

DEPARTMENT OF THE ARMY TECHNICAL MANUAL
DEPARTMENT OF THE NAVY TECHNICAL MANUAL
DEPARTMENT OF THE AIR FORCE TECHNICAL ORDER

TM 11-7440-222-15
NAVSHIPS 0967-324-0070
TO 31W4-2G-81

OPERATOR, ORGANIZATIONAL, DS, GS, AND
DEPOT MAINTENANCE MANUAL
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS
PAPER TAPE PUNCH
LOW SPEED
RO-315/G
(NSN 7040-01-048-8824)

This copy is a reprint which includes current pages from
Changes 1 through 7.

DEPARTMENTS OF THE ARMY, THE NAVY, AND THE AIR FORCE

MARCH 1969

WARNING

DANGEROUS VOLTAGES EXIST IN THIS EQUIPMENT

Be careful when working anywhere within the enclosure of this equipment.
Serious injury or death may result from contact with high voltage terminals.

DON'T TAKE CHANCES!

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DEPARTMENTS OF THE ARMY,
THE NAVY, AND THE AIR FORCE
WASHINGTON, D.C., 28 March 1969

**OPERATOR, ORGANIZATIONAL, DS, GS AND DEPOT MAINTENANCE MANUAL
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PAPER TAPE PUNCH, LOW SPEED RO-315/G
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> Symbol indicates added illustrations. See list.

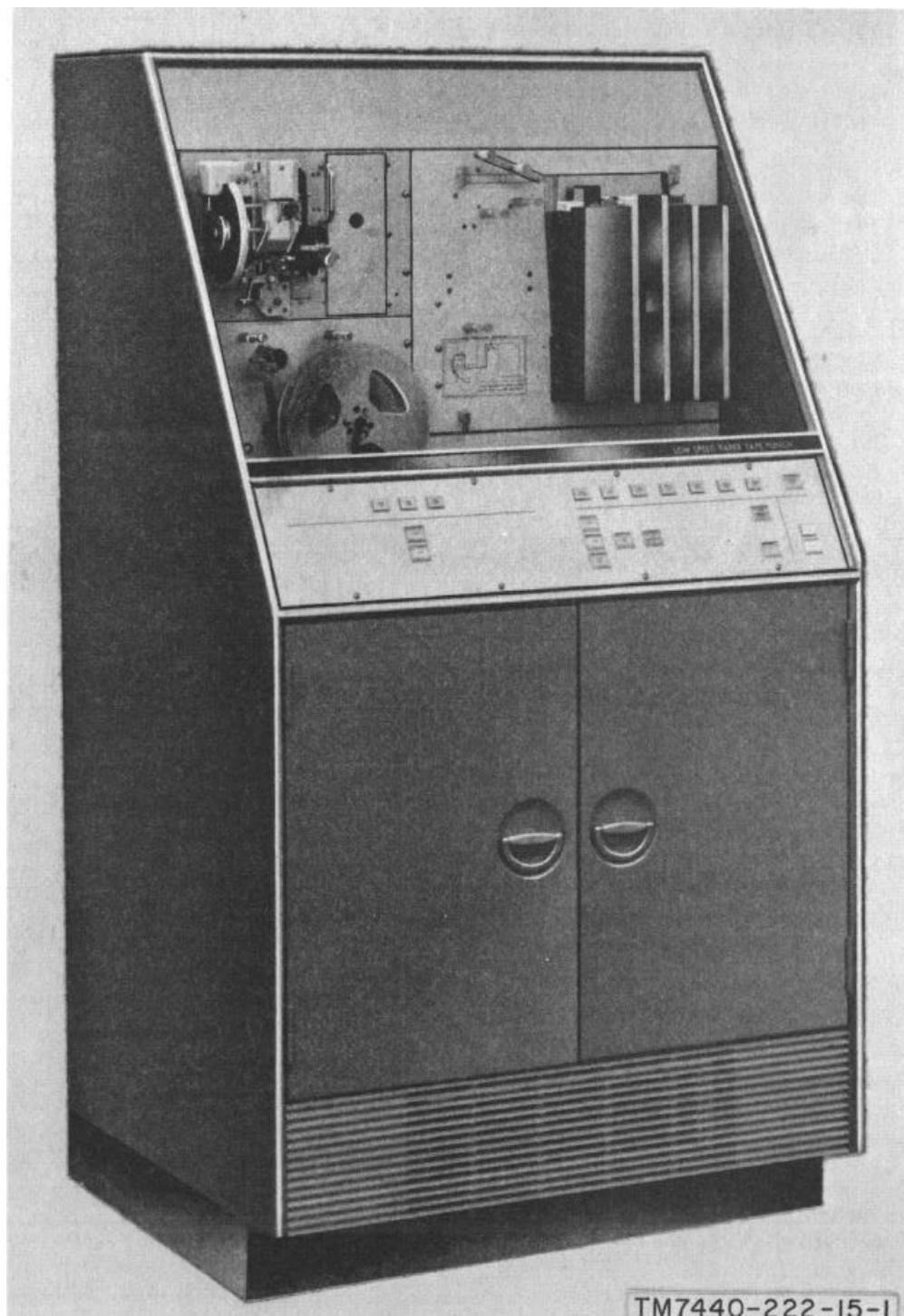


Figure 1-1. Paper Tape Punch, Low Speed RO-15/G, less running spares

Change 4 iv

**CHAPTER 1
INTRODUCTION**
Section I. GENERAL

1-1. Scope

This manual describes Paper Tape Punch, Low Speed RO-315/G (fig. 1-1), (low speed paper tape punch) and contains operation and maintenance information. It also covers detailed functioning of the RO-315/G and the maintenance allocation chart (app C). Refer to TM 11-7440-239-15/NAVSHIPS 0967-324-0110/TO 31W4-11 (app A) for installation and checkout procedures.

1-2. Indexes of Publications

a. *DA Pam 310-4.* Refer to the latest issue of DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

b. *DA Pam 310-7.* Refer to DA Pam 310-7 to determine whether there are modification work orders (MWO's) pertaining to the equipment.

1-3. Forms and Records

a. *Reports of Maintenance and Unsatisfactory Equipment.* Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribed by TM 38-750 (Army). Air Force personnel will use AFM 66-1 for maintenance reporting and TO 00-35D54 for unsatisfactory equipment reporting. Navy personnel will report maintenance performed utilizing the Maintenance Date Collection Subsystem (MDCS) in accordance with OPNAVINST 4790.2, volume 3 and unsatisfactory material/conditions (UR submissions) in accordance with OPNAVINST 4790.2, volume 2, chapter 17.

b. *Report of Packaging and Handling Deficiencies.* Fill out and forward DD Form 6 (Packaging Improvement Report) as prescribed in AR 700-58/NAVSUPINST 4030.29/AFR 71-13/MCO P4030.-29A, and DLAR 4145.8.

c. *Discrepancy in Shipment Report (DISREP) (SF 361).* Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33B/AFR 75-18/MCO P4610.19C, and DLAR 4500.15.

1-3.1. Reporting of Errors

The reporting of errors, omissions, and recommend actions for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications and Blank Forms), and forwarded direct to Commander, US Army Electronics Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703 (Army); USAFLC Form 252 (Request for TO Revision or Change) and forward direct to prime ALC/MST (Air Force); or forward to: Commander, Naval Electronics Systems Command, Code 4903, Washington, D.C. 20360 (Navy).

1-3.2. Reporting Equipment Improvement Recommendations (EIR)

a. *Army:* Reporting Equipment Improvement Recommendations (EIR). EIR's will be prepared using DA Form 2407, (Maintenance Request). Instructions for preparing EIR's are provided in TM 38-750, the Army Maintenance Management System EIR's should be mailed directly to Command, US Army Electronics Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, New Jersey 07703. A reply will be furnished directly to you.

b. *Navy:* Reporting Equipment Improvement Recommendations (EIR). Navy personnel are encouraged to submit EIR's through their local Beneficial Suggestion Program.

c. *Air Force:* Reporting Equipment Improvement Recommendations (EIR). Air Force personnel are encouraged to submit EIR's in accordance with AFM 900-4.

1-3.3. Administrative Storage

For procedures, forms, and records, and inspections required during administrative storage of this equipment, refer to TM 740-90-1.

1-3.4. Destruction of Electronic Materiel

Demolition and destruction of electronic equipment will be under the direction of the commander and in accordance with TM 750-244-2.

Section II. DESCRIPTION AND DATA

1-4. Purpose and Use

a. The low speed paper tape punch is used to convert electrical input data to printed characters and perforations in paper tape. The input data is transferred to the low speed paper tape punch in eight-bit American Standard Code for Information Interchange (ASCII) on a bit-parallel, character serial basis. In response to the input data, the low speed paper tape punch punches the paper tape one line at a time (one character to a line) in either ASCII or International Telegraphic Alphabet No. 2 (ITA-2) code. It also prints the punched characters, one character at a time, between the sprocket holes in the tape. When an output error (parity or punch error) is detected, the low speed paper tape punch notches the tape adjacent to the next punched character position. It also notches the tape on the next three successive character positions after a cancel signal is received.

b. The low speed paper tape punch is capable of punching and printing paper tape at a rate of 18.75 characters per second. It can punch eight track, 1-inch paper tape, and five-track, 11/16-inch paper tape in accordance with MIL-STD-188B.

c. The low speed paper tape punch is used as part of the digital subscriber terminal (DST) sets used in the automatic digital network (AUTODIN) portion of the military communications system. The low speed paper tape punch functions as an output component of Digital Subscriber Terminals AN/FYA-71(V)1 through AN/FYA-71(V)6 (described in TM 11-7440-238-15/NAVELEX 0967-LP-324-0100/TO 31W4-4-1 (app A)). The low speed paper tape punch functions as an on-line output device when receiving data from the Common Control Unit C-8120(P)/G(CCU) (fig. 1-2) and as an off line keypunch device when connected to the Control Keyboard (7185/G (control-keyboard)). High speed signaling is used between the low speed paper tape punch and the CCU for both data and control line information.

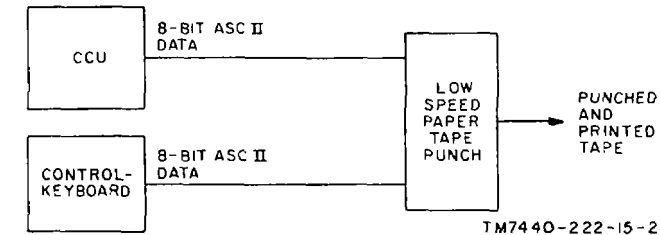


Figure 1-2. Typical system application, block diagram.

1-5. Technical Characteristics

- Input data.....Eight-bit electrical data in ASCII code transferred on a bit-parallel, character-serial basis with the eighth bit maintaining odd parity.
- Output data.....Paper tape perforated with either eight-bit ASCII or five-bit ITA .No. 2 code and selected characters printed on the tape. Tape also notched for output errors and cancel commands.
- Interface signaling.....All high speed.
- Supply reel capacity.....Approximately 1,000 feet.
- Take up reel capacity.....Approximately 1,000 feet.
- Tape sizesEight-track, 1-inch paper tape; five-track, 11/16-inch, 7/8-inch, or 1-inch paper tape.
- Punch rate18.75 characters per second.
- Print rate.....18.75 characters per second.
- Power requirements.....120 volts (+12, - 24), 50 Hz (± 2.5) or 60 Hz (± 3), single-phase, 21 amperes starting current, 8.5 amperes running current

1-6. Items Comprising an Operable Equipment

a. *Components.*

NSN	Qty	Nomenclature part No., and mfr code	Dimensions (in.)			Weight (lb)
			Height	Depth	Width	
NOTE The part number is followed by the applicable 5-digit Federal supply code for manufacturers (FSCM) identified in SB 708-42 anti used to identify manufacturer, distributor, or Government agency, etc.						
7440-01-048-8824*	1	Paper Tape Punch, Low Speed RO-3151G consisting of:	64	30	35	420
7510-00-018-9564	1	Ribbon Assembly; 56658G1: 06809				
	1	Belt Drive; XL38: 89616				
7530-00-965-2411	1	Type, Paper 1 in.; 317460:12344				
7530-00-634-6237	1	Type, Paper 7/8 in.; 317462: 12344				
7530-00-285-2377	5	Tape, Paper 11/16 in.; 317464: 12344				

* New NSN number is for RO-315/G that has had Modification Work Orders MWO 11-7440-222-30-1 through MWO 11-7440-222-30-5 applied.

b. *Common Names.* The following list provides the reference designation, official item name, common name used in this manual, and the manufacturer's part number of each item listed. Although the full reference designations are shown below, abbreviated reference designations are frequently used in this manual. Prefix the abbreviated reference designation with the applicable assembly and subassembly identification letters and numbers to obtain the complete reference designation for the item.

Reference designation	Item name	Common name	Manufacturer part No.
A1	Logic assembly	Logic assembly	
A1A1, A1A2.	PC card.....	Interface.....	A65219 or A65201
A1A3	PC card.....	Data bits and fault detector.....	A65397
A1A4	PC card.....	Interface control.....	A65393
A1A5	PC card.....	Punch register and notch control.....	A65361
A1A6	PC card.....	Tape feed control.....	A65365
A1A7	PC card.....	Timing generator.....	A65369
A1A9	PC card.....	Data register.....	A65377
A1A10	PC card.....	Status detector.....	A65385
A1A11	PC card.....	Control logic.....	A65389
A1A12	PC card.....	Code monitor.....	A53584
A1A13	PC card.....	Control functions.....	A65441
A1A14	PC card.....	ASCII detector.....	A53418
A1A15, A1A17.	PC card.....	Decode matrix.....	A53725
A1A16, A1A18.	PC card.....	Encode matrix.....	A53721
A1A19	PC card.....	ITA-2 converter.....	A65373
A1A20	PC card.....	Lamp driver.....	SM-E-546656
A2	Control panel.....		
A3	Printer interpreter.....		
A3A0	PC card.....		44303
A3A1, A3A2.	PC card.....		44193
A3A3	PC card.....		44306
A3A4	PC card.....		44194
A3B0	PC card.....		34735
A3B1	PC card.....		44197
A3B2	PC card.....		44452
A3B3	PC card.....		44196
A3B4	PC card.....		44195
A4	Perforator.....		A64509-001
A4A1, A4A2, and A4A3.	PC card.....	Solenoid driver.....	A53506
A5*	Motor stop assy.....		00-00156-5 or 00-00156-6
A5A1°	PC card.....	Motor stop.....	12-89009-2
A5A2°	PC card.....	Meter driver.....	12-8901201
B1	Blower.....		RC2EB412A31
B2	Tape handler.....		373620
B3**	Blower.....		BT2A-1
PS1	Power supply.....		4-000093-1
PS1A1	PC card regulator.....	+4.75-volt.....	40-000008-1
PS1A2	PC card.....	+12-volt and-12-volt regulator.....	40 000011-1
PS1A3	PC card.....	-48-volt regulator.....	40-000014-1
PS1A12	PC card.....	Sequence module.....	40-000052-1
PS2	Power supply.....		1952141

*Added by Motor Stop MWO 11-7440-222-30/1.

**Added by Blower MWO 11-7440-222-30-5.

1-6.1. Expendable Consumable Supplies and Materials

Expendable consumable supplies and materials are listed in table 1-1.

Table 1-1. Expendable Consumable Supplies and Materials

The supplies and materials listed in this table are required for operation of this equipment and are authorized to be requisitioned by SB 700-50. The NSN for the applicable unit of issue required can be found in appropriate supply catalogs. The FSCM is used as an element in item identification to designate manufacturer or distributor or Government agency, etc., and is identified in SB 708-42.

Item	Description	Ref No. and FSCM	FSC
1	Mechanism, Oil	311270: 12344	

1-7. Description of Low Speed Paper Tape Punch

When ready for operation, the components of the low speed paper tape punch are assembled in an rfi-tight cabinet-type enclosure as shown in figure 1-1. The front of the enclosure has twin doors for easy access to logic assembly A1, power supply PS1, and power supply PS2 which are located inside the lower portion of the enclosure (fig. 1-3). A large panel on the rear side of the enclosure can be removed to gain access to the rear of printer interpreter A3, perforator A4, and tape handler B2. RFI shielding is provided for all interface connectors by an inter face plate assembly in the lower rear portion of the enclosure. The interface plate assembly also supports filter assembly FL1 which filters incoming ac popover. Blower B1 is also located inside the enclosure to provide a cooling airflow to the power supplies and the logic assembly.

a. *Logic Assembly A1.* The logic assemble (fig. 1-3) consists of a front panel which is attached to a chassis containing the card tray and appropriate cabling. Three switches necessary for the operation of the equipment are mounted on the maintenance panel. The card tray contains the printed circuit cards for control and interface on the punch mechanism. This assembly is slide-mounted inside the enclosure. The slides and a handle attached to the maintenance panel permit easy access to the chassis for maintenance. A terminal block is located on the rear of the enclosure for interconnections to other components of the low speed paper tape punch.

b. *Control Panel A2.* The control panel (fig. 1-3) consists of a panel on which are mounted controls and indicators necessary for the operation of the low speed paper tape punch. The panel is attached to the overall cabinet enclosure by eight screws.

c. *Printer Interpreter A3.* The printer interpreter consists of a slide-mounted chassis assembly and a front panel assembly. The chassis assembly is a wrap-around-type chassis with top and bottom open for ventilation. The chassis supports various electrical components including electrical connectors and the back end of a printed circuit card assembly. The chassis is attached to the front panel assembly along with the front end of the printed circuit card assembly and a drive motor. An access opening in the right side of the front panel permits easy removal and replacement of the printed circuit

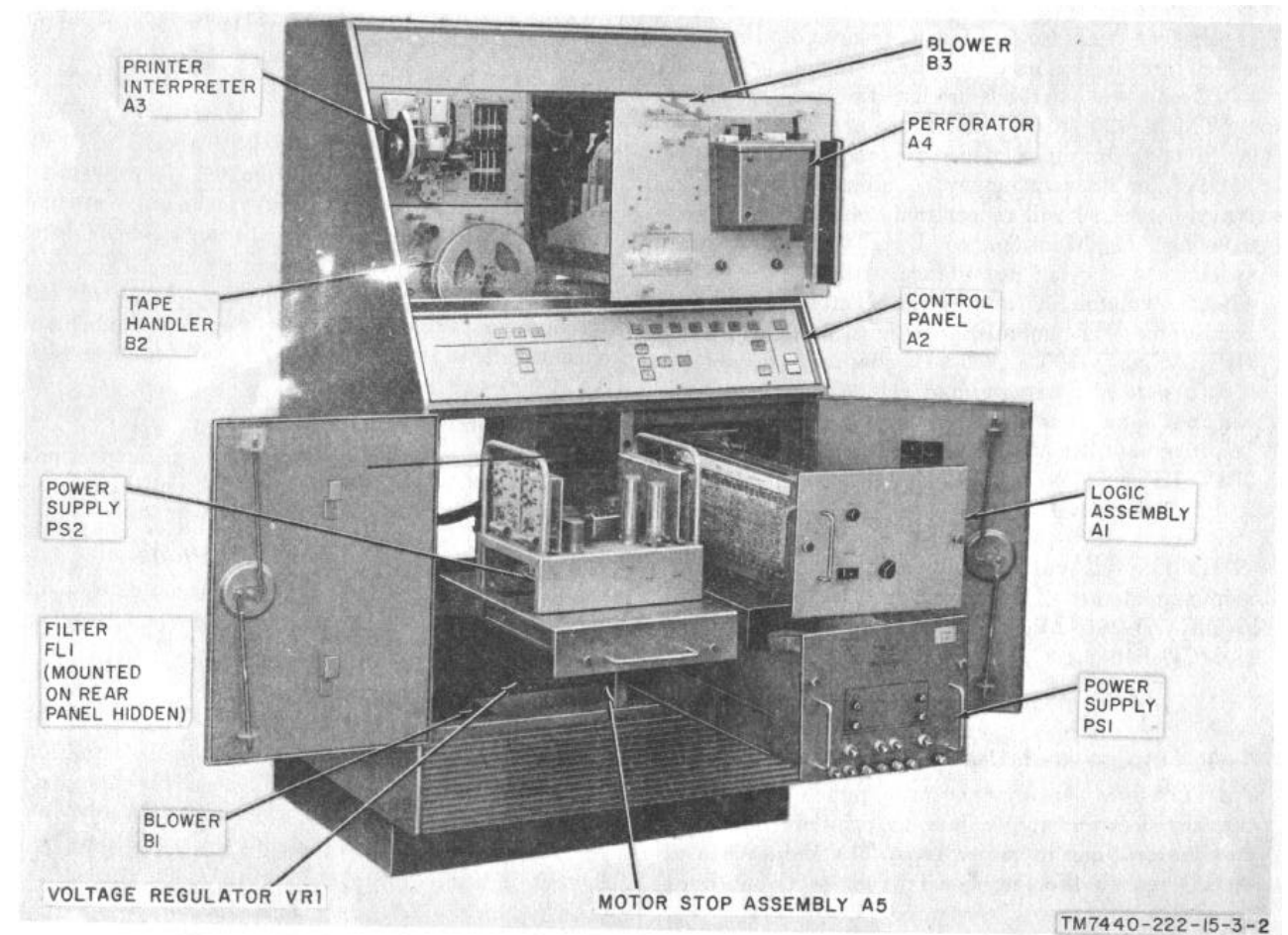


Figure 1-3. Low speed paper tape punch, major assemblies.

cards. Also attached to the front panel are the paper feed mechanism, the reader mechanism, the ribbon feed mechanism, a print drum, a code generator, and a print hammer assembly. All of these units are arranged so that the perforated paper tape is processed and printed entirely on the front side of the front panel. A single handle on the front panel is used to slide the printer interpreter mechanism in or out of the inclosure.

d. Perforator A4. The perforator consists of a slide-mounted front panel assembly which supports the overall perforator mechanism including the tape supply reel and a chad box. The tape supply reel is mounted on a slide to permit easy loading. During operation, the tape supply reel is retracted into the panel recess. The perforator mechanism and the tape guide rollers are arranged so that the entire punching process takes place on the front side of the panel. The drive motor, timing belts, pulleys, and capstan drive mechanism, as well as electrical connectors, are mounted on the rear of the panel. The perforator mechanism contains an oil-splash gear for lubrication of the mechanism. An oil level gage located on the lower half of the perforator mechanism enables the operator to check the oil level in the mechanism.

e. Tape Handler B2. The tape handler consists of the takeup reel which is driven by a separate drive motor, both of which are mounted on a panel (fig. 1-3). The panel is attached to the front of the inclosure with six screws. An electrical connector is located at the rear of the panel for ac input power connections.

f. Power Supply PS1. Power supply PS1 is a slide-mounted chassis located inside the inclosure (fig. 1-3). It contains component boards and other electrical components and circuitry necessary for providing the various voltage levels required by logic assembly A1, control panel A2, and perforator A4. It also supplies 115 volts ac to blower B1, tape handler B2, blower B3, and power supply PS2. Electrical interconnections with other components are made on two terminal blocks located on the PS1 chassis.

g. Power Supply PS2. Power supply PS2 is a shelf-mounted chassis located inside the inclosure (fig. 1-3). It contains the electrical components and circuitry necessary for providing the various voltage levels required by the printer interpreter mechanism and logic circuits. A single electrical connector on the chassis interconnects the power supply to the printer interpreter and input power source.

h. Motor Stop Assembly A5. The motor stop assembly A5 consists of a bracket containing motor control switches, relays, printed circuit card and associated interconnection cables to enable automatic shut-off of the punch mechanism A4 and/or the printer interpreter mechanism A3 drivemotors during long idle periods when operating in the on-line mode with the CCU. The motor stop assembly is added to the low speed paper tape punch by MWO 11-7440-222-30/1. The purpose of this modification is to decrease the acoustic noise generated by the punch and printer mechanisms during nonpunching periods and to reduce maintenance requirements by reducing wear on moving parts. In addition, this modification enables automatic operation of all punches whenever the perforator mechanism A4 drive motor has been stopped. This insures latching of all punch clutches to eliminate their destruction by overheating should the punch clutches become unlatched during power down condition. The motor stop assembly bracket also provides a place for mounting an elapsed time meter to record operating time of motors. The elapsed time meter is provided only on those paper tape punch units that have not been previously modified to include the elapsed time meter. Brackets without meters have a blank plate to cover mounting hole. Figure 1-3 of this manual shows the low speed paper tape punch without the motor stop assembly A5 mounted. The motor stop assembly bracket is mounted on the left hand door frame between the blower B1 and the power supply PS2.

i. Blower B1. The blower assembly B1 is mounted on the bottom of the enclosure with air input provided through a cleanable filter in the bottom front of the enclosure. Air is exhausted from the enclosure through a vent located in the upper part of the enclosure rear access cover. The blower is operated by 115 VAC power from power supply PS1 whenever the control panel A2 AC POWER switch-indicator is illuminated. The blower consists of a drive motor with a blower fan attached to each end. One output duct provides cooling air for power supply PS2 while the other duct directs air through the heat sink on power supply PS1 to provide cooling of power supply PS1 and logic assembly A1.

j. Blower B3. Blower B3 is added to the low speed paper tape punch by MWO 11-7440-222-30-5 to provide cooling for the perforator assembly A4 capstan drive mechanism. Power, 115 VAC, is provided from power supply PS1 and the blower B3 will operate whenever the control panel A2 AC POWER indicator is illuminated. The blower is a compact encapsulated unit mounted on support brackets at the top of the enclosure. When operating, 25 cubic feet of air per minute is directed by a duct onto the capstan drive mechanism clutch.

**CHAPTER 2
OPERATING INSTRUCTIONS**

Note

This section covers only items used by the operator; items used by higher category maintenance personnel are covered in instructions for the appropriate maintenance category.

2-1. Controls and Indicators

a. *Control Panel* (fig. 2-1).

Control or Indicator	Function
DC POWER indicator	Lights (white) when dc is applied to dc using components of RO-315/G.
PUNCH FUSE indicator	Lights (red) when the fuse in the perforator mechanism fails.
PARITY ERROR indicator	Lights (red) when a parity error condition is detected.
PUNCH ERROR indicator	Lights (red) when a punch error condition is detected.
MOTION FAIL indicator	Lights (red) if the tape fails to advance or fails to advance correctly.
TAPE OUT indicator	Lights (red) when tape supply is depleted.
LOW TAPE indicator	Lights (amber) when tape supply is low.
NOT ASSIGNED indicator	Lights (amber) when paper tape punch is not assigned by CCU.
TIGHT TAPE indicator	Lights (red) when slack in tape between perforator and printer interpreter mechanism is not sufficient.
SLACK TAPE indicator	Lights (amber) when slack in tape between perforator and printer interpreter is excessive.
PRINT FAIL indicator	Lights (amber) when printer interpreter is out of tape, fuse fans on printer interpreter, or print fail sensor is not latched in downward position.
AUDIBLE RESET switch.	Pressing AUDIBLE RESET switch removes audible alarm at CCU.
AC POWER switch-indicator	Pressing AC POWER switch-indicator applies ac power to paper tape punch. When ac power is applied, indicator lights (white).
WIDE/NARROW switch-indicator.	When NARROW indicator is lit, equipment is arranged for operation with narrow tape (11/16 inch wide). When WIDE indicator is lit, equipment is arranged for operation with wide tape sizes (7/8- and 1-inch tape). Press switch-indicator to change tape size operation.
LAMP TEST switch	Pressing LAMP TEST switch causes all indicators on control panel to light (except AC POWER and DC POWER indicators).
PRINT INDEPENDENT switch-indicator.	Pressing PRINT INDEPENDENT switch-indicator causes indicator to light (amber) and permits perforator and printer interpreter to operate independently of each other.
FEED OUT switch	Press FEED OUT switch to provide manual feeding of blank sprocketed tape for as long as switch is pressed
START switch-indicator (perforator).	Press START switch-indicator to place perforator in ready condition (will have effect only when STOP or no-fault condition exists). Lights (green) when no fault condition exists in perforator. Lights (white) when no fault condition exists and low speed paper tape punch is assigned and selected by CCU or is arranged for off-line operation with control key
STOP switch-indicator (perforator).	Pressing STOP switch causes perforator to stop punching and feeding of tape. Lights (red) when low speed paper tape punch has been manually stopped or when fault condition has been detected.
START switch-indicator (printer interpreter).	Pressing of START switch is required to place printer interpreter in ready condition and will have effect only when STOP or no fault condition exists. Lights (green) when no fault condition exists in the printer interpreter. Lights (white) when no fault condition exists and tape punch is as signed and selected by CCU or is arranged for off-line operation with control-keyboard. If printer interpreter is in independent operation, START switch functions identically with perforator START switch. For independent operation, lights (white) when no fault condition exists and printer interpreter is operating independently.

Control or Indicator	Function
STOP switch-indicator (printer interpreter).	Pressing STOP switch causes printer interpreter to stop printing operation. Lights (red) when printer interpreter has been manually stopped or when fault condition has been detected.
LOCAL TEST switch- indicator	Press to place low speed paper tape punch in LOCAL TEST mode (LOCAL TEST indicator lights amber). When in LOCAL TEST mode, punches are programmed to punch ASCII DELETE character and notch.

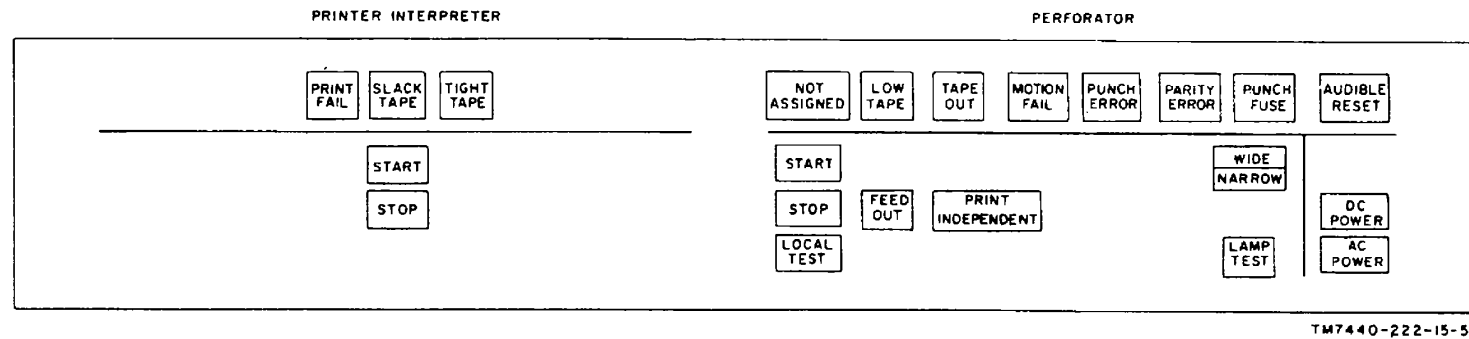


Figure 2-1. Control panel controls and indicators.

b. Logic Assembly (fig. 2-2).

Control or indicator	Function
CODE SELECT switch	Turn to ASCII position to cause tape to be perforated with ASCII (8 level) code. Turn to ITA 2 position to cause tape to be perforated with ITA 2 (5-level) code.
TAPE FEED INCHES	Used to select length of blank switch tape trailer which follows end of message. Seven switch positions provide range of tape lengths from 6 to 18 inches in 2-inch increments.
RESET switch	Press RESET switch to reset all logic circuits in logic assembly A1. (For use by maintenance personnel only.)

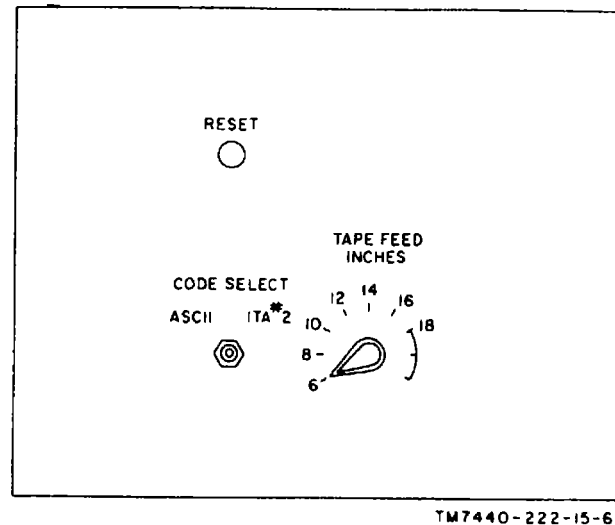


Figure 2-2. Logic assembly controls.

2-2. Type of Operation

a. The low speed paper tape punch can be operated in the on-line, off-line, or local test modes. Selection of the on-line mode transfers control of the low speed paper tape punch to the CCU. When in the off-line mode, control of the low speed paper tape punch is transferred to the control-keyboard. The local test mode is used for test and maintenance. The low speed paper tape punch can be used to punch either eight-level ASCII code or five-level ITA-2 code with or without character printing.

b. Perform the following sequence of procedures when operating the low speed paper tape punch:

- (1) Preliminary starting procedure (para 2-3).
- (2) Installation of paper tape (para 2-4).
- (3) Starting procedure (para 2-5).
- (4) Operating procedure (para 2-6).
- (5) Stopping procedure (para 2-7).
- (6) Special operating procedures (para 2-8).
- (7) Operation checkout procedure (para 2-9).

2-3. Preliminary Starting Procedure

a. Lift the chad box from the perforator and check to be sure the oil level is up to the indicator line. If the oil level is low, oil must be added.

b. Check to be sure the correct code disk is installed in the printer interpreter. If a disk change is necessary, remove the installed disk (para 4-75) and install the correct disk (ASCII or ITA 2 disk).

c. If ASCII code is to be punched, turn the CODE SELECT switch on logic assembly A1 (fig. 2-2) to the ASCII position. If ITA-2 code is to be punched, turn the CODE SELECT switch to the ITA No. 2 position.

d. Check for the presence of sufficient paper tape of the size to be punched, (1 inch wide for eight level ASCII code; 7/8 or 11/16 inch wide for five-level ITA-2 code). If the tape supply is low, or the wrong size is installed, install a new roll of the proper size (para 2-4).

e. Check the inked ribbon in the printer interpreter mechanism; if it is worn or badly frayed, remove and replace it.

2-4. Installing Paper Tape.

(fig. 2-3)

CAUTION

Before resuming operation after installation of a new roll of paper tape, be sure to empty the chad box to avoid clogging the mechanism with chad overflow. Grasp the chad box near its bottom and pull it straight outward (box held in place by magnetic catch), then lift the box from its locating screws.

a. To insert a new roll of tape, pull the tape supply slide out of the panel. The tape supply slide is held in place by a magnetic catch.

CAUTION

Do not use dry (or non-oiled) tape. Use the oiled tape identified in paragraph 1-6. This oiled tape reduces tape dust and provides lubrication to the punch pins. Also, do not use excessively oiled tape which will result in printer interpreter failure.

b. Remove the side of the supply reel and remove the old roll of tape. Install a new roll, placing it so that the tape will unwind upward from the rear to move over the top of the reel. Replace the side of the supply reel.

- c. Thread the tape as shown in the direction place in the tape supply slide. Hold the end of the tape while sliding the tape supply assembly back into place; when the assembly is fully inserted, the magnetic catch will click as it contacts the assembly.
- d. Twist the tape one-half turn clockwise and tear the end diagonally (longer edge closer to panel).
- e. Press the retainer latch of the perforator (66, fig. 4-21, part 1) and move the tape retainer (63) away from the tape feed capstan to permit tape threading. After threading, push the tape retainer back against the capstan where it will be locked in place by the latch.
- f. Press the FEED OUT switch on the control panel (fig. 2-1) to manually feed a 3-foot length of sprocketed tape.

WARNING

When inserting tape in the printer interpreter, avoid touching the constantly rotating drive pulley flywheel (30, fig. 4-42). Although the flywheel surface is smooth, injury may result if the hand is held against it.

- g. At the printer interpreter, loosen the knob (fig. 4-79) and raise the end of the lifting lever. Move the lower end of the tape holddown lever (fig. 4-73) to the right and thread the tape through the tape guide block.

NOTE

The tape guide block in the printer interpreter is a three-position block which can accommodate three widths of tape (11/16, 7/8, or 1 inch). Check to be sure it is positioned correctly for the tape width to be used.

- h. Thread the tape through the perforator rollers as shown in figure 2-3.
- i. Move the upper end of the tape tension arm (fig. 2-3) until it is latched in the right-hand position. Thread the tape through the tape rollers as shown, and fasten the tape to the hub of the takeup reel. Feed enough tape onto the reel to insure that it stays on the reel. Press the black push button to release the tape tension arm.

CAUTION

When the perforator has been shipped or subjected to shock, or if there is any reason to believe the clutches were not properly latched (effect of noise pulses at shutdown), press the LOCAL TEST switch immediately after pressing the AC POWER switch-indicator. Failure to do so will cause improperly latched clutches to overheat, causing their destruction together with adjacent clutches. To insure edge notch channel is pulsed, place the WIDE-NARROW switch in the WIDE position. This procedure is not applicable to equipment modified by the addition of the motor stop assembly (MWO 11-7440-222-30/1) since an automatic local test function is performed each time the punch drive motor starts running.

- j. Check to be sure the tape runs smoothly through the perforator and the printer interpreter without binding or twisting.

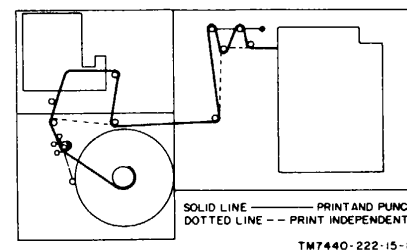


Figure 2-3. Tape threading diagram.

2-5. Starting Procedure

- a. To start the low speed paper tape punch after it has been closed down, press the AC POWER switch indicator on the control panel (fig. 2-1). Wait 30 seconds, then press the FEED OUT switch until 2 or 3 feet of tape have been fed out manually. Then press the LOCAL TEST switch to insure that all punch pins are operating. The LOCAL TEST switch should never be activated for more than 120 seconds at any one time. On all restart operations, it is mandatory to momentarily activate the local test mode (but never longer than 120 seconds), to preclude catastrophic failure of the clutch bank assemblies.
- b. Press the WIDE/NARROW switch. indicator to obtain the correct indication (WIDE or NARROW) for the tape width in use.

- c. For dependent operation simultaneous punching and printing), press either of the two START switch-indicators (one on printer interpreter control panel, other on perforator control panel) and check to be sure the following indicators are lit:
 - (1) AC POWER.
 - (2) DC POWER.
 - (3) WIDE or NARROW (as selected).
 - (4) START (printer interpreter).
 - (5) START (perforator).
- d. For independent operation (independent punching or printing), press the PRINT INDEPENDENT switch-indicator. Also operate the appropriate START switch-indicator (printer interpreter START for printing only or perforator START for punching only) and check that the following indicator lamps on the control panel are lit:

- (1) AC POWER.
- (2) DC POWER.
- (3) WIDE or NARROW (as selected).
- (4) START (printer interpreter or perforator as selected).
- (5) PRINT INDEPENDENT.

2-6. Operating Procedure

Operation of the low speed paper tape punch with either the CCU or the control-keyboard is automatic. During operation, be alert for any fault conditions (automatically indicated by operation of appropriate alarms). Replenish tape, empty tape takeup reel, and empty Chad box as required .

2-7. Stopping Procedure

- a. *Standby Condition.* Press either of the two STOP switch-indicators (one on printer interpreter control panel, other on perforator control panel) to stop the low speed tape punch during dependent operation (simultaneous printing and punching). To stop operation of either the perforator or the printer interpreter during independent operation, press the applicable STOP switch-indicator.
- b. *Powerdown Condition.*
 - (1) Press the two STOP switch-indicators.
 - (2) Press the AC POWER switch-indicator.

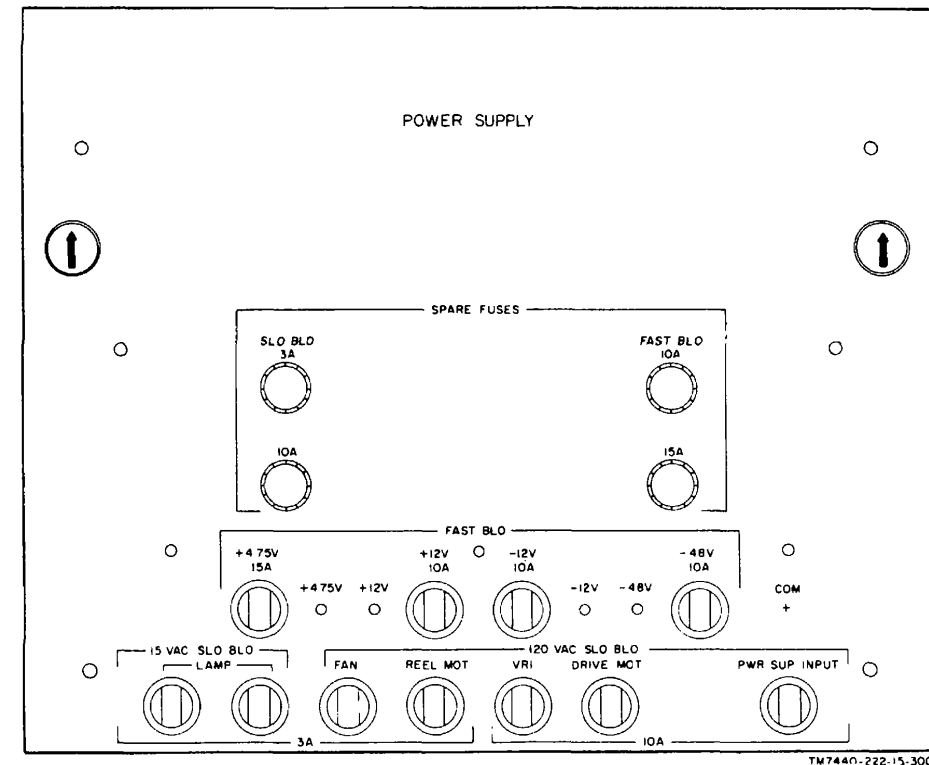


Figure 2-4. Power supply, front panel.

2-8. Special Procedures

When an alarm condition occurs, proceed as follows:

- a. Check the control panel fault indicators to determine the cause of trouble.
- b. Correct the cause of trouble, if correction by the operator is possible; otherwise, higher category maintenance is required.
- c. After correcting the cause of trouble, operate the appropriate START switch-indicators to resume operation.

2-9. Operation Checkout Procedure

To insure that the low speed paper tape is providing correct output data, connect to and operate with the CCU or the control-keyboard as described in TM 11-7440-238-15/TO 31W4 4-1 NAVSHIPS 0967-324-0100 (app A).

2-10. Motor Stop Assembly A5 Controls and Indicators

(fig. 2-5)

The following motor stop assembly controls and indicators are added to the low speed paper tape punch by MWO 11-7440-222-30/1.

<i>Control or indicator</i>	<i>Function</i>
MOTOR STOP CONTROL OVERRIDE PUNCH switch A5S2	When the switch is in the ON position, the perforator A4 drive motor will continuously operate whenever AC power is applied. When the switch is in the OFF position, the punch mechanism A4 drive motor is under the control of the motor stop assembly AS and the MOTOR STOP CONTROL CONTINUOUS/AUTOMATIC switch A5S1.

CAUTION

The switch is for use in emergency operation only. When changing position of the OVERRIDE PUNCH switch, AC power should not be applied to the paper tape punch.

MOTOR STOP CONTROL OVERRIDE P1 switch A5S3	When the switch is in the ON position, the printer interpreter mechanism A3 drive motor will continuously operate whenever AC power is applied. When the switch is in the OFF position, the printer interpreter A3 drive motor is under control of the motor stop assembly AS and the MOTOR STOP CONTROL CONTINUOUS/AUTOMATIC switch A5S1.
---	--

CAUTION

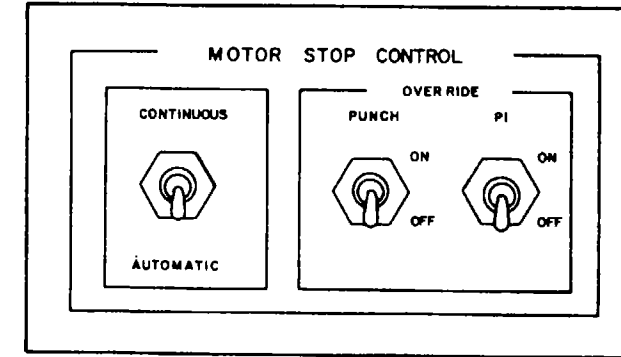
The switch is for use in emergency operation only. When changing position of the OVERRIDE P1 switch, AC power should not be applied to the paper tape punch.

MOTOR STOP CONTROL CONTINUOUS/AUTOMATIC switch A5S1	When in the CONTINUOUS position, both the perforator A4 drive motor and the printer interpreter A3 drive motor are under control of the AC POWER switch on the low speed paper tape punch control panel A2. When in the AUTOMATIC position, the perforator drive motor will operate when AC power is on and the control panel START switch indicator is not illuminated. When the control panel START switch-indicator is illuminated, the perforator A4 drive motor will be stopped until the paper tape punch is given a motor run command by the CCU. Once the drive motor starts, it will continue to run until 15 seconds to 3 minutes after the control panel START switch-indicator changes from white to green illumination. This delay is provided by CCU control circuits. If the PRINT INDEPENDENT switch-indicator is not illuminated, the printer interpreter A3 drive motor will respond in the same manner as the perforator A4 drive motor. If the PRINT INDEPENDENT switch-indicator is illuminated, the printer interpreter A3 drive motor will continuously operate regardless of the state of the perforator drive motor.
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NOTE

Use the CONTINUOUS/AUTOMATIC switch A5S1 in CONTINUOUS position to enable motor operation when the paper tape punch is operated with the Control Keyboard C7186/G or in on-line troubleshooting with the Common Control Unit C-8120(P)G. However, if optional control keyboard modification outlined in MWO 11-7440-222-30/1 has been installed, AUTOMATIC position may be used in control keyboard mode.

Elapsed time meter A5M1	Provides a visual display of the hours of operation of the perforator A4 drive motor.
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TM 7440-222-15-266

Figure 2-5. Motor stop assembly A5 controls.

CHAPTER 3
FUNCTIONING

Note

The purpose, operation, and interoperation of the various circuits (electrical, electronic, mechanical, electromechanical, and optical) in this equipment are explained in this chapter. Familiarity with the equipment, how it works, and why it works that way are valuable tools in troubleshooting the equipment rapidly and effectively.

Section I. GENERAL FUNCTIONING

3-1. Low Speed Paper Tape Punch, Block Diagram
(fig. 3-1)

The low speed paper tape punch converts eight-bit ASCII input data to punched holes in paper tape in either the ASCII code or ITA-2 code. After the punching operation, the low speed paper tape punch interprets the punched data and prints the corresponding characters on paper tape. Input data as well as control signals are provided to the low speed paper tape punch by either the CCU or the keyboard.

a. All input and control data lines between the CCU or keyboard and the low speed paper tape punch are connected to the punch control portion which consists of the perforator mechanism, punch logic circuits, and control panel. A supply reel on the perforator mechanism feeds the input paper tape through the punch section where the input data is converted to punched holes in the paper tape. The punched tape is then routed to the printer interpreter mechanism and associated logic circuitry.

b. In the printer interpreter control section, the punched data in the tape is interpreted by the logic circuits which results in the printer interpreter mechanism printing the corresponding characters on the tape. The punched and printed tape is then wound on a takeup reel. Tape advance control signals which control tape feeding in both the perforator mechanism and the printer interpreter mechanism are provided by the punch logic circuitry of the punch control section. Alarm signals representing alarm conditions in the printer interpreter section are sent to the punch logic circuitry of the punch control section.

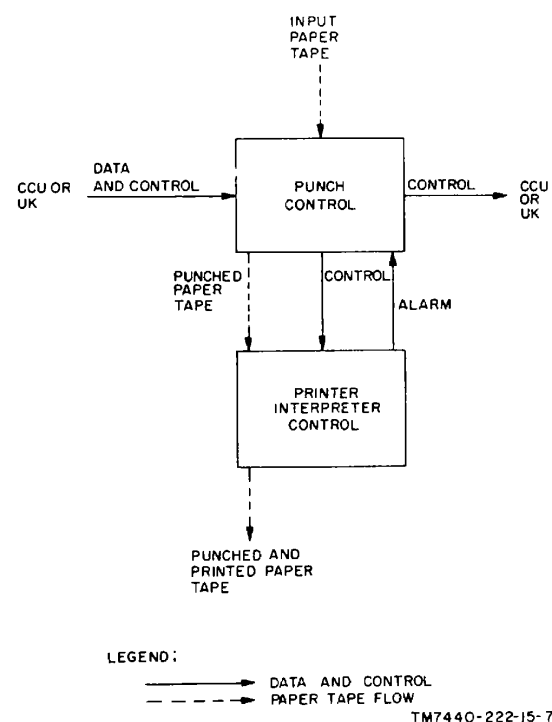


Figure 3-1. Paper tape punch, block diagram.

3-2. Signaling Code

The signaling code used by the CCU or the keyboard to transmit data to the low speed paper tape punch is the eight-bit ASCII code shown in figure 3-2. Seven of the ASCII bits contain the data. The eighth bit is a parity bit which is added or left out, as necessary, to have odd parity for each character. Figure 3-2 lists 128 ASCII characters and 58 ITA-2 characters which can be punched in the paper tape and the symbols which can be printed on the tape for each punched character. When punching in ITA-2 code, an invalid character is represented by a space.

CHARACTER		INPUT ASCII CODE	ASCII		ITA-2	
Symbol	Name	8(P) 765 4321 (bits)	Punched code 8(P) 765 4321 (columns)	Symbol printed	Punched code 543 21 (columns)	Symbol printed
BL	Blank	1 000 0000	0 000 0000	None	000 00	None
SOH	Start of heading	0 000 0001	1 000 0001	None	001 00	None
STX	Start of text	0 000 0010	1 000 0010	None	001 00	None
ETX	End of text	1 000 0011	0 000 0011	None	001 00	None
EOT	End of transmission	0 000 0100	1 000 0100	None	001 00	None
ENQ	Enquiry	1 000 0101	0 000 0101	None	001 00	None
ACK	Acknowledge	1 000 0110	0 000 0110	None	001 00	None
BEL	Alarm (bell)	0 000 0111	1 000 0111	None	001 01	None
BS	Backspace	0 000 1000	1 000 1000	None	001 00	None
HT	Horizontal tab	1 000 1001	0 000 1001	None	001 00	None
LF	Line Feed	1 000 1010	0 000 1010	None	000 10	None
VT	Vertical tab	0 000 1011	1 000 1011	None	001 00	None
FF	Form Feed	1 000 1100	0 000 1100	None	001 00	None
CR	Carriage return	0 000 1101	1 000 1101	None	010 00	None
SO	Shift out (figures)	0 000 1110	1 000 1110	None	110 11	None
SI	Shift in (letters)	1 000 1111	0 000 1111	None	111 11	None
DLE	Data link escape	0 001 0000	1 001 0000	None	001 00	None
DC1	Device control 1	1 001 0001	0 001 0001	None	001 00	None
DC2	Device control 2	1 001 0010	0 001 0010	None	001 00	None
DC3	Device control 3	0 001 0011	1 001 0011	None	001 00	None
DC4	Device control 4	1 001 0100	0 001 0100	None	001 00	None
NAK	Negative acknowledge	0 001 0101	1 001 0101	None	001 00	None
SYN	Synchronous idle	0 001 0110	1 001 0110	None	001 00	None
ETB	End of mxn block	1 001 0111	0 001 0111	None	001 00	None
CAN	Cancel	1 001 1000	0 001 1000	None	001 00	None
EM	End of medium	0 001 1001	1 001 1001	None	001 00	None
SS	Start special seq.	0 001 1010	1 001 1010	None	001 00	None

Figure 3-2(1). Signaling code (part 1 of 5).

CHARACTER		INPUT ASCII CODE	ASCII		ITA-2	
Symbol	Name	8(P) 765 4321 (bits)	Punched code 8(P) 765 4321 (columns)	Symbol printed	Punched code 543 21 (columns)	Symbol printed
ESC	Escape	1 001 1011	0 001 1011	None	001 00	None
FS	File separator	0 001 1100	1 001 1100	None	001 00	None
GS	Group separator	1 001 1101	0 001 1101	None	001 00	None
RS	Record separator	1 001 1110	0 001 1110	None	001 00	None
US	Unit separator	0 001 1111	1 001 1111	None	001 00	None
SP	Space	0 010 0000	1 010 0000	None	001 00	None
!	Exclamation point	1 010 0001	0 010 0001	!	011 01	!
"	Quotation mark	1 010 0010	0 010 0010	"	100 01	"
#	Number sign	0 010 0011	1 010 0011	#	101 00	#
\$	Dollar sign	1 010 0100	0 010 0100	\$	010 01	\$
%	Percent sign	0 010 0101	1 010 0101	%	001 00	Space
&	Ampersand	0 010 0110	1 010 0110	&	110 10	&
'	Apostrophe	1 010 0111	0 010 0111	'	010 11	'
(	Opening parenthesis	1 010 1000	0 010 1000	(	011 11	(
)	Closing parenthesis	0 010 1001	1 010 1001	)	100 10)
*	Asterisk	0 010 1010	1 010 1010	*	001 00	None
+	Plus	1 010 1011	0 010 1011	+	001 00	None
,	Comma	0 010 1100	1 010 1100	,	011 00	,
-	Hyphen	1 010 1101	0 010 1101	-	000 11	-
.	Period	1 010 1110	0 010 1110	.	111 00	.
/	Slant	0 010 1111	1 010 1111	/	111 01	/
0	Zero	1 011 0000	0 011 0000	0	101 10	0
1	One	0 011 0001	1 011 0001	1	101 11	1
2	Two	0 011 0010	1 011 0010	2	100 11	2
3	Three	1 011 0011	0 011 0011	3	000 01	3
4	Four	0 011 0100	1 011 0100	4	010 10	4
5	Five	1 011 0101	0 011 0101	5	100 00	5

TM 7440-222-15-235 (2)

Figure 3-2(2). Signaling code (part 2 of 5)

CHARACTER		INPUT ASCII CODE	ASCII		ITA-2	
Symbol	Name	8(P) 765 4321 (bits)	Punched code 8(P) 765 4321 (columns)	Symbol printed	Punched code 543 21 (columns)	Symbol printed
6	Six	1 011 0110	0 011 0110	6	101 01	6
7	Seven	0 011 0111	1 011 0111	7	001 11	7
8	Eight	0 011 1000	1 011 1000	8	001 10	8
9	Nine	1 011 1001	0 011 1001	9	110 00	9
:	Colon	1 011 1010	0 011 1010	:	011 10	:
;	Semicolon	0 011 1011	1 011 1011	;	111 10	;
<	Less than	1 011 1100	0 011 1100	<	001 00	None
=	Equals	0 011 1101	1 011 1101	=	001 00	None
>	Greater than	0 011 1110	1 011 1110	>	001 00	None
?	Question mark	1 011 1111	0 011 1111	?	110 01	?
\	Grave accent	0 100 0000	1 100 0000	\	001 00	None
A	A	1 100 0001	0 100 0001	A	000 11	A
B	B	1 100 0010	0 100 0010	B	110 01	B
C	C	0 100 0011	1 100 0011	C	011 10	C
D	D	1 100 0100	0 100 0100	D	010 01	D
E	E	0 100 0101	1 100 0101	E	000 01	E
F	F	0 100 0110	1 100 0110	F	011 01	F
G	G	1 100 0111	0 100 0111	G	110 10	G
H	H	1 100 1000	0 100 1000	H	101 00	H
I	I	0 100 1001	1 100 1001	I	001 10	I
J	J	0 100 1010	1 100 1010	J	010 11	J
K	K	1 100 1011	0 100 1011	K	011 11	K
L	L	0 100 1100	1 100 1100	L	100 10	L
M	M	1 100 1101	0 100 1101	M	111 00	M
N	N	1 100 1110	0 100 1110	N	011 00	N
O	O	0 100 1111	1 100 1111	O	110 00	O
P	P	1 101 0000	0 101 0000	P	101 10	P

TM 7440-222-15-235 (3)

Figure 3-2(3). Signaling code (part 3 of 5)

CHARACTER		INPUT ASCII CODE	ASCII		ITA-2	
Symbol	Name	8(P) 765 4321 (bits)	Punched code 8(P) 765 4321 (columns)	Symbol printed	Punched code 543 21 (columns)	Symbol printed
Q	Q	0 101 0001	1 101 0001	Q	101 11	Q
R	R	0 101 0010	1 101 0010	R	010 10	R
S	S	1 101 0011	0 101 0011	S	001 01	S
T	T	0 101 0100	1 101 0100	T	100 00	T
U	U	1 101 0101	0 101 0101	U	011 11	U
V	V	1 101 0110	0 101 0110	V	111 10	V
W	W	0 101 0111	1 101 0111	W	100 11	W
X	X	0 101 1000	1 101 1000	X	111 01	X
Y	Y	1 101 1001	0 101 1001	Y	101 01	Y
Z	Z	1 101 1010	0 101 1010	Z	100 01	Z
[	Opening bracket	0 101 1011	1 101 1011	[	001 00	None
~	Tilde	1 101 1100	0 101 1100	~	001 00	None
]	Closing bracket	0 101 1101	1 101 1101	]	001 00	None
^	Circumflex	0 101 1110	1 101 1110	^	001 00	None
-	Underline	1 101 1111	0 10 1111	-	001 00	None
@	Commercial at	1 110 0000	0 110 0000	\	001 00	None
a	a	0 110 0001	1 110 0001	A	000 11	A
b	b	0 110 0010	1 110 0010	B	110 01	B
c	c	1 110 0011	0 110 0011	C	011 10	C
d	d	0 110 0100	1 110 0100	D	010 01	D
e	e	1 110 0101	0 110 0101	E	000 01	E
f	f	1 110 0110	0 110 0110	F	011 01	F
g	g	0 110 0111	1 110 0111	G	110 10	G
h	h	0 110 1000	1 110 1000	H	101 00	H
i	i	1 110 1001	0 110 1001	I	001 10	I
j	j	1 110 1010	0 110 1010	J	010 11	J
k	k	0 110 1011	1 110 1011	K	011 11	K

Figure 3-2(4). Signaling code (part 4 of 5)

TM 7440-222-15-235 (4)

CHARACTER		INPUT ASCII CODE	ASCII		ITA-2	
Symbol	Name	8(P) 765 4321 (bits)	Punched code 8(P) 765 4321 (columns)	Symbol printed	Punched code 543 21 (columns)	Symbol printed
l	l	1 110 1100	0 110 1100	L	100 10	L
m	m	0 110 1101	1 110 1101	M	111 00	M
n	n	0 110 1110	1 110 1110	N	011 00	N
o	o	1 110 1111	0 110 1111	O	110 00	O
p	p	0 111 0000	1 111 0000	P	101 10	P
q	q	1 111 0001	0 111 0001	Q	101 11	Q
r	r	1 111 0010	0 111 0010	R	010 10	R
s	s	0 111 0011	1 111 0011	S	001 01	S
t	t	1 111 0100	0 111 0100	T	100 00	T
u	u	0 111 0101	1 111 0101	U	001 11	U
v	v	0 111 0110	1 111 0110	V	111 10	V
w	w	1 111 0111	0 111 0111	W	100 11	W
x	x	1 111 1000	0 111 1000	X	111 01	X
y	y	0 111 1001	1 111 1001	Y	101 01	Y
z	z	0 111 1010	1 111 1010	Z	100 01	Z
{	Opening brace	1 111 1011	0 111 1011	[	001 00	None
⌋	Overline	0 111 1100	1 111 1100	~	001 00	None
}	Closing brace	1 111 1101	0 111 1101	]	001 00	None
|	Vertical line	1 111 1110	0 111 1110	^	001 00	None
DEL	Delete (space)	0 111 1111	1 111 1111	-	001 00	None

Figure 3-2(5). Signaling code (part 5 of 5)

TM 7440-222-15-235 (5)

Section II. MECHANICAL FUNCTIONING OF PERFORATOR

3-3. Perforator Mechanism, Block Diagram

(fig. 3-3)

a. The perforator mechanism receives drive pulse signals from the CCU or the keyboard, punches the character data on the paper tape, and transports the paper tape to the printer interpreter and the tape handler (or directly to the tape handler).

b. The operation begins with the drive pulse signal from the CCU or the keyboard to the punch mechanism. The paper tape is fed to the punch mechanism from the tape supply slide assembly. Each character data received is recorded on the paper tape with one full punch strike cycle of the punch mechanism. As the paper tape is punched an echo bit pulse is sent to the logic circuitry. The tape advance signal from the logic circuitry to the capstan drive mechanism advances the paper tape one position. This procedure is repeated with each drive pulse signal received by the perforator. As the punched paper tape advances it is fed to the printer interpreter for printing and rending of the punched data, and then fed to the tape handler. If printing and rending is not required at a particular time, the tape is fed directly to the tape handler (bypassing the printer interpreter).

c. Two ac drive motors provide power to the perforator. One of the motors drives the capstan drive mechanism and punch mechanism, and the reeling motor drives the tape handler.

d. The perforator incorporates several sensing devices to provide signals to the logic circuitry in the event of a malfunction or, at the end of a reel of paper tape. These devices consist of a low tape sensor, an end of tape switch, a tape motion sensor, and a slack/tight loop sensor. The low tape sensor provides an indication to the logic circuitry when approximately 50 feet of tape remains on the supply reel. The end of tape switch provides an indication to the logic circuitry if the paper tape tears between punch head and supply reel. The tape motion sensor provides a pulse to the logic circuitry (through a photocell and amplifier circuit) where the timing is checked to make sure that the tape is advancing properly in response to advance signal. The slack/tight loop sensor provides an indication to the logic circuitry when the tape is advancing at different rates of speed through the perforator and the printer interpreter. The four alarm circuit outputs provide panel lamp indications during any of the four above conditions.

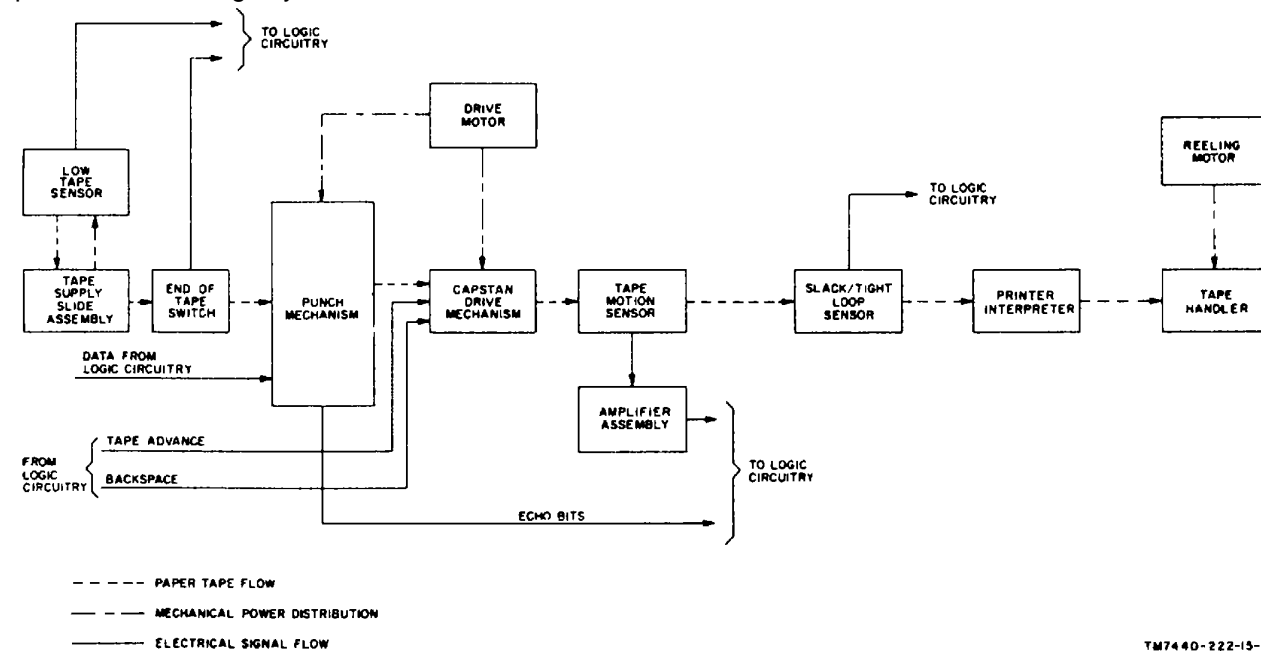


Figure 3-3. Perforator mechanism, block diagram.

3-4. Tape Supply Slide Assembly

(fig. 3-4)

The tape supply slide assembly is located on the right side of the panel with the supply reel positioned perpendicular to the panel. The tape supply slide assembly consists of a supply reel, a roller assembly, and a spring-loaded brake assembly. The movement of the supply reel is provided by the tape passing under the capstan on the shaft of the drive mechanism.

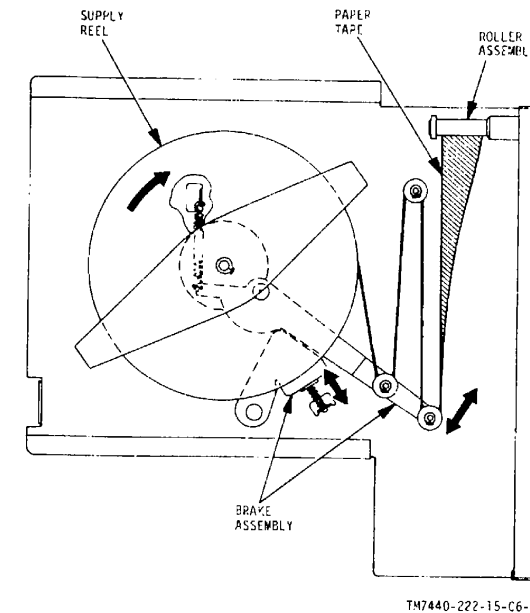


Figure 3-4. Tape supply slide assembly.

3-5. Low Tape Sensor

(fig. 3-5)

The low tape sensor consists of a switch (mounted on a bracket at the side of the tape supply reel) and a sensing arm which rests on the roll of tape in the supply reel. When approximately 50 feet of tape remain on the supply reel, the sensing arm closes the normally open contacts of the switch.

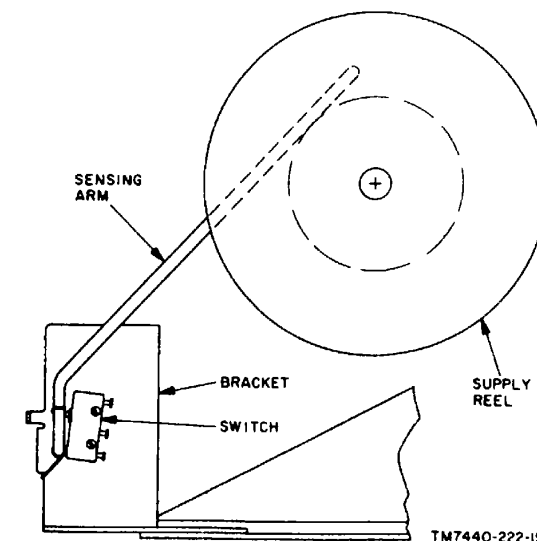


Figure 3-5. Low tape sensor.

3-6. End of Tape Switch

(fig. 3-6)

The end of tape switch is located on the right side of the punch head and provides a switch contact transfer to indicate when the reel is out of tape. When the end of the tape passes under the lever and no tape is present, the lever drops into the depression in the tape guide and the actuator pivots about the pin, closing the normally open contacts of the switch.

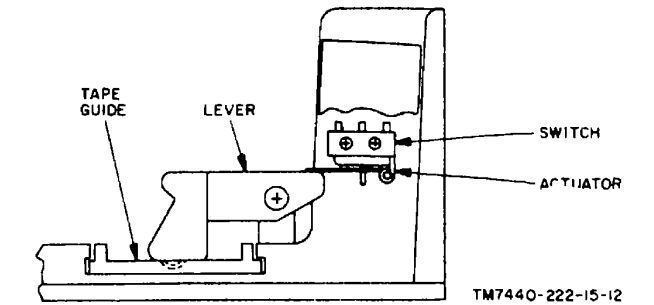


Figure 3-6. End of tape switch.

3-7. Punch Mechanism

(fig. 3-7)

a. The punch mechanism, mounted on the front of the panel, consists of one pivot shaft, ten punch drive eccentrics, ten punch linkages, and four clutch shafts (with gears), all enclosed in an oiltight case. Drive power is supplied to the four clutch shaft driven gears through a drive gear mounted on the motor shaft and centered within the four driven gears. Each driven gear has a shaft with either two or three clutches which are secured against rotation by the armatures of their respective escapement mechanisms. On the outer rim of each clutch is a gear which engages the gear of a corresponding punch drive eccentric.

b. When the punch mechanism receives a drive pulse signal from the CCU or keyboard, the electromagnetic escapements are energized, momentarily disengaging the corresponding armatures from the clutches, and permitting the clutches to rotate one sixth turn. The gears on the outer rim of the clutches rotate the corresponding eccentrics one full revolution, thereby executing one full punch stroke. Before the clutches complete the one-sixth revolution, the escapement armature is released, engaging the clutches and stopping rotation.

c. When the punch pins are in the paper tape, the forward escapement on the capstan drive mechanism is pulsed 6.04 milliseconds after the leading edge of the last data pulse. A further delay of approximately 1.3 millisecond occurs as a result of the inertia of both the armature and clutch. This total time allows the punches to operate and to clear the tape before tape movement begins.

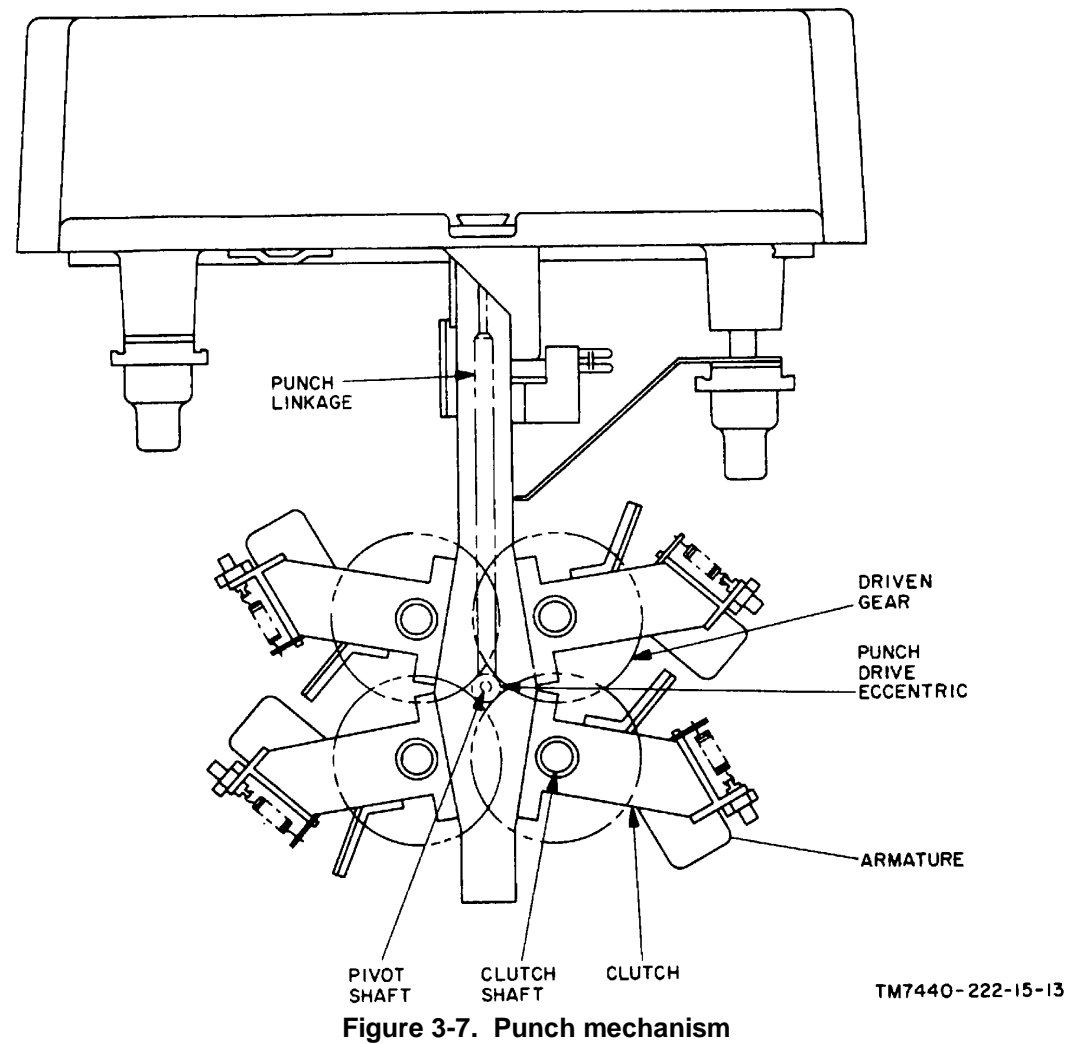


Figure 3-7. Punch mechanism

3-8. Capstan Drive Mechanism
(fig. 3-8)

a. The capstan drive mechanism is a bidirectional mechanism consisting of two electromagnetic escapements, two gear trains including two friction clutch assemblies, and an output shaft on which a 20-tooth capstan is mounted. Input drive power is provided continuously to the capstan drive mechanism through the drive belt from the drive motor. The two electromagnetic escapements are energized by advance and backspace control pulses. The input drive motion applied to the input shaft is transmitted through the two bevel spider gears to the driven gears of the friction clutch assemblies. When no signal is received, the armatures engage the friction lies causing the clutches to slip. As a result, the output shaft and the 20-tooth capstan are held stationary.

b. When a tape advance pulse is received, the advance electromagnetic escapement energizes so that the advance armature releases the friction clutch. The friction clutch turns one tooth before the armature engages the next tooth, stopping the motion until the next advance pulse is received. The result is that the 20-tooth capstan is turned 18°, which is equivalent to an advance of one row of data on the paper tape

c. When the backspace electromagnetic escapement is energized by a backspace pulse, the associated armature allows the opposite friction clutch assembly to engage and turn the output shaft in the reverse direction. As a result, the 20-tooth capstan backspaces the direction of the paper tape one row of data.

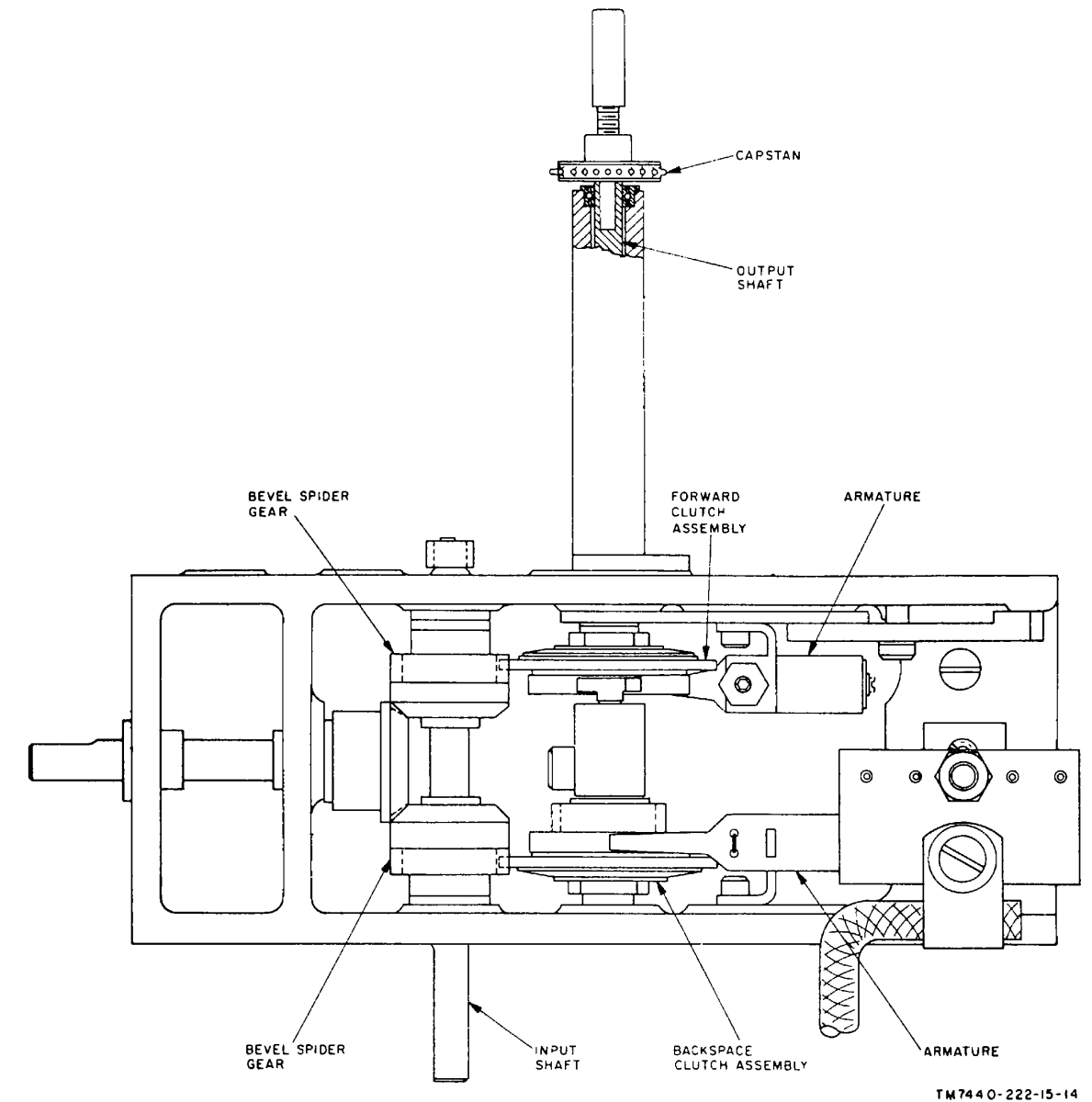


Figure 3-8. Capstan drive mechanism.

3-9. Tape Motion Sensor
(fig. 3-9)

The tape motion sensor is located on the left side of the punch head and consists of a light source (part of lamp mounting card assembly), a photocell (part of light sensor mounting card assembly), and a tape driven capstan (with shutter holes), rotating between them. As the tape rotates the capstan, the shutter holes act as a focal-plane shutter between the light source and the photocell to provide a dark-light-dark sequential input for each character step of the tape. The sensor output is inserted and amplified to +4.5 volts in the dark condition (output is less than 0.5 volt in the light condition) by the amplifier assembly (fig. 3-3), and then sent to the logic circuitry for timing comparisons.

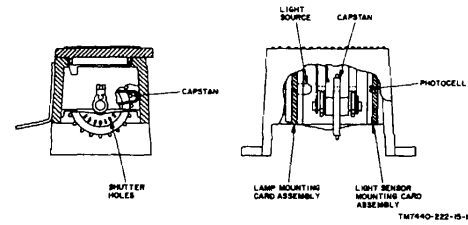


Figure 3-9. Tape motion sensor.

3-10. Slack/Tight Loop Sensor

(fig. 3-10)

a. The slack/tight loop sensor is located to the left of the capstan drive mechanic and consists of a tension arm assembly, two cams, two switches, and two actuators. This sensor is designed to cross one or the other of the two normally open switches in the event of a malfunction causing a difference in the rate of speed of tape motion through the perforator and the printer interpreter for dependent operation. During normal operation, the tension arm assembly is in the position indicated by the dotted line on figure 3-10 as the tape feeds to the printer interpreter, both switches are unactuated (open), and no voltage is present at the normally open switch terminal (para 3-64a).

b. When the tape moves through the printer interpreter at a *slower* rate than it is moving through the perforator, a slack tape condition results, causing the tension arm assembly to move upward, pivoting the connected shaft clockwise. This rotation causes the cams on this shaft to turn so that the larger diameter of the slack tape cam moves one of the actuators forward, closing switch 54 and providing an out put at the normally open contact (para 3-64a).

c. When the tape moves through the printer interpreter at a *faster* rate of speed than it is moving through the perforator, a tight tape condition results, causing the tension arm assembly to move downward, pivoting the connected shaft counterclockwise. This rotation causes the cams on this shaft to turn so that the larger diameter of the other cam moves the other actuator forward, closing switch 53 and providing an output at the normally open contact.

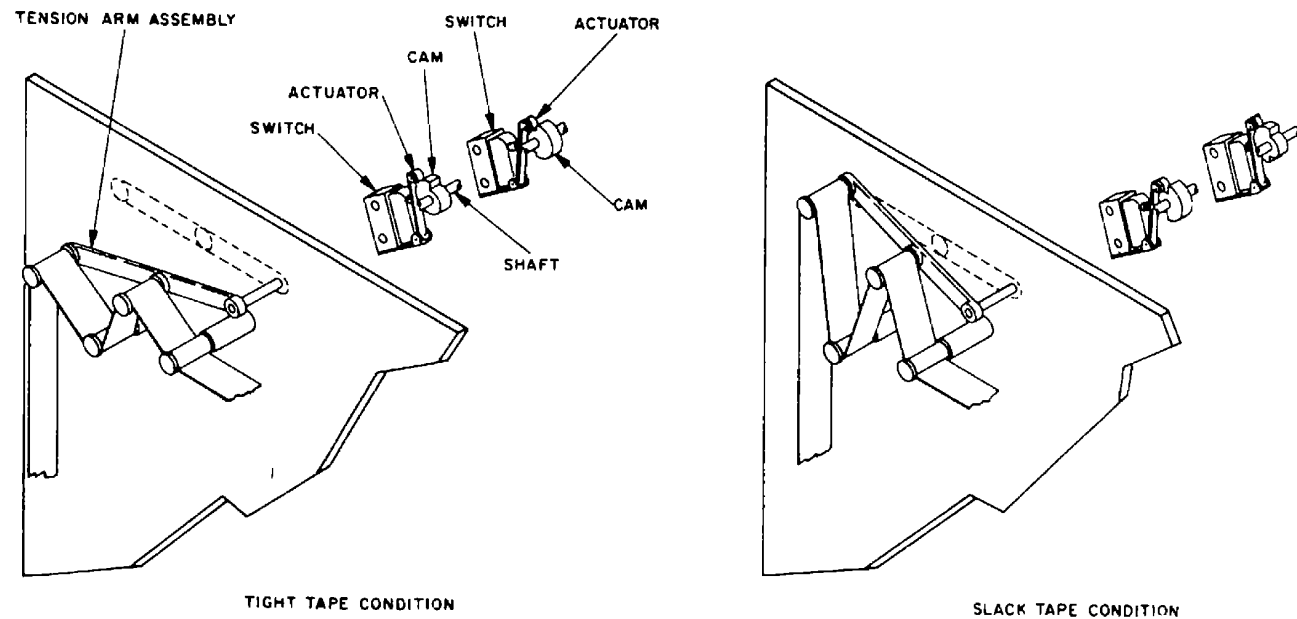


Figure 3-10. Slack/tight loop sensor.

3-11. Tape Handler

(fig. 3-11)

The tape handler is a panel-mounted unidirectional device provided to take up the tape after it has passed through the printer interpreter (or directly from the perforator). The tape handler consists of a takeup reel, a motor, and two sensors. AS the printer interpreter (or perforator) supplies tape, the supply tension arm moves downward causing the cam to contact the actuator, closing the switch. This switch energizes the motor, causing the takeup reel to rotate counterclockwise to reel up the tape. Under slack or tight tape conditions, the switch is deactivated by the cam, thus stopping the motor.

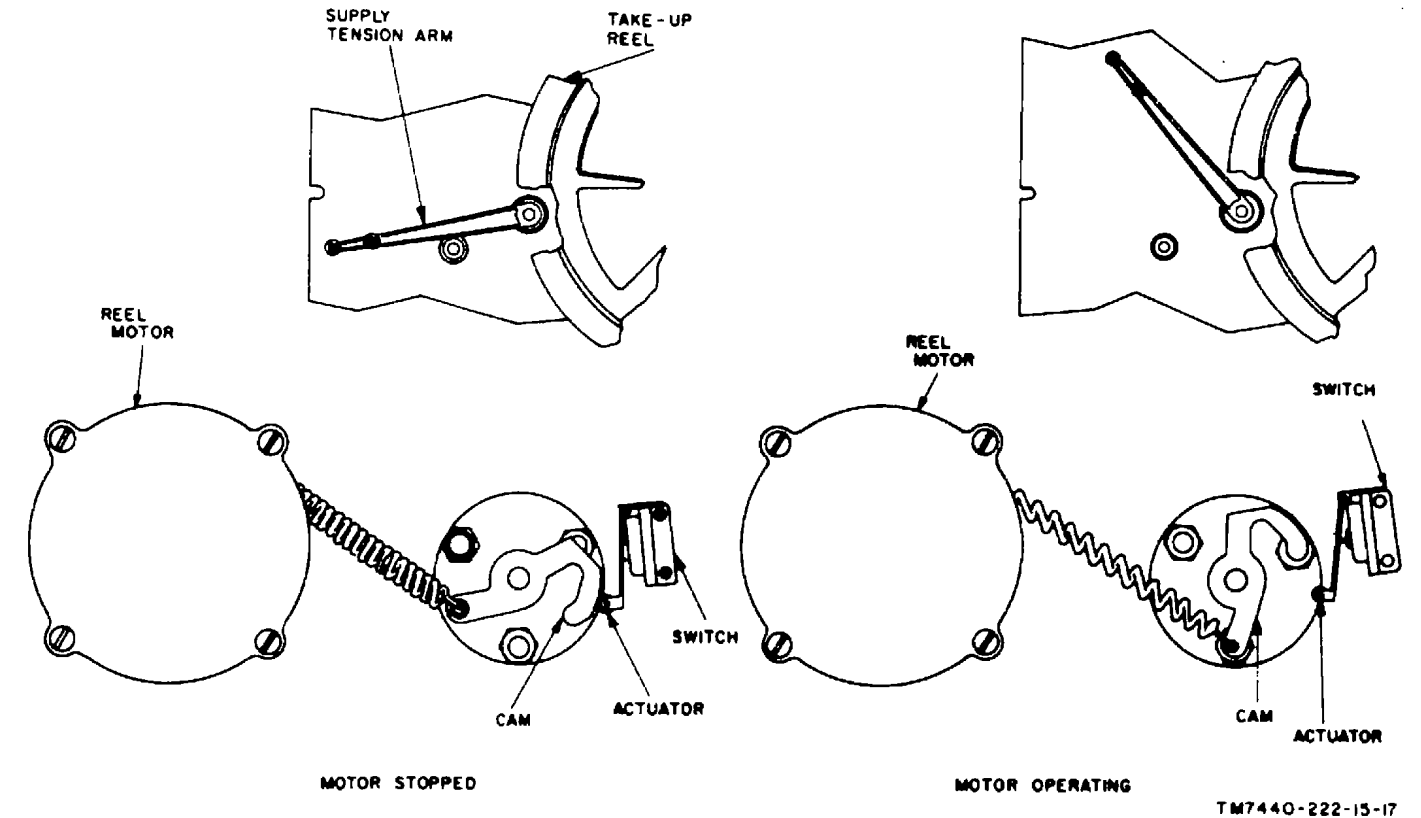


Figure 3-11. Tape handler.

3-12. Perforator Mechanical Power Distribution System

(fig. 3-12)

a. The perforator mechanism is driven by a 1/8-hp, ac motor located behind the right side of the panel. The motor requires 96- to 132-volt, 50- to 60-Hz, single-phase ac power. The motor shaft turns clockwise (when viewed from the shaft end). The motor transmits power to a gear train which, in turn, drives the punch mechanism and, through a pulley and belt arrangement, drives the capstan drive mechanism.

b. The unidirectional reeling motor which drives the tape handler requires 90- to 132-volt, 50- to 60-Hz, single-phase ac power. The motor shaft rotates counterclockwise when viewed from the output shaft end.

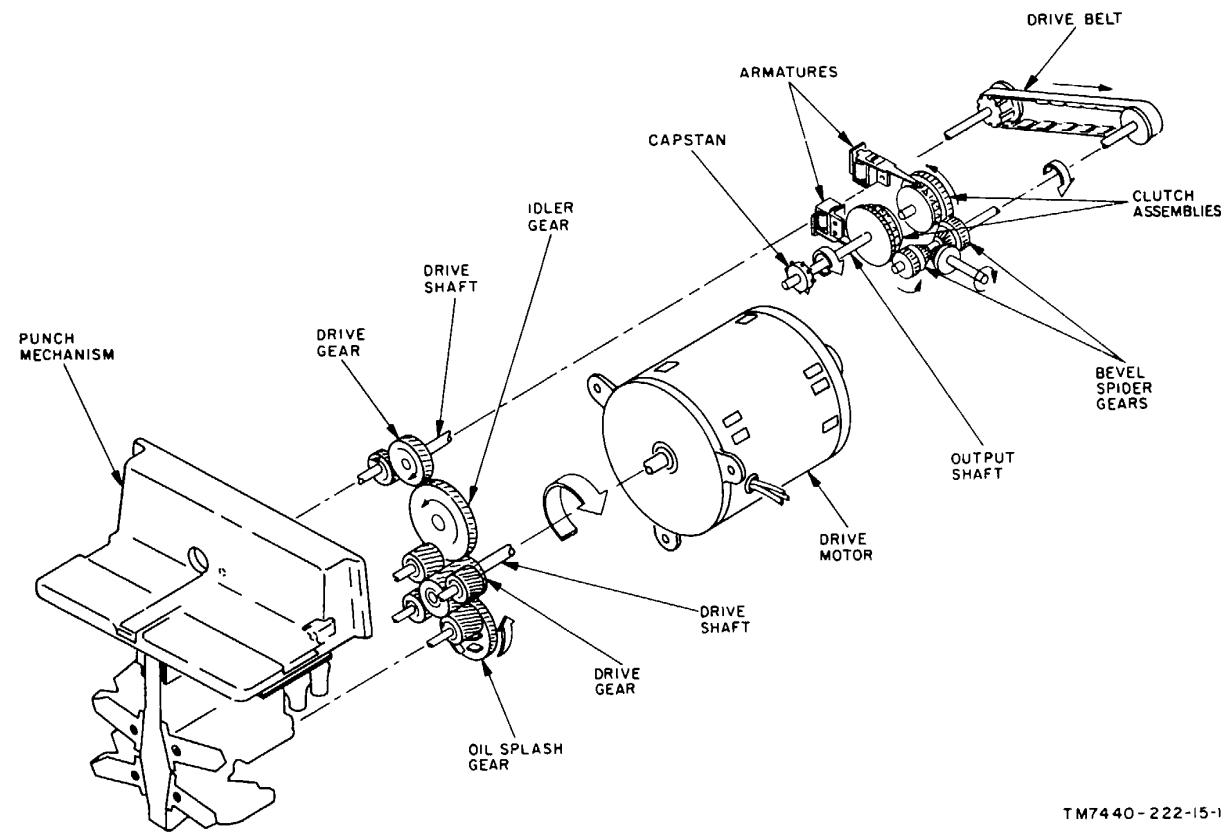


Figure 3-12. Perforator mechanical power distribution system.

Section III. MECHANICAL FUNCTIONING OF PRINTER INTERPRETER

3-13. Printer Interpreter Mechanism, Block Diagram (fig. 3-13)

a. The printer interpreter mechanism receives pre punched paper tape from the perforator mechanism, reads the punched data and, in conjunction with printer interpreter logic, prints the corresponding characters between the sprocket holes of the tape. The entire process is a cycle of the feed, read, and print functions. In each cycle, an advance-tape command signal causes the paper feed mechanism to advance the tape one position, thereby feeding one row of punched data into the reader mechanism. The tape stops with the punched data holes positioned over a row of photocells in the read static. Thus, the punched data is read and corresponding pulse codes are fed to comparator circuits for subsequent code comparisons and printing. The data is transferred on a bit-parallel, character-serial basis.

b. The printing function is performed by the print hammer assembly together with the ribbon feed mechanism, the print roll segment, and the code generator. The code generator generates pulse codes identifying individual characters engraved on the print roll segment. As a character on the print roll segment passes over the print hammers, the corresponding-pulse code is fed to the logic circuitry where it is compared with the data read from the tape. When two codes are the same, a print command is sent to the print hammer to print the character on the tape. If a character punched in the tape is not assigned to the print roll segment, the corresponding space on the tape is left blank. The cycle of feed, read, and print functions occurs approximately 20 times per second. Since one character can be printed in each cycle, the result is 20 printed characters per second.

c. An no drive motor provides power to all of the turning mechanisms in the printer interpreter.

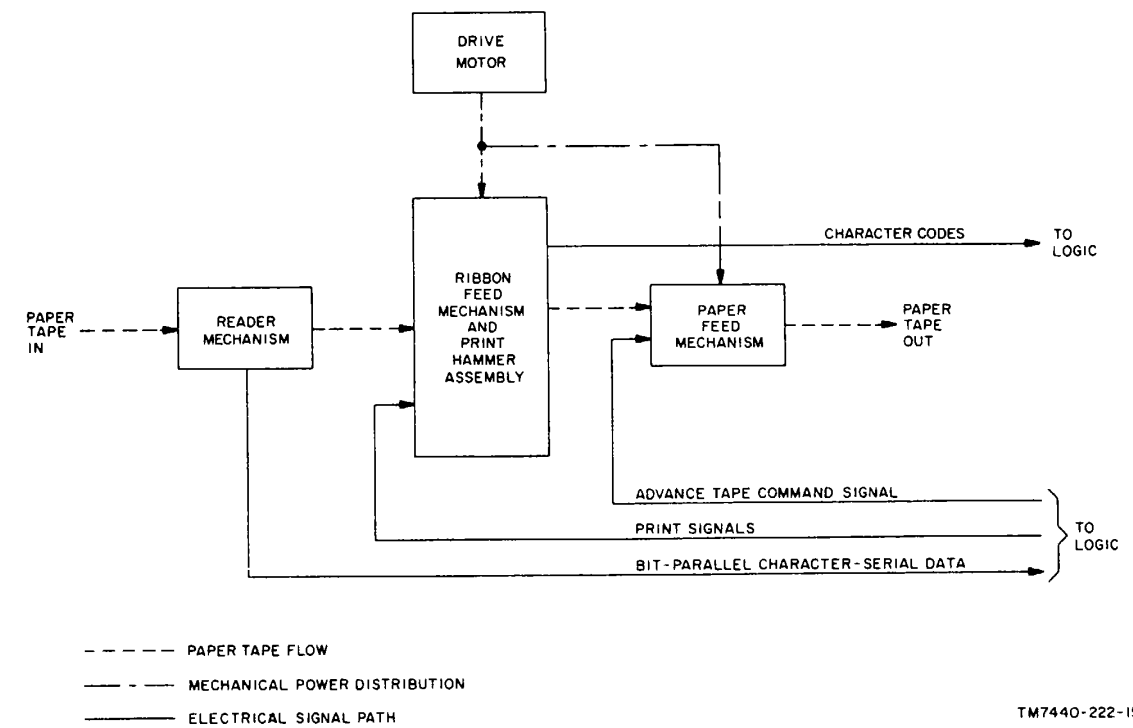


Figure 3-13. Printer/interpreter mechanism, block diagram.

3-14. Paper Feed Mechanism (fig. 3-14)

a. The paper feed mechanism advances the paper tape the distance between two adjacent sprocket holes during the load function, and holds the tape stationary during the read and print functions. It consists of a bidirectional mechanism, two electromagnetic escapements, and a 20-tooth capstan. Input drive power is provided continuously to the bidirectional mechanism through the drive belt from the drive motor. The two electromagnetic escapements are energized by advance and backspace control pulses.

b. The bidirectional mechanism consists of an input shaft, two gear trains including two friction clutch assemblies, and an output shaft on which the 20-tooth capstan is mounted. The input drive motion applied to the input shaft is transmitted through the trio level and spur gear assemblies to the driven gears of the friction clutch assemblies. When both pawls engage the sprocket wheels of the friction clutch assemblies, the ratchet wheels are prevented from turning and the friction clutches slip. As a result, the output shaft and the 20-tooth capstan are held stationary.

c. When an advance pulse is received, the advance electromagnetic escapement energizes so that the advance pawl releases the ratchet wheel. The level gear portion of the ratchet wheel then moves the bevel spider gear which is attached to the output shaft. Thus, the motion of the ratchet wheel is transmitted through the bevel spider gear to the output shaft. The pulse is 4.5 to 5 milliseconds long and permits the ratchet wheel to be turned exactly one tooth (36°) before the pawl engages the next tooth and stops the ratchet wheel. The result is that the 20-tooth capstan is turned 18°, which is equivalent to an advance of one row of data on the paper tape.

d. When the backspace electromagnetic escape ment is energized by tan backspace pulse, the associated pawl allows the opposite friction clutch assembly to engage and turn the output shaft in the reverse direction. As a result, the 20-tooth capstan backspaces the paper tape one row.

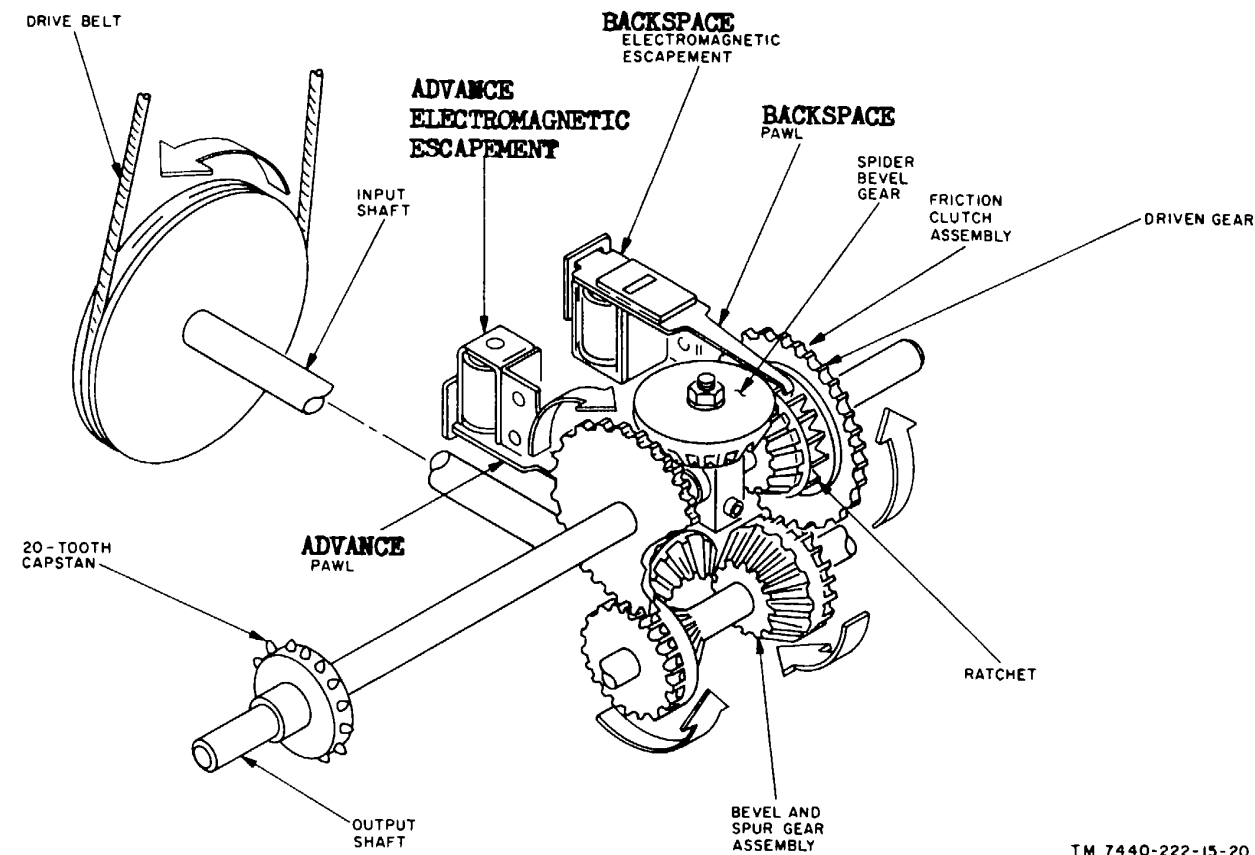


Figure 3-14. Paper feed mechanism.

3-15. Reader Mechanism

(fig. 3-15)

a. The reader mechanism interprets the perforations in the paper tape and produces corresponding electrical data codes. The paper tape is advanced into the reader mechanism and is stopped so that a single row of data is positioned over the eight photo cells. Therefore, the electrical representations of the punched character are sensed by the photocells and transferred to the logic circuitry.

b. The print station includes a photodiode printed circuit (pc) card positioned over a lamp block assembly (fig. 3-15). As a row of punched data is positioned over the block assembly, the photocell diodes sense the presence or absence of holes in the tape and produce the corresponding binary outputs.

c. A lever on the top of the reader mechanism holds a no-tape contact down so that it rests on the tape. The no-tape contact keeps a microswitch closed as long as the tape is present. When no tape is present, the contact drops into a hole in the tape guide block, thereby opening the microswitch for external indication. The tape guide block is machined to handle three different sizes of paper tape: 1 inch, 7/8 inch, and 11/16 inch wide. The block can be removed, turned to the tape size to be used, then put back in place.

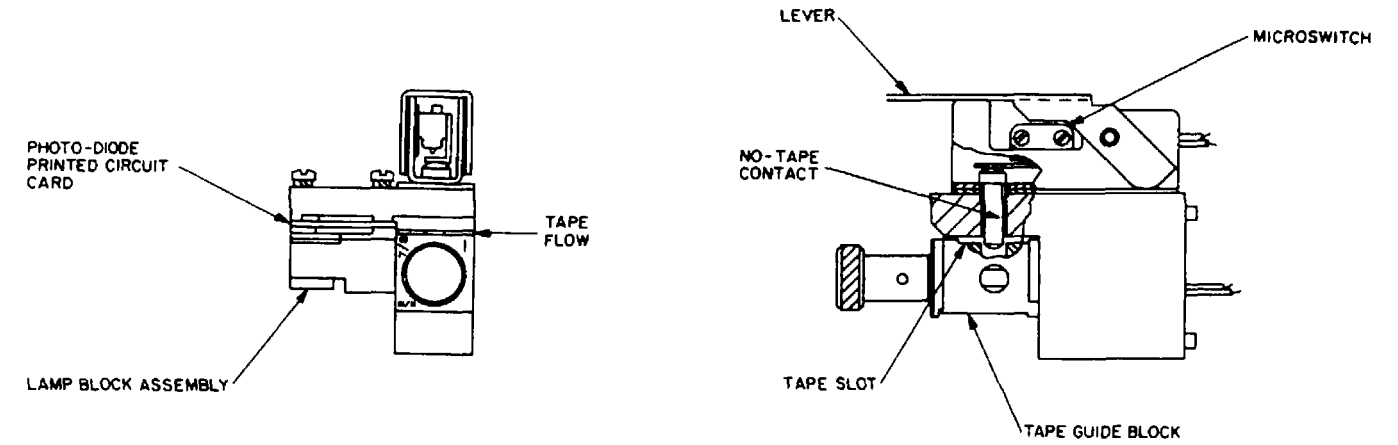


Figure 3-15. Reader mechanism.

3-16. Ribbon Feed Mechanism

(fig. 3-16)

a. The inked ribbon used for printing is transported from a spool through the printing area and onto a second spool by the ribbon feed mechanism. The ribbon can be transported in either direction, but is moved only during the print function of the operating cycle. When the end of the ribbon approaches; in either direction, the ribbon feed mechanism automatically reverses the action and begins transporting the ribbon in the opposite direction. The ribbon travels around a ribbon guide between the print roll segment and the paper tape, and directly over the print hammer.

b. Drive power for ribbon motion is transmitted from a small gear on the print roll segment shaft, through a gear train, to one of the two mating gears mounted on clutch-driven mandrel shafts (fig. 3-16). A ribbon spool is mounted on each mandrel shaft so that when either clutch is energized, the associated shaft and ribbon spool are driven while the other shaft and spool are freewheeling. When the end of the tape approaches, an eyelet attached to the tape actuates one of the two microswitches mounted on the sides of the mechanism. The engaged clutch disengages while the other clutch engages, resulting in a reversal of direction of ribbon travel.

c. Since it is only necessary to have the ribbon move during the printing function, excitation is supplied to the selected clutch coil as the printing function begins in each cycle of operation. The excitation is removed during loading and reending.

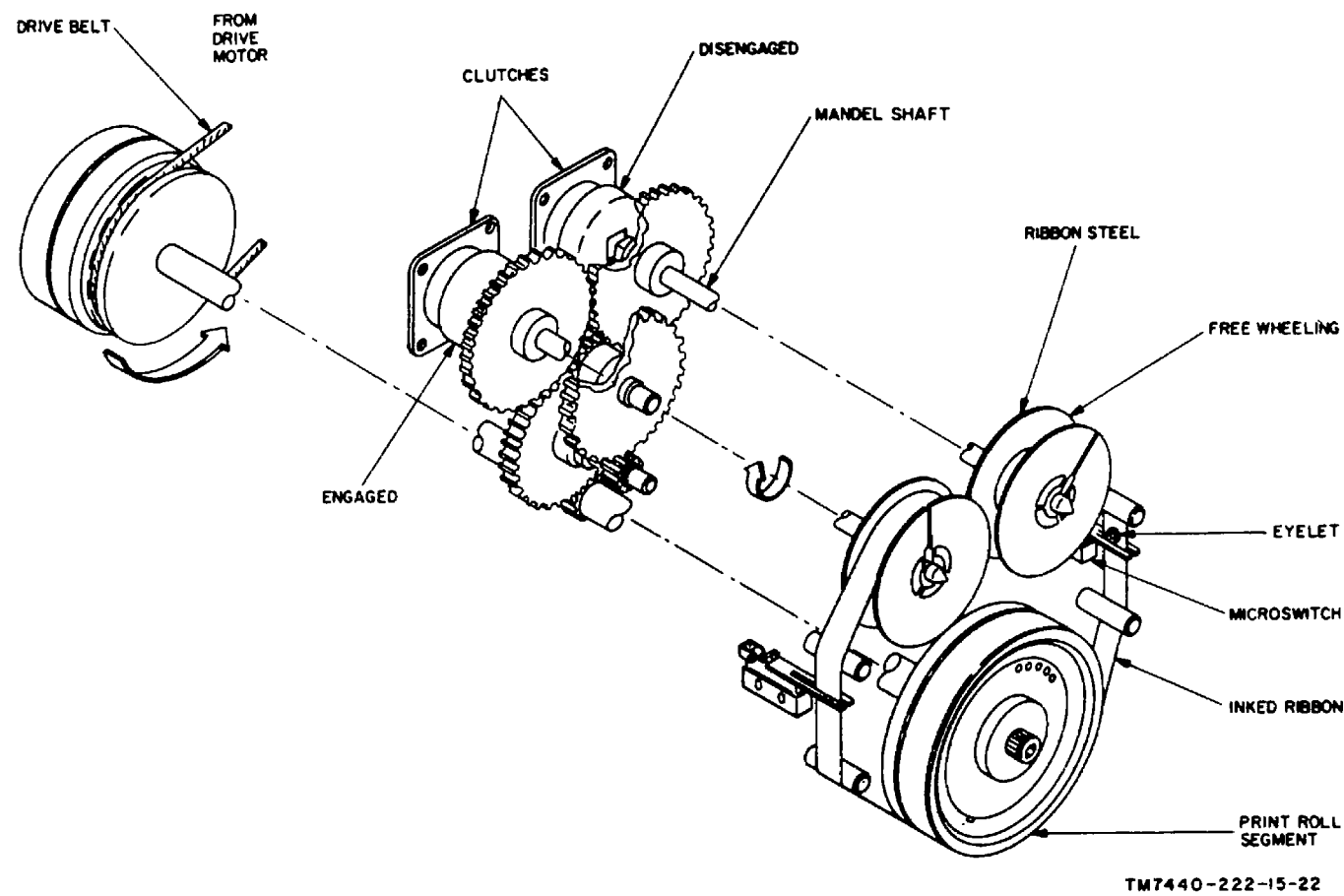


Figure 3-16. Ribbon feed mechanism.

3-17. Print Roll Segment
(fig. 3-16)

The print roll segment has a single column of 64 engraved characters around its periphery. The print roll segment is mounted on the same shaft as the code disc of the code converter. A pulley mounted on the shaft next to the code disc is driven by the drive belt from the drive motor. This shaft turns continuously while the equipment is in operation.

3-18. Code Generator
(fig. 3-17)

a. The code generator is synchronized with the print drum and produces a character pulse as each row of characters on the drum turns into the print position. This pulse is used for timing in the printing operation. The code generator also generates the binary codes identifying the character in the print position. These codes are compared with the codes read from the paper tape.

b. The code generator consists of a lamp and photo diode assembly and a code disc which is mounted on the print drum shaft. The code disc is opaque, except for transparent holes arranged on 64 equally spaced radii. Each radius contains a code corresponding to a specific character on the print drum. The lamp and photodiode assembly straddles the code disc so that the lamp and photodiode combinations monitor concentric circles on the code disc. As the code disc rotates, the light from the lamps passes through the holes and energizes the associated photodiodes. Therefore, all 64 codes are repeatedly fed into the comparison logic on a parallel-bit character-serial basis. The holes on the outer circle of the code disc provide the character pulses for timing and those on the remaining inner circles provide the character codes.

c. The code generator includes a phasing adjustment handle which is used to adjust the synchronization between the code generator and the print roll segment.

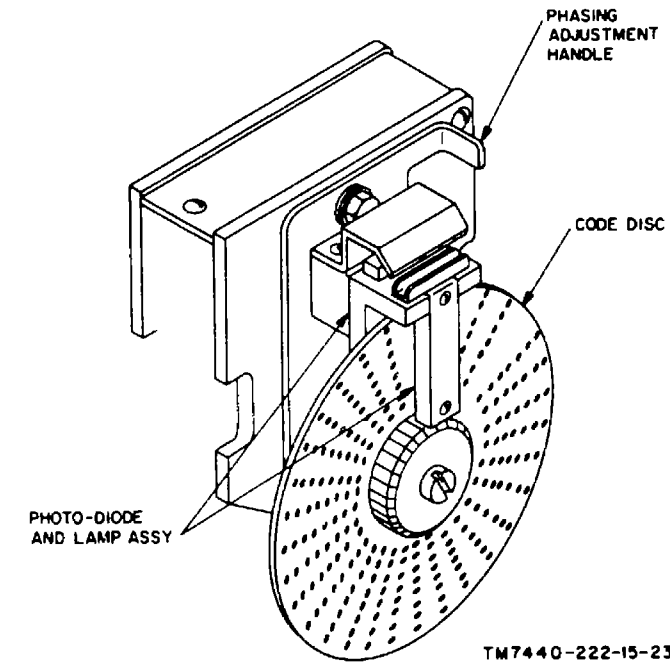


Figure 3-17. Code generator.

3-19. Print Hammer Assembly
(fig. 3-18)

The print hammer assembly consists of a single hammer which is positioned under the print roll segment and in line with the characters on the print roll segment. The hammer is solenoid-actuated and is controlled by a hammer driver circuit. On a print command, a pulse from the hammer driver circuit energizes the hammer solenoid. The energized solenoid attracts the hammer armature, the hammer pivots; the hammer face strikes the paper tape against the inked ribbon and the print roll segment, and the hammer returns to rest. Although the inked ribbon is moving and the print roll segment rotating, the short dwell time of the hammer allows the character to be printed without smudging or blurring. The density of print in each column can be varied by adjusting the hammer penetration adjustment screw.

3-20. Printer Interpreter Mechanical Power Distribution System
(fig. 3-19)

The printer interpreter mechanism is driven by an ac motor located behind the left side of the front panel. The motor requires 109- to 121-volt, 50- to 60-Hz, single-phase ac power. A dual pulley is mounted on one end of the shaft, which turns clockwise when viewed from the end of the shaft. Operation of the motor in the 60-Hz power mode requires that the smaller-diameter pulley be used. For operation in the 50-Hz power mode, the pulley is reversed on the motor shaft so that the larger diameter pulley is used. The same drive belt is used for either 50- or 60-Hz operation. The drive belt transmits power to the drive shaft of the paper feed mechanism and to the print drum shaft of the ribbon feed mechanism.

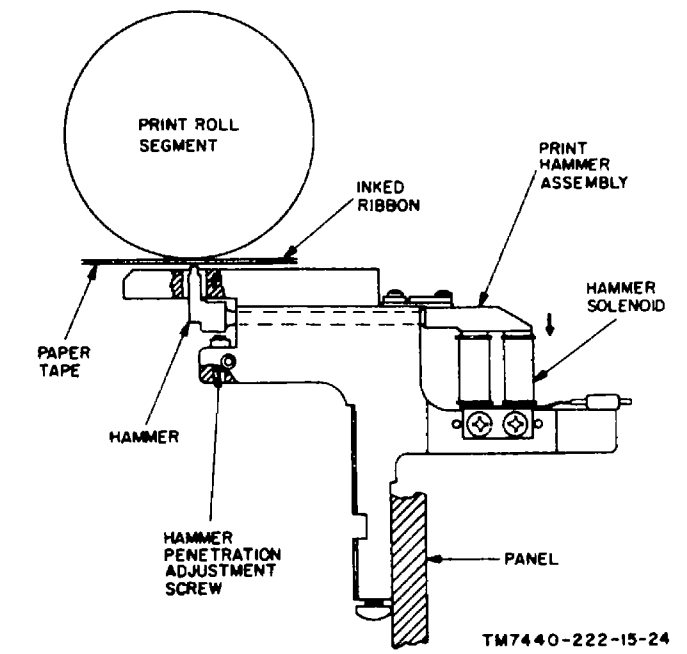


Figure 3-18. Print hammer assembly.

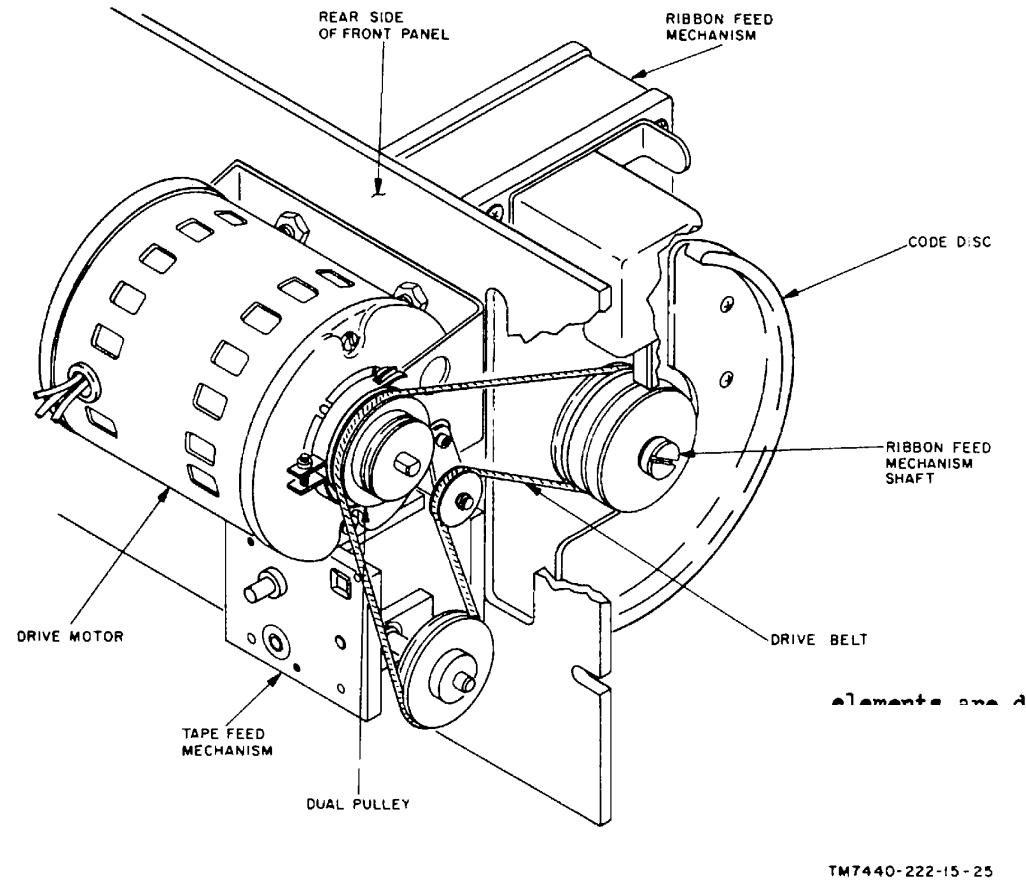


Figure 3-19. Printer interpreter mechanical power distribution system.

Section IV. ELECTRICAL FUNCTIONING OF PUNCH SECTION

3-21. Logic Diagram

a. Most of the data processing and control functions of the paper tape punch are performed by logic circuits on the printed circuit cards logic assembly A1. Thus, the electrical operation of each card is represented in chapter 8 by a logic diagram rather than a conventional schematic diagram. The logic diagram shows all input and output connections of the card. Including power connections, but does not show the circuit components which make up the individual logic elements.

b. Most of the logic elements in the paper tape punch are mounted in integrated circuit modules, thus, detailed circuit components are not applicable. (Each integrated circuit logic element is considered to be a single electrical component.) For those logic elements that are made up of discrete circuit components, the schematic representation and a description of the circuit operation for each type of logic element is given in paragraph 3-83.

3-22. Logic Signal Notation

a. In general, logic signals in the paper tape punch switch between a high level of +4.5 volts and a low level of 0 volt. Some signal lines are considered activated when the level is high and others are considered activated when the level is low. The state indicators (small circles) at the input and outputs of logic elements indicate which lines are activated by a high level (state indicator absent) and which lines are activated by a low level (state indicator present).

b. All significant logic signals are assigned a functional name or designation. To permit the active state of a signal to be indicated by its functional name, the high level is arbitrarily designated true or logic 1 for signal naming purposes, while the low level is arbitrarily designated false or logic 0. Thus, the signal is a true-function if it is active on a high level and a

not-function if it is active on a low level. Not-function signals are identified by a not-bar over the functional name; for example: data request .

c. In the functional descriptions, the terms high and low are used for +4.5- and 0-volt levels. Pulses or levels going from 0 volt to +4.5 volts are called positive pulses or high levels, and those going from +4.5 volts to 0 volt are called negative pulses or low levels.

3-23. Logic Diagram Symbol Notation

a. Typical integrated circuit and discrete circuit logic elements are shown in figure 8-5. Inputs and outputs of integrated circuit logic elements are identified by the wire terminal numbers of the integrated circuit modules in which the elements are located.

b. Two tagging lines are used within each logic symbol for identification purposes.

(1) The first tagging line in each logic symbol identifies the logic element type. The various types of integrated circuit logic elements are described in paras 3-24 thru 3-26.1. The various types of discrete circuit logic elements are described in paragraph 3-118.

(2) The second tagging line in each logic symbol identifies the electrical reference designation of the logic element. This reference designation is prefixed by the reference designation of the printed circuit card on which it is located.

3-24. Integrated Circuit Modules

a. The integrated circuit modules used in the paper tape punch are of several types as described in the following paragraphs. However, they are all of standard construction and wired to the printed circuit cards through 10 terminals (1 through 10). Reference designation- for the integrated circuit modules are Z1, Z2, Z3, etc.

b. Some of the integrated circuit modules contain only one logic element and others contain two. In those cases where two logic elements are contained in one integrated circuit module, the two elements are shown separately on the logic diagrams and are designated A and B; for Example: Z1A and Z1B. The output signal terminal of the A element in each integrated circuit module is always terminal 2, and the output signal terminal of the B element is always terminal 10.

c. Power supply inputs to the individual logic elements are not shown on the logic diagrams since there is no provision for them in logic symbology. However, all integrated circuit modules receive power supply inputs of +4.5 volts at terminal 6 and 0 volt at terminal 1.

d. Since the integrated circuits are of a standard construction, not all inputs to AND gates and OR gates are used in each application. Unused gating inputs are always wired to one of the used gating inputs. Thus, more than one terminal may be listed at an input on the logic diagram symbol.

e. Most integrated circuit logic elements can function in more than one way. Thus, every AND gate for high inputs is an OR gate for low inputs, and every OR gate for low inputs is an AND gate for high inputs. A noninverting OR gate becomes a simple buffer if the inputs are wired together, and an inverting OR gate becomes an inverter if the inputs are wired together.

f. The logic operation of each integrated circuit module type is described in paragraph 3-25. The discussion specifies the logic symbols which are used to represent the logic elements.

3-25. Operation of Individual Integrated Circuit Modules

The operation of the individual integrated circuit modules used in the low speed paper tape punch is described below. Logic symbols are given for each type of module, using typical tagging lines.

a. *Type A-1 Module.* Two type A-1 gates are located on each type A-1 module (fig. 3-20). These may be noninverting AND gates for high inputs (case A), or noninverting OR gates for low inputs (case B). Open circuit inputs are equivalent to high levels.

b. *Typical A-2 Module.* One type A-2 gate is located on each type A-2 module (fig. 3-21). This may be a noninverting AND gate for high inputs (case A), or a noninverting OR gate for low inputs (case B). Open circuit inputs are equivalent to low levels. Terminal 10 is not used on type A-2 modules.

c. *Type N-1. Module.* Two type N-1 gates are located on each type N-1 module (fig. 3-22). These may be inverting OR gates for high inputs (case A), or inverting AND gates for low inputs (case B). The type N-1 gates may also act as simple inverters (case C). This is accomplished by tying all input terminals, together. Open circuit inputs are equivalent to low levels.

d. *Type N-2 Module.* One type N-2 gate is located on each type N-2 module (fig. 3-23). This may be an

Logic Signals-Mnemonics and Functional Names

Paper tape punch components

AAR-AUDIBLE ALARM RESET
 ALS-ALARNI STOP
 ARC-AUDIBLE RESET (NC)
 ARO-AUDIBLE RESET (NO)
 BS-BACKSPACE
 CAN-CANCEL
 CCAN-CCU CANCEL
 CDB1-CCU DATA BIT 1 (2, etc. through 8)
 CDC-CCU DATA CONTROL
 CDS-CCU DATA STROBE
 CLK1-CLOCK 1
 CLK2-CLOCK 2
 CNA-CCU NOT ASSIGNED
 CODB-CODE SELECT B
 CSEL-CCU SELECT
 DB1-DATA BIT 1 (2, etc., through 8)
 DC-DATA CONTROL
 DSS-SHIFT L/F GENERATOR
 EB1-ECHO BIT 1 (2, etc., through 8)
 ECOE-ECHO ERROR
 EEST-ECHO ERROR STROBE
 EOM-END OF MESSAGE
 EPC-ECHO & PARITY CHECK
 ERB-ERROR RESET B
 FDR-FIRST DATA REQUEST
 FLT1-FAULT 1
 FLT2-FAULT 2
 FLT3-FAULT 3
 IDR-INTERNAL DATA REQUEST
 IDS-INTERNAL DATA STROBE
 INDP-INDEPENDENT
 INH1-INHIBIT 1
 INH2-UNIVERSAL KYB INHIBIT
 ISEI-INTERNAL SELECT
 ITA1-ITA BIT 1
 DEL-DELETE
 DR-DATA REQUEST
 DRI-DATA REQUEST INHIBIT
 DS-DATA STROBE
 UKE-UK ENABLE
 LMPO-LAMP TEST (NO)
 LTA-LOCAL TEST A
 LTB-LOCAL TEST B
 LTC-LOCAL TEST (NO)
 LTO-LOCAL TEST (NO)
 LTPO-LOW TAPE (NO)
 MRA-M ASTER RESET A
 MRB-MASTER RESET B
 MS-MOTION SENSOR
 MSC-MOTION SENSE CHECK
 MSE-MOTION SENSOR ERROR
 MSTP-MANUAL STOP
 NA-NOT ASSIGNED
 NADV-NOT ADVANCE
 NBS-NOT BACKSPACE
 NLT-NOT LOCAL TEST
 NMTF-NOT MANUAL TAPE FEED
 IUKE-INHIBIT UK ENABLE
 PDF-PUNCH DRIVE FUSE
 PF-PRINTER FAIL OR PUNCH FIGURES

PFL-PUNCH FUSE LAMP
 PIAD-PRINTER INTERPRETER ADVANCE
 PIBS-PRINTER INTERPRETER BACKSPACE
 PIGL-PRINTER INT. GREEN LAMP
 PIPO-PRINTER INT. STOP (NO)
 PORL-PRINTER INT. RED LAMP
 PITC-PRINTER INT. START (NO)
 PIWL-PRINTER INT. WHITE LAMP
 PPE-PARITY & PUNCH ERROR
 PRO-PRINT (NO)
 PRC-PRINT (NC)
 PRST-POWER ON RESET
 PU-PUNCH
 PUGL-PUNCH GREEN LAMP
 PUPO-PUNCH STOP (NO)
 PUTC-PUNCH START (NC)
 NNA-NOT NOT ASSIGNED
 NNOB-NOT NOTCH B
 NOA-NOTCH A
 NO7C-NOTCH CHANNEL 7
 NO9C-NOTCH CHANNEL 9
 NPU-NOT PUNCH
 NSPR-NOT SPROCKET
 NUKI-NOT UK INTERLOCK
 OAL-OPERATOR ALARM
 OTL-OUT OF TAPE ALARM
 PAE-PARITY ERROR
 PAEL-PARITY ERROR LAMP
 STG1-STOP TIMING GENERATOR 1
 STG2-STOP TIMING GENERATOR 2
 STG3-STOP TIMING GENERATOR 3
 STG4-STOP TIMING GENERATOR 4
 STRA-START RESET A
 TFE-TAPE FEED ENABLE
 TTB-TIGHT TAPE B
 TTO-TIGHT TAPE (NO)
 UDB1-UNIV. KYB DATA BIT 1 (2, etc., through 9)
 UDS-UNIV. KYB DATA STROBE
 USEL-UNIV. KYB SELECT
 PUTO-PUNCH START (NO)
 PUWL-PUNCH WHITE LAMP
 RDYU-READY TO UK
 RSTU-UNIVERSAL KYB RESET
 SEL-SELECT
 SLAV-SLAVE
 SLTL-SLACK TAPE LAMP
 SLTO-SLACK TAPE (NO)
 SOM-START OF MESSAGE
 SPPU-STOP PUNCH
 STP-STOP
 STRB-START RESET B
 STPU-START PUNCH
 TFC-TAPE FEED (NC)
 TOO-TAPE OUT (NO)
 TTC-TIGHT TAPE C
 TWN-TAPE WIDTH NARROW
 UCAN-UNIV. KYB CANCEL
 UDC-UNIV. KYB DATA CONTROL
 UKI-UNIV. KYB INTERLOCK

Logic Signal Mnemonics and Functional Names

Paper tape punch components

INT-INTERLOCK
 LO-LOW ORDER
 LTRS-LETTERS
 P-PRINT
 PO-PRINT OFF
 R-READ
 S1-SENSE 1 (2, etc., through 7)
 SC-SYSTEM CLEAR
 SD1-SUPPRESS DATA 1
 SD7-SUPPRESS DATA 7
 SFP-START FEED PULSE
 ST-STEP
 T-TRUE
 TFS-TAPE FEED STROBE
 W-W RITE
 WB1-WRITE BIT 1 (2, etc., through 7)
 2⁰-ADDRESS COUNTER ONE OUTPUT
 2¹-ADDRESS COUNTER TWO OUTPUT
 2²-ADDRESS COUNTER FOUR OUTPUT
 ADV-ADVANCE
 BH-BRAKE HOLD
 BP-BRAKE PULSE
 CFF/F-CLEAR FIRE FLIP/FLOP
 CLR-CLEAR
 COL-COLUMN
 COM-COMPARE

CWSD-CODE WHEEL STROBE DELAY
 CT7-COUNT 7
 DB1-DATA BIT 1 (2, etc., through 7)
 DR/W-DRIVER READ/WRITE
 DS-DATA STROBE
 ES-ENABLE SCAN
 F-FEED
 FI-FIRE
 FIGS-FIGURES
 BSP-BACKSPACE
 DF-DISABLE FIRE
 DIR-DIRECTION
 ENF-ENABLE FIRE
 CWB2-CODE WHEEL BIT 2 (3, etc., through 8)
 CWS-CODE WHEEL STROBE
 FWD-FORWARD
 HF-HAMMER FIRE
 L/F-LETTERS/FIGURES
 MTN-MOTION
 PTA-PAPER TAPE ADVANCE
 PTB-PAPER TAPE BACKSPACE
 REV-REVERSE
 T1 & 2-TRUE 1 AND 2
 T3 & 4-TRUE 3 AND 4
 T5 & 6-TRUE 5 AND 6
 T7-TRUE 7

inverting OR gate for high inputs (case A), or an inverting AND gate for low inputs (case B).

e. *Type N-3 Module.* Two type N-3 gates are located on each type N-3 module (fig. 3-24). These may be inverting OR gates for low inputs (case A), or inverting AND gates for high inputs (case B). The type N-3 gates are used with an expander input supplied by type E-1 OR gates for case A and by type E-1 AND gates for case B. Open circuit inputs are equivalent to low levels.

f. *Type O-1 Module.* Two type O-1 gates are located on each type O-1 module (fig. 3-25). These may be noninverting OR gates for high inputs (case A), or noninverting AND gates for low inputs (case B). The type O-1 gates may also act as simple buffers (case C). This is accomplished by tying all input terminals together. Open circuit inputs are equivalent to low levels.

g. *Type O-3 Module.* Two type O-3 gates are located on each type O-3 module (fig. 3-26). These may be noninverting OR gates for high inputs (case A), or noninverting AND gates for low inputs (case B). The type O-3 gates are used with an expander input supplied by type E-1 OR gates for case A, and by type E-1 AND gates for case B. Open circuit inputs are equivalent to low levels.

h. *Type FF-1 Module.* One type FF-1 flip-flop is located on each type FF-1 module (fig. 3-27).

(1) In the case A configuration, the flip-flop can be set by either a high level at the S input or a high level at the S input which is clocked by a negative step at the CL input. The flip-flop can be cleared by either a high level at the C input or a high level at the K input which is (locked by its negative step at the CL input. The clocked inputs are inoperative unless the S and C inputs are low.

(2) In the case B configuration, terminals 3, 4, and 5 are tied together to form a T input. When the S and C inputs are low, the flip-flop is toggled between the set and clear states by negative steps at the T input. Otherwise, the flip-flop is set by a high level at the S input and cleared by a high level at the C input.

(3) Open circuits at the J, K, CL, or T inputs are equivalent to high levels. Open circuits at the S or C inputs cause intermittent erroneous changes of state.

(4) Unused J and K inputs are wired to terminal 1 (0 volt). To permanently enable J, K, or CT, inputs, these inputs are wired to terminal 6 (+4.5 volts).

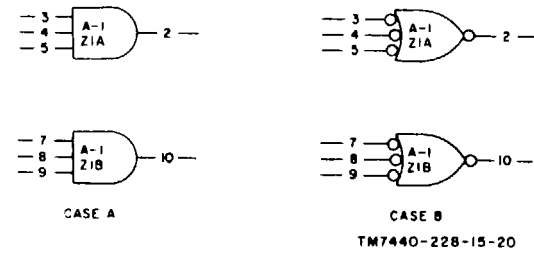


Figure 3-20. Type A-1 module, logic symbols.

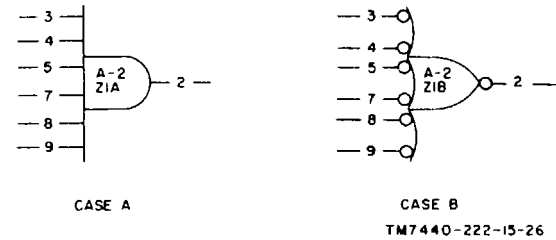


Figure 3-21. Type A-2 module, logic symbols.

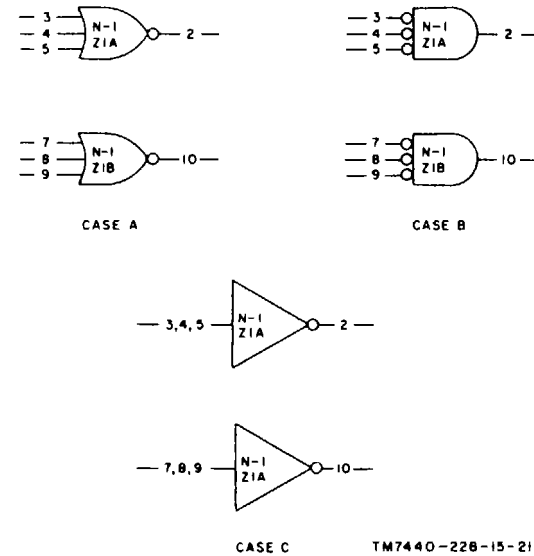


Figure 3-22. Type N-1 module, logic symbols.

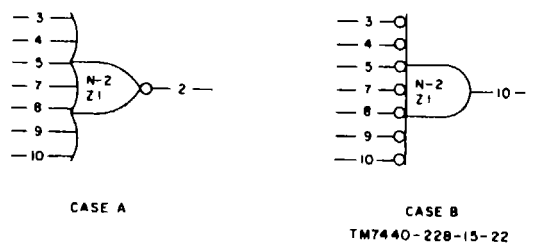


Figure 3-23. Type N-2 module, logic symbols.

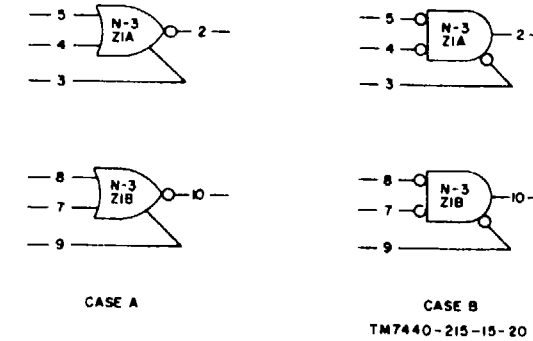


Figure 3-24. Type N-3 module, logic symbols.

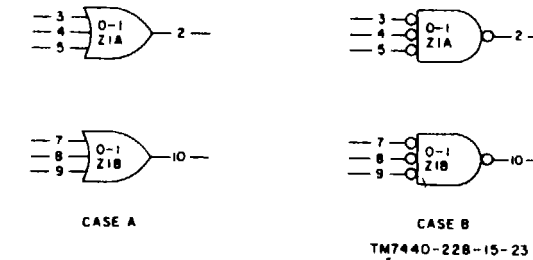


Figure 3-25. Type O-1 module, logic symbols.

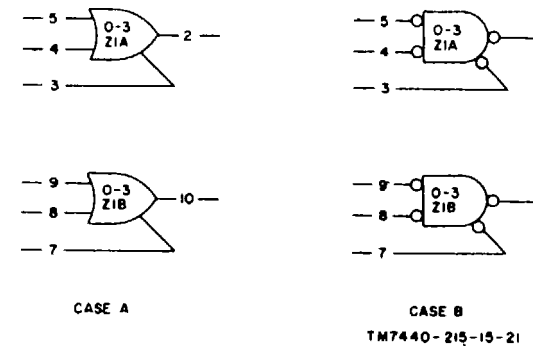


Figure 3-26. Type O-3 module.

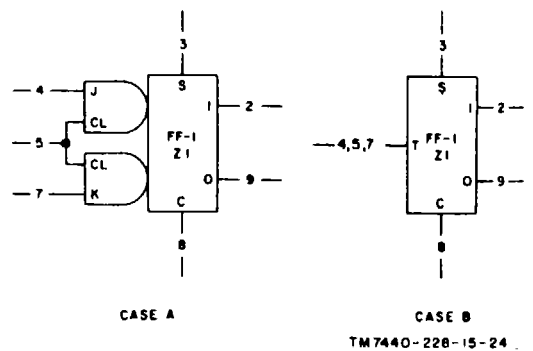


Figure 3-27. Type FF-1 module.

3-26. Integrated Circuit Latch

a. A special combination of N-1 OR gates called a latch (fig. 3-28) is used extensively in the tape punch logic circuits. The latch functions as a flip-flop to register the occurrence of momentary signals. The two OR gates which make up the latch are called the set and clear sides of the latch. The 1 output of the latch, which goes high when the latch is set, is produced by the clear side, and the 0 output, which goes high when the latch is cleared, is produced by the set side of the latch.

b. To set the latch, both inputs to the clear side must be low, and a high level must occur at either of the two inputs to the set side. The resulting low output of the set side on line 0 inhibits the clear side which then produces a high level on the 1 line. This high level maintains an input to the set side so that even if the external input goes low, the latch remains set.

c. To clear the latch, both inputs to the set side must be low and high level must be applied to either clear side input. This causes the 1 output to go low and the 0 output to go high. Thus, the clear condition is reinforced and remains even after the high level to the clear side goes low again.

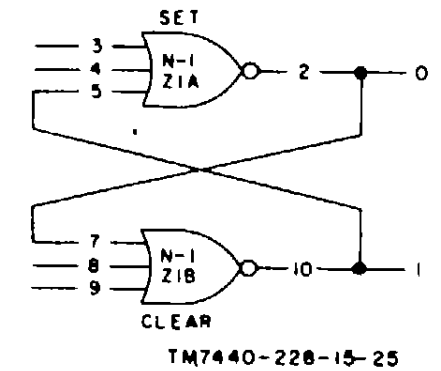


Figure 3-28. Latch logic symbol.

3-26.1 Microcircuit Logic Elements

a. Lamp driver circuits used in the paper tape punch consist of thick film circuit components encapsulated within a square plastic case. These circuits are type SM-63 microcircuits, and are wired to the printed circuit cards through ten terminals (1 through 10). Reference designations of the microcircuit modules are Z1, Z2, Z3, etc.. Each module contains three separate circuits. These circuits are shown separately on logic diagrams and are designated as A, B, C, etc. (For example: Z1A Z1B, Z1C.) The output terminal from the A circuit is always terminal 1; for the B circuit, terminal 3, and for the C circuit, terminal 5 (fig. 3-28.1).

b. Power supply inputs to the individual microcircuits modules are not shown on the logic diagrams since there is no provision for them in logic symbology; however, all lamp driver (SM-63) microcircuit modules receive power supply inputs of +12 volts at terminal 7, -12 volts at terminal 8, and ground at terminal 10.

c. The lamp driver provides a current return path for indicator lamps. One side of the indicator lamp is connected to +15 volts ac and the other side is connected to the output terminal of the lamp driver. With no input (0 volts) to the lamp driver, an internal resistor provides a resistance path to ground to maintain a warning current on the lamp even though it is not lit. When a high level logic is applied to the input to the lamp driver, the output terminal becomes a low resistance, high current path to ground for the lamp, and the lamp lights

d. Terminal 9 of all lamp driver modules is wired to LAMP TEST switch A3Z4 which applies +12 volts dc to the lamp driver module when actuated. This switches the lamp driver on to light the associated lamp.

3-26.2 Transmitter and Receiver Microcircuit Logic Elements

Some models of the paper tape punch use thick film microcircuits as interface transmitters and receivers on PC cards A1 and A5. The microcircuits are constructed similar to the microcircuit lamp drivers (para 3-26.1) but are wired to the printed circuit board through 14 terminals (1 through 14). Four types of transmitter and receiver microcircuits are supplied. Operation of each type is described as follows:

a. *Type T00023 Polar Transmitter.* Polar transmitters convert a 0 volt logic to a -6 volt output, and a +4.5 volt input to a +6 volt output. Provisions are made to AND up to three input signals to the polar transmitter. When this option is used, all inputs must be high before +6 volts is transmitted. When one or more inputs are low, -6 volts is maintained at the output. Five slightly different variations of polar transmitter microcircuit modules exist, because of different output rise and fall time characteristics and number of inputs that may be ANDed together. Inputs are ANDed by applying the signals to terminals of the microcircuit module designated as diode inputs. If the input signal is applied to the direct input terminal, the output signal switches between -6 and +6 volts as the input signal varies between 0 and +4.5 volts, as described previously. Each type of polar transmitter is identified by the basic type number (T00023) and a dash number. Power supply inputs, and input and output terminals for each dash number polar transmitter is shown below. A dash in the chart indicates no connection for that function. Terminals not listed are not used.

Function	Terminal Number T00023				
	-001	-002	-003	-004	-005
Direct input.....	14	14	14	14	14
Diode input 1.....	2	2	-	2	-
Diode input 2.....	3	3	-	3	-
Diode input 3.....	12	-	-	-	-
Output.....	8	8	8	8	8
+12 volt dc supply.....	13	13	13	13	13
-12 volt dc supply.....	1	1	1	1	1
Ground.....	7	7	7	7	7

b. *Type T00024 Polar Receiver.* Polar receivers convert a +6 volt input to 4.5 volts and a -6 volt input to 0 volts. Provision is also made to allow the receiver output to be clamped to the 0 volt output level by applying a high level on the inhibit input. Two variations of polar receiver microcircuit modules are supplied. One (T00024-001) contains two separate but identical circuits inside the module while the other (T00024-002) contains single receiver circuit. Power supply and input and output connections for the polar receivers are shown below. A dash in the chart indicates no connection for that function. Terminals not listed are not connected.

Function	Terminal Number T00024	
	-001	-002
Input No. 1.....	1	1
Output No. 1.....	11	11
Inhibit No. 1.....	13	13
Input No. 2.....	7	-
Output No. 2.....	9	-
Inhibit No. 2.....	2	-
+12 volt dc supply.....	12	12
-12 volt dc supply.....	6	6
+4.5 volt dc supply.....	10	10
Ground.....	4	4

c. *Type T00121 Neutral Receiver.* Neutral receivers convert a 0 volt input from the CCU to +4.5 volts and an open circuit input to 0 volts. In addition, some variations of the microcircuit neutral receivers have provisions, for maintaining the output at 0 volts by application of a separate inhibit signal. Four variations of neutral receiver microcircuits are supplied, with the differences being in the number of separate circuits contained in each module and inhibit levels used. Microcircuits T00121-001 and -002 contain three similar, but separate, receiver circuits, while T00121-003 and -004 modules contain only two. The T00121-002 and -004 modules also provide connections for inhibit signals. Inhibit A requires a high level to clamp the output to 0 volts and inhibit B requires a low level (0 volt) signal to maintain the 0 volt output. The chart below shows input, output, and power supply connections for the neutral receivers. A dash in the chart indicates no connection for that function. Terminals not listed are not connected.

Function	Terminal Number T00121			
	-001	-002	-003	-004
Circuit 1:				
Direct input.....	14	14	14	14
Diode input.....	12	-	-	-
Inhibit A ^a	-	-	-	3
Inhibit B ^b	-	3	-	-
Output.....	8	8	8	8
Circuit 2:				
Direct input.....	13	13	13	13
Diode input.....	2	-	-	-
Inhibit B ^b	-	4	-	-
Output.....	10	10	10	10
Circuit 3:				
Diode input.....	9	9	-	-
Output.....	6	6	-	-
+12 volt dc supply.....	11	11	11	11
-12 volt dc supply.....	1	1	1	1
4.5 volt dc supply.....	7	7	7	7
Ground.....	5	5	5	5

^a Requires high level to inhibit.

^b Requires low level to inhibit.

d. *Type T00122 Neutral Transmitter.* Neutral transmitters convert +4.5 volt logic levels 0 volts for transmission and low level inputs to an open circuit. Four variations of neutral transmitter are supplied, with each having two or three similar, but separate, circuits and diode inputs which may be connected to provide an AND function for input, output, and power supply connections for the neutral transmitters. A dash in the chart indicates no connection for that function. Terminals not listed are not connected.

Function	Terminal Number T00122			
	-001	-002	-003	-004
Circuit 1:				
Direct input.....	13	13	13	13
Diode input.....	2	2	-	2
Diode output.....	3	3	-	3
Output.....	1	1	1	1
Circuit 2:				
Diode input.....	10	-	-	-
Diode input.....	11	-	-	-
Output.....	5	-	-	-
Circuit 3:				
Direct input.....	8	8	8	8
Diode input.....	9	9	-	-
Diode input.....	6	6	-	-
Output.....	7	7	7	7
+12 volt dc supply.....	12	12	12	12
-12 volt dc supply.....	14	14	14	14
Ground.....	4	4	4	4

e. *Connection of Transmitter and Receiver Microcircuit Modules.* Transmitter and receiver microcircuit modules are connected through 14 terminals. Figure 5-1.2 shows the location of these terminals

3-26.3. Motor Stop Assembly Integrated Circuit Modules

Integrated circuit modules used on motor stop assembly PC card A5A1 are of 14 pin dual in-line construction. Terminal 14 has +4.5 VDC applied and terminal 7 is used for ground input to the module. Figure 5-1.3 shows the location of the terminals.

a. *Type 7400 Module.* Four two-input type 7400 gates are located on each type 7400 module (fig. 3-28.2). These may be either inverting AND gates for high inputs (case A) or inverting OR gates for low inputs (case B). Type 7400 gates may also act as simple inverters (case C) if both inputs are connected together.

b. *Type 7402 Module.* Four two-input type 7402 gates are located on each type 7402 module (fig. 3-28.3). These may be either inverting AND gates for low inputs (case A) or inverting OR gates for high inputs (case B). Type 7402 gates may be used as simple inverters (case C) if both inputs are connected together.

c. *Type 7410 Module.* Three three-input type 7410 gates are located on each type 7410 module (fig. 3-28.4). These may be either inverting AND gates for high inputs (case A) or inverting OR gates for low inputs (case B). Type 7410 gates may also act as simple inverters (case C) if both inputs are connected together.

d. *Type FF-7474 Module.* Two type 7474 flip-flops are located on each type FF-7474 module (fig. 3-28.5).

(1) The flip-flops can be set either by a low level at the S input or by a high level at the D input which is clocked by a positive step on the clock (CLK) input. The flip-flops can be cleared by either a low level on the C input or by a low level on the D input which is clocked by a positive step on the CLK input.

(2) Open circuits on the S, C, or D inputs are equivalent to a high level.

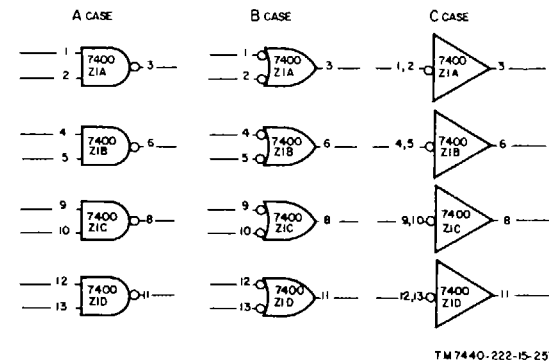


Figure 3-28.2. Type 7400 module, logic symbols.

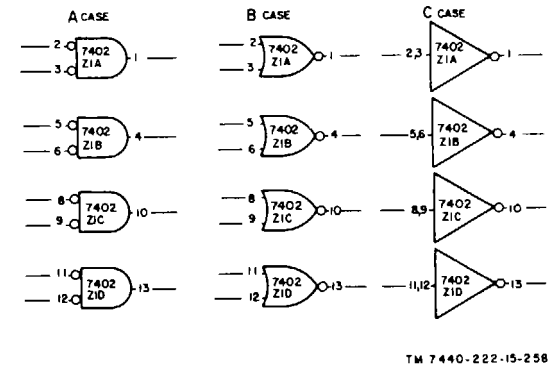


Figure 3-28.3. Type 7402 module, logic symbols.

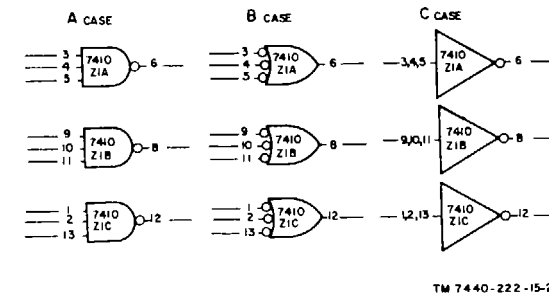


Figure 3-28.4. Type 7410 module, logic symbols.

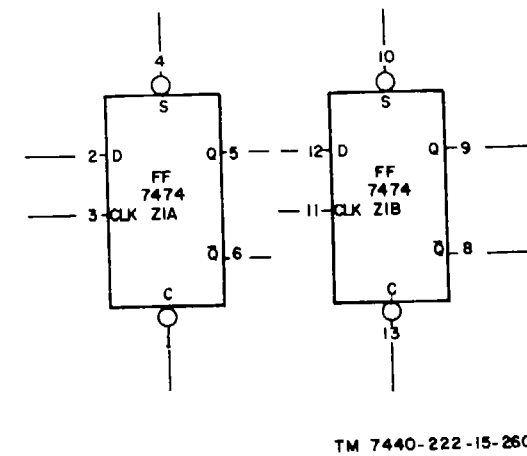


Figure 3-28.5. Type FF-7474 module, logic symbols.

3-27. Perforator Logic, Block Diagram (fig. 3-29)

The paper tape punch receives data from the CCU or keyboard, punches the data in a tape in one of two possible code formats, and feeds the tape through the punch mechanism. Processing of the data, control of the punch operation, and control of tape feeding are performed by logic circuits contained within the paper tape punch logic circuits.

3-28. Timing Control

a. When the paper tape punch is turned on, and if the mechanical and electrical systems are functioning correctly, then one mode of operation out of three (CCU, keyboard, or local test) can be initiated at one time. Since these three modes of operation interlock each other, any one mode which first gains control of the paper tape punch retains the control until that mode is terminated. The mode selecting signals from the CCU and keyboard, the NOT ASSIGNED and UK INTERLOCK signals respectively. For the local test mode, depression of the LOCAL TEST switch on the front panel is necessary. The interface logic circuits react to the select signal from the CCU or keyboard, with the generation of data request signal. The data request signal is routed through the transmitter interface to the CCU or keyboard (whichever is in control). The system in control then transmits data bits accompanied by a data strobe. The external data strobe enables the generation of an internal data strobe which, in turn, initiates a punch cycle.

b. Basically, during a punch cycle the data is interpreted, punched in the tape, and the tape is advanced. All the timing functions required for each of these operations are developed within the timing control circuits of the paper tape punch. Therefore, the only external timing is the data strobe which starts each punch cycle.

c. The timing control circuits consist of two independent clock pulse generators, a counter, and a decoder. Two clock pulse generators are required since the perforator and the printer interpreter can operate in conjunction or independently of each other. When the systems are operating in conjunction with each other, the same clock pulse generator is used to provide synchronization.

Synchronization is required as the perforator supplies the printer interpreter with advance pulses. The advance pulses supplied in this fashion insure that the tape moves through the printer interpreter at the same rate as through the perforator. When the two systems are operating in conjunction with each other, after a punch cycle is initiated by the internal data strobe, the timing counter registers the clock pulses. When specific counts occur, the timing decoder generates the appropriate timing pulse required during the punch cycle. The entire punch cycle covers 256 counts during a 53.3-ms time period. When the systems are operating independently of each other there is no exchange of timing signals. Each system uses a different clock pulse generator. When operating independently, the punch cycle proceeds at a more rapid rate. The entire punch cycle covers 64 counts during a 13.3-ms time period.

d. When a punch cycle is started it must continue until completion. If a data strobe is received before the completion of a punch cycle, the cycle is not interrupted; instead, the data strobe is stored and immediately on the count of 256, a new punch cycle is initiated. If, by the time a punch cycle is completed, another data strobe is not received, the timing control circuits remain in a ready condition but another punch cycle is not initiated.

e. At a prefixed time in a punch cycle, a signal is generated to request the data for the next column. Unless the data request signal is generated the CCU or keyboard does not send data strobes and data. During the shift between letters and figures in the ITA-2 operation, the data request signal is intentionally inhibited, for this shift operation requires more than one punch cycle. The additional punch cycles are initiated by an internally generated signal.

3-29. Data Inputs (Fig. 3-30)

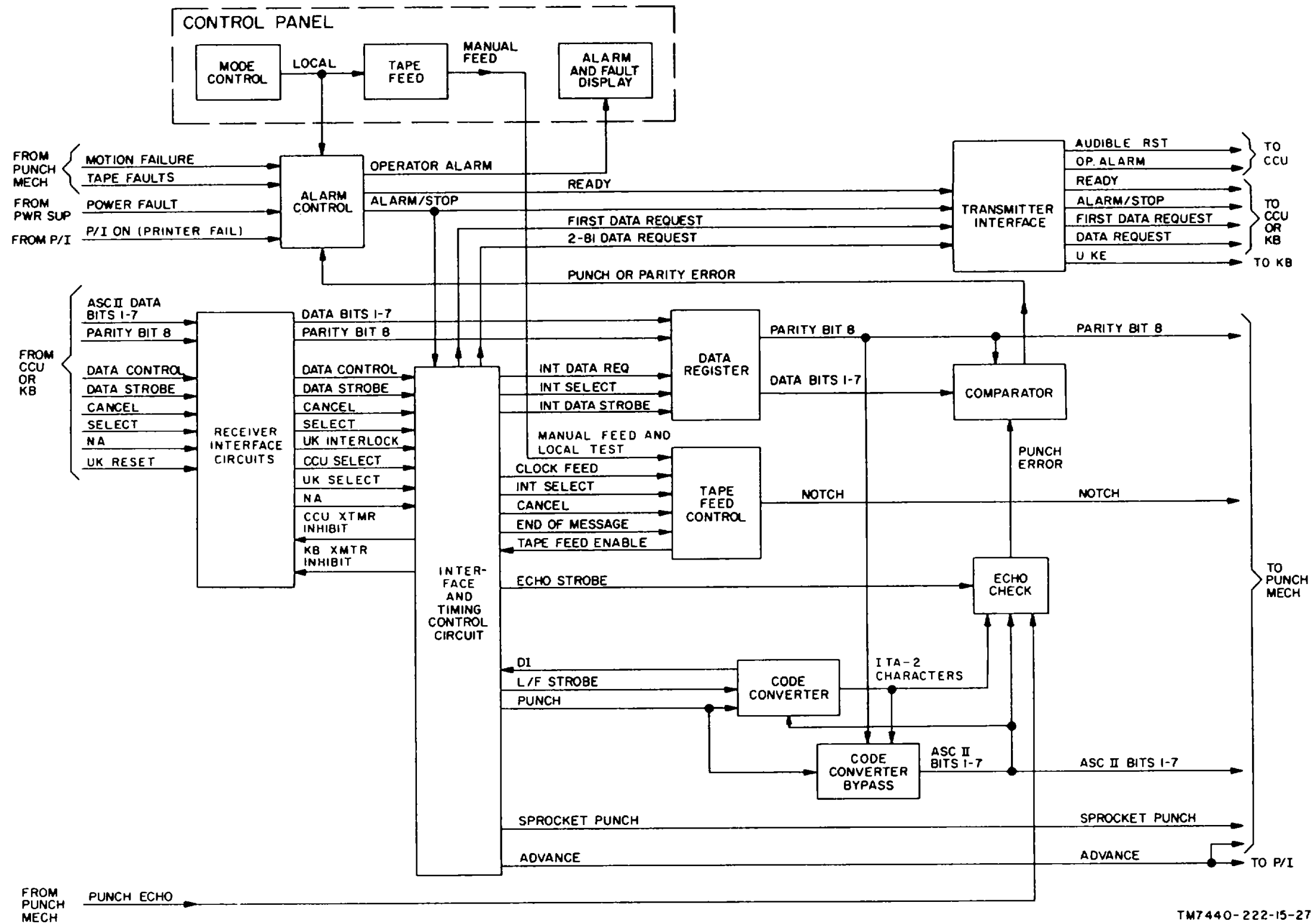
a. The data received from the CCU or keyboard, through the receiver interface, is in response to the data request from the paper tape punch. The data request signal is a function generated at a specific time during a punch cycle. Therefore, if the CCU and paper tape punch are operating at maximum speed while a punch cycle is in progress, data for the next punch cycle is received and stored. The next punch cycle starts immediately after the completion of the previous cycle.

b. The data is received one column at a time in the ASCII code consisting of eight data bits. Data bits 1 through 7 identify a character and the eighth data bit is for parity. The data is strobed into a data register by the internally generated data strobe and, after punching occurs, the data register is cleared of the punched data by the internally generated data request signal. While the data is in storage, it is compared for odd parity. After punching occurs, and before the data register is cleared, the data contained is compared against punch echo signals. The comparison is performed to determine if the data stored in the register and the data punched in the tape are identical. If the comparison is false, a punch error signal is routed to the alarm circuits, causing the generation of an alarm signal which is displayed on the control panel.

3-30. Code Conversion

All data bits identifying a character are received in the ASCII code. However, the paper tape punch has the option of using the ASCII representation for punching purposes, or converting the ASCII representation to an ITA-2 code representation for punching purposes.

a. If the operational mode requires the ASCII representation of a message, then the code converter is isolated and the data is fed from the data register directly to the code converter bypass and the ASCII code is punched. If the operational mode requires the ITA-2 representation of a message, the code converter bypass is isolated and the data bits are routed through the code converter.



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Figure 3-29. Perforator logic, block diagram.

NOTE: READY and SELECT signals shown are prior to inversion by interface transmitter and receivers.

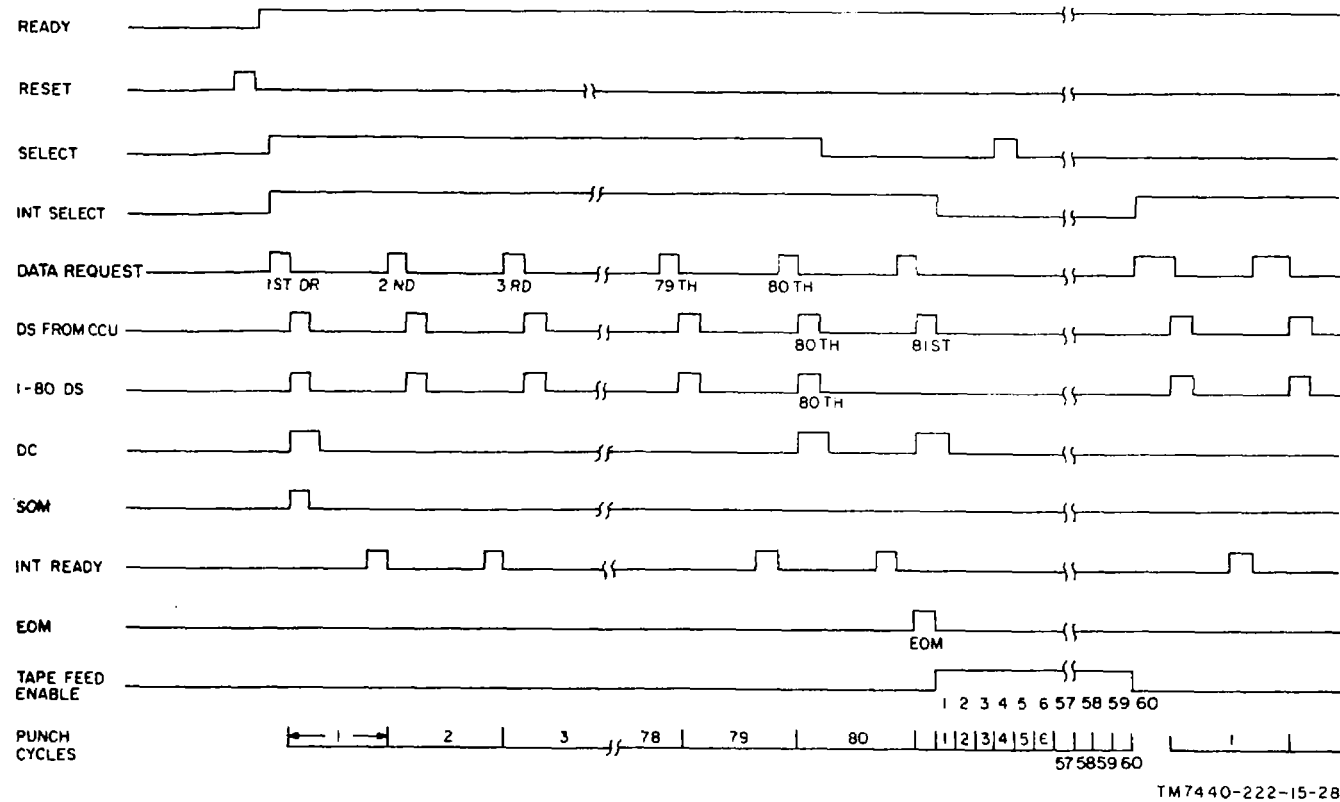


Figure 3-30. Input-output interface timing diagram.

b. When the ASCII code is used, a character is punched during every punch cycle that occurs. However, when the ITA-2 code is used due to the limitation of the ITA-2 code, certain characters require two punch cycles. Due to this requirement, the code converter generates, when necessary, a data inhibit signal. This signal prevents the generation of a data request signal and also initiates a second punch cycle.

3-31. Tape Advance

a. During a message, the tape is advanced after each column is punched. The tape is set in motion by an internally generated advance signal applied directly to the tape solenoid driver. The advance signal is generated once during each punch cycle and is maintained for a specified duration. The duration is of sufficient length to allow motion of the tape from one column to the next column. Tape motion is then discontinued until the advance signal is generated during the next punch cycle.

b. When the message in progress is completed, or if a cancel signal is received, the signals are applied to a tape feed control which then generates a tape feed enable signal. This signal continuously initiates punch cycles, causing the continuous generation of advanced pulses which, in turn, causes the tape to advance column by column until a predetermined number of blank columns has been fed out. When this requirement is satisfied, the tape feed enable signal is inhibited and normal operation resumes. Also, the tape feed enable signal inhibits the generation of data request signals during tape feed.

3-32. Receive Interface Circuits

a. All control signals between the CCU or keyboard and the low speed paper tape punch between levels of -6.2 and +6.2 volts (polar) and 0 and + 6.2 volts (neutral). These signals are generated by transmitter circuits in the CCU or keyboard with high frequency components (sharp turn-on, turnoff) removed to minimize rfi problems in the cables. The receive interface circuits provide an impedance match for the signals, convert them to the tape punch logic format (+4.5 volts active and 0 volt inactive), and restore the sharp turn-on, turn-off required for reliable logic operation in the paper tape punch.

b. The receive interface circuits consist of two identical receivers for each control signal and data bit. Two receivers for each control signal are required since either the CCU or the keyboard can operate with the paper tape punch. However, only one of each pair of receivers is operable during a punching operation. The other receiver is disabled by an inhibit signal from

the type punch logic circuits. For example, when the CCU is in control of a punching operation, control signals cannot be received from the keyboard. The output of each pair of receivers is passed through an OR gate to the, tape punch logic circuits.

c. The receive interface circuits for the control signals from the CCU consist of interface receivers (H), (K), (N), (P), (R), and (T) on PC card A1A1 (fig. 8-5), and interface receivers (G), (J), (L), (N), (Q), (S), and (U) on PC card A1A2 (fig. 8-6). Interface receivers (G) and (H) provide level shifting and inversion, converting inputs of 0 volt to outputs of +4.5 volts and inputs of +6.2 volts to outputs of 0 volt. The remaining interface receivers provide level shifting, without inversion. Thus, a positive received data bit 1 through 8 (CDB1 through CDB8), data control (CDC), data strobe (CDS), cancel (CCAN), or select (CSEL) results in a corresponding positive output pulse. The inhibit signal from the tape punch logic circuits is amplified by current driver (W).

d. The receive interface circuits for the control signals from the keyboard consist of interface receivers (G), (J), (L), (N), (Q), (S), and (U) on PC card A1 (fig. 8-5), and interface receivers (H), (K), (M), (P), (R), and (T) on PC card A2 (fig. 8-6). Interface receivers (G) and (H) operate in the same way as interface receiver (H) described in c above, except that the inhibit line is used. The remaining interface receiver receives the same signals (from the keyboard) and operates in the same way as the interface receivers described in c above. The inhibit signal from the paper tape punch is amplified by current driver (V).

3-33. Status Indicators

Indicators on the paper tape punch control panel provide a visual indication of the status of the perforator and the printer interpreter. The color of the indicators informs the observer that the systems are: ready to operate but are not yet in a particular mode of operation (green indicator), operating in a particular mode (white), or not ready to operate (red).

a. *Perforator START Indicator (Green Lamp).* The green lamp of the perforator START indicator (B, fig. 2-1) lights when the perforator is in the start mode, when a message is ended, or upon cancellation of a message.

(1) When the START indicator is pressed, a positive start reset pulse is applied to the clear side of latch Z6 on pc card A1A4 (fig. 8-8). The resulting low level from the 1 output is routed to AND gate Z2B. If there are no fault conditions, the remaining input to this AND gate is a low level. The AND gate is enabled, producing a high level output which illuminates the green START indicator lamp.

(2) If an end of message or cancel signal is received, the high levels identifying these signals are passed through OR gate Z11B, producing the same results as in (1) above.

(3) After a keyboard mode or CCU mode of operation is terminated, the green lamp lights. Since the modes are terminated, AND gate Z12B has the required low level inputs. The AND gate is enabled and produces a high level output. The green lamp is illuminated as described in (1) above.

b. *Perforator START Indicator (White Lamp).* The white lamp of the perforator START indicator (B, fig. 2-1) lights when the paper tape punch is in the CCU or keyboard mode of operation. In either case, a high level due to the mode of operation is passed through OR gate Z11A to AND gate Z7B. This AND gate is conditioned by a high level select signal which is the result of selection of the paper tape punch by the keyboard or CCU. The AND gate is enabled and the resulting high level output sets latch Z6. The low level from the 1 output of the latch is applied to AND gate Z2A. If there are no fault conditions, the remaining input to this AND gate is a low level. Thus, the AND gate is enabled, resulting in a high level output which lights the white lamp.

c. *Perforator START Indicator (Red Lamp).* The red lamp of the perforator START indicator (B, fig. 2-1), lights when the paper tape punch is in the stop condition. When the stop condition exists, the ready signal from the ready generator is dropped to a low level. The low level is applied to AND gate Z18A on PC card A1A10 (fig. 8-13). The remaining input to the AND gate is a low level unless a local test mode is in operation. The AND gate is enabled and produces a high level which lights the red lamp.

d. *Printer Interpreter START Indicator (Green Lamp).* The green lamp of the printer interpreter START indicator (A, fig. 2-1) lights when the perforator and the printer interpreter are operating in conjunction with each other (slaved (dependent) operation). At this time, the green lamp of the perforator START indicator is lighted also. When these conditions are present, a high level from the slave monitor circuit is passed through OR gate Z17B on PC card A1A10 (fig. 8-13) to AND gate Z5B. The remaining input is a high level if the green lamp of the perforator START indicator is lighted. If the inputs are present, AND gate Z5B is enabled. The resulting high level output is passed through OR gate Z9B to light the green lamp of the printer interpreter START indicator.

e. *Printer Interpreter START Indicator (White Lamp).* The white lamp of the printer interpreter START indicator is operating either independently of the perforator, or in conjunction with the perforator.

(1) When the printer interpreter is operating independently, a low level from the slave monitor appears at the input to AND gate Z22B on PC card A1A10 (fig. 8-13). When the printer interpreter START indicator is pressed a positive pulse sets latch Z15. A low level from the 0 output enables AND gate Z22B. The resulting high level is passed through OR gate Z26B to light the white lamp of the printer interpreter START indicator.

(2) When the printer interpreter is operating in conjunction with the perforator, a high level from the slave monitor is passed through OR gate Z17B to the input of AND gate Z27A. The remaining input is high level when the perforator is in operation. Then the AND gate produces a high level which is passed through OR gate Z26B to light the white lamp of the printer interpreter START indicator.

f. Printer Interpreter START Indicator (Red Lamp). The red lamp of the printer interpreter lights when the printer interpreter is not operating (either independently or in conjunction with the perforator).

(1) When the printer interpreter is operating in conjunction with the perforator a low level from the ready control circuit appears on the input to AND gate Z18B. When the system is not in a local test mode, the remaining input is a low level. The AND gate produces a high level output which lights the red lamp of the printer interpreter START indicator.

(2) When the printer interpreter is operating independently, a low level from the slave monitor appears at the input to AND gate Z22A on PC card A1A10 (fig. 8-13). When the positive printer interpreter stop signal sets the latch Z15, a low level from the 0 output enables AND gate Z22A. The AND gate produces a high level which is passed through OR gate Z26A to light the red lamp of the printer interpreter START indicator.

3-34. Ready Control

When the paper tape punch is not in a local mode of operation, and no mechanical or electrical faults exist, the ready control circuit generates a ready signal. The ready signal, routed to the CCU or keyboard, indicates that the paper tape punch is conditioned to accept messages.

a. Ready Signal to CCU. The ready signal to the CCU is generated on PC card A1A10 (fig. 8-13). The ready signal remains a high level for the duration of a message, unless a fault condition occurs or a stop signal appears.

(1) When the perforator START switch Z7 on the control panel is pressed, a positive pulse is applied to the clear input of latch Z20 in the ready control circuit. The resulting positive pulse from the 0 output of the latch is gated through AND gate Z27B by a high level from LOCAL TEST switch Z9. (The output from the LOCAL TEST switch is a high level unless the paper tape punch is in local test mode of operation.) The positive pulse from AND gate Z27B sets latch Z24. The high level from the 1 output of the latch is passed through OR gate Z23B to the CL input of flip-flop Z10.

(2) When START switch Z7 is released, a high level from the normally closed contacts sets latch Z20. The low level from the 0 output inhibits AND gate Z27B, removing the high level input to the set side of latch Z24. The high level from the START switch is simultaneously applied to the clear side of latch Z24B. The negative transition of the high level through OR gate Z23B to the CL input of flip-flop Z10 toggles the flip-flop to the clear state. The resulting high level from the 0 output of the flip-flop is the ready signal to the CCU.

(3) When the perforator and the printer interpreter are operating in conjunction (slaved), the ready digital is generated when the printer interpreter START switch is pressed. A high level from the normally open contacts of the switch clears latch Z15. The resulting high level from the 0 output of the latch is gated through AND gate Z25B. The remaining inputs to this AND gate are high since a slaved operation is in effect and the LOCAL TEST switch is not depressed. The high level output clears latch Z19 which introduces a high level from the 0 output. This high level is routed through OR gate Z23B to the CL input of flip-flop Z10. When the printer interpreter START switch is released, a high level from the normally closed contacts sets latch Z19. The negative transition of the high level from the 0 output, through OR gate Z23B to the CL input of flip-flop Z10, toggles the flip-flop to the clear state. The resulting high level from the 0 output is the ready signal to the CCU.

(4) If a stop signal appears from the fault stop monitor circuit, a positive pulse is applied to the direct set input of flip-flop Z10. The flip-flop is set and the high level ready signal to tire CCU is no longer generated.

b. Ready Signal to Keyboard. The ready signal to the keyboard is generated on PC card A1A11 (fig. 8-14). The ready signal is possible if no other mode of operation is in effect. The ready signal remains a high level for the duration of the message, unless a fault condition occurs.

(1) If no other mode of operation is in effect, it high level stmt. reset signal from PC card A1A10 is applied to the set input of latch Z8. The resulting low level from the 0 output conditions AND gate Z11B. If there, is no fault condition (except parity and punch fault), the remaining input to the AND gate is a low level. The AND gate produces a high level ready signal to the keyboard.

(2) If a manual stop condition occurs, a high level from the stop monitor circuit clears latch Z8. The resulting high level from the 0 output disables AND gate Z11B. Thus, the ready signal to the keyboard is discontinued.

3-35. Stop Monitor

The stop monitor located on PC card A1A10 (fig. 8-13) detects the appearance of various fault conditions which require a termination of operation.

a. If a fault 3 error condition occurs, a high level is passed through OR gate Z11A to the ready control generator which terminates the ready signal. similarly, if a keyboard stop condition occurs, a high level is differentiated by differentiator C1 and R10. The resulting positive pulse is passed through OR gate Z11A to the ready control generator.

b. If a slave mode of operation is in effect, a high level from the slave monitor circuit conditions AND gate Z3B.

(1) If the printer interpreter fails, a printer fail signal from the printer logic is passed through OR gate Z4A to AND gate Z3B. The AND gate is enabled resulting in a high level output- which is passed through OR gates Z7B and Z11A successively. The high level is routed to the ready control generator.

(2) If the printer interpreter STOP switch is pressed, a positive pulse from the normally open contacts is passed through OR gate Z4A. The results are the same is discussed in (1) above. In addition, the positive pulse is routed through OR gate Z4A to the ready control generator. This prevents the generation of a ready signal when the STOP switch is released.

(3) If the perforator STOP switch is pressed a positive pulse from the normally open contacts is inverted by inverter Z28B. The resulting negative pulse enables AND gate Z28B (The remaining input to the AND gate is a low level due to the slave mode.) The AND gate produces a positive pulse which is passed through OR gate Z4A with the same results as described in (1) above. If the slave mode is not in effect and the perforator STOP switch is pressed, the resulting positive pulse is routed through OR gate Z7B and OR gate Z11A successively. The positive output, pulse from OR gate Z11A is routed to the ready control generator.

3-36. Alarm Reset Control

When the CCU mode of operation is in effect, an alarm stop condition will cause an audible alarm at the CCU. The audible alarm is discontinued by pressing AUDIBLE RESET sw itch Z1 on the perforator control panel (B, fig. 2-1).

a. When switch Z1 is pressed, a high level from the normally open contacts is applied to the set input of latch Z5 on PC card A1A11 (fig. 8-14). The resulting high level from the 1 output of the latch is routed to the CCU alarm circuit to reset the circuit and discontinue the alarm.

b. In addition, the high level from the 1 output is delayed momentarily by relay network R10 and C1. After the delay, the high level sets latch Z9. The resulting high level from the 1 output clears latch Z5, discontinuing the alarm reset signal. Therefore, air audible alarm could not be prevented by holding switch Z1 in a pressed condition since the reset pulse is momentary.

c. When the switch Z1 is released, a high level from the normally closed contacts clears latch Z9. Another reset pulse is generated by pressing the switch again.

3-37. First Data Request

The first block in a message is started by the generator of a first data request signal. This signal, transmitted to the CCU, or keyboard, is a request for the first character in the block.

a. When the paper tape punch is initially turned on, a positive power on reset pulse sets flip-flops Z14 and Z13, and clears flip-flop Z15 on PC card A1A4 (fig. 8-8). The first data request is generated by enabling AND gate Z10B, which requires low levels on the three input lines. After the reset pulse appears, one input is low since it is wired to the 0 output of flip-flop Z14.

b. When the paper tape punch is selected by the CCU or keyboard, a positive pulse is passed through OR gate Z16A. The pulse is applied to the direct set input of flip-flop Z15. The resulting low level from the 0 output conditions AND gate Z10B. If the perforator START switch is pressed, the remaining input to AND gate Z10B is a low level. The AND gate is enabled, thus generating the first data request signal.

c. The first data request is terminated by the appearance of a data strobe which accompanies the data bits representing the first character. The positive data strobe clears flip-flop Z13. The resulting high level from the 0 output of the flip-flop is passed through OR gates Z13 and Z9A, successively, to AND gate Z10B. Tire high level disables AND gate Z10B, discontinuing the generation of the first data request.

d. The positive first data request signal is, in addition to being transmitted to the CCU or keyboard, routed to the K input of flip-flop Z14. Thus, when AND gate Z10B is disabled, the resulting negative transition of the first data request toggles flip-flop Z14 to the clear state. Therefore, no further first data request signals can be generated since the high level from the 0 output of flip-flop Z14 inhibits AND gate

Z10B. Once cleared, flip-flop Z14 can be set only by a positive pulse from OR gate Z16B generated by a cancel signal from AND gate Z4A or by an end of block signal from AND gate Z24B. Thus only one first data request is generated for each 80 character block of data. (Para. 3-41e)

3-38. Internal Data Request

Internal data requests are generated every punch cycle in order to clear the data register of the data stored during the cycle. The data register is then prepared to accept the data for the next punch cycle.

a. After punching occurs, during the first punch cycle, a positive ready pulse from the timing decoder is gated through AND gate Z8B on PC card A1A4 (fig. 8-8) by a high level data inhibit signal. (When the ASCII code is punched, the data inhibit signal remains high for the entire message; when the ITA-2 code is punched, the data inhibit signal changes levels as described in paragraph 3-77.) The positive output pulse from AND gate Z8B passes through OR gate Z18B to the CL and J inputs of flip-flop Z13. The flip-flop, which is in the clear state due to the first data strobe, is now toggled to the set state. The resulting low level from the 0 output passes through OR gates Z9B and Z9A, successfully, to AND gate Z26A. The AND gate is enabled and generates a positive internal data request signal. The internal data request is inhibited if a fault or tape feed condition is present.

b. The data strobe appearing during the next punch cycle is applied to the direct clear input of flip-flop Z13. The flip-flop is cleared and the internal data request is terminated. After punching, the ready pulse again sets the flip-flop. Thus, the internal data request is again generated. The process is continually repeated during each punch cycle in a message.

3-39. Subsequent Data Request

After the first data request, a data request is generated at the conclusion of each punch cycle. The data requests, transmitted to the CCU or keyboard, are requests for the data to be punched during the next punch cycle. Each subsequent data request is generated at the same time as and internal data request and is of the same duration.

a. After the first data request flip-flop Z14 on PC Card A1A4 (fig. 8-8) is in the clear state and flip-flop Z15 is in the set state (para 3-37). The low level from the 1 output of flip-flop Z14 and the low level from the 0 output of flip-flop Z15 condition AND gate Z10A.

b. When an internal data request occurs at the conclusion of the first punch cycle, the negative pulse from OR gate Z9A enables AND gate Z10A. The AND gate generates a positive data request signal.

At the conclusion of the internal data request, the high level from OR gate Z9A inhibits AND gate Z10A. Thus, the data request signal is terminated.

The process is continuously repeated for each punch cycle in a message.

3-40. Internal Data Strobe

Internal data strobes are required to initiate punch cycles. Prior to each punch cycle, a positive data strobe accompanied by data bits is received from the CCU or keyboard. At this time, the data is stored in the data register. At the conclusion of the data strobe, the negative data strobe level enables AND gate Z17A on PC card A1A4 (fig. 8-8). The negative output level is applied to AND gate Z17B. As long as the paper tape punch remains selected by the CCU or keyboard and no cancel command is received, the remaining inputs to AND gate Z17B are low levels. The AND gate is enabled and produces a positive internal data strobe, which is routed to the timing control to initiate a punch cycle.

3-41. Start of Message and End Of Message

a. When the paper tape punch is initially turned on a positive reset pulse from the power supply is passed through OR gate Z22A on PC Card A1A4 (fig. 8-8) to the set input of flip-flop Z27. The resulting low level from the 0 output conditions AND gates Z23B and Z26B. The first character in a message is accompanied by a positive data strobe and a positive data control pulse. The data strobe inhibits AND gate Z17A and the data control pulse inhibits AND gate Z28B. The resulting low level output from each AND gate is applied to AND gate Z23B. The required inputs to the AND gate are satisfied, resulting in a positive start of message pulse.

b. Simultaneously, the low level from AND gate Z17A enables AND gate Z26B, resulting in a positive output pulse. This pulse is routed to the K and CL inputs of flip-flop Z27. Upon the termination of the data strobe, AND gate Z17A is enabled. The resulting high level output inhibits AND gate Z26B. Thus, the output of AND gate Z26B becomes a low level. The negative transition of the output causes flip-flop Z27 to change to the clear state. The high level from the 0 output disables AND gate Z23B, discontinuing the start of message signal.

c. Flip-flop Z27 is set again by the first data request of the next block of the message. Therefore, AND gate Z23B is again conditioned. However, since the data control signal is not present, AND gate Z23B is prevented from producing another start of message signal.

d. When flip-flop Z27 is cleared at the start of a message, the low level from the 1 output is applied to AND gate Z28A. Due to the presence of the data strobe and data control signals, the low levels from AND gates Z17A and Z28B enable AND gate Z28A. The resulting high level is applied to the K and CL inputs of flip-flop Z25. When the data control signal is no longer present, AND gate Z28A is disabled. The negative transition of the output changes flip-flop Z25 to the clear state. The low level from the 1 output of the flip-flop conditions AND gate Z24A.

e. The end of a block is identified by the appearance of a second data control signal occurring at the time of the 80th data strobe. Negative outputs from AND gates Z17A and Z28B are inverted and applied to the K and CL inputs of flip-flop Z25 through AND gate Z24B. When the data strobe signal is terminated, flip-flop Z25 will be cleared developing a low output to partially enable AND gates Z24A and Z2B. When the gist data strobe is received acknowledging receipt of a good block of data, a positive pulse is developed by AND gate Z24B enabling flip-flop Z14 to be set through OR gate Z16B. If a data control level is also received with the 81st data strobe to signify end of message, AND gate Z24A will develop an END OF MESSAGE pulse. At the end of each block, flip-flops Z17, Z25, and Z1 are all set by the high level output of AND gate Z10B FIRST DATA REQUEST signal.

3-42. Mode Inhibit Control

The mode inhibit control circuit on pc card A1A11 (fig. 8-14) prevents the simultaneous functioning of the various modes of operation. Only one mode of operation can function at a time. Therefore, the first mode selected enables the mode inhibit control to prevent the selection of a second mode.

3-43. Local Test Mode of Operation

When the local test mode of operation is the first to be selected, the mode inhibit control enables the local test mode and inhibits both the CCU mode and the keyboard mode.

a. Since the CCU mode is not selected, a high level not assigned signal from the CCU is applied to the clear side of latch Z27 on PC card A1A11. The resulting high level is routed back to the CCU to inhibit transmission. In addition, the high level not assigned signal is simultaneously inverted by inverter Z26A. The resulting low level conditions AND gate Z25A.

b. Since the keyboard mode is not selected, a low level keyboard enable signal from the keyboard is inverted by inverter Z22A and applied to the set side of latch Z28. The resulting high level from the 1 output of the latch inhibits the operation of the keyboard. In addition, the low level keyboard enable signal simultaneously conditions AND gate Z25A.

c. The final input to AND gate Z25-A is developed in the ready control circuit. When the system is ready for operation, a low level enables AND gate Z25A. The AND gate produces a high level which is applied to the set input of flip-flop Z14.

d. High levels from the normally closed contacts of perforator START switch Z7 and printer interpreter START switch Z10, on the control panel condition AND gate Z16A. When the local test is to begin, LOCAL TEST switch Z9 is pressed. A positive pulse from the normally open contacts is applied to the set input of latch Z14. The resulting positive pulse from the 1 output of the latch is gated through AND gate Z16A to the clear input of latch Z15. The latch produces a high level from the 0 output which is applied to the CL input of flip-flop Z14. When the LOCAL TEST switch is pressed, a high level from the normally closed contacts clears latch Z19, removing the positive input to the clear side of latch Z15 through AND gate Z16A. Simultaneously, the high level from the switch is routed to the set side of latch Z15. This results in a negative transition of the high level from the 0 output. The negative transition toggles flip-flop Z14 to the set state. Thus, a high level local test signal is routed to the logic circuitry and to the LOCAL TEST indicator on the control panel.

e. In addition, the high level from the 1 output of flip-flop Z14 inhibits AND gates Z26B and Z22B. As stated in a and 3 above, latch Z27 is initially cleared and generating a CCU inhibit signal; latch Z28 is set and generating a keyboard inhibit signal. In order to set latch Z27, AND gate Z26B must be enabled. However, the high level from flip-flop Z14 prevents this; thus, even if a CCU assigned signal is received, latch Z27 cannot be set. Therefore, the CCU inhibit signal cannot be terminated when a local test mode of operation is in effect. Similarly, the keyboard inhibit signal is maintained by inhibiting AND gate Z22B. Thus, latch Z28 cannot be cleared while a local test mode of operation is in effect.

f. The local test mode is terminated by a fault condition or a manual stop. In the event of a fault condition (motion fail, punch or parity, or fault 2), a high level is passed through OR gates Z7B and Z7A successively. The high level is applied to the direct clear input of flip-flop Z14. The flip-flop is cleared, thus concluding the local test mode. If a manual stop condition occurs, the stop control circuit generates a high level which is routed through OR gate Z7A to the direct clear input of flip-flop Z14.

g. When power is applied to the paper tape punch, a high level from the -48-volt de power supply is passed through OR gate Z6A and Z7A successively, to the direct clear input of flip-flop Z14. If the master reset button on the logic assembly is pressed, a negative pulse from the normally closed contacts is gated through AND gate Z25B. The other inputs to this AND gate are low levels since the local test mode of operation is in effect and the CCU did not assign the paper tape punch. The AND gate produces a positive pulse which is passed through OR

gates Z6A and Z7A successively. The positive pulse is applied to the direct clear input of flip-flop Z14.

3-44. CCU Mode of Operation

When the CCU mode of operation is the first to be selected, the mode inhibit control enables the CCU mode and inhibits both the local test and the keyboard modes.

a. Since the keyboard mode is not selected, a low level keyboard enable signal from the keyboard is inverted by inverter Z27A on PC card A1A11 (fig. 8-14), and applied to the set side of latch Z28. The resulting high level from the 1 output inhibits the operation of a keyboard mode. In addition, the low level from the 0 output of latch Z28 conditions AND gate Z26B.

b. Since the local test mode is not selected, flip-flop Z14 is in the clear state. The low level from the 1 output conditions AND gate. Selecting the CCU mode results in a low level not assigned signal which enables AND gate Z26B. The resulting high level output sets latch Z27. In the set state, latch Z27 does not generate CCU transmit inhibit signal. Thus, the CCU mode of operation is enabled. In addition, the high level from the 1 output of latch Z27 disables AND gate Z22B. Therefore, latch Z28 cannot be cleared and the resulting keyboard inhibit signal is present for the entire CCU mode of operation.

c. The low level not assigned signal indicating a CCU mode of operation is present for the entire mode. The signal is inverted by inverter Z26A to a high level which disables AND gate Z25A. Since the AND gate cannot be enabled, flip-flop Z14 cannot be set; thus, a local test mode of operation is prevented while a CCU mode of operation is in effect.

3-45. Keyboard Mode of Operation

When the keyboard mode of operation is the first to be selected, the mode inhibit control enables the keyboard mode and inhibits the local test and CCU modes.

a. Since the CCU mode is not selected, the high level not assigned signal clears latch Z27 on PC Card A1A11 (fig. 8-14). The resulting low level from the 1 output conditions AND gate Z27B, while the high level from the 0 output inhibits a CCU mode of operation.

b. Since the local test mode of operation is not selected, flip-flop Z14 is in the clear state. The low level from the 1 output conditions AND gate Z22B. Selecting the keyboard mode of operation results in the appearance of a high level keyboard enable signal. The signal is inverted by inverter Z22A, resulting in a low level which enables AND gate Z22B. The AND gate produces a high level which clears latch Z28. In the clear state, latch Z28 does not generate a keyboard transmit inhibit signal. Thus, the keyboard mode of operation is enabled. In addition, the high level, from the 0 output of latch Z28, disables AND gate Z26B. Therefore, latch Z27 cannot be set and the resulting CCU inhibit signal is present for the entire keyboard mode of operation.

c. The high level keyboard enable signal, present for the entire mode, disables AND gate Z25A. Since the AND gate cannot be enabled, flip-flop Z14 cannot be set. Therefore, a local test mode of operation is prevented while a keyboard mode of operation is in effect (fig. 8-14), and applied to the set 3-46. Slave Monitor The slave monitor circuit located on pc card A1A10 (fig. 8-13) controls the switching of the perforator between independent operation (operation without the printer interpreter) and slave operation (operation with the printer interpreter).

3-47. Independent Operation

When the perforator is operated independently, punching can progress at a more rapid rate. Therefore, it is not necessary to use the full capacity of the timing counter in order to generate the signals required during a punch cycle. Switching the time direction of a punch cycle is accomplished in the following manner.

a. When the paper tape punch is initially turned on, the positive power on reset pulse is applied to the direct set input of flip-flop Z6. The resulting high level from the 1 output conditions AND gate Z13.

b. When the paper tape punch is initially turned on, in a positive power reset pulse is applied to the direct set input of flip-flop Z6. An independent mode of operation is accomplished by pressing PRINT INDEPENDENT switch Z5 (B, fig. 2-1). The normally open contacts are closed which applies a high level to the clear side of latch Z2. The resulting high level from the 0 output is routed to the C1, input of flip-flop Z6. When the PRINT INDEPENDENT switch is released, a high level, from the normally closed contacts, sets latch Z2. The resulting low level from the 0 output toggles flip-flop Z6 to the clear state. The resulting high level from the 0 output conditions AND gate Z13A.

c. Approximately 13.6 ms from the start of a punch cycle, the timing counter control circuit generates a 75 end of count 18.75 partial count pulse which is gated through AND gate Z13A and OR gate Z17A. The positive output pulse from the OR gate clears the timing counter, completing the punch cycle. Therefore, each punch cycle requires only 13.6 ms for completion.

d. The printer interpreter is also independently operable during the independent operation. If the printer interpreter START switch Z10 is pressed, at high level from the normally open contacts clears latch Z15. The resulting low-level from the 1 output is routed to AND gate Z16B. A second input to this AND gate is from the 1 output of flip-flop Z6. Since the flip-flop is in the clear state, the 1 output is a low level. Clock; pulses front tire independent clock pulse generator are gated through AND gate Z16B and OR gate Z16A to provide stepping pulses for the printer interpreter. Separate stepping pulses are required as the perforator is tape feeding at a faster rate than the printer interpreter.

e. In addition, the low level from the 1 output Of latch Z15 is applied to AND gate Z22B. A second input to this AND gate is the low level from the 1 output of flip-flop Z6. The AND gate is enabled, resulting in a high output level which is routed through OR gate Z2613 to light the white lamp of the printer interpreter START indicator.

3-48. Slave Operation

When the perforator is operated in conjunction with the printer interpreter, each punch cycle is of 1 longer duration.

a. The perforator is slaved with the printer interpreter by pressing the PRINT INDEPENDENT switch. The high level from the normally opened contacts sets latch Z2, and the resulting high level from the 0 output is applied to the C1, input of flip-flop Z6. When the print independent switch indicator is released a high level from the normally closed contacts clears latch Z2. The resulting low-level from the 0 output sets flip-flop Z6.

b. The high level from the 1 output of flip-flop Z6 conditions AND gates Z13B and Z5A. Approximately 13.6 ms from the start of a punch cycle, the 75 end of count. 18.75 partial count out signal from the timing counter is gated through AND gate Z5A and OR gate Z9A. The output from the OR gate enables the counter to continue the punch cycle in progress. When the counter reaches a full count in, approximately 53.6 ms the counter generates the 18.75 end of count signal. This signal is gated through AND gate Z13A and OR gate Z17A to clear the counter. Thus, a punch cycle during slave operation requires a 56.3-ms time duration.

c. In addition, the low level from the 0 output of flip-flop Z6 conditions AND gate Z12A. Whenever the perforator generates an advance signal, the signal is gated through AND gate Z12A and OR gate Z16A to step the printer interpreter. Thus, the perforator and the printer interpreter are synchronized to advance the tape at the same rate.

d. The low level from the 0 output also conditions AND gate Z8A. If the tape advance of the perforator is slower than the printer interpreter, a tape sensing switch is closed. The resulting high level from the switch is inverted by inverter Z8B. The low-level output from the inverter enables AND gate Z8A which generates a high level tight tape B signal to the alarm circuit.

3-49. Timing Counter Control

The timing counter control circuit receives internal data strobe, backspace, and tape feed enable signals which enable the timing counter control to initiate punch cycles. If a control signal is received by the timing counter control when a punching cycle is not in progress, the timing counter control initiates a punch cycle. If a control signal is received while a punch cycle is in progress, the pulse is stored by the timing counter control until the punch cycle is completed, and then immediately initiates another punch cycle.

a. When the paper tape punch is turned on, a positive reset pulse from the 4.5-volt do power supply is applied to the C input of flip-flop Z17 in the timing counter control circuit on PC card A1A7 (fig. 8-11) to clear the flip-flop. The high level from the 0 output is routed to the timing counter to clear the counter to 0 (00000000).

b. If an internal data strobe is received, and a punch cycle is not in progress, it is passed through OR gate Z1A to the S input of flip-flop Z17 to set the flip-flop. The high level from the 1 output is routed to the timing counter to enable counting.

c. If an internal data strobe is received when a punching cycle is in progress, it is stored by the timing counter control until the cycle is completed and then starts another cycle. A positive internal data strobe is passed through OR gate Z1A to the clear side of latch Z5. The resulting high level from the 0 output is applied to the gated J input of flip-flop Z17. When the cycle in progress is completed, the CL input to flip-flop Z17, which is wired to the timing counter, changes from positive to negative and the flip-flop is set. The resulting high level from the I output enables the timing counter to begin another punching cycle.

d. If a backspace or a tape feed enable signal is received, the operation of the timing counter control is identical to the operation previously described.

e. During every punch cycle, at the count of 35, a positive pulse is gated through AND gate Z8B by a high level on the data inhibit line when the ASCII code is used. The resulting positive pulse from this AND gate is applied to the set side of latch Z5. The resulting high level from the 1 output is applied to the gated K input of flip-flop Z17.

(1) If another punch cycle is to occur, a control signal is received after the count of 35 which clears Z5 and the high level is removed from the gated K input of flip-flop Z17 and placed on the gated J input.

Therefore, at the end of a cycle, flip-flop Z17 remains in the set state and another punch cycle begins.

(2) If a control signal is not received after the count of 35, and before the end of a punch cycle, latch Z5 remains in the set state and the gated IC input of flip-flop Z17 remains high. When the punch cycle is completed, the CL input of flip-flop Z17 changes from positive to negative and the flip-flop is cleared. The resulting high level from the 0 output clears the timing counter -switch discontinues punch operations another control signal appears.

f. When the ITA-2 code is used, the operation of the timing counter control is the same, except where the data inhibit signal goes to a low level. This indicates that two complete punch cycles are required to process a character, requiring an L/F shift. When an L/F shift occurs, the data inhibit input to AND gate Z8 is a low level for one complete punch cycle and high for the next punch cycle. The low level for the first punch cycle inhibits AND gate Z8, which prevents clearing the timing counter control; thus, a second punch cycle is initiated. On the second punch cycle, the high level enables AND gate Z8 (at the count of 35) and the timing counting control is cleared at the end of the cycle.

3-50. Timing Counter

The timing counter is a binary counter consisting of eight flip-flop counter stages (1, 2, 4, 8, 16, 32, 64, and 128) that go through a counting operation during each punch cycle, as illustrated in figure 3-31. The duration of the counting operation is dependent on whether the printer interpreter is used in conjunction with the perforator. If the printer interpreter is used, the timing counter goes through a 256 count during each punch cycle. If the printer interpreter is not used, punching occurs at a faster rate; thus, the timing counter goes through a count of 64 during each punch cycle.

a. *Basic Counter Operation With Printer Interpreter.* The timing counter consists of flip-flops Z21, Z25, Z27, Z23, Z20, Z24, Z26, and Z22 on PC card A1A7 (fig. 8-11).

(1) The basic timing input to the counter is provided by clock pulses from PC card A1A3. These pulses are applied to the CL, input of flip-flop Z21 in the timing counter circuit. The J and K inputs are high during an entire punch cycle since these points are wired to the timing counter control circuit.

(2) The 4.8-kc clock input pulses cause flip-flop Z21 to change states at this rate, resulting in a square wave of 128 pulses per column at the 1 output. This output is connected to the CL, J, and K inputs of flip-flop Z25. On every negative transition of the square wave, Z25 changes state, resulting in 1 square wave of 64 pulses per column at the 1 output. This process is repeated for flip-flops Z27, Z23, Z20, and Z24 (CL, J, and K inputs of each flip-flop are wired to 1 output of previous flip-flop; each flip-flop is set when all preceding flip-flops are set).

(3) When flip-flop Z24 is set on the count of 32, the high level output (75 end of count 18.75 partial count out) is routed to a slave monitor circuit on PC card A1A10 (fig. 8-13). Since the printer interpreter is in use, this circuit will pass the high level through to flip-flop Z26 in the timing counter as a 18.75 partial count in signal. Flip-flops Z26 and Z22 function in the same manner as the previous flip-flops.

(4) The eight flip-flops function as a conventional binary counter, as indicated in figure 3-31, for the counts of 0 through 256. The 1 output of flip-flop Z22 is routed through the slave monitor circuit to the timing counter control circuit. At the count of 256, flip-flop Z22 is cleared and the transition causes the timing counter control circuit to generate a high level which clears each flip-flop in the timing counter. Thus, the counter is recycled to a zero count.

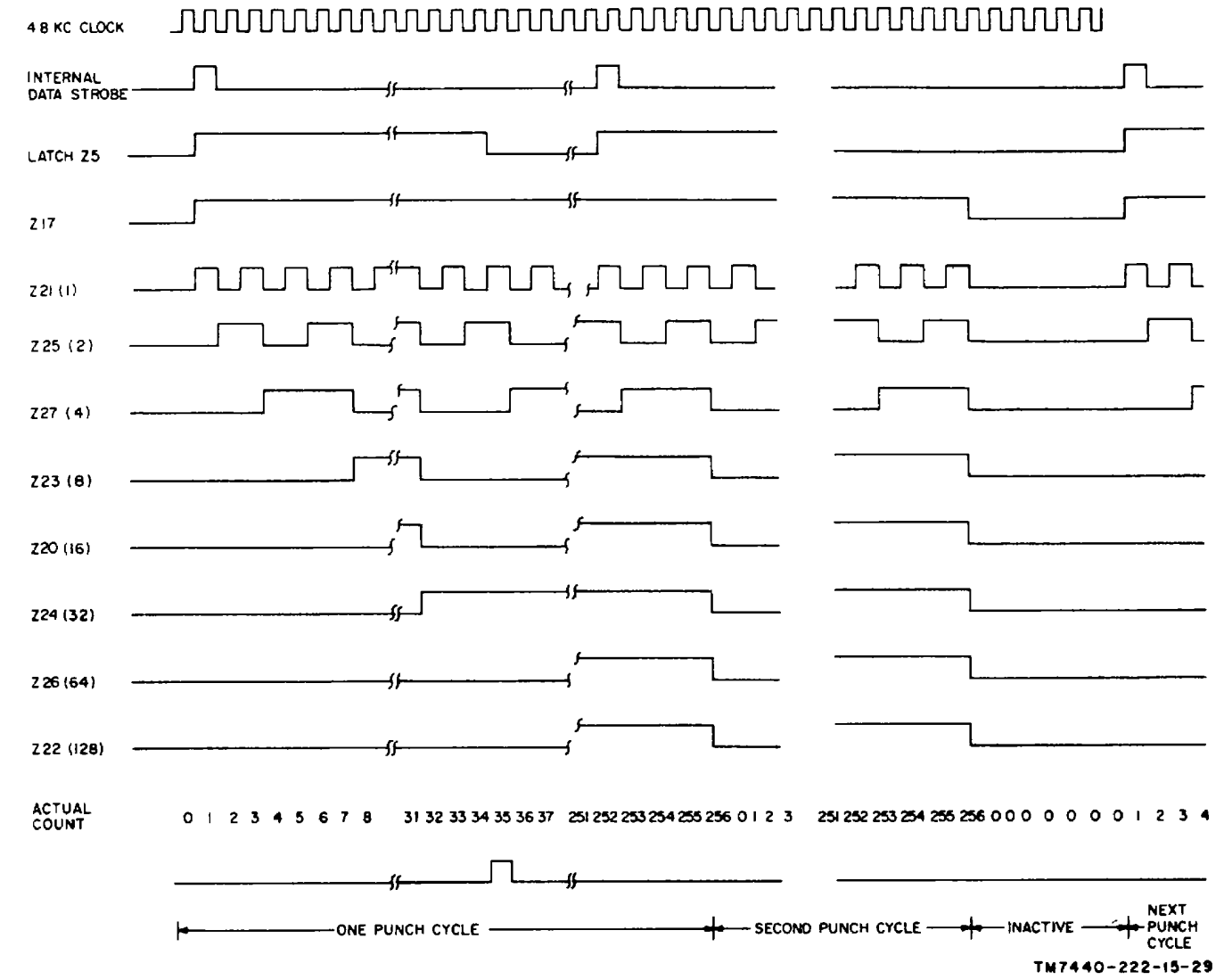


Figure 3-31. Timing counter cycle.

b. *Basic Counting Operation Without Printer Interpreter.* Since tape punching is accomplished more rapidly without the printer interpreter, the punch cycle is of a shorter duration. A total count of 64 completes a punch cycle. Thus, while counting is performed in the same manner as when the printer interpreter is used, it is not necessary to utilize the full counting capabilities of the timing counter.

(1) Counting is initiated and proceeds in the same manner as described for the counting operation with the printer interpreter. At the count of 32, when flip-flop Z24 is set, the high level output (75 end of count 18.75 partial count out) is routed to the slave monitor circuit. The slave monitor generates a high level 18.75/75 end of count signal which is applied to the timing counter control circuit. On the count of 64, flip-flop Z24 is cleared.

(2) The negative transition, routed through the slave monitor, causes the timing counter control circuit to generate a high level which clears the timing counter. Thus, the counter is recycled to a zero count.

3-51. Timing Decoder

The timing decoder on PC card A1A7 (fig. 8-11) monitors the outputs of the timing counter and generates the different functions (fig. 3-32) required during each punch cycle. The timing decoder consists of various AND gates, each of which monitors a particular binary value. Therefore, by combining the outputs of two or more AND gates, it is possible to produce an output at a specific count.

a. *Punch Strobe.* The punch strobe is generated at the count of 3 and terminated at the count of 11.5, a period of 1.35 ms. To initiate the punch strobe at the count of 3, it is necessary to enable AND gate Z11B. Termination of the punch strobe is accomplished by enabling AND gate Z11A at the count of 11.5.

The procedure utilized to obtain this particular range is as follows:

(1) One input to AND gate Z1B is from the 1 output of latch Z7. The 1 output from this latch is normally a low level unless a backspace command is received. In this event, the punch gate is inhibited as punching is not required.

(2) A second input to AND gate Z11B is from AND gate Z15B. This AND gate is wired to the timing counter in such a manner as to decode the binary values of 0 through 7, 64 through 73, and 128 through 135. When these binary values occur, the AND gate is enabled and produces a low level output.

(3) The final input to AND gate Z11B is from AND gate Z14A. Two of the inputs to this AND gate are wired directly to the timing counter. These inputs are high levels whenever the binary value exceeds 64. The third input is from AND gate Z18A. This AND gate is wired to the timing counter in such a manner as to produce a low level output whenever a binary value of 3 appears (for example, at the counts of 3, 11, 19, 27, etc.). Thus, the low level outputs at these counts enable AND gate Z14A up to a count of 64. In turn, AND gate Z14A generates a low level at the counts of 3, 11, 19, 27, 35, 43, 51, and 59.

(4) The low levels appear at the input to AND gate Z11B. However, AND gate Z15B generates a low level at the counts of 0 through 7, 64 through 73, and 128 through 135. Therefore, AND gate Z11B is enabled only at the count of 3 and disabled at the count of 4. The resulting positive 208- μ sec pulse (duration of a single count) is applied to the clear side of latch Z2 which generates a low level punch signal. This punch signal is routed to the punch solenoid drivers.

(5) As stated, to terminate the punch signal AND gate Z11A is enabled. One input to the AND gate is from AND gate Z14A which functions as described in (3) above. A second input to AND gate Z11A is from AND gate Z15B. This AND gate is enabled only when the count is between 8 and 15. Thus, only at the count of 11 are two of the inputs to AND gate Z11A low levels.

(6) The third input to AND gate Z11A is from inverter Z19A which receives a clock pulse directly from the clock generator. Since counts are initiated on the negative transition of the clock pulse, the half time is when the pulse goes positive for half a cycle (see timing diagram, fig. 3-32). The positive portion is inverted by inverter Z19A and the resulting negative pulse is gated through AND gate Z11A at the count of 11.5. The resulting positive pulse sets latch Z2, resulting in a high level from the 0 output which disables punching.

(7) The entire process is repeated each punch cycle if a character is to be punched.

b. *Internal Ready.* The internal ready signal is generated from AND gate Z19 on the count of 57.

(1) Two inputs to AND gate Z19B are directly from the timing counter and are low levels between the counts of 64 and 128. The third input to this AND gate is from AND gate Z13A in the timing decoder. The output from AND gate Z13A is low between the counts of 88 and 95 when the inputs to this AND gate are low.

(2) With the three inputs low at the count of 57, AND gate Z19B is enabled, resulting in a high level output until the count of 95 when the AND gate is disabled since AND gate Z13A is disabled. The high level is the internal ready used in the punch logic circuitry.

(3) Furthermore, the high level from AND gate Z19B is used to set latches Z6 and Z7 which store advance and backspace signals. At this time, tape motion in either direction is completed, and the signals are terminated until the next cycle.

c. *Motion Sensor Check Pulse.* The motion sensor check pulse is generated on the count of 25 for one count of a 208- μ sec duration.

(1) The three inputs to AND gate Z13A are low levels from the count of 24 to 31, resulting in a low level output.

(2) Two of the inputs to AND gate Z14B are low levels from the count of 0 to 63, and the third input is a low level whenever the output of AND gate Z18B is a low level. The output of AND gate Z18B is a low level whenever a count of 1 or 1 plus 8 and sums of 8 (example: 00000001; 00001001; etc.). Therefore, the output is a low level at the counts of 1, 9, 17, 25, 33, 41, and 57.

(3) Since the output of AND gate Z13A is a low level only between the counts of 24 and 31, the only time the output is a low level in this group of counts is at the count of 25. Thus, at the count of 25, AND gate Z9A is enabled and a resulting positive motion sensor check pulse is generated for one count.

d. *Error and Start Advance.* The error pulse and the start advance pulse are generated from the same circuit on the count of 35.

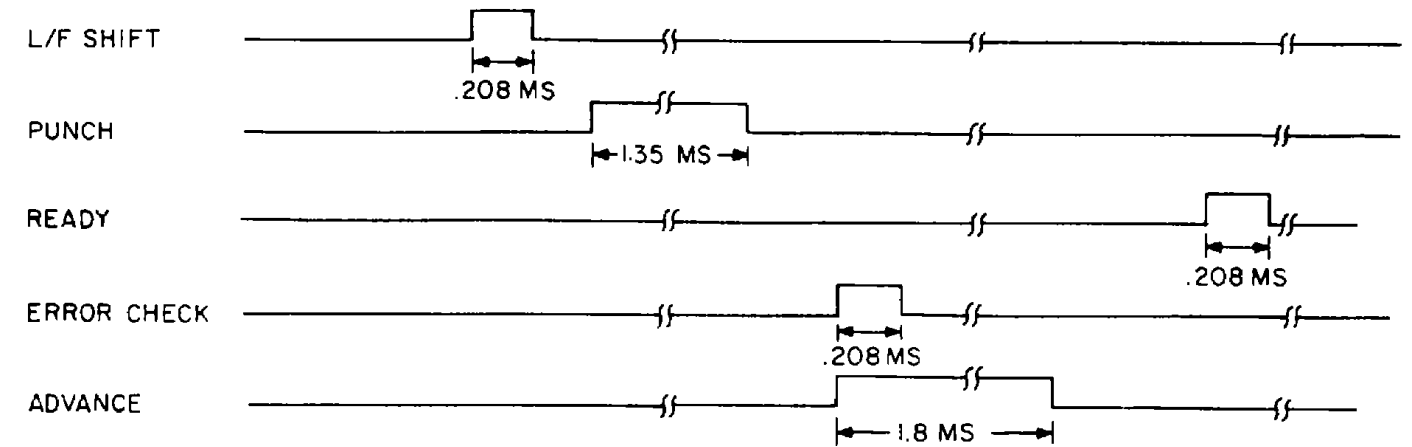
(1) When the count of 35 is reached, the inputs to AND gates Z16A and Z14A are low levels. The resulting low level outputs from these AND gates enable AND gate Z12A. The resulting positive pulse from AND Z12A gate is routed to PC card A1A5 as the echo error strobe. Furthermore, the positive pulse clears latch Z6 and the low level from the 1 output is applied to one input of AND gates Z4A and Z4B.

(2) If a backspace signal is not present, latch Z7 is in the clear state, and the resulting low level from the 1 output enables AND gate Z4B, which generates a low advance level. The high level from the 0 output inhibits AND gate Z7A, preventing a backspace.

(3) If a backspace signal is present, latch Z7 is set, and the resulting low level from the 0 output enables AND gate Z4A, which generates a low backspace level. The high level from the 1 output inhibits AND gate Z4B, preventing an advance.

(4) If a backspace signal is not present, AND gate Z12B is enabled at the count of 43.5. The resulting high level is applied to AND gate Z8A. Since a backspace signal is not stored in latch Z7, the high level from the 1 output enables AND gate Z8A. The resulting positive pulse is passed through OR gate Z1B to the set input of latch Z6. The high level from the 1 output disables AND gate Z4B and the advance signal is discontinued.

(5) If a backspace signal is stored in latch Z7, the low level from the 1 output inhibits AND gate Z8A even though the count of 43.5 is reached. However, when the count of 57 occurs, the inputs to AND gate Z9B are low, resulting in a positive output pulse which is passed through OR gate Z1B to the set input of latch Z6. The high level from the 1 output inhibits AND gate Z4A and the backspace signal is discontinued.



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Figure 3-32. Perforator internal signals.

3-52. Data Detector

The presence of data bits 1 through 7 and parity bit 8 are detected by the data detector on PC card A1A3 (fig. 8-7).

a. If the paper tape punch is ready for operation, a high internal select level from PC card A1A4 is present for an entire block (80 columns). This high level conditions the data detector for the reception of data. When a complete block is received, the internal select signal goes to a low level which disables the data detector.

b. Data bits 1 through 7 and parity bit 8 from PC cards A1A2 and A1A1 are received by the data detector in bit-parallel form and sampled by an internal data strobe from PC card A1A4.

c. The data detector consists of an AND gate associated with each of the eight bits, and buffers for the internal select and internal data strobe signals. Since detection is identical for the eight bits, only the detection of data bit 1 is discussed.

d. The high internal select level is passed through buffer Z3B in the data detector circuit and appears on one input to AND gate Z6A. The high level conditions the AND gate for the entire block. If a character received during a punch cycle contains data bit 1, a positive pulse appears at the input to AND gate Z6A. This pulse is gated through by the accompanying internal data strobe, resulting in a positive data bit 1 pulse. The data bit is passed through OR gate Z1A to the data register where the data bit is stored until used during the punch cycle. If the character received does not contain data bit 1, AND gate Z6A is inhibited, resulting in a low level output.

e. Parity bit 8 is detected in the identical manner as the data bits. However, during automatic or manual tape feed, the high level tape feed enable signal from the tape feed control enables AND gate Z16A. The resulting high level output is routed through OR gate Z5A to the data register. Thus, parity bit 8 is inserted to maintain the required odd parity during tape feed to prevent an erroneous parity error condition.

f. When a local test is performed, a high level from LOCAL TEST switch Z9 on the control panel passes through each OR gate in the data detector. Thus, each data bit is registered in the data register to exercise each punch in the punch mechanism.

3-53. Data Register

The data register on PC card A1A9 (fig. 8-12) stores data bits 1 through 7 and parity bit 8 in latches Z4A-Z8A, Z4B-Z8B, Z3A-Z7A, Z3B-Z7B, Z2A

Z6A, Z2B-Z6B, Z1B-Z5B, and Z1A-Z5A, respectively.

a. When the paper tape punch is initially turned on, a positive reset pulse is passed through OR gate Z22A in the data register to the clear inputs of all the latches. The latches are cleared and ready to receive data bits.

b. When a code conversion is not in effect, that is, a character is received in the ASCII code and punched in the ASCII code, the data bits identifying the character are stored in the data register until the tape column is punched. After punching, the data register is cleared. The complete processing of a character is accomplished in one punch cycle. However, when a code conversion is in effect, that is, a character is received in the ASCII code and punched in the ITA-2 code, certain operations require two punch cycles. Therefore, the data register stores the data bits during the first punch cycle, but is not cleared until punching occurs during the second punch cycle. In either case, the data register is cleared by passing a positive internal data strobe through OR gate Z22A to the clear inputs of all the latches.

c. When manual tape feeding is performed, a high level is applied to the clear input of each latch. This clears the data register of previous data bits, and prevents punching during manual tape feeding (however, the sprocket hole is still punched).

d. Data bits 1 through 7 and parity bit 8 are stored in an identical manner, thus, only the storage of data bit 1 is discussed. If a positive data bit 1 pulse is received from PC card A1A3, it is applied to the set side of latch Z4A, Z8A in the data register and the latch is set. Complementary bits 1 and 1 are available at the 0 and 1 outputs of the latch, respectively, for use by the paper tape punch logic circuits.

e. If data bit 1 is not received, latches Z4A and Z8A remain in the clear state. Complementary bits 1 and 1 from the latch outputs, 0 and 1 respectively, are then routed to other logic circuits.

f. After punching is completed, before the next punch cycle is initiated, the positive internal data request is passed through OR gate Z22A to clear the latch of the stored data bit (if any).

3-54. Parity Comparator

During each punch cycle, a comparison of data bits 1 through 7 and parity bit 8 is performed in order to determine whether the sum of the eight bits is odd or even. An odd sum indicates a satisfactory parity condition. If the sum is even, a parity error signal is generated.

a. The determination of the parity condition is accomplished in three stages by the parity comparator on PC card A1A9 (fig. 8-12). First, a determination as to whether the sum of bits 1 and 2 is odd or even, and similarly, as to whether the sum of bits 3 and 4, 5 and 6, and 7 and 8 is odd or even. Second, a determination as to whether the sum of bits 1 and 2 and the sum of bits 3 and 4 is odd or even, and similarly, as to whether the sum of bits 5 and 6 and the sum of bits 7 and 8 is odd or even. In the third stage, the sum of bits 1, 2, 3 and 4 and the sum of bits 5, 6, 7 and 8 are compared to determine whether the final sum is odd or even.

b. In the first stage, the comparison between each pair of bits is identical. Therefore, only the comparison between data bits 1 and 2 is discussed.

(1) Data bits 1 and 2 from the data register appear simultaneously at the inputs to AND gate Z12B and OR gate Z11A of comparator 1 in the parity comparator.

(2) If both bits are present, the inputs to AND gate Z12B are high levels which enable the AND gate, resulting in a high level output. If both bits are absent, the low level inputs inhibit OR gate Z11A and AND gate Z12B, resulting in a high level output from OR gate Z11A. In either case, the high level is inverted by OR gate Z16B, resulting in a low level output. The low level output indicates that the sum of the two bits is even.

(3) If data bits 1 and 2 are different, one bit present and the other bit absent, a high level and a low level appear at the inputs to AND gate Z12B and OR gate Z11A. The different levels inhibit AND gate Z12B, resulting in a low level output, while the high level is inverted by OR gate Z11A, resulting in a low level output. Thus, the inputs to OR gate Z16B are low levels which result in a high level output from this OR gate. The high level output indicates that the sum of the two bits is odd.

c. In the second stage of parity comparison, the sum of bits 1 and 2 is compared with sum of data bits 3 and 4 in comparator 5. Similarly, the sum of bits 5 and 6 and the sum of bits 7 and 8 are compared in comparator 6. The comparison is identical to comparison operation discussed in *b* above.

d. In the third stage of parity comparison, the sum of bits 1, 2, 3, and 4 from comparator 5 is compared with the sum of bits 5, 6, 7, and 8 from comparator 6, in comparator 7. If, in this stage, both outputs from comparator 5 and 6 are the same level (both high or both low), it indicates a parity error, and comparator 7 generates a positive parity error signal at the count of 25 when a parity check signal from the timing decoder appears. If the outputs from comparators 5 and 6 are different (either output high and the other output low), it indicates that a parity condition exists, and comparator 7 generates a low level parity error signal. The comparison is identical to the comparison operation described in *b* above.

3-55. Parity Error Detector

The parity error detector on PC card A1A9, generates a positive output error pulse if a parity error occurs. If a parity error occurs, a high level signal from the parity comparator passes through OR gate Z19A (fig. 8-12). The resulting high level output conditions AND gate Z20A. A positive parity check pulse from PC card A1A7 samples the high level, resulting in a positive output error pulse from AND gate Z20A.

3-56. Motion Error Detector

The motion error detector monitors the motion of the tape through the punch station, and generates a motion error signal if a motion failure occurs. Motion failures are a loss of motion, and insufficient or excessive motion.

a. Loss of motion is a failure of the tape to start transporting when a start advance command is given.

(1) The leading edge of the positive parity check pulse from PC card A1A7 is applied to the clear side of latch Z23 on PC card A1A9 (fig. 8-12). The resulting high level from the 0 output of latch Z23 conditions AND gate Z25A.

(2) If the tape fails to start advancing, the high level remains at the input to AND gate Z25A and at the count of 19 a motion check is made by the positive motion sensor pulse from PC card A1A7. This pulse is gated through AND gate Z25A. The resulting positive output pulse is routed to the set side of latch Z21, and a high level motion error signal is generated at the 1 output of this latch.

b. Insufficient or excessive motion means that the tape does not advance the required distance between columns, or the tape advances a distance greater than required.

(1) Again, as before, latch Z23 is set with the leading edge of a positive advance pulse when a parity check command is given, and a high level from the 0 output conditions AND gate Z25A.

(2) If the tape starts to advance, the leading edge of a positive motion sensor strobe from the punch mechanism clears latch Z23, and the 0 output goes to a low level which inhibits AND gate Z25A.

(3) However, if the tape motion is insufficient or excessive, the motion sensor strobe remains a high level which conditions AND gate Z25B. At the count of 19 a motion sensor check is made by a positive motion sensor pulse, which is gated through this AND gate. The resulting positive output pulse is routed to the set side of latch Z21 which sets the latch and a high level motion error signal is generated at the 1 output of this latch.

c. If a motion failure occurs, the motion error signal is routed to the alarm stop circuits to discontinue the operation of the paper tape punch. In addition, the signal is routed to MOTION FAIL indicator DS5. The indicator is illuminated, providing a visual indication of the cause of the stop condition. When the fault condition is corrected, pressing START switch Z7 on the control panel applies a positive pulse through OR gate Z22B to the clear side of latch Z21 and the set side of latch Z23. Latch Z21 is cleared, removing the motion error indication and permitting continued operation. Latch Z23 is set, which prepares the latch for the next punch cycle.

d. If the tape advances correctly, the leading edge of the motion sensor strobe clears latch Z23 and the resulting low level from the 0 output inhibits AND gate Z25A. Since the tape advances correctly, the motion sensor strobe goes to a low level which inhibits AND gate Z25B. At motion check time (count of 25), the motion sensor pulse is not gated through, therefore, low level outputs from both AND gates do not set latch Z21 and a motion error is not generated.

3-57. Punch Comparator

During each punch cycle, a comparison is made between the data bits received from the CCU or keyboard and the data bits punched in the tape. The comparison, made in the punch comparator, insures message reliability. If the data bits received and the data bits punched are not identical, an echo error signal is generated. The comparison of data punched in the ASCII code differs from the comparison of data punched in the ITA-2 code.

a. In the ASCII mode of operation, the punch comparator receives data bits 1 through 7 and parity bit 8 from PC card A1A9 and the sprocket bit from PC card A1A7.

(1) The presence of a data bit in the data register results in a low level input to the punch comparator on card A1A5 (fig. 8-9). The presence of a parity bit in the data register results in a high level input. A low level from PC card A1A7 appears on the sprocket input line for every column, since a sprocket punch must occur for every column.

(2) When a data bit, parity bit, or sprocket hole is punched, the punch mechanism generates a momentary echo pulse associated with the bit. Since the echo pulses are momentary, the pulses are stored in associated latches until a comparison is made. Comparison in the punch comparator is between each individual bit and the associated echo pulse. Since all the comparisons are performed in an identical manner, only the comparison of data bit 1 is discussed.

(3) If data bit 1 is present, a low level on the 1 input line conditions AND gate Z20B and inhibits AND gate Z16B. If the tape is punched correctly, a +12-volt dc echo pulse appears on the echo bit 1

input line. Voltage divider R17, R15 provides a +4.5- volt level, which is applied to the clear side of latch Z8B. The resulting high output level from the 1 output of latch Z8 conditions AND gate Z16B and inhibits AND gate Z20B. Since neither AND gate Z16B nor Z20B has the required inputs, both gates are inhibited, resulting in low level outputs. The low level outputs are applied to OR gate Z27B. If punching for the remaining bits is correct. then all the inputs to OR gate Z27B are low levels.

(4) These low level signals pass through OR gate Z27B to inhibit AND gate Z21A. Without an output from Z21A, latch Z28 is not set, therefore, no echo error signal is generated.

(5) If data bit 1 is absent and the tape is not punched, the operation of the punch comparator is the same as in (3) and (4) above.

(6) During each punch cycle, after a punch comparison is completed, a positive echo error check pulse from the timing decoder circuit on PC card A1A7 sets each punch echo storage latch. Thus, each latch is ready to accept punch echo signals for the next punch cycle.

(7) If data bit 1 is present and the tape is not punched, the low level on the 1 input line conditions AND gate Z20B. Since punching did not occur, the punch echo signal is absent, and latch Z8 remains in the set state. The resulting low level output enables AND gate Z20B. The AND gate produces a high output level which is passed through OR gate Z27B and conditions AND gate Z21A. When the positive echo and parity check strobe from the timing decoder on PC card A1A7 appears, it samples the high level on AND gate Z21A. The resulting positive output pulse is applied to the set side of latch Z28, which sets the latch. The high level from the 0 output of the latch is the echo error signal.

(8) If data bit 1 is absent and the tape is punched, the operation of the punch comparator is similar to that in (6) above except that AND gate Z16B is enabled due to high levels on both the 1 input line and the echo bit 1 line.

b. In the ITA-2 mode, the comparison operation of the punch comparator is similar to a comparison operation in the ASCII mode. However, since in the ITA mode only data bits 2 through 6 and the sprocket bit are used, special features are included to prevent false echo error signals.

(1) Since data bit 1 is not used, the storage flip-flop in the data register is never set, therefore a high level is always present on the 1 input line. Since punching should not occur, a low level is always present on the echo bit 1 input line. Any deviation from this condition results in an echo error in the same manner as described in a(7) and (8) above.

(2) When using 7/8-inch tape, data bit 7 and parity bit 8 are not used, therefore, a high level input from the code converter enable on card A1A12 is always present on the 7 and 8 input line. Since punching does not occur, a low level is always present on the echo bit 7 and 8 input lines. Any deviations from these conditions results in an echo error in the same manner as described in a(7) and (8) above.

(3) When using 11/16-inch tape, although data bit 7 is not used, the punch associated with data bit 7 is used to notch the tape. Since this will cause an erroneous error signal (a high level on the 7 input line and a high level on the echo bit 7 line), a high level from NARROW switch is applied to AND gate Z25B (which inhibits the AND gate) and a low level from WIDE switch is applied to AND gate Z21B (which inhibits this gate). These two levels are always present whenever the ITA-2 code is used.

Since both AND gates are inhibited, no false echo error signal can be developed.

c. At the same time punching occurs, a positive punch pulse, from PC card ALAN appears at the set input of latch Z28, resulting in a low level from the 0 input. The latch is ready to accept a punch error signal if one occurs during the punch cycle in progress.

3-58. Tape Feed Control

a. The tape feed control is a binary-coded decimal counter which generates a tape feed enable signal when a message ends or upon a cancel. The tape feed control then counts to a preset value, at which time the tape feed enable signal is inhibited.

b. The tape feed control does not count like a conventional binary counter, instead, it counts in terms of units, tens, and hundreds digits. For example, the count of ten in a conventional binary counter is 1010 (8+0+2+0); however, in a binary-coded decimal counter, the count of 10 is 10000. The count of 100 in a conventional binary counter is 1100100, and in a binary-coded decimal counter the count of 100 is 10000000.

c. To be more specific, the units counter in the tape feed binary-coded decimal counter is a four-stage binary counter which is capable of counting 16 input pulses. However, due to the manner in which it is wired, the units counter counts 9 (1001) input pulses. Then, with the tenth input pulse, the units counter clears itself to zero and at the same time spills over to the tens counter for 1 count (00010000). The tens counter operates in the same manner as the units counter, and the two counters combined count 99 (10001001) pulses. When the hundredth pulse occurs, the units counter spills over to the tens counter which, in turn, spills over to the

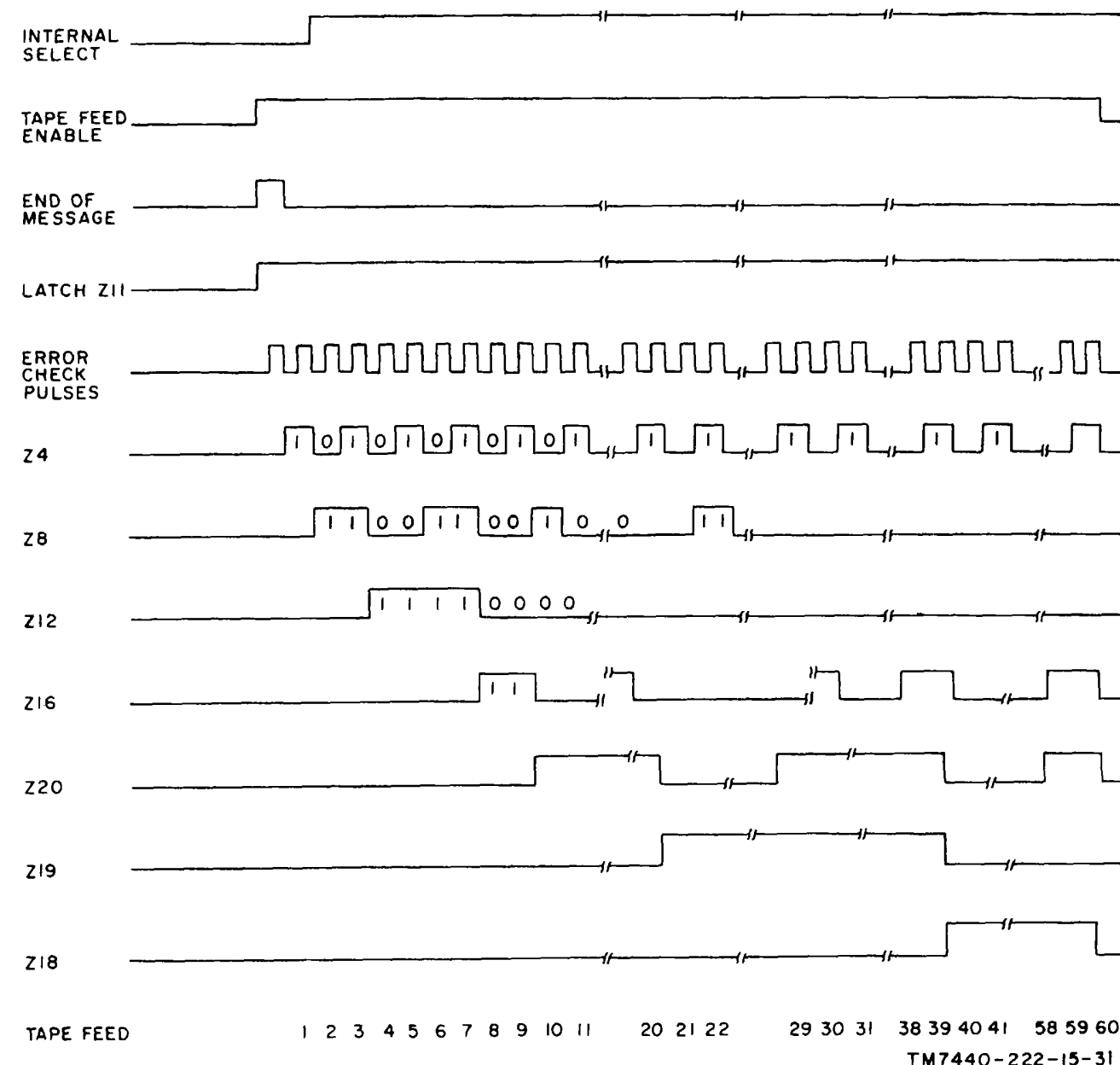


Figure 3-33. Tape feed, timing diagram.

hundreds counter to generate the hundredth count (100000000).

d. The tape feed control, when enabled by a cancel or end of message signal, must maintain the tape feed enable signal until a minimum of 60 tape columns advance (6 inches), after which tape feed is discontinued if an internal select signal is received. If no signal is received, tape feed continues until the count reaches the preset value of the TAPE FEED inches switch.

e. As illustrated in figure 3-33, whenever the tape feed control is enabled, a minimum count of 60 must be generated before the tape feed control is disabled.

(1) When the paper tape punch is initially turned on, a positive reset pulse passes through OR gate Z7A on PC card A1A6 (figure 8-10) to the clear input of latch Z11. The resulting high level from the 0 output of the latch is applied to the clear input of each flip-flop in the tape feed control.

(2) If a positive cancel or end of message pulse is reached, latch Z11 is set and the resulting high level from the 0 output is passed through OR gate Z7B to PC card A1A7 as the tape feed enable signal. Furthermore, the 0 output of latch Z11 is applied to the J and K inputs of flip-flop Z4 and the CL inputs of flip-flops Z16 and Z17.

(3) Positive error check pulses from PC card A1A7 are used as clock pulses for the tape feed control. One error check pulse is generated during each punch cycle. The pulses are applied to the CL input of flip-flop Z4, and on the transition of each pulse (positive to negative) Z4 changes state and generates a binary 1 count (0001). The 0 output of flip-flop Z16 is wired to the J and K inputs of flip-flop Z8, which maintains these inputs at a high level through the count of 7 (Z16 is in the clear state from the reset pulse). The units counter counts in a conventional manner up to the count of 8, as seen in the timing diagram (fig. 3-33).

(4) When the count of 8 is reached, flip-flop Z16 is set, resulting in a low level at the 0 output. The next clock pulse sets flip-flop Z4 to generate the count of 9.

(5) The tenth pulse clears flip-flop Z4. However, since the J and K inputs of Z5 are low (from the 0 output of Z16), this flip-flop cannot change from the clear state to the set state even though a clock pulse is received from flip-flop Z4. Since the 1 output of flip-flop Z4 is wired to the K input of flip-flop Z16, the tenth clock pulse causes flip-flop Z16 to clear.

(6) The 1 output of Z16 is wired to the CL, J, and K inputs of flip-flop Z20 in the digits counter. When the 1 output of flip-flop Z16 changes from a high to a low level, flip-flop Z20 is set, and the decimal count of 10 (000010000) is stored in the tens counter. Counting continues until the count of 60 (001100000), at which time flip-flop Z19 and Z18 are triggered to the set state. The low levels from the 0 output of these flip-flops are applied to OR gate Z15B. The resulting output of the OR gate is a high level which is passed through OR gate Z2A to AND gate Z3A.

(7) If at this time another message or an additional block of a message is to begin, a high level internal select signal appears at the input to AND gate Z3A. Even though the internal select signal is present before the count of 60 is reached, the AND gate cannot be enabled. Thus, a minimum of 6 inches of tape must be fed through the perforator when a cancel or end of message signal appears.

(8) The high output from AND gate Z3A passes through OR gate Z7A to the clear side of latch Z11. The resulting low level from the 1 output is passed through OR gate Z7B which disables tape feed.

(9) Furthermore, the high level from the 0 output of latch Z11 clears the tape feed control counters and the count returns to 0 (000000000).

f. If there is no internal select signal to discontinue tape feed after, a cancel or end of message signal is received, the counter counts the number of tape feeds until the preset value is reached and then discontinues tape feed.

(1) The tens counter in the tape feed control counter counts in the same manner as the units counter previously described. When the count reaches 99, flip-flop Z13, the hundreds counter, is set which generates the count of 100.

(2) If rotary switch S3 is rotated to position 4 when the count of 80 (0110d0000) is reached, flip-flop Z17 is set. The high level from the 1 output of the flip-flop is passed through rotary switch S7A to enable AND gate Z3B. The high level output from the AND gate clears latch Z11, and tape feeding is discontinued.

g. If a message is not in progress, it is possible to have manual tape feeding by pressing FEED OUT switch Z6 on the control panel. When pressed, the FEED OUT switch provides a low level to AND gate Z6A. Since a message is not in progress, a low level select signal is also present at the AND gate. The resulting high level is passed through OR gate Z7B, and continuous tape feeding occurs. Tape feeding is continuous until either the FEED OUT switch is released or the CCU or keyboard selects the paper tape punch for a message. In this event, the select signal goes to a high level, inhibiting AND gate Z6. Even though the FEED OUT switch is pressed, tape feeding is not possible. When manual tape feeding is effected, the number of tape frames fed through the punch mechanism is not counted as there is no prefixed value required.

h. In the local mode of operation, tape feeding is continuous as low level local test and ready signals appear at the input to AND gate Z6B. The resulting high level output is routed through OR gate Z7B for continuous tape feeding.

i. Whenever a tape feed enable signal appears, the signal, in addition to initiating punch cycles, sets flip-flop Z1. The high level from the 1 output is a data request inhibit. This prevents the logic circuitry from requesting additional messages when tape feeding is in progress. When the tape feed enable signal is no longer present, a ready strobe signal clears the flip-flop. This indicates that the logic is ready for data.

3-59. Manual Tape Feeding

Manual tape feeding is possible when a CCU, keyboard, or local test mode of operation is not in progress. Under these conditions, a low level from AND gate Z13B on PC card A1A11 (fig. 8-14) and a low level from the mode inhibit control condition AND gate Z18A. Pressing FEED switch Z6 on the control panel supplies a low level to AND gate Z18A. The resulting high level from the AND gate is inverted by inverter Z21A and routed to the tape feed control circuit. Tape feeding is continuous as long as the TAPE FEED switch is pressed. In addition, the high level from AND gate Z18A prevents the mode inhibit control circuit from operating. Thus, no mode of operation is possible while manual tape feeding is in progress.

3-60. Notch Control

a. The notch control monitors for a punch/parity error or a cancel condition. When either of these conditions exists, the notch counter control generates the appropriate number of notch signals to the punch mechanism. The notch control circuit consists of an error notch detector on PC card AA a notch counter on PC card A1A6, and a notch tape position control on PC card A1A5.

b. When the paper tape punch is initially turned on, a positive reset signal clears the notch counter. If a punch error occurs, a high level from the punch comparator, indicating a punch error, appears at the input to AND gate Z16B in the error notch detector on PC card A1A11 (fig. 8-14). At a specific time during the punch cycle in progress, an echo check pulse from the timing decoder appears at the input to AND gate Z16B. The pulse is gated through to OR gate Z10B. If a parity error occurs, a positive parity error appears at the input to OR gate Z10B.

In the event of either error, the positive output pulse from OR gate Z10B is passed through OR gate Z10A on PC card A1A6 (fig. 8-10) to the set input of flip-flop Z5.

c. The resulting high level from the 1 output of flip-flop Z5 is passed through OR gate Z10B to AND gate Z14B, in addition to the J and K inputs of flip-flop Z5. During the next punch cycle, the positive punch pulse from PC card A1A7 is gated through AND gate Z14B. The positive output pulse is inverted by inverter Z15A to a negative notch pulse which is routed to the notch position control. At the conclusion of the punch pulse, the negative transitions of the pulse clears flip-flop Z5. Thus, the low level from the 1 output inhibits AND gate Z14B, and no further notch pulses are generated. If another output error signal is received, the process is repeated.

d. If a cancel signal is received, the signal is passed through OR gate Z10A to the set input of flip-flop Z5. The signal is also routed directly to the set input of flip-flop Z9. The resulting high levels from the 1 output of each flip-flop is passed through OR gate Z10B to AND gate Z14B and the J and K inputs of flip-flop Z5.

(1) During the next punch cycle, the positive punch pulse is gated through AND gate Z14B and inverted by inverter Z15A for the first notch pulse.

(2) The negative transition of the punch pulse clears flip-flop Z5. Flip-flop Z9 remains in the set state, thus, a high level remains at the input to AND gate Z14B and the J and K inputs of flip-flop Z5. During the next punch cycle, the punch pulse is gated through AND gate Z14B and inverter Z15A for the second notch pulse.

(3) Since at this time flip-flop Z5 is in the clear state, a high level from the 0 output is applied to the CL and K inputs of flip-flop Z9. Thus, the negative transition of the punch pulse sets flip-flop Z5 which, in turn, clears flip-flop Z9. Flip-flop Z5, now in the set state, supplies a high level to AND gate Z14B and also to its J and K inputs.

(4) During the next punch cycle, the positive punch pulse is gated through AND gate Z14B and inverter Z15A for the third notch pulse. The negative transition of the punch pulse clears flip-flop Z5. Since both flip-flops are in the clear state, the resulting low levels from the 1 outputs of each flip-flop inhibits AND gate Z14. Thus, no further notch pulses are generated. The notch pulses which were generated are routed to the notch position control. This process is repeated whenever a cancel signal is received.

3-61. Notch Position Control

The notch position control determines the tape column in which a notch is to be punched, if a cancel signal is received or an error occurs. The tape punches are capable of punching 1-inch, 7/8-inch, or 11/16-inch paper tape. On 1-inch tape, either ASCII or ITA-2 code may be punched, and the tape is notched in the ninth column. On 7/8-inch tape, only the ITA-2 code may be punched, and the tape is notched in the ninth column. When using 11/16-inch tape, only the ITA-2 code may be punched, and the tape is notched in the seventh column.

a. When using 1-inch tape and ASCII code, notching occurs in the ninth column.

(1) WIDE/NARROW switch Z3 on the control panel is pressed, which results in a low level on the TAPE WIDTH 11/16-IN. input line to AND gate Z25A and AND gate Z27A in the notch control circuit on PC card A1A5 (fig. 89). With switch Z3 in the WIDE position, a high level is present on the TAPE WIDTH 1 in. & 7/8 in. input line to AND gate Z26B which inhibits this AND gate.

(2) If the character selected for punching contains data bit 7, then a low level from PC card A1A9 enables AND gate Z25A. The resulting high level from this AND gate is passed through OR gate Z26A. The resulting low level from this OR gate is routed to the associated seventh punch solenoid driver.

(3) If a notch is to be punched, a negative pulse (or negative pulses, depending on whether a cancel or

error signal occurs, see para 3-60) from PC card A1A6 is gated through AND gate Z27A, and the resulting negative pulse output is routed to the ninth punch solenoid driver.

(4) The high level, which is present on the TAPE WIDTH 1 in. line, and the low level, which is present on the TAPE WIDTH 116 in. input line, are also routed to the punch comparator to prevent incorrect punch comparisons (para 3-57).

b. When using 1-inch or 7/8-inch tape and the ITA2 code, notching again occurs in column 9. The notching operation is the same as previously described; however, since in the ITA-2 code only data bits 2 through 6 are used, a high level is present on AND gate Z25A. The resulting low output level is passed through OR gate Z26A, and the high output from this OR gate prevents the seventh solenoid driver from being actuated.

c. When using 11/16-inch tape and the ITA-2 code, notching occurs in column 7.

(1) WIDE/NARROW TAPE switch Z3 on the control panel is actuated, which results in a low level on the TAPE WIDTH 1 in. & 7/8 in. input line to AND gate Z26B. With switch Z3 in the NARROW position, a high level is present at the inputs to AND gates Z25A and Z27A which inhibits these AND gates.

(2) If a notch is to be punched, a negative pulse (or pulses) from PC card A1A6 is gated through AND gate Z26B. The resulting positive output pulse (or pulses) from this AND gate is passed through OR gate Z26A, and the low level output from OR gate Z26A is routed to the seventh solenoid punch driver.

(3) The low level, which is present on the TAPE WIDTH 1 in. line, and the high level, which is present on the TAPE WIDTH 11/16 IN. line, are also routed to the punch comparator to prevent incorrect punch comparisons.

3-62. Clock Pulse Generators

The perforator contains two clock pulse generators on PC card A1A3 (fig. 8-7). The clock pulse generators produce 4.8-kc clock pulses utilized by the timing control circuits of the perforator and the printer interpreter. One clock pulse generator, consisting of unijunction Q1, transistor Q2, and flip-flop Z23, is used by the perforator when it is operating independently of, or in conjunction with, the printer interpreter. When the perforator is operating in conjunction with the printer interpreter, the same clock pulse generator is used to provide synchronization between the units. The other clock pulse generator, consisting of unijunction Q3, transistor Q4, and flip-flop Z24, is used exclusively 3-22 by the printer interpreter when it is operating independently of the perforator. Therefore, by using two clock pulse generators, the perforator can receive messages at a rate more rapid than the rate at which the printer interpreter can print the messages. Both clock pulse generators are type OSC-1 oscillators, and operate electrically as described in paragraph 3-63.

3-63. Type OSC-1 Oscillator

The type OSC-1 oscillator (fig. 8-7) produces 9.6-kc clock pulses which are applied to frequency divider Z23, resulting in 4.8-kc clock pulses.

a. When power is turned on, current flows from the +12-volt power source through resistor R8, diode CR2, potentiometer R9, and resistor R10 to charge capacitor C9. The output voltage from the oscillator is +4.5 volts at this time, as determined by the voltage regulator circuit consisting of Zener diode VR1, resistor R8, and filter capacitor C8. The 9-volt output of the voltage regulator circuit is applied to voltage divider R12, R13 to produce the +4.5-volt output.

b. When the voltage across C9 is sufficient to fire unijunction transistor Q1, the charging current is bypassed through Q1 and resistor R11. The resulting positive voltage across R11 drives transistor Q2 into conduction, causing the output of the circuit to fall to 0 volt.

c. After capacitor C9 has discharged through the emitter of Q1, the current into the emitter of Q1 is insufficient to maintain conduction. Thus, Q1 goes into cutoff. The resulting 0-volt output across R11 causes Q2 to go into cutoff. Thus, the output voltage returns to 4.5 volts.

d. Capacitor C9 begins charging again as described in c above. The cycle repeats indefinitely as long as power is present. The repetition rate is determined by the time required to charge capacitor C9. This is adjusted by potentiometer R9.

e. The 4.5-volt and 0-volt outputs are applied to the CL, J, and K inputs of flip-flop Z23, which acts as a frequency divider producing an output of one half the input. The signal from the 1 output of flip-flop Z23 is 4.8 kc.

3-64. Fault Detector

a. Tape Conditions.

(1) A slack tape condition inhibits the ready signal only when the perforator is operating in conjunction with the printer interpreter (slave operation). A slack tape condition indicates that the perforator is punching data at a rate in excess of the rate of which the printer interpreter is printing data. If a slack tape condition occurs, the normally open contacts on the

slack tape switch (S4) close, resulting in a high level signal. The high level signal is inverted by inverter Z19B, and the output is gated through AND gate Z13A by a low level slave signal. The slave signal remains a low level whenever the perforator and printer interpreter are used in conjunction. The AND gate produces a high output level which disables AND gate Z13B. The resulting low level from the AND gate is routed to the CCU or keyboard (depending on which is in control of the low speed paper tape punch).

(2) If the perforator is operating independently of the printer interpreter, a slack tape condition is not a basis for preventing the generation of the ready signal. Thus, a high level slave signal is always present at the input to AND gate Z13A. The AND gate is maintained in a disabled state, which results in a continuous low output level. If a low tape condition does not exist, AND gate Z13B is maintained in an enabled state. Thus, the low level caution signal is not generated.

(3) If a low tape condition exists (whether the perforator is operating in conjunction with the printer interpreter or not), a high level tape signal is routed from the low tape switch to AND gate Z13B. The AND gate is disabled, resulting in a low level caution signal to the CCU or keyboard.

(4) When the perforator is operating in conjunction with the printer interpreter, a tight tape condition would occur if the printer interpreter interpreted data at a rate in excess of the rate that the perforator processed data. If this condition occurs, a tight tape switch (S3) produces a high level which is applied to the set input of latch Z12. The resulting high level from the 0 output of the latch is routed to TIGHT TAPE lamp DS9 on the control panel. Thus, the lamp is illuminated, providing a visual indication of the fault condition. In addition, the high level is passed through OR gate Z17A, resulting in a fault 1 signal which prevents the generation of a ready signal.

(5) If the tape supply is not replenished before the remaining supply dwindles to minimum tolerance, or tears between the punch head and supply reel, an end of tape switch closes to produce a high level output. The high level is passed through buffer Z22A to AND gate Z16E. The AND gate is conditioned in the remote mode by a low level load test signal. The signal is inverted to a high level by inverter Z15B, and routed to AND gate Z16B. Thus, the high level from buffer Z22A is gated through, and applied to the set input of latch Z21. The resulting high level from the 0 output of the latch illuminates TAPE OUT lamp DS6 on the control panel to provide a visual indication of the fault condition. In addition, the high level is passed through OR gate Z17A, resulting in the generation of the fault 1 signal, which inhibits the ready signal.

b. *Punch Fuse Fault.* The power input for each of the punch solenoids in the punch mechanism is routed through a fuse. In the event that a fuse fails, a low level is applied to AND gate Z15A which produces a high level output. The high level is applied to the clear input of latch Z18. The resulting high level from the 1 output illuminates PUNCH FUSE lamp DS2 on the control panel. Thus, a visual indication of the fault condition is provided. In addition, the high level from the 1 output of the latch is passed through OR gate Z17A, resulting in the generation of the fault 1 signal, which inhibits the ready signal.

e. *Parity Error.* If a parity error occurs, a positive parity error pulse from the parity comparator is applied to the clear input of latch Z11. The resulting high level from the 1 output illuminates PARITY ERROR lamp DS3 on the control panel. Thus, a visual indication of the fault condition is provided.

In addition, the high level from the 1 output of the latch is passed through OR gate Z17B to the ready control circuit to prevent the generation of a ready signal.

d. *Punch Error.* If a punch error occurs, a positive echo error pulse from the punch comparator is passed through OR gate Z17B to the ready control circuit to inhibit the generation of a ready signal.

3-65. Printer Interpreter Step Generator

The printer interpreter receives step pulses from the step generator on PC card A1A10 (fig. 8-13). The step pulses are generated in either an independent or slave mode of operation.

a. In the independent mode of operation, a positive pulse from the normally open contacts of the printer interpreter START switch, when the switch is pressed, clears latch Z15. The resulting low level from the 1 output of the latch conditions AND gate Z16B. A second input to the AND gate is a low level since the slave monitor generates a low level during the independent mode. Clock pulses from the clock pulse generator are now inverted and gated through AND gate Z16B to OR gate Z16A. The resulting positive output pulses from the OR gate enable the printer interpreter to step a column each time a pulse is received.

b. When a slave mode of operation is in effect, AND gate Z12A is conditioned by a low level from the slave monitor. Whenever an advance pulse is received from the timing generator, the pulse is gated through AND gate Z12A and OR gate Z16A to enable the printer interpreter to step a column.

3-66. Introduction to Code Conversion

The paper tape punch receives the characters contained in a message, one column at a time, identified by the seven bit ASCII code. The characters can be punched in the tape, as received in the ASCII code, or can be converted to the five bit ITA-2 code. The effect of code conversion is illustrated in figure 3-34 for characters C, O, D, E, and # punched in columns 1 through 5. Thus, character C is represented in ASCII code by positive pulses for bits 1, 2, and 7. After conversion to the ITA-2 code, the same character (C) is represented by positive pulses of the same pulse width for bits 2, 3, and 4.

3-67. ASCII Code

a. Illustrated in table 3-1 are the 128 characters identified by the seven bit ASCII code. However, with certain exceptions, only the characters positioned in columns 2 through 5, rows 0 through 15, are converted into the ITA-2 code.

b. The characters in columns 0 and 1, with the exception of control functions BEL, LF, CR, SO, and SI, are considered invalid characters. If the ASCII codes identifying the control functions appear, these characters are converted into an ITA-2 code equivalent. However, if the ASCII code identifying any of the remaining characters appears, the code converter converts the ASCII code into the ITA-2 code identifying a space character.

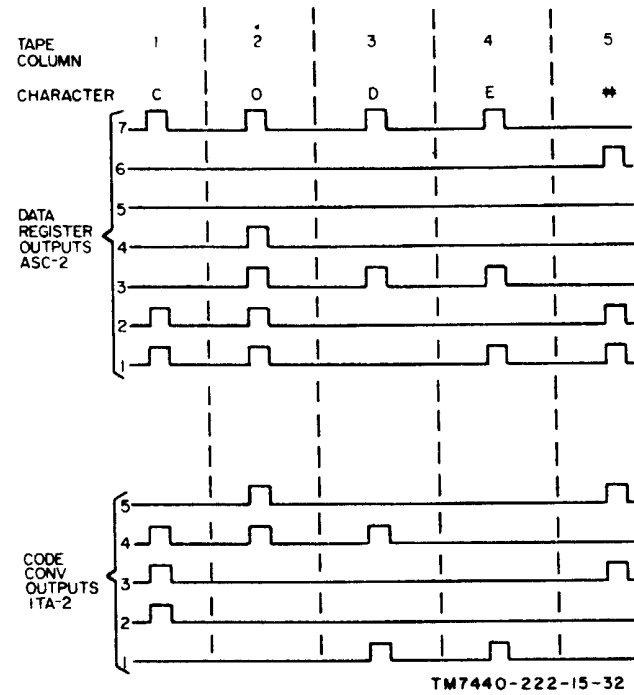


Figure 3-34. ASCII to ITA-2 conversion.

Table 3-1. ASCII Code Chart

		Columns								
		0	1	2	3	4	5	6	7	
Rows	Data bits	7	0	0	0	0	1	1	1	1
		6	0	0	1	1	0	0	1	1
		5	0	1	0	1	0	1	0	1

Rows	4	3	2	1						
0	0	0	0	0	BL	DLE	SP	0	\	P
1	0	0	0	1	SOH	DC1	!	1	A	Q
2	0	0	1	0	STX	DC2	"	2	B	R
3	0	0	1	1	ETX	DC3	#	3	C	S
4	0	1	0	0	EOT	DC4	\$	4	D	T
5	0	1	0	1	ENQ	NAK	%	5	E	U
6	0	1	1	0	ACK	SYN	&	6	F	V
7	0	1	1	1	BEL	ETB	'	7	G	W
8	1	0	0	0	BS	CAN	(	8	H	X
9	1	0	0	1	HT	EM	)	9	I	Y
10	1	0	1	0	LF	SS	*	:	J	Z
11	1	0	1	1	VT	ESC	+	;	K	[
12	1	1	0	0	FF	FS	&	<	L	~
13	1	1	0	1	CR	GS	-	=	M	|
14	1	1	1	0	SO	RS	.	>	N	^
15	1	1	1	1	SI	US	/	?	O	_

Table 3-2. ITA-2 Code Chart

ITA-2 punch	ITA-2 code out					ITA-2 punch	ITA-2 code out						
	5	4	3	2	1		5	4	3	2	1		
!	0	1	1	0	1	UC	E	0	0	0	0	1	LC
"	1	0	0	0	1	UC	F	0	1	1	0	1	LC
#	1	0	1	0	0	UC	G	1	1	0	1	0	LC
\$	0	1	0	0	1	UC	H	1	0	1	0	0	LC
&	1	1	0	1	0	UC	I	0	0	1	1	0	LC
'	0	1	0	1	1	UC	J	0	1	0	1	1	LC
(	0	1	1	1	1	UC	K	0	1	1	1	1	LC
)	1	0	0	1	0	UC	L	1	0	0	1	0	LC
,	0	1	1	0	0	UC	M	1	1	1	0	0	LC
-	0	0	0	1	1	UC	N	0	1	1	0	0	LC
.	1	1	1	0	0	UC	O	1	1	0	0	0	LC
/	1	1	1	0	1	UC	P	1	0	1	1	0	LC
0	1	0	1	1	0	UC	Q	1	0	1	1	1	LC
1	1	0	1	1	1	UC	R	0	1	0	1	0	LC
2	1	0	0	1	1	UC	S	0	0	1	0	1	LC
3	0	0	0	0	1	UC	T	1	0	0	0	0	LC
4	0	1	0	1	0	UC	U	0	0	1	1	1	LC
5	1	0	0	0	0	UC	V	1	1	1	1	0	LC
6	1	0	1	0	1	UC	W	1	0	0	1	1	LC
7	0	0	1	1	1	UC	X	1	1	1	0	1	LC
8	0	0	1	1	0	UC	Y	1	0	1	0	1	LC
9	1	1	0	0	0	UC	Z	1	0	0	0	1	LC
:	0	1	1	1	0	UC	CR	0	1	0	0	0	
;	1	1	1	1	0	UC	LF	0	0	0	1	0	
?	1	1	0	0	1	UC	Bell	0	0	1	0	1	
A	0	0	0	1	1	LC	Figures	1	1	0	1	1	
B	1	1	0	0	1	LC	Letters	1	1	1	1	1	
C	0	1	1	1	0	LC	Space	0	0	1	0	0	
D	0	1	0	0	1	LC	Blank	0	0	0	0	0	

c. If the ASCII code identifying any character positioned in columns 6 or 7, rows 0 through 15, is received, the code converter folds the columns over to columns 4 and 5, rows 0 through 15, respectively. For example, the character positioned in column 6, row 1, is folded over to column 4, row 1.

d. Certain characters in columns 2 through 5, rows 0 through 15, are also considered invalid characters and are converted to the ITA-2 code identifying the space character. These characters are positioned in column 5, rows 11 through 15; column 3, rows 12 through 14; column 2, row 5 and row 10; and column 4, row 0.

e. Characters positioned in columns 2 and 3 (with the exception of the invalid characters) are considered, for ITA-2 code conversion, as figures characters. Characters positioned in columns 4 and 5 are considered letters characters.

f. Table 3-2 illustrates the characters used by the paper tape punch after conversion to the ITA-2 code.

3-68. Code Converter, Block Diagram (fig. 3-35)

a. *ASCII Decoding.* To convert the characters encoded in seven ASCII data bits into the equivalent characters encoded in five ITA-2 data bits, it is first necessary to decode the individual ASCII characters. This is accomplished as follows:

(1) First the characters represented by the seven ASCII data bits are converted to a two-digit octal code. The first three bits of the ASCII code specify the least significant digit of the octal code. These three bits are converted to their octal equivalent (0 through 7) by a binary to octal converter which identifies the rows in an 8 x 8 matrix (table 3-3). The last four bits of the ASCII code are used in specifying the most significant digit of the octal code. This digit identifies the columns (0 through 7) in the 8 x 8 matrix.

Rows	Data bits	Columns							
		0	1	2	3	4	5	6	7
		7	0	0	0	0	1	1	1	1
6	1	1	1	1	0	0	0	0	
5	0	0	1	1	0	0	1	1	
321	4	0	1	0	1	0	1	1	
0	000	SP	(	0	8	`	H	P	X
1	001	!	)	1	9	A	I	Q	Y
2	010	"	*	2	:	B	J	R	Z
3	011	#	+	3	;	C	K	S	[
4	100	\$	'	4	<	D	L	T	~
5	101	%	-	5	=	E	M	U]
6	110	&	.	6	>	F	N	V	^
7	111	'	/	7	?	G	O	W	-

Table 3-3. ASCII to Octal Matrix Code

(2) Any character in the 8 x 8 matrix is identified by the intersection of the row and column. Thus, the row and column select signals from the binary to octal converter are decoded by a decode matrix which activates one of 64 output lines, depending on the intersection of row and column. Because 10 of the characters in the matrix are considered invalid, only 54 output lines are actually used.

b. *ITA-2 Encoding.* Once the ASCII characters are decoded onto 54 separate lines, the conversion to a five-bit ITA-2 code can be performed. This is done as follows:

(1) First, the 54 characters are encoded as two octal digits represented by eight bits each. The two octal digits (designated F and G) can be represented by the ITA-2 matrix in table 3-4.

(2) The circuit which converts the 54 separate lines to the octal row and column code is called an encode matrix. This circuit activates a different combination of column and row for each of the 54 characters.

(3) Once the conversion to octal coding is complete, the two-digit octal code is converted into its ITA-2 equivalent by encoding each octal digit into the binary code specified in table 3-4. This conversion is performed by an octal to binary converter which produces the five ITA-2 data bits.

(4) The five data bits used to express ITA-2 characters allow for a total of only 32 combinations. Therefore, the 8 x 8 matrix in table 3-14 is divided into two halves with the characters in columns 0 through 3 being figures characters and those in columns 4 through 7 being letters characters. The figures and letters characters have the same values for data bits 4 and 5 (column 0 corresponds to column 4, column 1 corresponds to column 5, etc.).

	G0	G1	G2	G3	G4	G5	G6	G7
F0	BL	CR	5	9	-	.	T	O
F1	3	\$	"	?	E	D	Z	B
F2	LF	4	)			R	L	G
F3	-	'	2	FIG	A	J	W	FIG
F4	SP	,	#	.		N	H	M
F5	BEL		6	/	S	F	Y	X
F6	8	:	0	;	I	C	P	V
F7	7	(	1	LET	U	K	Q	LET

Table 3-4. 8 X 8 Matrix ITA-2 Code

(5) To distinguish whether a given character is a letters or figures character, a shift is made by generating a LET or FIG character when going from figures to letters, or letters to figures, respectively. This is accomplished by the letters/figures shift generator which initiates an ITA-2 LET or FIG. shift character whenever required. To provide a letters/figures indication for each character, the letters/figures shift generator monitors ASCII data bits 6 and 7. These bits are 10 for figures characters and 01 for letters characters.

(6) Certain combinations of ASCII data bits are considered invalid characters or are control functions. The control function detector and the invalid character detector circuit monitor each seven-bit representation received, but are enabled only for specific combinations which are designated as invalid characters or control functions. If the character is an invalid character, a space signal is routed directly to the octal to ITA-2 converter to generate the ITA-2 identification for a space character which is punched in the tape. A control function prevents the conversion of data bits 1 through 5, but enables the octal to ITA-2 converter to generate the ITA-2 representation of the control function.

3-69. Deleted.

3-70. Binary to Octal Converter

The ASCII data bits are converted to the octal form by the binary to octal converter resulting in the 8 x 8 matrix illustrated in table 3-3.

a. Data bits 1, 2, and 3 (bit values 1, 2, and 4) are converted to complementary form by AND gates Z20A and Z24A and by inverters Z20B, Z24B, Z28A, and Z28B on PC card A1A14 (fig.

8-17). Similarly, data bits 4 and 5 (bit values 8 and 16) are converted to complementary form by AND gates Z10B and Z11A and inverters Z10A and Z11B.

b. The row binary to octal conversion is performed by eight AND gates on PC card A1A14, each monitoring a different combination of data bits 1, 2, and 3 and determining the row position of a particular character.

(1) If, for example, ASCII data bits 3, 2, and 1 are 101, respectively, then not-functions of data bits 1 and 3 are low levels from the row steering circuit, and the true function of data bit 2 is a low level. Thus, the three inputs to AND gate Z19B are low levels which enable the AND gate, resulting in a low level output. The remaining AND gates are inhibited.

(2) Data bits 3, 2, and 1 have the binary equivalents 4, 2, and 1. Since bit 2 is allow level, the binary sum is then 421 or five. Therefore, any character which contains the binary value of five will be in the fifth row in the 8 x 8 matrix of table 3-3.

c. The column binary to octal conversion is performed by eight AND gates monitoring different combinations of data bits 4, 5, 6, and 7. The different combinations determine the column position of any particular character.

(1) ASCII data bits 4 and 5 (bit values 8 and (16) have four possible combinations which are decoded by two sets of four AND gates (Z14A, Z14B, Z18A, Z18B, and Z22A, Z22B, Z26A, Z26B). The first set of four AND gates is used to decode columns 0 through 3 of the ASCII to octal matrix (table 3-3) and the second set is used to decode columns 4 through 7.

(2) The two sets of columns can be distinguished by bits 6 and 7 (bit values of 32 and 64) which are 10 for the first four columns and 01 for the second four columns. To select the first four columns, AND gate Z3A is enabled only bit 6 is a 1 (32 is low) and bit 7 is a 0 (64C is low). This condition is expressed by the term 32 + 64 which is used as input to the first four AND gates. To select the other four columns, OR gate Z25B on PC card A1A13 (fig. 8-16) is activated when bit 6 is a 0 (32 is high) or when bit 7 is a 1 (64C is high). Either condition results in a low output from Z25B. This output, which-is termed 32 64, is applied to the second set of four AND gates. Since bit 6 is a 0 and bit 7 is a 1 for columns 4 through 7, the four AND gates are conditioned for these columns.

(3) The outputs of the eight column decoder AND gates are designated 00 through 70 to correspond to the eight columns being decoded.

These outputs are used to select columns 0 through 7 in the decoder matrix as described in paragraph 3-71.

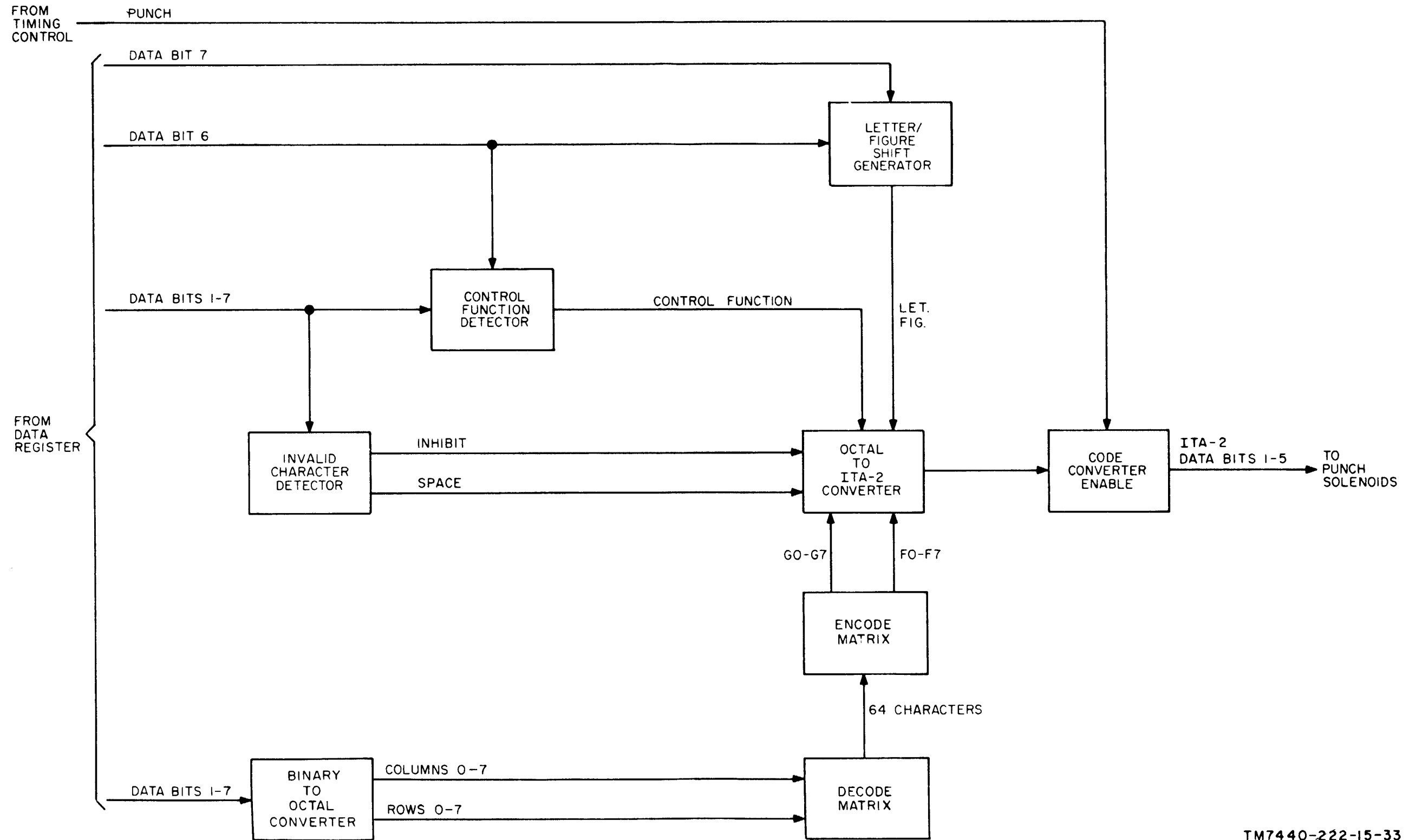
3-71. ASCII Decoding

To convert the 64 characters encoded in 7 ASCII data bits into the equivalent characters encoded in 5 ITA-2 data bits, it is first necessary to decode each of the 64 ASCII character codes. This is accomplished in two stages.

a. First, the characters represented by the 7 ASCII bits are converted to a 2-bit octal code in which each octal digit is represented by eight lines, only one of which is activated at any time. The 2-bit octal code can be represented by the 8 x 8 matrix shown in table 3-4.

In this matrix, one octal digit specifies a column while the second octal digit specifies a row.

b. Each of the 64 positions in the matrix is specified by a different combination of the two octal digits., Thus, the 8 x 8 matrix specifies the octal coding for the 64 ASCII characters. Once the ASCII code is converted to two octal digits, each of the 64 characters can be decoded by monitoring its specific column row combination.



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Figure 3-35. Code converter, block diagram.

Change 2 3-24.1

c. Each of the 64 combinations from PC card A1A14 are routed through two particular OR gates on PC card A1A15 (fig. 8-18). In the case of characters positioned in column 0 or row 0 only one OR gate is used. The OR gate (or OR gates) pass the high level signal to the encoder.

3-72. Encoding

a. The encoder receives the 54 characters which have been decoded onto 54 separate lines and encodes the 54 characters as two octal digits represented by eight lines each. The two octal digits (designated F and G) for each character are represented by the matrix in table 3-4.

b. Each character received from the decoder is passed through a prefixed combination of OR gates (or one OR gate for any characters in column 0, and row 0, table 3-4) on PC card A1A16 (fig. 8-19). The outputs of the OR gates enabled route a high level on the G and F output lines to the octal to ITA converter. Only one combination of OR, gates is enabled for any character.

3-73. Octal to ITA-2 Converter

The row and column digits from the encode matrix are converted into the five-bit ITA-2 code by the octal to ITA-2 converter. Each five-bit ITA-2 group identifies both a figure and a letter character. The letter or figure distinction is made by the letter-figure shift generator discussed in paragraph 3-76.

a. Generation of ITA-2 bits 1, 2, and 3 is defined by rows F0 through F7 of the matrix illustrated in table 34.

(1) Data bits 1, 2, and 3 have the binary value of 1, 2, and 4 respectively. Each row selection digit is converted by feeding it to the buffer in the octal to ITA-2 converter on PC card A1A19 (fig. 8-22) which controls the binary equivalent lines.

(2) *For example.* the row F6 signal is fed to buffer Z10A, resulting in a high level output which simultaneously passes through OR gates Z10A and Z7A. The high level output from OR gate Z10A is inverted by OR gate Z11A, and the high level output from OR gate Z7A is inverted by OR gate Z8B.

(3) The resulting low level output from OR gate Z11A appears at the input to AND gate Z11B, and the resulting low level from OR gate Z8B appears at the input to AND gate Z12A.

(4) If the character defined by the code is not an invalid character, control function, or space, the other inputs to AND gates Z11B and Z12A are low levels which enable these gates. The resulting high level from AND gate Z12A is passed through OR gate Z16B and represents data bit 2. The resulting high level from AND gate Z11B is passed through 3-24.2 Change 2 OR gate Z18A and represents data bit 3. Thus, a character in row F6 produces a high output on data bit 2 and 3 lines. (Binary value is 2 + 4 = 6.)

(5) When none of the seven row select digits are activated, a row FO selection is indicated. In this case, all the three binary output lines remain low (000).

b. Generation of data bits 4, 5, and 6 are defined by columns G0 and G7 of the matrix.

(1) Data bits 4, 5, and 6 have the binary value of 1, 2, and 4, respectively. Each column selection digit is converted by feeding it to the octal to ITA-2 converter which controls the binary equivalent lines.

(2) For example, a high level appearing on the column G1 line is inverted by OR gate Z5B, resulting in a low level which appears at the input to AND gate Z9B. If the character defined by the code is not an invalid character, control function, or space, the other inputs to AND gate Z9B are low levels and the gate is enabled.

(3) The resulting high level output from AND gate Z9B is passed through OR gate Z14A. The high level from this OR gate is passed through OR gate Z18B, identifying data bit 4. Therefore, a character in column G1 produces a high level output on the data bit 4 line.

(4) When none of the seven column select digits are activated, a column Go selection is indicated. In this case, both binary output lines (data bits 4 and 5) remain low (00).

c. In the event that a column which was punched is to be deleted, the ASCII code configuration received contains all the data bits. After the tape is backspaced, if all the bits are present (high levels) AND gate Z17A (on PC card A1A19) is enabled. The resulting high level is passed through OR gate Z13A and applied to each OR gate associated with a data bit. Thus, data bits 1 through 5 are generated and routed to the punch mechanism. In this manner, each row in the column to be deleted is punched.

d. In the event that a function control character appears, the code identifying the character is applied directly from PC card A1A13 to the octal to ITA-2 converter which then produces the equivalent ITA-2 code.

3-74. Invalid Character Detector

Characters positioned in columns 0 and 1, table 3-1 are considered invalid characters. With the exception of control functions BEL, CR, LF, SO, and S1, the remaining characters do not have an ITA-2 code equivalent. This is also true of the special characters positioned within columns 2 through 5 (*b* below). Therefore, if the ASCII code identifying any of these characters is received by the paper tape punch, the ASCII code is converted into the ITA-2 code identifying a space character.

a. *Invalid Characters in Columns 0 & 1.* Characters positioned in columns 0 and 1, rows 0 through 15, significantly differ from the characters positioned in columns 2 through 7, in that data bits 6 and 7 are not true (00). It is through this difference in ASCII code that invalid characters are detected and eliminated (punched as a space).

(1) Any character in columns 0 and 1 received by the paper tape punch (invalid characters and control functions) results in the appearance of low levels on the 32C and 64C input lines of AND gate Z17A in the invalid character detector circuit on PC card A1A13 (fig. 8-16). If the character received is not a function character, the third input to this AND gate is also a low level and the AND gate is enabled.

(2) The resulting high output level is passed through OR gate Z13B to PC card A1A19 which generates the ITA-2 code identifying a space character.

b. *Special Invalid Characters in Columns 3 and 5.* Special invalid characters in columns 3 and 5 of the ASCII matrix (table 3-1) are detected by OR gates Z26A, Z5B, Z1A, and Z1B which monitor the specific outputs of the 64-bit ASCII decoder. When any of the 11 invalid characters being monitored is detected, a high level is passed through OR gate Z5A, Z9A, and Z13B to the spare output.

c. *Space Character.* The space character is 00000010 in ASCII code. The 000 value for the first three bits results in a low level on the $\overline{07}$ line to AND gate Z13A. The remaining four bits are designated 8, 16, 32, and 64. The 00 value for bits 8 and 16 results in low inputs to Z13A on the 8C and 16C lines. The resulting low output Z13A is applied to AND gate Z21A which also receives low levels on the $\overline{32}$ line (the 32 bit is a 1) and the 64C line (the 64 bit is a 0). The resulting high output of Z21A is passed through Z9A and Z13A to activate the space line.

d. *Special Invalid Character in Column 4.* There is one invalid character in column 4 of the ASCII matrix (table 3-4). This is the character which appears in row 0. Since the value of the first five bits (1, 2, 4, 8, and 16) is the same as for the space character, the output of AND gate Z13A (which is low when all five bits are 0) is fed to AND gate Z17B. The other input to this AND gate is low when the 64 bit is a 1. Column 4 is the only column for which the 8 and 16 bits are 0 and the 64 bit is 1. Thus, if the character in row 0, column 4, is received, Z17B is enabled to produce a high output which is fed through OR gate Z13B to the space output.

3-75. Function Control Detector

The characters CR, BEL, LF, NUL, SO, SI, and BL positioned in column 0 (table 3-1) are nonprintable characters (external printing equipment does not have a font on the print drums for these characters). However, since these characters are used to perform functions in external equipment, they are converted to ITA-2 code equivalents.

a. Referring to the ASCII code matrix (table 3-1), it can be seen that the carriage return character (CR) is in the same row as the character M (row 13). Also, since CR is in column 0 (000) and AM is in column 4 (100). The only difference in coding is the most significant bit (64) which is 0 for CR and 1 for M. The character M is in column 5 of the ASCII to octal matrix (table 3-4). This column is selected by the $\overline{32}$ $\overline{64}$ signal to the column binary to octal converter on PC card A1A14 (fig. 8-17). The $\overline{32}$ $\overline{64}$ signal is low (active) whether or not the 64 bit is a 1 as long as the 32 bit is a 0. Thus, the decoder of the character M in the decode matrix is satisfied for character M and for CR. Thus, the CH M signal is applied to AND gate Z10A on PC card A1A13 (fig. 8-16) which is enabled only when bit 64 is a 0 (line $\overline{64}$ is high). When these conditions are satisfied a high level carriage return signal is produced. A similar method is used for decoding the other function control characters as follows:

Control function	AND gate	Similar character
Line feed (LF)	Z10B	J
Shift out (SO)	Z22B	N
Shift in (SI)	Z22A	O
Bell (BEL)	Z23B	G
Blank (BL)	Z23A	\

b. Whenever any of the function control characters is decoded, an inhibit signal is produced by OR gate Z11 and inverter Z25A. This signal is used to inhibit the octal to ITA-2 converter, thereby preventing the generation of an ITA-2 output code. This prevents the corresponding alphabetic character for each function control character from being generated.

3-76. Letters/Figures Shift Generator

The letters/figures shift generator monitors ASCII data bits 6 and 7 and determines when a shift from a letters to a figures character or a figures to a letters character occurs, and generates the appropriate command.

a. When a message starts, a positive start of message (SOM) pulse from PC card A1A4 appears at the clear input of latch Z19 in the letters/figures shift generator on PC card A1A13 (fig. 8-16). The resulting high level from the Z19B condition AND gates Z8A and Z8B.

b. If the first character is a letters character, then data bit 7 from PC card A1A9 appears as a high level on the 64C input line to OR gate Z4A. The resulting high level output enables AND gate Z8B to keep flip-flops Z12 and Z16 cleared for the duration of the 64C signal. The Z4A output also appears at the J input to flip-flop Z12.

(1) When the shift L/F pulse from the timing decoder on PC card A1A7 is gated through AND gate Z15A and buffer Z4B to the CL input of flip-flop Z12, the flip-flop is set. Simultaneously, the shift L/F pulse appears at the CL input of flip-flop Z16 which causes the flip-flop to remain cleared.

(2) The low level from the 0 output of flip-flop Z12 and the low output from the 1 output flip-flop Z16 now appear at the input to AND gate Z20B. The third input to this AND gate is always a low level unless the shift in ASCII code (SI) identifying shift to figures (0001111) is received. The resulting high level from AND gate Z10B is passed through OR gate Z2B for a letters command. Furthermore, the high level output from AND gate Z10B is passed through OR gate Z2A resulting in a high data inhibit signal.

(3) The shift L/F pulse also clears latch Z19 so that AND gates Z8A and Z8B are disabled. Thus, direct setting or clearing of flip-flops Z12 and Z16 is possible only at the start of a message.

(4) The shift L/F pulse is prevented from initiating a letters/figures shift by AND gate Z15A in the manual tape feed mode. In the manual tape feed mode, a low level on the line is fed directly to AND gate Z15A. When switching out of the manual tape feed mode, the positive step on this line sets latch Z28. The latch is automatically cleared when capacitor C2 is sufficiently charged to remove the latching input to Z28A. During the time that Z28 is set, a low level from inverter Z24A inhibits Z15A.

c. With the conditions described, the first punch cycle results in an ITA-2 letters code (11111) punched in the tape. On the second cycle, the character is punched in the tape.

d. At the start of the second cycle, the shift L/F pulse again appears at the CL inputs of flip-flops Z12 and Z16.

(1) The J input to flip-flop Z12 is still a high level (from OR gate Z4A) so this flip-flop remains in the set state. The J input to flip-flop Z16 however, is now a high level so this flip-flop is set.

(2) The high level from the 1 output of flip-flop Z16 inhibits AND gate Z20B and no further letters commands or data inhibit signals are generated.

(3) The letters/figures shift generator remains disabled until such time as a change from letters characters to figures characters occurs.

e. When a figures character appears it is identified by a 0 for data bit 7.

(1) The low level on line 64C from PC card A1A9 appears on the 64 input line to AND gate Z21B. At the same time a low level from the data register appears on the 72 input line, to AND gate Z21B. If the character is valid, the input to Z21B from OR gate Z13B (space) is also low.

(2) Thus, AND gate Z21B is enabled, resulting in a high level which is passed through OR gate Z7A and the high level output of this OR gate appears at the K input to flip-flop Z12. When the shift L/F pulse appears at the CL input to Z12, the flip-flop is cleared.

(3) However, since the previous character was a letter, a high level from the 1 output of Z12 is at the J input of flip-flop Z16. Therefore, the shift L/F pulse does not cause this flip-flop to change from its set state.

(4) The resulting low levels from 1 output of flip-flop Z12 and from the 0 output of flip-flop Z16 enable AND gate Z20A. The high level output from this AND gate is passed through OR gate Z26B, resulting in a high level figures command.

(5) The high level from AND gate Z20A is also passed through OR gate Z2A to result in a low level data inhibit signal.

f. With the conditions described, the punch cycle results in an ITA-2 figures code (11011) punched in the tape. On the next cycle the character is punched in the tape.

g. At the start of the next cycle the shift L/F pulse again appears on the CL inputs of flip-flops Z12 and Z16.

(1) The K input to flip-flop Z12 is still at a high level (from OR gate Z7A) so this flip-flop remains in the clear state. However, the K input to flip-flop Z16 is now a high level so this flip-flop is cleared.

(2) The high level from the 0 output of flip-flop Z28 disables AND gate Z20A and no further figures commands or data inhibit signals are generated.

h. Whenever the shift in (SI) function control code is decoded by AND gate Z22A, OR gate Z2B is activated to produce the output letters command. Similarly, whenever the shift out (SO) function control code is decoded by AND gate Z22B, OR gate Z26B is activated to produce a figures command. The SI signal also activates the J input to flip-flop Z12 through OR gate Z4A so that this flip-flop is set by the shift L/F pulse occurring during the SI character time. This shifts the letters/figures shift generator to a letters character. Similarly, the SO signal also activates the K input to flip-flop Z12 through OR gate Z7A. This shifts the letters/figures shift generator to a figures character.

i. If the ASCII code identifying a BEL control function occurs, the letters/figures shift generator shifts to a letters character. The BEL code is detected by AND gate Z23B which activates OR gate Z7A to enable flip-flop Z12 to be cleared.

j. If a delete character is generated or if any invalid character or function control character (except BEL) is received before the first data request of a message, the letters/figures generator also shifts to a letters character.

(1) The generation of a delete character results in a high level on line BEL to OR gate Z14B. The resulting high output enables AND gate Z3A to activate OR gate Z4A.

(2) If the function control character is the BEL character, AND gate Z3A is disabled by a low level from inverter Z6A. The high level at the input of Z6A is applied directly to OR gate Z7A to cause a shift to a figures character.

(3) A conditioning input to Z15A is provided by latch Z18 which is set at the start of a message by the SOM pulse. At the first data request pulse, Z18 is cleared so that Z15A is disabled.

(4) To prevent a letters shift during manual tape feed, AND gate Z14B is inhibited by a low level on the manual tape feed line.

3-77. Deleted

3-78. Code Converter Bypass

When the data received in ASCII code is not converted to the ITA-2 code, the data bits are routed through the code converter bypass. Any ASCII data bits, 1 through 7 and parity bit 8, received by the paper tape punch appear as low level inputs to the code converter bypass circuit on PC card A1A12. The low level, representing a data bit, appears at the input of an associated AND gate. During the punch cycle, a positive punch pulse from PC card A1A7 is inverted by inverter Z5A in the code converter bypass circuit and the resulting low level output samples the inputs appearing at the AND gates. Those AND gates which are conditioned by a low level are enabled, resulting in a negative output pulse.

3-79. Transmit Interface Circuits

The ready signal from the ready control circuit is shifted from paper tape punch switching levels (0 volt and +4.5) volts) to CCU and keyboard interface switching levels (open circuit and 0 volt) by the

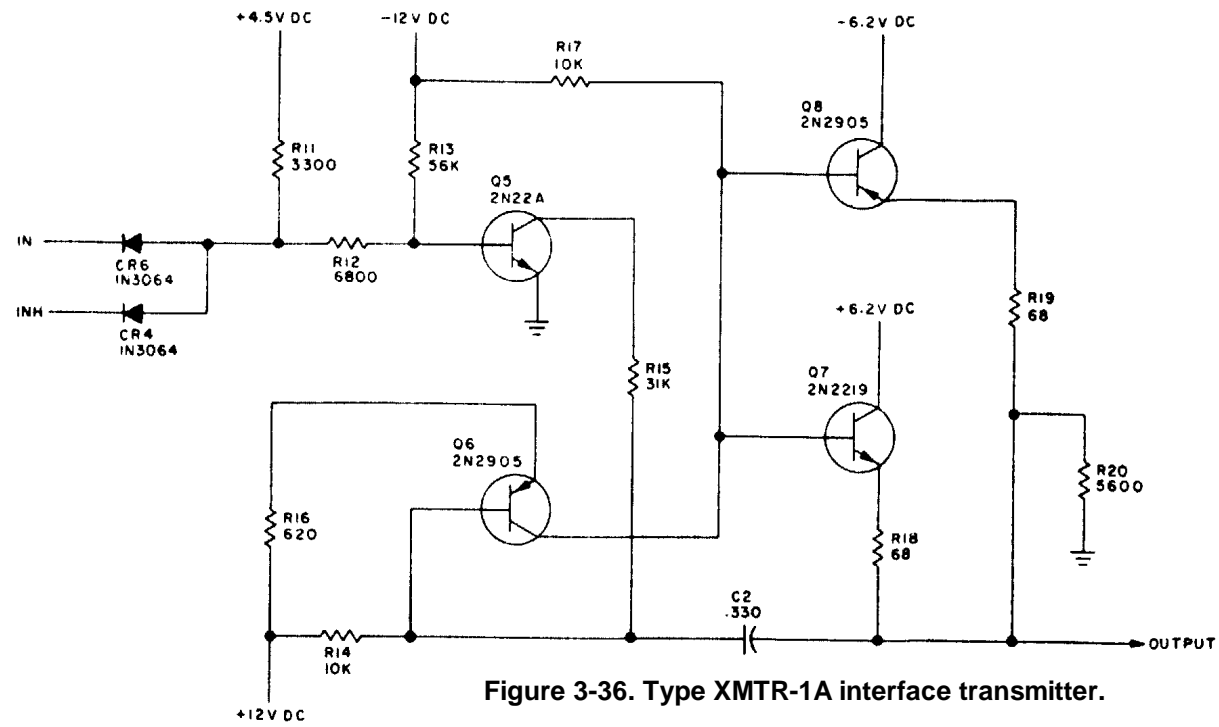


Figure 3-36. Type XMTR-1A interface transmitter.

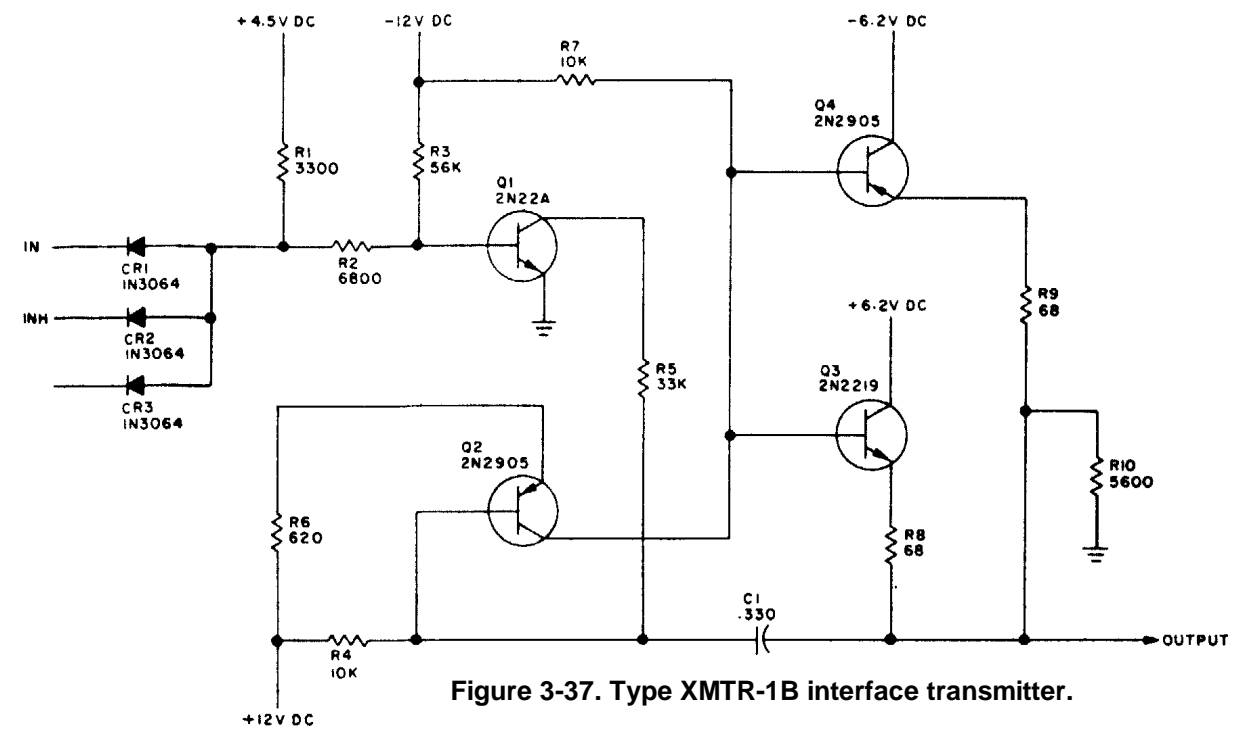
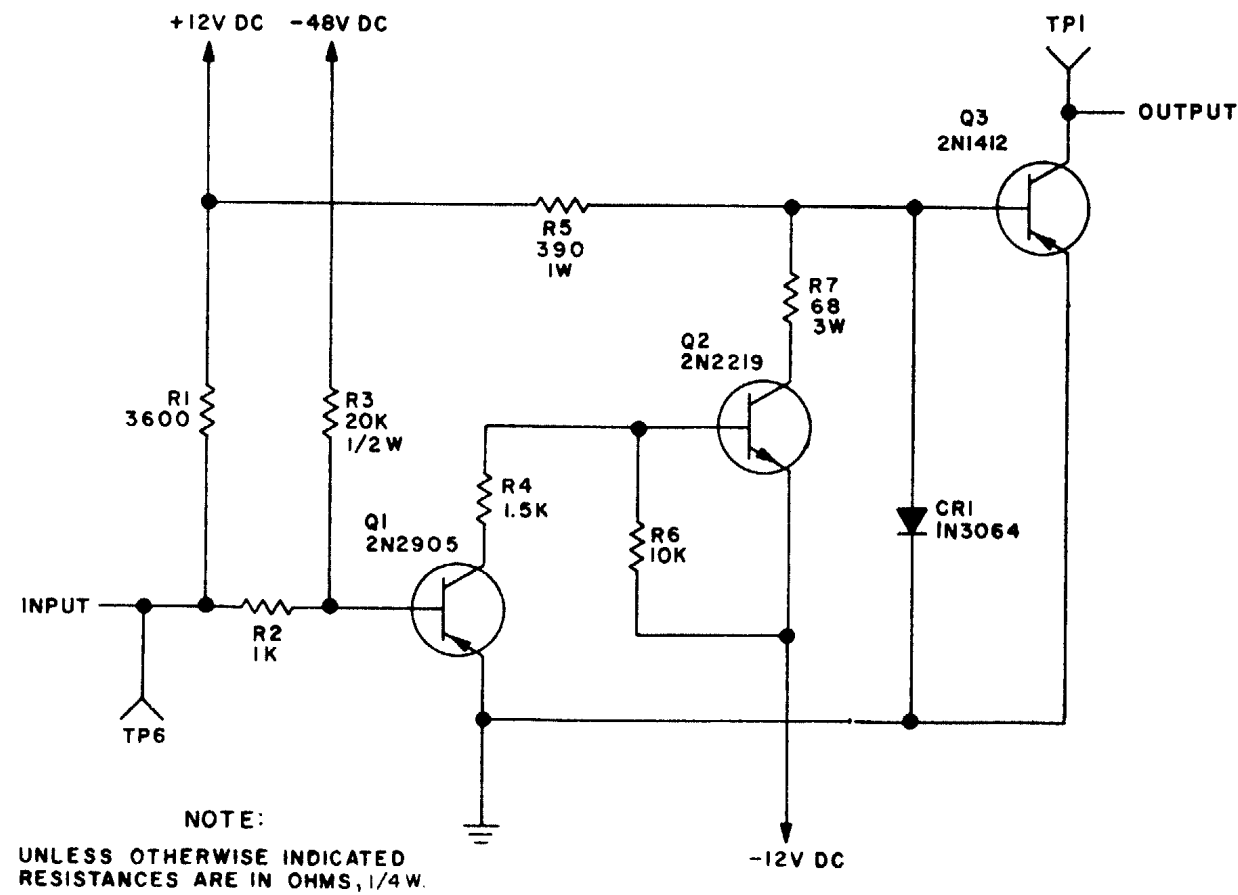


Figure 3-37. Type XMTR-1B interface transmitter.

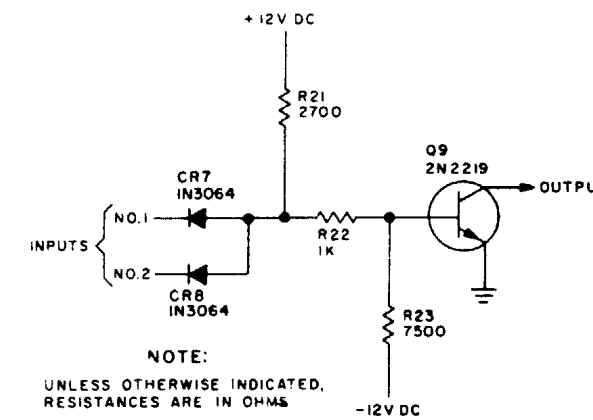


NOTE:
UNLESS OTHERWISE INDICATED
RESISTANCES ARE IN OHMS, 1/4 W.

Figure 3-35. Solenoid driver, schematic diagram.

NOTE:
UNLESS OTHERWISE INDICATED,
RESISTANCES ARE IN OHMS,
CAPACITANCES ARE IN UUF.

TM7440-222-15-35



NOTE:
UNLESS OTHERWISE INDICATED,
RESISTANCES ARE IN OHMS

TM7440-222-15-36

Figure 3-38. Type XMTR-2 interface transmitter.

Table 3-4.1. Solenoid Driver Components and Test Points

Solenoid drivers	Components and test points												
A	R1	R2	R3	R4	R5	R6	R7	CR1	Q1	Q2	Q3	TP6	TP 1
B	R8	R9	R10	R11	R12	R13	R14	CR2	Q4	Q5	Q6	TP7	TP 3
C	R15	R16	R17	R18	R19	R20	R21	CR3	Q7	Q8	Q9	TP8	TP 4
D	R22	R23	R24	R25	R26	R27	R28	CR4	Q10	Q11	Q12	TP9	TP 2

transmit interface circuits. This permits the CCU or keyboard to send the select signal through the receive interface circuits. When the select signal is present, a first data request signal, followed by additional data request signals, is gated through the transmit interface circuits to the CCU or keyboard. All signals are gated through the transmit interface circuit by the presence of a high level inhibit signal from the mode inhibit control circuit. If the CCU is in control of the paper tape punch, the inhibit signal enables those transmitters associated with the CCU to transmit the signals when generated by the paper tape punch logic. Simultaneously, those transmitters associated with the keyboard are disabled by a low level inhibit signal. If the keyboard is in control of the paper tape punch, the inhibit signal enables keyboard transmitters and disables CCU transmitters.

a. Ready Signal.

(1) The ready signal (RDYC) from the ready control to the CCU is inverted to an active level of 0 volt and an inactive open circuit by transmitter (D) on PC card A2 (fig. 8-6). The resulting ready (CRDY) output is sent to the CCU.

(2) The ready signal (RDYU) from the ready control to the keyboard is gated through transmitter (C) on PC card A2 (fig. 8-6). The resulting ready (URDY) output is sent to the keyboard.

b. Data Requests.

(1) The first data request to the CCU (FDRC) is gated into transmitter (A) on PC card A1 (fig. 8-5). Active first data requests are shifted to a + 6.2-volt level and transmitted to the CCU (CFDR). Inactive first data requests are shifted to a -6.2-volt level. Active subsequent data requests are gated into transmitter (B) on PC card A2 (fig. 8-6), shifted to a +6.2-volt level, and transmitted to the CCU (CDR).

(2) The first data request to the keyboard (FDRU) and subsequent data requests (DRU) are gated into transmitter (B) on PC card A1 (fig. 8-5) and transmitter (A) PC card A2 (fig. 8-6), respectively. The resulting levels of the transmitted signals (UFDR and UDR) are the same as described in (1) above.

c. Alarm Stop and Operator Alarm Signal.

(1) The alarm stop to the CCU (ALSC) and the operator alarm to the CCU (OALC) are inverted to an active level of 0 volt and an inactive open circuit level by transmitters (C) on PC card A1 (fig. 8-5) and (B) on PC card A2 (fig. 8-6), respectively. The resulting transmit CALS and COAL outputs are at ground when an alarm condition exists and open when no alarm condition exists.

(2) The alarm stop to the keyboard (ALSU) and the operator alarm to the keyboard (OALU) are inverted to an active level of 0 volt and an inactive open circuit level by transmitters (D) on PC card A1 (fig. 8-5) and (E) on PC card A2 (fig. 8-6), respectively. The resulting transmit UALS and UOAL outputs are at ground when an alarm condition exists, and open when no alarm condition exists.

d. Audible Alarm Reset Signal. The audible alarm reset signal is routed only to the CCU because the keyboard does not have an audible alarm. The signal is fed to transmitter (E) on PC card A1 (fig. 8-5). The resulting CAAR is at ground when the alarm is reset.

e. Keyboard Enable. When the keyboard is in control of the paper tape punch a high level keyboard inhibit (IUKE) signal gates a high level keyboard enable (KEU) signal into transmitter (F) on PC card A1 (fig. 8-5). This results in a ground supply to the keyboard.

3-80. Solenoid Driver Enable

a. The solenoid driver enable detects the presence of a data bit and enables the associated solenoid driver control. If a high level data bit is present it is inverted, sampled by a punch strobe, and routed to the associated solenoid driver control. For example, if data bit 1 from PC card A1A19 is a high level, it is inverted by inverter Z15B. The resulting low level appears at the input to AND gate Z7 in the solenoid drive enable circuit on PC card A1A12 (fig. 8-15).

b. At punch time (timing diagram fig. 3-33), a positive punch strobe from PC card A1A7 is inverted by inverter Z5A. The resulting negative output strobe samples the low level on AND gate Z20A, resulting in a negative output pulse.

3-81. Solenoid Driver Controls

a. There are 12 solenoid drivers on solenoid driver PC cards A4A1 A4A2, and AA3 (fig. 8-39, 8-40, and 8-41). The 12 solenoid driver controls are for data bits 1 through 8, sprocket, notch, advance, and backspace signals. Each solenoid driver is identical; therefore, only one is discussed.

b. A typical solenoid driver is shown figure 3-35.1. If a negative sprocket pulse from PC card A1A12 appears at the base of transistor Q1, transistors Q1, Q2, and Q3 go into conduction in sequence. When Q3 goes into conduction, a ground is applied to the solenoid.

3-82. Lamp Drivers

The lamp driver circuits located on PC card A1A20 (fig. 8-23) consist of a lamp driver for each of the indicators on the perforator control panel. When a particular lamp driver circuit is activated, a path is completed to light the associated indicator.

3-83. Operation of Discrete Circuit Logic Elements on PC Cards A1 and A2

a. Type XMTR-1A Interface Transmitter (fig. 3-36).

(1) An input from the paper tape punch logic, switching between 0 volt and +4.5 volts, is coupled through diode CR6. The input is applied through bias network R11, R12, and R13 to the base of transistor Q5. When the input is 0 volt, transistor Q5 is cut off. Current from the + 12-volt power source charges capacitor C2 which keeps transistor Q6 cut off. A negative voltage from the -12-volt power source is applied to the base of transistors Q7 and Q8. Transistor Q7 is cut off and transistor Q8 is driven into conduction. Transistor Q8 produces a -6-volt output across voltage divider R19, R20.

(2) When the input is +4.5 volts, transistor Q5 is driven into conduction. The charging path for capacitor C2 is now bypassed through resistor R15 and transistor Q5. Thus, transistor Q6 is driven into conduction. A voltage divider network consisting of resistors R16, R17 and transistor Q6, produces a positive voltage which is applied to the base of transistors Q7 and Q8. Transistor Q8 is cut off while transistor Q7 is driven into conduction. Transistor Q7 produces a + 6-volt output across voltage divider R18, R20.

(3) When the polar transmitter is inhibited, a low level is maintained across diode CR4. Therefore, even though the input to diode CR6 changes between 0 and +4.5 volts, transistor Q5 is always cut off. Transistor Q8 continuously conducts, maintaining a -6-volt output.

b. Type XMTR-1B Interface Transmitter (fig. 3-37). Type XMTR-1B interface transmitter has three input lines. One line is the inhibit input, and the remaining two lines are signal inputs. With this exception (two signal inputs), the transmitter functions in the identical manner as the type XMTR-1A interface transmitter.

c. Type XMTR-2 Interface Transmitter (fig. 3-38).

(1) An input from the paper tape punch logic, switching between 0 and +4.5 volts, is coupled through diode CR7. The input is applied through bias network R21, R22, and R23 to the base of transistor Q9.

(2) When the input is 0 volt, transistor Q9 is cut off and supplies an open circuit. When the input switches to a +4.5-volt level, transistor Q9 is driven into conduction. Transistor Q9 produces a ground level output.

(3) when a low level inhibit signal appears across diode CR8, transistor Q9 cannot go into conduction, even though the input across diode CR7 switches from a low level to a high level.

d. Type RCVR-1 Interface Receiver (fig. 3-39).

(1) The RCVR-1 receiver converts a 0-volt input to + 4.5 volts and an open circuit input to 0 volt. When the transmitting source becomes an open circuit, the input signal becomes +6.2 volts. This is coupled by resistor R33 and bias network R34, R36 and Zener diode VR1 to the base of transistor Q13, driving Q13 into conduction. This results in a 0-volt output at the Q13 collector.

(2) When the input signal goes to 0 volt, transistor Q13 is cut off and a +4.5-volt output is coupled through resistor R37 to the load. A second input has primary control over the operation of the receiver.

A high level inhibit signal appearing on this input line puts Q13 into conduction, resulting in a low level output regardless of the input state.

(3) Zener diode VR1 is used in the receiver to prevent any spurious signal input from appearing as an actual signal input.

e. Type RCVR-3 Interface Receiver (fig. 3-39). Type RCVRP3 interface receiver operates in the same way as the RCVR-1 receiver described in *d* above, except that the inhibit input line is removed.

f. Type RCVR-2 Interface Receiver (fig. 3-39).

(1) Type RCVR-2 interface receiver converts a +6.2-volt input to +4.5 volts and an open circuit input to 0 volt. A +6.2-volt input causes transistor Q15 of difference amplifier Q15, Q16 to go into conduction and transistor Q16 to go into cutoff. The negative voltage at the collector of Q15 is coupled through resistor R45 to drive transistor Q17 into cutoff; the output assumes the +4.5-volt level supplied through resistor R50.

(2) If, however, the input to the circuit is opened, the base of Q15 assumes a 0-volt potential established through resistors R42 and R43. Thus, Q15 is driven into cutoff and Q16 into conduction. The positive level at the collector of Q16 drives Q17 into conduction so that the output goes to 0 volt.

(3) If a high level inhibit signal appears on the inhibit input line, the base of transistor Q17 assumes a positive potential and is driven into conduction so that the output goes to Q volt. As long as the inhibit signal is present, transistor Q17 conducts regardless of the level of the input signal.

g. Current Driver (fig. 3-40). Inputs from the paper tape punch logic circuits, switching between 0 volt and +4.5 volts, are applied to the base of amplifier Q48. When the input is 0 volt, Q48 is cut off and supplies a 0-volt output. When the input is 4.5 volts, Q48 is driven into conduction and supplies a 4.5-volt output.

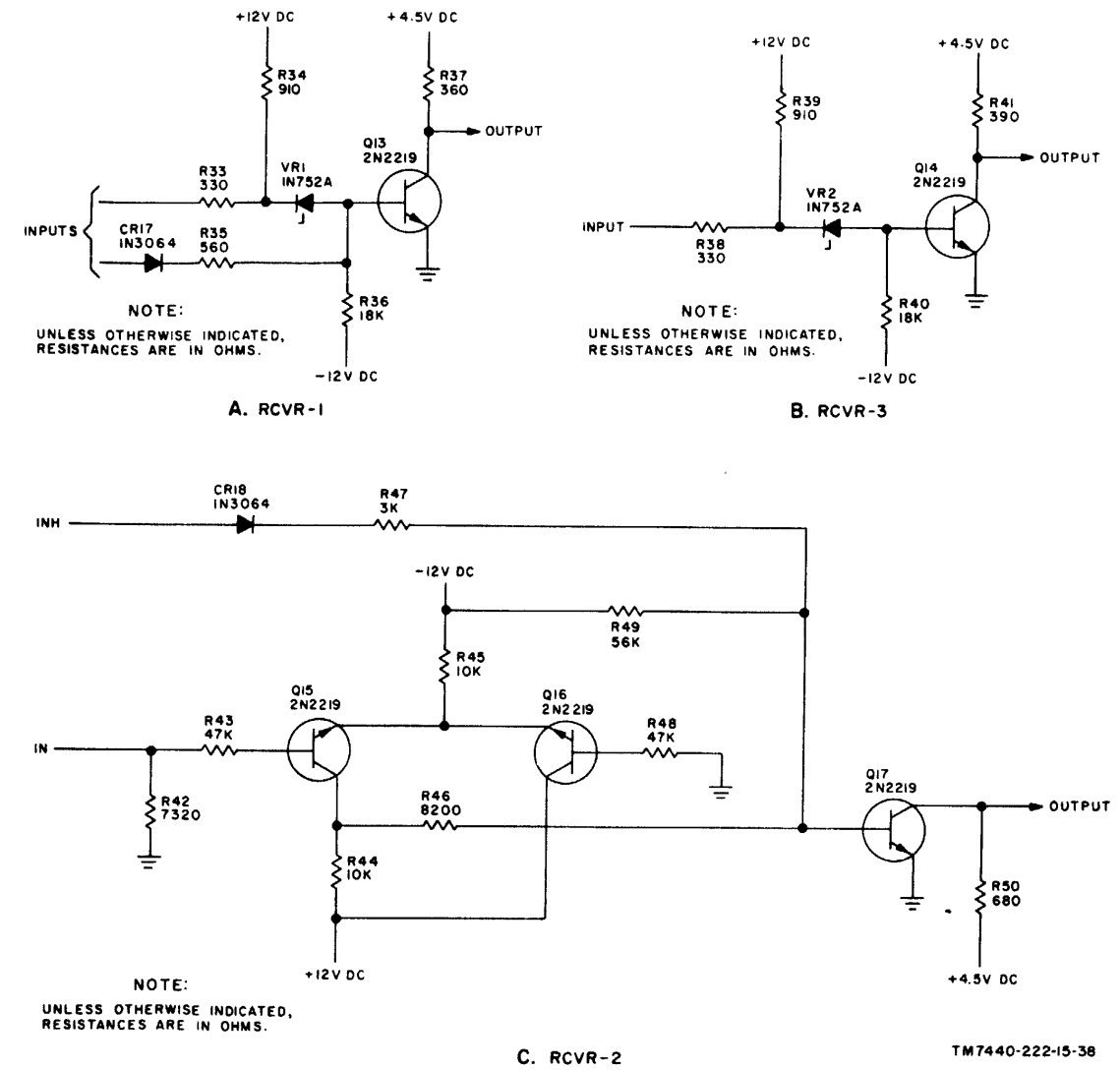


Figure 3-39. Type RCVR-1, RCVR-2, and RCVR-3 interlace receivers.

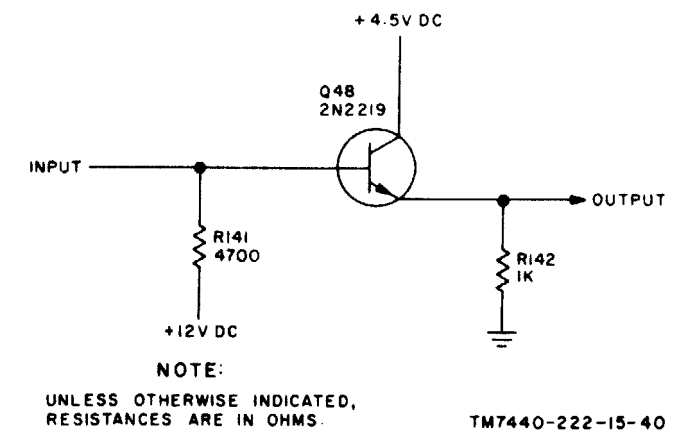


Figure 3-40. Current driver.

3-83.1 Motor Stop Assembly, Block Diagram (fig. 3-40.1)

The motor stop assembly performs two major functions: motor stop control of the perforator and the printer interpreter drive motors and automatic energizing of the punch and advance solenoids upon a power up or motor starting condition. In addition, on models equipped with an elapsed time meter, the meter will record operating time whenever the perforator drive motor is running.

a. *Motor Stop Control.* The motor stop control circuits consist of level shifter, control logic, neutral interface receiver, relay gate, and relay driver located on PC card A5A1 and two solid state relays (A5K1 and A5K2) plus three toggle switches (A5S1, A5S2, and A5S3) located on the motor stop assembly bracket. When the motor stop OVERRIDE PUNCH switch A5S2 and/or the OVERRIDE PUNCH switch A5S3 are in the ON position, the relay for the respective drive motor is bypassed and power is applied to operate the drive motor whenever the AC POWER switch on the paper tape punch control panel is ON. When one or both of the OVERRIDE switches are in the OFF position, the power to the respective punch drive motor is under control of the control logic, relay driver, and relay A511 or A5K2. In this condition, the motor(s) will run under any one of the following conditions:

(1) *CONTINUOUS/AUTOMATIC switch A5S1 is in the CONTINUOUS position.* The relay driver for both relays are enabled by an active low level CONT RUN signal applied through the level shifter, relay gate, and relay driver to the relays. This position of the CONTINUOUS/AUTOMATIC switch A5S1 permits operation of the low speed paper tape punch unit from the Control Keyboard C-7185/G as well as enabling operation for normal maintenance and troubleshooting.

(2) *When the low speed paper tape punch is not in a start mode.* Unless a high level signal appears on the PTP GREEN input line (indicating the paper tape punch is in a start mode), the control logic enables both relays through the relay gates and relay drivers. Thus both the perforator and printer interpreter drive motors run when the paper tape punch is in the stop, tape feed, and local test modes.

(3) *When in the start mode and an active MOTOR RUN interface signal is received.* When Figure 3-40.1. Motor stop assembly, block diagram an active MOTOR RUN signal is received from the common control unit, the interface receiver converts the signal to an active high level. This level is then applied through the control logic and relay gates to enable both the perforator and printer interpreter relays. If the motors are not operating as a result of conditions outlined in (1) and (2) above, the drive motors will start running thus enabling the paper punch and printer interpreter to process the message being received by the common control unit. At the end of the message, the common control unit will hold the MOTOR RUN line in an active state for an adjustable time from 15 seconds to 3 minutes. Unless a second message is received by the common control unit, the MOTOR RUN line will then go to an inactive state and the relay driver will no longer be enabled, thus allowing the punch drive motor to stop operation.

(4) *Printer interpreter drive motor runs in print independent mode.* When the printer interpreter is operating in an independent mode (PRINT INDEPENDENT switch-indicator on the paper tape punch control panel is lit) the printer interpreter drive motor will continuously run. Under this condition an active high level will appear on the PTP + PI signal line and the control logic will enable the relay for the printer interpreter only to be energized.

b. *Punch solenoid control.* To automatically exercise the punch solenoids upon any motor start operation, the punch solenoid control circuitry consists of the oscillator, delay circuits, pulse sequence generator, and multiplex gates located on PC card ASA1. Each time the punch relay driver is energized upon either an initial power up condition or as a result of the MTR RUN signal from the common control unit, the delay pulse generator is started. Timing pulses at a rate of 1.8 milliseconds are received from the oscillator to shift sequence circuitry. Each time the delay circuit pulse sequence generator is activated, it will develop five successive punch and advance pulses which are applied to the multiplex gates. The multiplex gates function to gate either the pulse sequence generator output or the data pulses from the paper tape punch logic. Thus, each time the perforator drive motor starts running, five delete characters and edge notch will automatically be punched in the paper tape.

c. *Time Meter Control.* On models of the motor stop assembly equipped with an elapsed time meter A5M1, the motor stop assembly also includes a meter driver PC card A5A2. During normal motor stop operation, the same signal that enables the A51 relay to turn on the punch drive motor also enables the meter driver A5A2 and the elapsed time meter will operate. When the PUNCH OVERRIDE switch A5S2 is in the ON position, ground is applied through the switch A5S2 to the meter driver A5A2 to enable time meter operation.

3-83.2 Motor Stop Override Control (fig. 8-3.1)

a. When the motor stop OVERRIDE PUNCH switch A5S2 is in the ON position, the 120 VAC power line is applied to the punch drive motor through the terminal 2 to 3 contacts of switch A5S2. When the switch is in the OFF position, the 120 VAC power is applied to the relay A5K1 terminal 3 through the override switch A5A2 terminal 2 to 1 contacts. In this condition, the ground path provided to terminal 4 of relay A5K1 from a relay driver on PC card A5A1 will enable the solid state relay A5K1 to activate. This enables the 120 VAC to be applied to the punch drive motor through the relay A5K1 terminals 3 to 2. With A5S2 in the override position, the output of the relay drive is grounded through S2 contacts 5 and 6 thus causing the time meter to run.

CAUTION

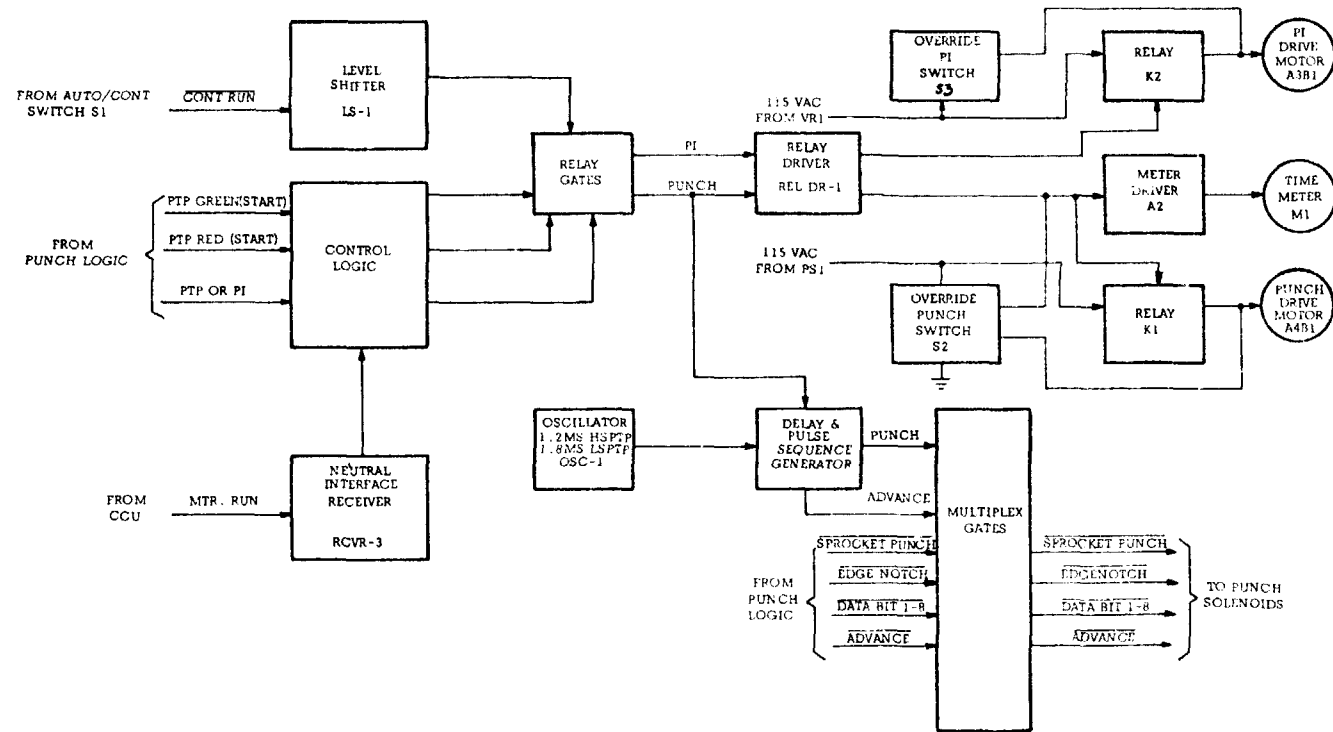
The operation of the OVERRIDE PUNCH switch A5S2 and the OVERRIDE PI switch A5S3 should be limited to emergency situations since 120 VAC is being switched and arcing of switch contacts will occur if AC power is applied to the equipment.

b. The operation of the OVERRIDE PI switch A5S3 and relay A5K2 is similar to operations outlined in a above.

3-83.3 Motor Stop Circuits A5S1 (fig. 8-46)

a. *Relay Driver.* The REL DR-1 circuit output from the collection of transistor Q6 will provide a ground return path to energize the printer interpreter solid state relay A5K2 whenever an active high level output is developed by relay OR gate Z3C. A ground return path is developed at the collector Q5 to energize the punch relay A5K1 when the relay OR gate Z3A develops a high out-put level.

b. *Relay/Gates.* The punch relay OR gate Z3A



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Figure 3-40.1. Motor stop assembly, block diagram.

develops a high output level to enable the punch relay A5K1 permitting punch drive motor operation. The punch relay gate Z3A also develops a high level which will cause automatic solenoid operation to punch five delete characters and edge notch in the paper tape each time the punch drive motor starts to run. The printer interpreter relay OR gate Z3C develops a high output level enabling the printer it interpreter relay A5K2 to apply power to the printer interpreter drive motor. Inputs to the relay gates are applied from the level shifter and motor control circuits described below.

c. *Level Shifter.* When the motor stop CONTINUOUS/AUTOMATIC switch A5S1 is in the CONTINUOUS position, -48 VDC is applied to the level shifter LS-1 circuit on the CONT RUN line. Thus, transistor Q1 is cut-off and a high level is applied to enable both relay OR gates Z3A and Z3C through inverter Z7C causing both drive motors to run. In the AUTOMATIC position, an open is placed on the CONT RUN signal line enabling conduction of transistor Q1. The low out is then inverted by inverter Z7C and will not enable the relay OR gates.

d. *Motor Control Logic.* Latch Z2C and Z2D are cleared by the high level output of AND gate Z2A. One input to AND gate Z2A is the normally loss level PWR ON RESET signal. The other input is the inverted high level PTP RED signal. Whenever the paper tape punch STOP indicator is lit, the PTP RED signal line is high. When latch Z2C/Z2D is clear, the low output of Z2D and inverted high output of Z2C enable both relay OR gates Z3A and Z3C. The POWER ON RESET signal is developed by resistors R31 and R3-2 and diode CR8. A positive pulse is developed during power on since the +4.5 VDC power is sequenced up before the -48 VDC. AND gate Z7D functions to prevent erroneous starting of the punch drive motor by a spurious pulse on the PWR ON RESET line during a power down condition. The only means of setting latch Z2C/Z2D is by a high level on the PTP GREEN signal which occurs when the operator presses the paper tape punch START switch-indicator. Thus both drive motors operate when the paper tape punch is not in the start mode.

e. *Motor Run Interface Signal.* Assuming relay OR gates Z3A and Z3C are not enabled by one of the above conditions, the motors can be started by a active low level on the MTR RUN interface signal line from the common control unit. The 3-28.2 Change 4 low level MTR RUN signal is applied to the input of the RCVR-3 circuit and cuts-off transistor Q2 and a high level partially enables AND gate Z7D. The other input is the normally high level PWR ON RESET signal from inverter Z7A. Thus both OR gate Z3A and Z3C are enabled which in turn cause motors to start running.

f. *Print Independent Operation.* If the paper tape punch control panel PRINT INDEPENDENT switch-indicator is lit, a high level is placed on the PTP + PI signal line. This signal is gated through and inverted by OR gate Z2B to enable the printer interpreter OR gate Z3C only.

3-83.4 Punch Solenoid Control Logic (fig. 8-46)

The punch solenoid control logic functions to automatically cause all perforator clutches to be energized upon a power up or any other condition causing the perforator drive motor to first start running. This function prevents possible damage to perforator clutches caused by possible unlatching of the clutch mechanisms during the power down operation. This function will normally cause five successive "DELETE" characters plus edge notch to be punched in the paper tape.

a. *Oscillator.* The timing pulses for the punch control logic are generated by the OSC-1 discrete circuit components and the output is inverted and restored to standard logic levels by inverter Z14C. The output pulse of inverter Z14C is a positive 30 micro-second pulse occurring once each 1.8 milli-seconds. This output pulse is then applied to the CLK inputs of the pulse sequence flip-flops Z8A, Z13A, Z13B, Z12A, and Z12B.

b. *Start Control Circuits.* The start control circuits consist of flip-flop Z15A, timing delay circuit TD.-1, and AND gate Z14B. Flip-flop Z15A will be cleared on the positive step of the output of OR gate Z3A. OR gate Z3A produces a high output level under any normal condition requiring the perforator drive motor to run. The low Q output of flip-flop Z15A will enable the operation of the timing circuit TD-1. After 1/2 second, which is sufficient time to allow the perforator drive motor to achieve operating speed, unijunction transistor Q4 will momentarily conduct developing a positive pulse to enable AND gate Z14B. The other input is the high output level from OR gate Z3A. The resulting negative pulse is applied through coupling capacitor C7 and bias resistor to set flip-flop Z8B which is the control stage of a six stage timing sequencer. Diode CR7 functions to clip the positive pulses which would appear when the output of Z14B goes positive.

c. *Timing Sequencer Operation.* With flip-flop Z8B set, the timing sequencer consisting of flip-flops Z8A, Z13A, Z13B, Z12A, and Z12B can complete a one character cycle and advance the tape. The clock pulse (30μ/sec. pulse at 1.8 m/sec.

intervals) is applied to the CLK input of each flip-flop and the circuit functions as a sequencer with each clock pulse successively setting one flip-flop at a time and clearing the previous one. The first clock pulse appearing after flip-flop Z8B was set will set flip-flop Z8A. The low \overline{Q} output will then clear flip-flop Z8B and the high Q output will enable flip-flop Z13A to set when the next clock pulse appears at the CLK input. Since the D input of flip-flop Z8A is now low, the second clock input will also clear flip-flop Z8A. In a similar manner, each flip-flop will remain set for a 1.8 milli-second period. When the last flip-flop Z12B is set, the high Q output of flip-flop Z12B enables AND gate Z9A. The other input to AND gate Z9A will remain high until the timing sequencer has been stepped for five complete cycles. The resulting low output from AND gate Z9A will enable the CLK input of flip-flop Z8B. When the flip-flop Z12B is clocked to a clear state, the positive step output of AND gate Z9A will set flip-flop Z8B. Thus the timing sequencer can complete another cycle. When flip-flop Z13A set on the second clock pulse, the low \overline{Q} output caused flip-flop Z15A to be cleared. Although the CLK input to flip-flop Z15A is still a high level, the flip-flop cannot again be set until a positive step appears the next time the drive motor is to start running.

d. *Character Counter.* The character counter consists of flip-flops Z15B, Z16A, and Z16B. The character counter functions to enable only five complete cycles of the timing sequencer each time the perforator drive motor starts to run. When the start control flip-flop Z15A was set, the low \overline{Q} output being applied to the S input of all three flip-flops caused them to be set. The three flip-flops function as a binary down-counter which is stepped by positive output of the flip-flop Z12B \overline{Q} output at the end of each cycle of the timing sequencer. When the flip-flops count to the "010" state, the low Q output of Z16B will inhibit AND gate Z9A thus the timing sequencer cannot be restarted. The counter will remain in the "010" state as long as the perforator drive motor continues to run. The following chart reflects the count states of the character counter:

Condition	Z15B	Z16A	Z16B
Initial state	1	1	1
After 1st cycle	0	1	1
After 2nd cycle	1	0	1
After 3rd cycle	0	0	1
After 4th cycle	1	1	0
After 5th cycle	0	1	0

e. *Punch Multiplex Gate Operation.* These circuits consist of OR gates and inverters Z4, Z5, Z6, Z11, and Z10. The ten punch solenoids consisting of the eight data, edge notch, and sprocket punches are energized by the 1.8 milli-second pulse developed each of the five times timing sequencer flip-flop Z8A is set or by the normal data levels generated by the punch logic.

f. *Advance Multiplex Gate Operation.* The advance multiplex circuits consist of OR gate Z9A, AND gate Z9C, and advance selection option terminals. Normally the advance selection option is hardwired from terminals A to C and paper tape will advance each time the timing sequencer flip-flop Z13B is set or from the normal ADVANCE signal from punch logic. Provision is provided, however, to connect hardwire jumper from terminals B to C. This will result in the automatic punching of the "DELETE" character five times, however, paper tape will not advance until after the fifth character was punched as a result of the high level output of Z16B \overline{Q} terminal.

3-83.5 Elapsed Time Meter Circuitry (figs. 8-3.1 and 8-47)

a. On models of the motor stop assembly that are equipped with an elapsed time meter A5M1, the motor stop assembly will also contain a meter driver PC card A5A2 and interconnection wiring. This time meter will record operating time whenever the perforator drive motor is running.

b. When the perforator drive motor is not running, an open circuit condition is present at terminal E3 of the meter driver PC card A5A2 (fig. 8-3.1). The -48 VDC applied to the (-) terminal of the meter A5M1 is coupled through the meter to terminal E1 of PC card A5A2. From terminal E1 (fig. 8-47), the -48 VDC is coupled through resistor R1 and diode CR1 to both the base and emitter of transistor Q1. Thus, Q1 is cut-off and the time meter cannot operate.

c. When transistor Q1 (fig. 8-47) conducts, a

ground path is applied to the elapsed time meter A5M1 (+) terminal (fig. 8-3.1) to enable time meter operation. There are two conditions which enable meter driver conduction. First, under normal motor stop mode, a ground level is applied to terminal E3 of PC card A5A2 by the PUNCH RELAY signal through relay A5K1 (fig. 8-3.1) and switch A5S2. Second, when the PUNCH OVERRIDE switch A5S2 is in the ON position, the ground level is applied to the meter driver through the 6 to 5 contacts of the switch A5S2.

3-83.6 Operation of Discrete Circuit Logic Elements on PC card ASA1

a. Type LS-1 Level Shifter (fig. 3-40.2)

An input from the motor stop CONTINUOUS/AUTOMATIC switch A5S1 switching between a -48 VDC and an open is coupled through bias network resistors R6 and R8 and capacitor C4 to the base of transistor Q1. Diode CR1 functions to clamp the base to a low negative value when -48 VDC is applied to the circuit. When the input is at a -48 VDC, transistor Q1 is cut off and +4.5 VDC is applied to the output through resistor R7. When the input is at an open, transistor Q1 is driven into conduction by the +12 VDC applied to the base through resistor R8. Thus the output taken from the collector of Q1 will be near a 0 volt level.

b. Type TD-1 Time Delay (fig. 3-40.3)

Initially with a +4.5-volt input applied across load resistors R9 and R10, transistor Q3 is conducting, timing capacitor C5 is discharged, unijunction transistor Q4 is not conducting, and the output level is 0 volt developed across resistor R13. The time delay is enabled by a negative level applied across R9 and R10 to cut off transistor Q3. With Q3 at cutoff, C5 is allowed to charge through charging resistor R11. If the input signal is still 0 volt after .5 seconds, the voltage across C5 becomes sufficiently high to fire unijunction transistor Q4. This results in an approximate 6 milli-second +4.5 volt output pulse established by resistors R12 and R13, diode CR2, and unijunction transistor Q4. When Q4 fires, the current drawn through the Q4 emitter causes C5 to quickly discharge to the point that not enough current is available to maintain conduction of Q4. Thus Q4 is cut off and the output pulse is terminated.

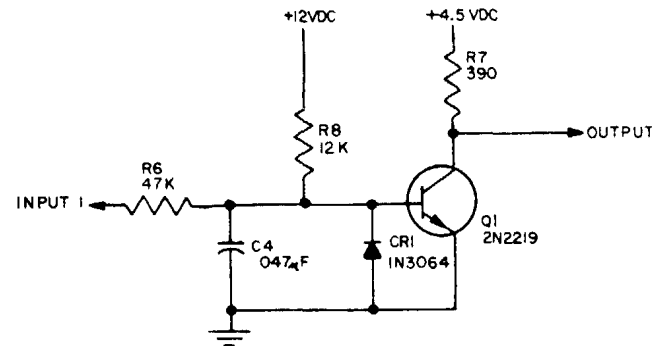


Figure 3-40.2. Type LS-1 level shifter.

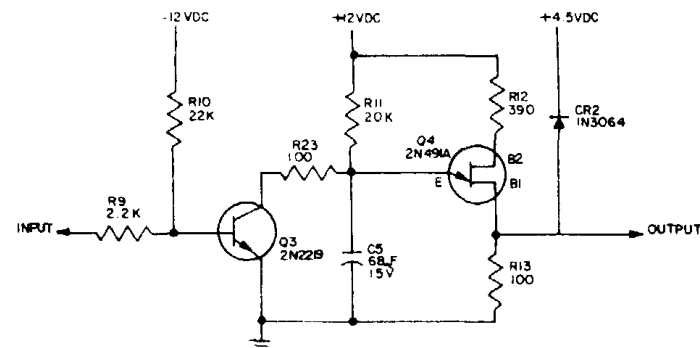


Figure 3-40.3. Type TD-1 time delay.

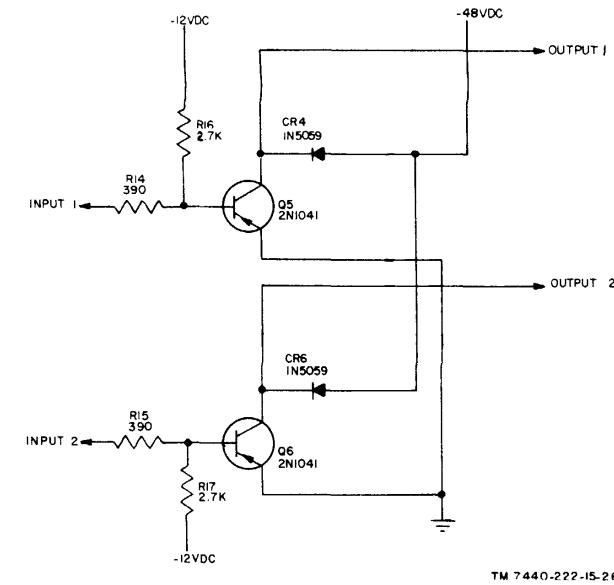


Figure 3-40.4 Type REL DR-1 relay driver.

c. Type RCVR-3 interface Receiver. (fig. 3-39B) The RCVR-3 interface received converts a 0-volt input to + 4.5 volts and an open circuit input to a 0-volt output. When the transmitting source becomes an open circuit, the input signal becomes a +6.2 volts. This is coupled by resistor R3, and bias network R2, R4, and Zener diode VR1 to the base of Q2 driving transistor Q2 into conduction. This results in a 0-volt output at the Q2 collector. When the input becomes 0-volt, transistor Q2 is cut off and the +4.5 volt output is coupled to the load through resistor R5.

d. Type REL DR-1 Relay Driver (fig. 3-40.4). Inputs switching between +-4.5-volts and 0 volt are applied to the two inputs of the dual section relay driver. When a 0-volt input is applied across resistors R14 and R16 the negative voltage at the base of transistor Q5 will drive Q5 into conduction. Thus, a ground return path is provided to the relay connected to the output at the collector of Q5 and the relay can be energized. When a +4.5-volt level is applied across R14 and R16, the positive voltage at the base of Q5 will cause Q5 to cut off. Thus the ground return path to the relay is broken and the relay will de-energize. The other section of the relay driver associated with transistor Q6 functions in the same manner.

e. Type OSC-1 Oscillator (fig. 3-40.5). When relay driver power is first applied to the circuit, timing capacitor C6 is discharged, unijunction transistor Q7 is cut off, amplifier transistor Q8 is cut off, and output is +4.5 volts developed across resistor R20. Timing capacitor C6 will charge through charging resistor R18 until the voltage at the emitter of unijunction transistor Q7 becomes sufficiently high to fire Q7. This results in a narrow positive pulse developed at the base B1 of Q7 which is coupled across, R21 and R22 to enable conduction of transistor Q8. When transistor Q8 conducts, the narrow negative pulse is developed at the collector output of Q8. When unijunction transistor Q7 is fired, the current drawn through the Q7 emitter causes C6 to quickly discharge to the point that not enough current is available to maintain conduction of Q7. Thus the charging and filing cycle can be repeated. The OSC-1 circuit develops an output pulse of approximately 30 micro-seconds in width approximately once each 1.8 milli-seconds.

3-83.7 Operation of Solid State Relay A5K1 and A5K2 (fig. 8-24 and 8-42)

Relay A5K1 is a sealed solid state relay that functions effectively in the same manner as a normal relay however switching occurs when the 120 VAC is at the O-crossover point. The terminals 4 and 5 are effectively the coil with -48 VDC applied to terminal 5 and a controlled ground return path applied to terminal 4. With ground return applied to terminal 4, the electronic circuitry will develop an enabling level when the 0-volt crossover occurs to turn-on silicon control

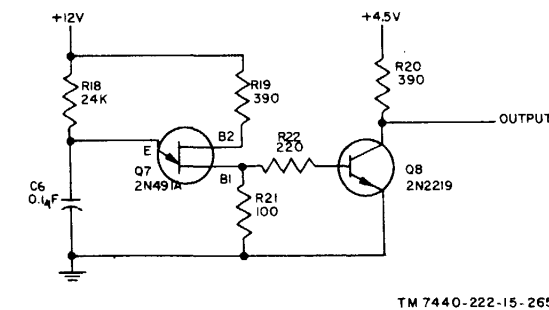


Figure 3-40.5. Type OSC-1 oscillator.

rectifier (SCR) CR1. With SCR CR1 turned on, an enabling level is applied to the G input of triac CR2 which in-turn permits AC conduction through the T1 and T2 terminals. Upon turn-off of the relay when terminal 4 becomes an open, the electronic control circuit removes the enabling level to SCR CR1. When the next negative going O-volt crossover occurs, the SCR will turn-off removing the enabling level to the G input to triac CR2 and the triac turns-off. Thus relay A5K1 terminals 2 and 3 function as relay contacts. The 120 VAC RET signal applied to relay A5K1 is used as a ground reference voltage by the SCR and the electronic control circuitry. Relay A5K2 (fig. 8-24) operates in the same manner as relay A5K1 (fig. 8-42).

Change 4 3-28.4

3-84. Ac Circuits (fig. 8-42)

The ac input circuit receives the external ac power and distributes the power to the various circuits of the low speed paper tape punch. The 120-volt, single phase input power is routed through power filters FL1 through FL4 of filter assembly FL1 to power supply PS1 terminal board TB1. The filters eliminate high frequency noise from the ac input. The ac power is switched through power supply assembly PS1 to cabinet blowers B1 and B3, tape handler B2, perforator A4, and through voltage regulator VR1 (para. 3-85.1) to power supply PS2. Switching through the closed contacts of AC POWER pushbutton Z2 and sequencing module A12 in the power supply, turns on the ac power. When power is turned on, the 24-volt dc output turns on the indicator in AC POWER pushbutton Z2. The power supply also provides 15-volt ac power for illuminating the various indicator lamps on the control panel.

3-85. Dc Circuits (fig. 8-43)

The dc voltages required by the low speed paper tape punch are generated in power supply PS1. The following regulated voltages are supplied: +12, -12, +4.25, and -48 volts dc. These voltages are automatically turned on in a specific sequence, as controlled by a sequencing module in the power supply, to supply bias voltages to circuit elements in such a manner that no damage is done to these elements. Also, in case of a failure in any one of the dc supplies, or when the equipment is turned off, the power supplies are turned off in a predetermined sequence. Turn on and turn off of the dc power supplies is controlled by the AC POWER pushbutton Z2. The DC POWER indicator DS1 on the control panel indicates when the dc power supplies have been turned on. The same switch is used to turn on ac and dc power because the sequence of power turn-on requires ac power to be supplied to the drive motor and blowers before turning on the dc power supplies.

3-85.1 Voltage Regulator VR1 (fig. 8-3.1)

Voltage regulator VR1 delivers output power at 115 vac $\pm 5\%$ to the printer interpreter power supply PS2 despite variations in the input line power (nominal 115 vac). The output voltage is maintained for input voltages from 96 vac to 132 vac.

a. The 115 vac (nominal) input power is switched through circuit breaker CB1 and coupled through variable reactor T1 to one winding of transformer T2. A second winding is connected in series with the input voltage to supply the load. By controlling the inductance of T1, the voltage developed by T2 is automatically adjusted to maintain a 115 vac output.

b. One side of the dc control winding (terminals 1-2) of variable reactor T1 is supplied by a dc voltage developed by rectifier diodes D1 and D2 from ac power which is coupled through transformer T5. The other end of the control winding is controlled by transistor Q4 in response to error signals received from resistor Q3.

c. Error voltage sensing and power for the control transistors is derived by rectifier diodes D3 and D4 from another winding of transformer T5 and by rectifier diodes D5 and D6 from transformer T6. Filtering for this power is provided by the network formed by resistor R8 and capacitor C8, and the network formed by resistors R1, R2, R21, R3, R4, and R41.

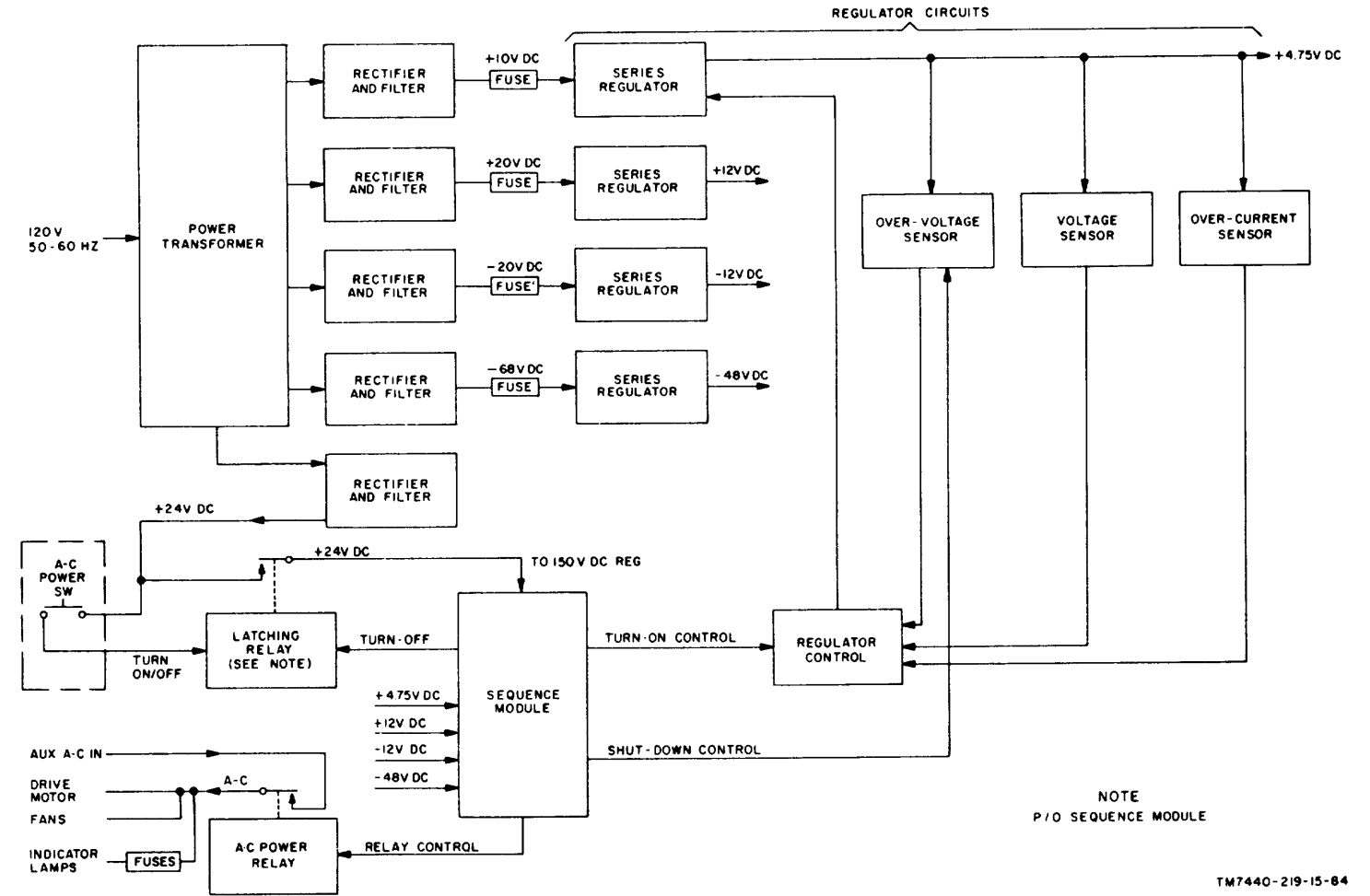


Figure 3-41. Rectifier and regulator circuits, block diagram.

d. Error voltage sensing is performed by differential amplifier Q1, Q2. The fixed reference voltage for comparison is provided by Zener diode D7 which receives stabilizing current through resistor R11. A sample of the output voltage is provided for the differential amplifier at the junction of voltage divider resistors R3, R4, and R4. If the sample voltage increases, the current through Q1 is also increased and the current through Q2 is decreased because of the constant current through emitter resistor R7. Since the output current of Q2 flows partially into the base of Q3, conduction in Q3 is also decreased. In turn, the conduction in Q4 is decreased so that the dc control winding current is reduced. This increases the reactance of T1, causing the output voltage at T2 to be reduced. Thus, the original voltage change is negated. Resistor R6 and capacitor C4 form a lead network at the base of Q1 to prevent hunting which might be caused by the delay in response due to the induction in the dc control winding of T1 and the delay introduced by capacitor C3.

e. Overvoltage protection for the voltage regulator is provided by transistors Q5 and Q6. Zener diode D9 at the emitter of Q5 establishes a fixed reference voltage which is compared with a sample of the output voltage at the base of Q5. When the output voltage reaches the overvoltage limit, Q5 is turned on. The current through Q5 turns on transistor Q6 which draws current through the trip coil of circuit breaker CB1. This removes the input voltage from the voltage regulator, preventing damage due to overvoltage.

f. To remove odd harmonics introduced by the operation of variable reactor T1, one series resonant circuit made up of transformer T3 and capacitor C2 and another made up of transformer T4 and capacitor C1 are connected across a winding of transformer T2. The T3, C2 circuit removes the third harmonic and the T4, C1 circuit removes the fifth harmonic.

3-86. Power Supply, Block Diagram The power supply consists of four similar regulator circuits, each containing overvoltage and current limiting circuits, which provide regulated + 4.75 vdc, + 12 vdc, - 12 vdc, -48-volt de power for the paper tape punch. Also included in the power supply is a sequencing circuit which turns on and off the regulators and the ac power to the drive motor and fans in a predetermined manner, when the paper tape punch is started or stopped. The sequencing circuit also turns off the regulators and the drive motor and fans if there is a failure in any portion of the power supply. Fuses mounted on the front panel of the power supply protect each regulator assembly, the ac powerlines to the drive motor, reel motor, printer interpreter, and fans, and the main ac power transformer in the power supply. The AC POWER switch-indicator on the control panel of the paper tape punch is used to turn the power supply on and off. The sequencing circuit lights the lamps in the pushbutton switch when the power supply is on.

3-87. Rectifiers and Voltage Regulators (fig. 3-41)

a. The power supply receives 120-volt, 50- or 60-Hz ac power, which is applied to the primary of the main power transformer. Ac voltages from the secondary windings are applied to five full-wave rectifier and filter networks, four of which supply input de voltages to the four regulator circuits; the fifth rectifier supplies the unregulated 24-volt de power required by the sequence module.

b. The four regulating circuits operate similarly; therefore only the +4.75-vdc regulator is illustrated in figure 3-41 and described in (1) through (3) below.

(1) A nominal +10 vdc is supplied from the rectifier and filter to a series regulator circuit in the + 4.75-volt regulator. The series regulator, under the control of the regulator control circuit, acts as a variable resistance load which reduces the unregulated 10 volts dc to an accurately regulated + 4.75 volts dc.

Variations in the output voltage from this value are sensed by the voltage sensor network, which applies a corresponding control voltage to the regulator control circuit. This circuit, in turn, controls the series regulator in a way which changes the voltage drop across this circuit by the proper amount to maintain the output voltage at +4.75 volts dc.'

(2) As a safety feature, an overvoltage sensor circuit and an over current sensor circuit are included in the regulator circuits. If the output voltage momentarily rises above 115 percent of the rated output, this is sensed by the overvoltage sensor. A control voltage is then applied to the regulator control circuit to cause the series regulator to produce a sharp drop in the output voltage. This action should return the regulator circuit to the proper output voltage. If the overvoltage condition is due to a failure in the regulator circuit, rather than to a transient condition, it cannot be corrected by the overvoltage circuit. In this case, the excessive voltage causes the fuse at the input of the series regulator circuit to blow, protecting the regulator from further damage.

(3) If the output current rises above 120 percent of rated value, this is sensed by the over-current sensor, which provides a control voltage to the regulator control circuit to cause the series regulator to produce a sharp output voltage drop

which practically turns off the series regulator. A corresponding severe current drop is produced. This action produces current-limiting during load faults in which the short circuit currents are less than the rated currents, effectively minimizing power dissipation at these times.

3-88. Power Turn-On and Turn-Off Sequencing Control (fig. 3-42)

a. In order to minimize the initial power drain upon turn-on of the paper tape punch (by means of the AC POWER switch-indicator), and to protect the electronic circuits in the paper tape punch from damage due to the improper sequence of application of bias and control voltages when power is initially turned on, the various dc voltages required by these circuits are supplied by the power supply in a specific predetermined sequence. Also, if the paper tape punch is turned off by means of the AC POWER switch indicator, the power supplies are automatically shut down in the opposite sequence to turn-on, with certain specific delays between individual power turnoffs being included. In addition, if there is a failure in any of the circuits of the power supply, the complete power supply is automatically shut down in a specific sequence, again protecting the paper tape punch circuits from damage due to improper operating voltages. The sequencing circuit also controls the turn-on and turn-off of the ac power to the drive motor and the fans, assuring that this power is supplied before the various dc voltages are supplied, and turning off this power when the paper tape punch is shut down or when there is a failure in the power supply. The 15-volt lamp power for the AC POWER switch indicator and the other indicators of the paper tape punch control panel are also controlled by the sequencing circuits. When power is turned off, all lamps will be dark.

b. All of the automatic power sequencing circuits are mounted on sequencing module A12, and consist basically of two types of voltage level sensors. One type senses whether each of the regulated dc output voltages is within 90 percent of rated output level and the other type senses when the output level of certain of the power supplies falls below 1.8 volt or 10 percent of rated value, whichever is higher. The 90 percent of rated value represents the minimum output voltage level at which a regulator is considered on and operating normally. During the turn-on sequence, these sensors determine when a particular regulator is on and providing the proper output voltage amplitude, and then provide the control to turn on the next regulator in the power turn-on sequence. The 90 percent sensors are also used to sense if there is a less-than-normal output from a regulator, indicating a failure in this regulator. If this occurs the particular sensor involved initiates an automatic turn-off procedure which turns off all the regulators in the proper sequence.

c. The turn-off procedure for each regulator is a two-stage action. First the regulator output voltage is reduced to a value of approximately 10 percent of rated value (or 1.8 volt, as applicable). The regulator is then considered to be off. At a later stage of the turn-off sequence, a second control action is applied from the sequence module to the regulator to completely turn off the output. voltage.

d. The operating voltage for the sequence module is supplied by the 24-volt rectifier-filter. This voltage is converted to a regulated 15.0 volts dc, which is used as the bias and collector voltages for the transistors of the sequence module. A 90 percent fault sensor monitors the output of this regulator as part of the overall power failure monitoring control. The sequence module operates as follows:

(1) When the AC POWER switch-indicator is depressed to start operation of the paper tape punch, it momentarily applies the 24 volts dc from the 24volt dc rectifier-filter network to a self-latching relay in the sequence module. This action energizes the relay, which holds itself energized after the AC POWER switch-indicator is released. The latching relay applies the 24 volts dc to a relay driver in the sequence module, which then energizes the ac power relay. This action applies the auxiliary ac power to the drive motor, reel motor, printer interpreter, the fans, and to all control panel indicator lamps. The AC POWER switch-indicator lights to indicate that the ac power is now on. In addition, the 24 volts de is applied to the 15.0-volt dc regulator in the sequence module which produces a regulated 15.0-volt de output which is required to operate the other circuits of the sequence module. This action is the start of the automatic turn-on for the four regulators. The regulators are turned on in the following sequence: -12, + 4.75, + 12 volt, and -48 volts dc.

(2) When the output of the 15.0-volt regulator reaches 90 percent of rated value (12 volts de) the + 15.0-volt 90 percent sensor applies a bias voltage to the series regulator of the -12-volt regulator circuit. Until this bias is applied the regulator circuit is disabled and produces no output. A sample of the outputs of all the regulators is applied to individual 90 percent sensors on the sequence module. Thus, when the output of the - 12-volt regulator now builds up to at least 90 percent of rated value (-10 volts dc), the

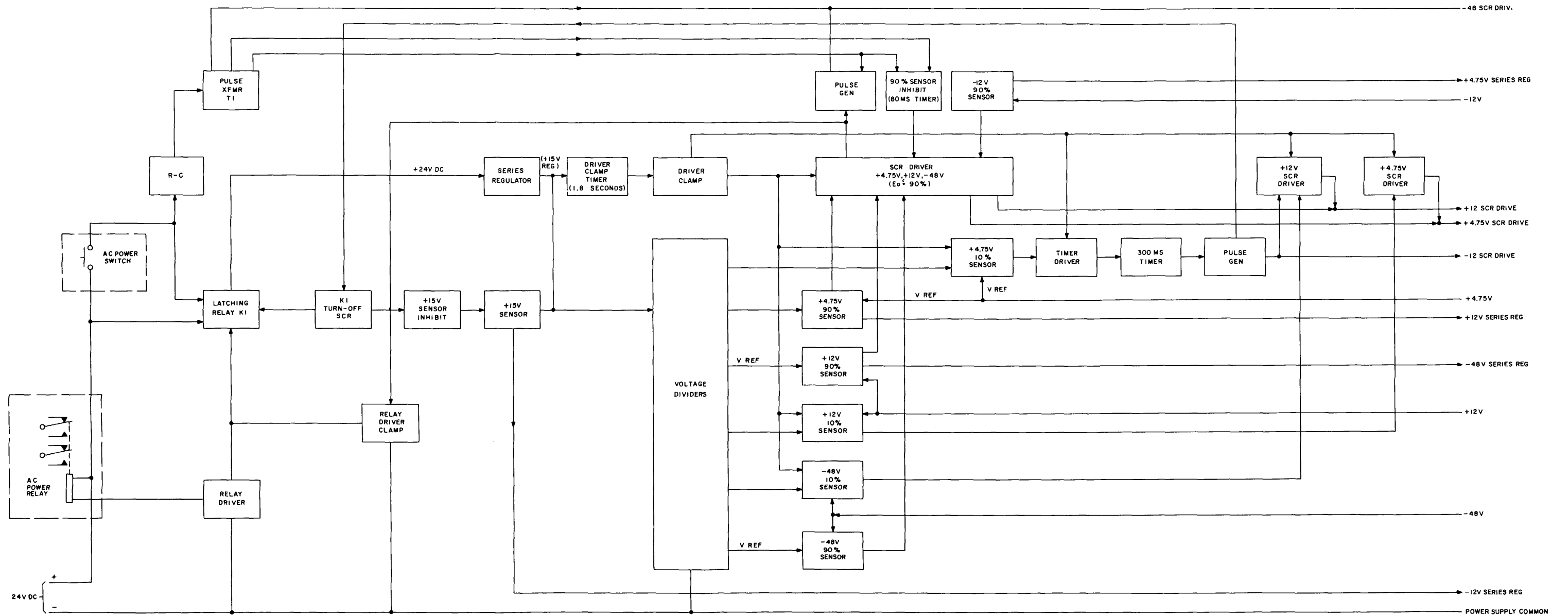


Figure 3-42. Power sequencing circuits block diagram.

Change 6 3-30.1

-12-volt 90 percent sensor applies a turn-on bias to the +4.75-volt regulator, to turn on this regulator. This action continues, with the applicable 90 percent sensors applying a turn-on bias to the corresponding voltage regulator.

(3) The turn-off sequence is started by again pressing the AC POWER switch-indicator. This action applies the 24-volt de power to a pulse generator which produces a pulse which is applied to the overvoltage sensor circuit of the 48-volt regulator to cause this circuit to sharply reduce the output voltage of the 48-volt regulator. When the output voltage drops to 10 percent of rated value, or less, the regulator is considered to be off. A 48-volt 10 percent voltage sensor senses that the voltage has dropped to the *off* amplitude and it applies a gate voltage to the overvoltage sensor circuit in the + 12-volt regulator to turn off this regulator. As the output voltage of the +12-volt regulator now drops below 90 percent of rated value, this is sensed by the +12-volt 90 percent sensor. The sensor now removes the series regulator bias from the 48-volt regulator circuit (previously turned off to less than 10 percent of rated output), completely turning off the -48-volt regulator. As the output of the + 12-volt regulator continues falling to 10 percent of rated value, the +12-volt 10 percent level sensor senses this condition and applies a gate voltage to the overvoltage sensor circuit of the +4.75-volt regulator. This action turns off the +4.75-volt regulator. The action continues in a manner similar to that previously described in the following sequence. The +4.75-volt 90 percent sensor turns off the +12-volt regulator completely. Then the + 4.75-volt 10 percent sensor applies a voltage to the relay driver clamp, which deenergizes the ac power relay removing the ac power from the drive motor, reel motor, printer interpreter, and fans. At the same time, the voltage from the + 4.75-volt 10 percent sensor is applied to a 300-ms timer. Approximately 300-ms later, the timer circuit operates a pulse generator which generates a pulse to turn off the -12-volt regulator. The -12-volt 90 percent sensor then completely turns off the +4.75-volt regulator. The pulse produced by the pulse generator is also applied to the turn-off control for the latching relay. The turn-off control then deenergizes the relay, interrupting the 24-volt do power applied to the +15.0-volt do regulator. This completes the sequenced power turn-off procedure.

e. If there is a failure on any of the power supplies, the complete power supply is automatically shut down in a predetermined sequence which is somewhat different from the normal shutdown sequence. A regulator is assumed to have failed if its output voltage drops to 90 percent, or less, of rated output. If the -48-volt, + 12-volt, or + 4.75-volt supply fails, all of these three supplies are turned off simultaneously, and then, after the same 300-ms time delay required for the normal turn-off procedure, the -12-volt supply is turned off, as is the ac power and regulator + 15.0-volt supply. If the -12-volt supply has failed, the other supplies are turned off simultaneously and if the 15-volt regulator in the sequence module fails, this initiates turnoff of the 12-volt supply to produce complete power shutdown. A failure in a supply is sensed by the 90 percent sensor associated with that supply. The sensor then operates a silicon control rectifier (SCR) driver to initiate turn-off by *firing* the associated SCR in the applicable regulator. A single SCR driver is controlled by any one of the 90 percent sensors for the four regulators, and this SCR turn off the -48-volt, +4.75-volt, and + 12-volt regulators simultaneously. The -12-volt regulator is then turned off in the normal manner.

f. The SCR driver used for turn-off if a failure is detected, must be prevented from operating power turn-on. This is accomplished by the driver clamp timer and driver clamp circuit, which inhibits the SCR driver for a period of 1.8 second after the start of power turn-on. The same circuit inhibits the operation of the 10 percent sensors during turn-on, since these sensors would also interfere with the turn-on sequence. During the normal turn-off sequence, the SCR driver must again be inhibited; otherwise it would interfere with the normal turn-off sequence. This is accomplished by the 80-ms timer.

3-89. Detailed Circuit Description of Rectifiers and Voltage Regulators

(fig. 8-44)

a. *Input Rectifier Circuits.* The power supply receives 115-volt, 50 or 60-Hz ac power at terminals 1 and 2 of terminal board TB1. A 10-ampere fuse, A10F5, is included in the line from the terminal board to the primary of transformer A9T1. The secondary of this transformer provides ac voltages to four full-wave rectifiers. The full-wave rectifiers are as follows: Diodes A4-CR4 and A4CR3, with filter capacitor A9C6, provide a nominal -68-volt dc input to the 48-volt dc regulator circuit. Diodes A5CR3 and A5CR4, with filter capacitor A9C5, provide a nominal -20-volt do input to the -12-volt do regulator circuit. Diodes A5CR1 and A5CR2 and filter capacitor A9C4 provide a nominal +20-volt do input to the +12-volt do regulator circuit. Diodes A4CR1 and A4CR2, with filter capacitors A9C2 and A9C3, provide a nominal + 10-volts dc for the +4.75-volt dc regulator.

(1) A pair of ac outputs is picked off taps 9 and 7 and 5 and 7 of the secondary of transformer A9T1 to provide 15-0-15-volt ac power for the indicator lamps of the paper tape punch. Fuses A10F9 and A10F10 are included in each line to protect the transformer from an overload. The application of the 15-volt ac lamp illumination power is controlled by relay A9K1, as is the ac power to the drive motor, reel motor, printer interpreter, and fan. The relay is energized by the sequence module as part of the power turn on procedure.

(2) A second output winding, taps 12 and 13 on the transformer, provides a nominal 23-volt ac input to a full-wave bridge rectifier, A15-CR1, CR2, CR3, CR4, and filter capacitor A9C1 which provides a nominal 24-volt do input to the sequence module (para 3-90).

b. +4.5-Volt Dc Regulator Circuit.

(1) *Voltage regulation.* The unregulated 10 volt-dc output of rectifier A4CR1 and CR2 is applied through fuse A10F1 to the series regulator consisting of transistors A4Q1, Q2, and Q3 connected in parallel. The transistors act as a variable resistance in series with the 10 volts do to drop this voltage to + 4.75-volts at the output of the regulator (junction of A4R1, R2, and R3). The regulator control circuit senses variations in the output voltage from +4.75-volts and adjusts the voltage drop across the series regulator transistors to compensate for these variations, thus maintaining a +4.75-volt dc output.

(a) The 10 volts do is applied to the collectors of transistors A4Q1, Q2, and Q3 connected in parallel. The voltage drop across the transistors, which by the base voltage applied to the transistors, which is supplied by the regulator control circuit. The outputs of the three transistors are taken from their emitters and coupled through emitter resistors A4R1, R2, and R3, respectively to a junction point and to the regulator output terminal, pin 2 of TB2. The resistors provide emitter degeneration to assure satisfactory current sharing between the three series regulator transistors.

(b) Zener reference diode A1CR6 provides a regulated voltage to a voltage divider consisting of A1R23, A1R24, and A1R25, which provides a fixed bias to the base of A1Q5 (part of differential amplifier A1Q5 and Q6). A sample of the output voltage of the regulator is applied to the base of Q6. The wiper arm of potentiometer A1R24 is set so that during the stable condition of the regulator the proper voltage is picked off this voltage divider to operate the regulator circuit to provide a +4.75-volt dc output. Should the output voltage vary from this value, the voltage at the base of Q6 increases or decreases proportionately, producing a corresponding variation in the output voltage of Q6. Since the base of A1Q5 is held at a constant voltage by Zener regulator diode A1CR6, the common emitter of Q5 and Q6 is held at a voltage which only varies with variations in transistor characteristics or variations in bias. However, since transistors Q6 and Q5 are of the same type, temperature variations, bias voltage variations, aging and other variations of this type have the same effect on both transistors and there is no net change in the base-to-emitter voltage at Q6. Only a change in the base voltage at Q6 produces a net change in the collector voltage at Q6. The voltage at the collector of Q6 is applied to the base of A1Q1. If there has been an increase in the regulator output voltage above +4.75 volts, the voltage applied to Q1 decreases, decreasing the voltage at the base of emitter follower A4Q3 which reduces the voltage at the parallel bases of series regulators A4Q1, Q2, and Q3. The voltage drop across these transistors increases, reducing the output voltage back down to +4.75 volts dc. A similar analysis applies if the output voltage has fallen below +4.75-volts dc.

(c) The emitter follower stage A4Q3 is used as a current amplifier to provide adequate current amplification for the series regulator.

(2) *Current limiting.* The sum of the currents at the emitters of series regulators A4Q1 and Q2 is the output current of the voltage regulator. Parallel connected resistors A1R4 through R9 comprise a summing network which samples this current and provides a proportional voltage at the base of Q4. By biasing diode A1CR4 in a forward direction the net base-emitter threshold voltage for Q4 is set to cut off Q4 during normal operation. The use of diode CR4 to establish base bias provides temperature stabilization and permits operation at low signal levels. If the load current on the series regulator increases to 120 percent of rated value, the voltage drop across current-sensing resistors A1R4 through R9 increases sufficiently to turn on A1Q4. This causes a sharp voltage drop at the collector of Q4, which is connected to the base of Q1,

producing a corresponding voltage drop at the base of Q1 which severely reduces the conduction of series regulators A4Q1, Q2, and Q3. This action causes a sharp decrease in output voltage, further forward-biasing A1Q4, and reinforcing the current-limiting action. As a result, current-limiting occurs at lower load currents. This type of current control, where the current reference is a function of the output voltage, results in short circuit currents that are less than rated currents, which minimizes power dissipation in the series regulator stage during load faults,

(3) *Overvoltage Protection.* Zener reference diode A1CR5 provides a constant voltage to a voltage divider consisting of A1R29, A1R30 and A1R31, which provides a fixed bias to the base of A1Q7. Transistor A1Q7 is part of a differential amplifier A1Q7, A1Q8. A sample of the output voltage is applied to the base of A1Q8. The wiper arm of potentiometer A1R30 is adjusted so that with normal output voltage A1Q8 is cutoff because of the emitter bias across common emitter resistor A1R35. With A1Q8 cutoff, the base of A1Q9 is at supply potential and A1Q9 is also cutoff. If the output voltage should exceed the normal value of 4.75-volts by 115 percent (5.5-volts), the portion of the voltage coupled to the base of A1Q8 causes A1Q8 to conduct. The voltage drop across collector load resistor A1R34 lowers the base voltage on A1Q9, driving it into conduction. When A1Q9 conducts it applies a positive level to voltage divider A15-R6 which fires silicon control rectifier A14CR2. When A14CR2 fires, the diode conducts heavily and drops the rectifier output voltage to a low level.

(4) *Overcurrent protection.* Over current protection transistor A1Q4 operates at a relatively small positive voltage level in the 4.75-volt supply, since this is the level of the output voltage being monitored. As a result, because of transistor characteristics the bias levels are insufficient to guarantee that the transistor will actually turn on if an overload condition is reached. To assure that the transistor turns on, it is supplied with a regulated negative bias from emitter follower A1Q3, which is connected to regulator Zener diode A1CR1. The negative bias is supplied to the + 12-volt supply but is not required by the negative voltage regulators.

c. *Turn-On and Turn-Off.* The regulator circuit is automatically turned on and/or turned off by the sequence module, A12. Turn-on is accomplished by the sequence module, which turns on a transistor whose collector is connected to pin W of A9J4. Before turn-on by the sequence module, an open circuit exists at pin W and A1-Q2 cannot conduct. When the transistor in the sequence module is turned on, it provides a ground at pin W and current now flows through A1CR2 and CR3 and transistor Q2 is driven to the conduction state. This action produces a base bias for Q1 and collector bias for Q6. The base bias for Q1 causes it to conduct and produce a current source for A4Q3 which then turns on the series regulator A4Q1, Q2, and Q3. Turn-off is accomplished by firing the over-voltage protection SCR A14CR2 thus dropping the output voltage to near zero. Refer to paragraph 3-90 for a description of the operation of the sequencing module. Diodes A1CR2 and A1CR3 provide protection for transistor A1Q2 against excessive bareback bias.

d. *Other Regulator Circuits.* The 48-vdc regulator, + 12-vdc regulator, and -12-vdc regulator operate in a manner similar to the + 4.75-volt regulator. The differences are as follows:

(1) In the -48-volt supply, transistor A3Q4 controls the turn-on in response to the switching action in the sequence module. To turn on the -48-volt supply, a bias level of approximately +15 volts is applied at pin N of A9J4 to the emitter of Q4. This supplies a current source to the series regulator in A6. Current overload protection is provided by current sensor A6R2 and current overload transistor A3Q1. If there is a current overload, A3Q1 is turned on, reducing the negative voltage level at the collector of Q1, turning on Q2. This turns off the regulator stage, dropping the output voltage, as described for the +4.75-volt regulator. Normal voltage regulation is provided by differential amplifier A3-Q6, Q7 which controls regulator control transistor A3Q3, through voltage splitter Q5. Transistor Q5 permits lower bias levels to be used than those normally available from the relatively high voltage levels which exist in the 48-volt supply.

(2) For the -12-volt supply, turned-on -control from the sequence module consists of supplying a bias of approximately + 15 volts at pin V of A9J4 to transistor A2Q8, turning it on. This supplies the required current source to the -12-volt series regulator. Other circuit operations are the same as for the + 4.75-volt supply previously described.

3-90. Detailed Circuit Description of Sequence Module (A12)

(fig. 8-45)

The sequence module turns the complete power supply on and/or off in a predetermined manner when the AC POWER switch on the control panel is operated. Also, the failure of any one regulated output turns off the remaining outputs in a proper sequence.

a. *Input Circuit and Ac Relay Control.* The 24-volt dc full-wave rectifier on module A8 supplies unregulated 24-vdc power to the normally open contacts of relay K1 on the sequence module, and to the AC POWER switch-indicator on the paper tape punch control panel. When this switch-indicator is operated, it contacts are momentarily closed, applying the 24 vdc through diode CR21 and resistor R60 to the coil of relay K1, energizing it. The relay is then latched on by the 24 vdc through its now closed contacts, through diode CR32 and resistor R60. Thus, this relay stays energized when the AC POWER switch is released. The voltage applied to the coil of relay K1 is also applied to the base of Q1, which turns it on, causing it to conduct current. This action energizes the auxiliary ac power relay, A9K1 (shown on the regulator circuit), applying the auxiliary 115 vac power to the fans, the drive motor, reel motor, printer interpreter, and the AC POWER indicator lamp and the other indicator lamps.

b. *Voltage Regulator.* The unregulated 24-vdc power is coupled through the contacts of energized relay K1 on the sequence module to the 15-volt regulator. The regulator converts the unregulated 24-volt dc power to regulated 15.0-volt dc power. The 24 volts is applied to series regulator Q33, which acts as a variable load in series with the input voltage, varying its internal impedance to maintain the output voltage at +15.0 vdc. The series regulator is controlled in the following manner:

(1) The output voltage of the regulator is developed across voltage divider R72, R73 and R74. Capacitor C10 removes high frequency variations on this voltage. Potentiometer R73 is adjusted to obtain the required +15.0-volt output when the overall control loop is stabilized. Should the output voltage tend to change from +15.0 volts, the voltage applied to the base of Q85 changes proportionately. The emitter of Q35 is held at a constant voltage by Zener regulator diode CR27 so that only a variation in base voltage can cause a change in collector voltage of Q35. The voltage change at the collector of Q35 is applied to the base of emitter follower Q32, which, in turn, changes the voltage at the base of Q33. This action varies the voltage drop across Q33 proportionately, returning the output voltage to the required level. For example, an increase in the output voltage produces an increase in the voltage at the base of Q35, which results in a subsequent decrease in the voltage at the base of Q32 and Q33. This increases the voltage drop across Q33, lowering the output voltage to the required value. Transistor Q31 is connected from the base to collector of Q32 and acts as a shunt path for base current of Q32. In this manner Q31 tends to maintain a constant current source at the base of Q32, minimizing excessive current variations through the series regulator.

(2) For normal output currents, transistor Q34 is reverse biased by voltage divider R67 and R68 and is cut off. If the output current rises above approximately 500 ma, a sufficient voltage drop is developed across resistor R69 to overcome the back bias on Q34, causing it to conduct. This creates a shunt path for the output current, limiting the output current to a maximum of 500 ma.

c. *Turn-On Sequence.* After latching relay K1 has been energized, causing the voltage regulator to provide the regulated +15.0-vdc output, the regulators are turned on automatically as follows: -12 vdc, +4.75 vdc, +12 vdc, and 48 vdc. The sequence module performs this turn-on action as follows:

(1) *-12 volt turn-on.* The +15.0-vdc output of the +15-vdc regulator in the sequencing module is applied to voltage divider R89 and R86. The voltage at the junction of R89 and R86 is applied to the base of Q39 whereas a reference voltage from Zener diode CR30 is applied to the emitter of Q39. The reference voltage keeps Q39 cut off until the voltage applied to voltage divider R89 and R86 reaches a level of at least 12 volts dc. This occurs after the 15-volt regulator has been turned on and reaches 90 percent of rated output. Conduction of Q39 drives Q38 into conduction, providing the bias voltage required to operate the series regulator in the -12-volt regulator. This turns on this regulator. The collector of Q89 is at approximately -24 volts dc before it is turned on at approximately +15 volts dc after it is turned on.

(2) *-12-volt output sense (90 percent).* A sample of the output of the -12-volt regulator is applied to the base of transistor Q36 of differential amplifier Q36, Q37. Voltage divider R75 and R76, connected across the output of the 15.0-volt

volt dc regulator, provides a reference voltage to the base of Q36. The output at the common emitter of Q36 and Q37 keeps Q36 cut off until the -12-volt regulator output reaches at least -10.80 volts. When the output of the -12-vdc regulator exceeds the -10.80 volts, Q36 is driven into conduction. The collector of Q36 is connected to the +4.75-vdc regulator turn-on circuit, to control turn-on of this regulator.

(3) *+4.75-volt turn-on.* When Q36 is driven into conduction, its collector goes from approximately +15 volts dc to -3 volts dc causing Q21 to conduct. This, in turn, causes Q18 to conduct, providing the turn-on bias to the series regulator of the +4.75-volt regulator. Before conduction, the collector of Q18 is at approximately 15 volts dc and after conduction it is at approximately 0.25 volt dc.

(4) *+4.75-volt output sense (90 percent).* A sample of the output of the +4.75-volt regulator is applied to the emitter of Q4. The base of Q4 receives a regulated reference voltage from voltage divider R9 and R10, supplied by the +15.0-volt regulator. When the output of the +4.75-volt regulator reaches 90 percent of rated output (4.275 volts), Q4 conducts, causing its collector to go from 0 volt to approximately +4.0 volts to turn on the +12-vdc supply.

(5) *+12-vdc turn-on.* The conduction of Q4 causes Q5 to turn on, which provides a turn-on bias to the series regulator of the +12-volt regulator. The collector voltage of Q5 is approximately +24 volts dc prior to turn-on and approximately 0.25 volt dc after turn-on.

(6) *+12-volt output sense (90 percent).* A sample of the output voltage from the +12-volt regulator is applied to the emitter of Q9. A reference voltage, provided by voltage divider R18 and R19, from the regulated +15.0-volt regulator is applied to the base of Q9. When the output of the +12 volt regulator reaches 90 percent of rated value (10.80 volts),

Q9 conducts, causing its collector voltage to go from 0 volt to approximately 10 volts to turn on the -48-volt supply.

(7) *-48-volt turn-on.* The conduction of Q9 causes Q10 to turn on. Conduction of Q10 provides a current flow through voltage divider R16 and R17, causing Q8 to conduct. This action supplies emitter current to Q15, turning it on and it then supplies the required bias for the series regulator of the -48-volt supply.

(8) *-48-volt output sense.* A sample of the output voltage of the -48-volt supply is applied to the base of transistor Q29, which acts as the 90 percent sensor for the -48-volt supply. This sensor is only used in the turn-off sequence when a fault occurs.

d. *Turn-Off Sequence.* When the AC POWER switch on the paper tape punch is pressed in order to turn off power, the sequence module turns off the regulators in a sequence opposite to the turn-on sequence ((1) through (10) below).

(1) *-48-volt regulator power reduction.* When the AC POWER switch is depressed, the 24 volts dc from the 24-volt dc rectifier is applied through the momentarily closed contacts of the switch to the RC pulse-forming network of C1 and R67 and pulse transformer T1. The primary of T1 forms a pulse which is coupled to the secondary, which applies this pulse to the silicon control rectifier (SCR) overvoltage turn-off diode in the -48-volt regulator. This reduces the output of this power supply to less than 10 percent of rated output, which, in effect, turns it off. The pulse forming network produces only a short-duration single pulse upon operation of the AC POWER switch and when the switch is released, turn-off has been initiated and continues automatically. The action of this circuit has no effect during the power turn-on sequence since the -48-volt supply is the last supply to be turned on, and the pulse forming network will have been discharged before turn-on of the -48-volt supply is accomplished.

(2) *-48-volt, +18-volt, +4.75-volt 90 percent sensor inhibit.* The pulse formed in transformer T1 is coupled through a second output winding to the base of Q12. Transistors Q12 and Q13 comprise a single-shot multivibrator which produces an output pulse with a duration of 80 ms. During this time duration that the single-shot is *fired*, it turns on amplifier Q14, which is normally cut off, which in turn, causes Q20 to conduct. Transistor Q20 acts as a clamp, clamping the base of Q19 to a low level, through diode CR8 during the first 80 ms of the turnoff sequence. This action inhibits the operation of Q19 during the sequenced shutdown accomplished by operating the AC POWER switch. Transistor Q19 is only used to turn off the -48-volt, +4.75-volt and +12-volt supplies in case of a regulator failure (BELOW).

(3) *-48-volt output 10-percent sensor.* As described in (1) above, the operation of the AC POWER switch fires the overvoltage SCR in the -48-volt regulator, reducing the output voltage from this supply. A sample of the -48-volt output voltage is applied to the base of Q28. When the output of the -48-volt supply is normal, the base voltage is sufficiently negative to keep Q30 cut off. As the output of the -48-volt supply is reduced toward zero during turn-off, the base bias will become sufficiently less negative to cause Q30 to conduct which initiates power reduction of the +12 volt supply.

(4) *+12-volt power reduction and -48-volt turn-off.* Conduction of transistor Q30 applies a negative voltage through diode CR19 to the base of Q27, causing it to conduct. This action applies a pulse through diode CR17 of OR gate CR17, CR18 to the SCR in the overvoltage protection circuit of the +12-volt regulator, initiating turn-off of this regulator to reduce its output voltage to less than 10 percent of rated value. The 90 percent level detector, Q9, across the output of the +12-volt supply senses that the output of the +12-volt regulator drops below 90 percent of rated value and removes the turn-on bias from the series regulator of the -48-volt regulator, completely turning of this regulator.

(5) *+16-volt output 10-percent sensor.* A sample of the +12-volt regulator output is applied to the emitter of Q28, and the base of Q28 receives a reference voltage from voltage divider R50 and R51, connected across the 15.0-volt regulated supply. Transistor Q28 is normally cut off by the high emitter voltage. However, during the turn-off sequence, when the output of the +12-volt regulator drops to 1.8 volt, Q28 conducts, to initiate reduction of the output voltage of the +4.75-volt supply.

(6) *+4.75-volt regulator output voltage reduction and +12-volt regulator turn-off.* Conduction of Q28 applies a negative voltage through diode CR15 to the base of SCR driver Q36, causing it to conduct and apply a positive voltage through diode CR18 of OR gate CB13, CR14 to the SCR overvoltage turn-off diode in the 4.75-volt regulator. This action reduces the output of the 4.75-volt regulator to less than 1.8 volt, thus, in effect, turning it off. The 90 percent level detector (Q4) across the output of the 4.75-volt supply senses that the voltage is below 90 percent of rated value. This results in Q5 being cut off, which removes the turn-on bias from the +12-volt regulator, to turn off this power supply completely.

(7) *+4.75 volt output 10-percent sensor and ac power turn-off.* A sample of the output voltage of the +4.75-volt regulator is applied to the emitter of Q23. The base of Q23 receives a reference bias from the voltage divider consisting of

R44 and R45 connected across the 15.0-volt regulator. The emitter bias keeps Q23 normally cut off. When the emitter voltage drops to 1.8 volt during the turn-off sequence, Q23 is driven into conduction. This produces a voltage drop at the base of Q22, through diode CR10, causing it to conduct and apply a positive voltage of approximately 15 volts to the base-emitter voltage divider, R2 and R3, of relay control amplifier Q2. Amplifier Q2 now conducts heavily, reducing the base voltage on relay driver Q1 sufficiently to turn off Q1. This action removes excitation from the coil of the ac power relay At3K1, turning off ac power for the drive motor, reel motor, printer interpreter, the fans and also the AC POWER lamp and the other indicator lamps. The unlighted AC POWER lamp indicates that the ac power is turned off.

(8) *-12-volt regulator voltage reduction and +4.75-volt turn-off.* The conduction of Q22 also applies +15 volts dc to the RC timer circuit of R4 and C1. During the time that the voltage builds up on C1, transistor Q3 is biased to be cut off and the voltage across C1 is applied to SCR CR33. After approximately 300 ms, the voltage across CR33 builds up to 8 ± 1 volts dc, at which time CR33 conducts. Conduction of CR33 causes a sharp reduction in base voltage of Q3, driving it into conduction. Capacitor C1 now discharges through Q3 and the resulting current flow through R8 to the SCR in the overvoltage protection circuit of the -12-volt regulator causes the output voltage of the regulator to drop to less than -2 volts dc. The drop in output voltage of the -12-volt supply below the 90 percent level is sensed by 90 percent level sensor Q36 and Q37 connected across the output of the -12-volt supply. This results in transistor Q21 being turned off, which removes the bias from the series regulator in the +4.75-volt supply, completely turning off this power supply.

(9) *Turn-off of -12-volt supply and power turn-off ire sequence module.* The discharge of capacitor C1 through transistor Q3 applies a discharge current through R7 and diode CR2, into SCR CR24 across the coil of relay K1. This voltage drop is also coupled through diode CR29 to the base of Q39. This action back-biases Q39, turning it off which in turn, cuts off Q38, to remove the bias voltage from the series regulator in the -12-volt regulator, and completely turning off this power supply. The pulse applied to SCR CR24 fires this SCR, shorting out the coil of relay K1 (deenergizing K1). This action removes the 24-volt dc power from the 15.0-volt regulator, removing all power from the circuits of the sequencing module to complete the turn-off procedure.

(10) *Transistor protection.* Those level detector transistors which could be subject to relatively high reverse base-emitter voltages are protected by diodes connected between the base and the emitter. The diodes short out excess reverse base-emitter voltages.

e. *Fault Sensing and Turn-off.* If the -48-volt, +12-volt, or +4.75-volt supply fails, the others must be turned off at the same time. After this is accomplished the -12-volt supply is turned off. If the -12-volt supply fails, the other three supplies must be simultaneously turned off within 50 ms after this failure. Turn-off is accomplished by means of the 90-percent sensors which sense when the output voltage of a regulator has fallen to 90 percent, or less, of rated output.

(1) Should the +4.75-volt regulator output fall to less than 90 percent of rated value, this is sensed by the +4.75-volt 90-percent sensor (Q4) which turns off Q6, which in turn turns on Q7. The collector of Q7 is reduced to near ground level, applying a negative voltage through diode CR8 to the base of Q19. This action turns on Q19, providing a positive voltage through diodes CR6, CR14, CR18 to the +48volt SCR, the +4.75-volt SCR, and the +12-volt SCR, turning off these supplies simultaneously. Transistor Q19 is also operated by either the -48volt 90-percent sensor (Q29), the +12-volt 90-percent sensor (Q9, Q10, Q11) or the -12-volt 90-percent sensor (Q36 and Q17), if any of these power supplies fail. The -48-volt SCR is operated by Q19 firing SCR CR34 across pulse forming network Cal and R30. The output pulse is supplied to T1 for application to the SCR in the -48-volt supply.

(2) After the -48-volt, +4.75-volt, and +12volt supplies are simultaneously turned oil, the -12volt supply is turned off as previously described. If the +15-volt regulator in the sequence module fails (power output drops to less than 90 percent of rated output), this is sensed by the +15.0-volt 90-percent sensor which turns off the bias to the -12-volt series regulator. This action turns off this regulator, initiating the previously described shutdown procedure.

f. *Override Timer Circuit for Turn-On Circuit.* As previously described, the turn-off circuits include sensors which operate when output voltages are below 1.8 volt dc or 10 percent of rated output, whichever is higher. In addition, the 90-percent detectors function as fault detectors if the output voltage of any regulator drops below 90 percent of rated value (e above). Both of these sensors must be inhibited during tile power turn-on, since they would interfere with the power turn-on sequence. This is accomplished by the action of driver clamp Q24. When the 24 volt dc is initially applied to tile 15.0-volt regulator to produce tile regulated 15-volt output, the +15-volt output is applied to the emitter and base of driver clamp Q24, causing it to conduct, producing a positive voltage at its collector. This positive voltage is coupled through diodes CR20,

CR16, CR11, and CR9 to the -48-volt 10-percent sensor (Q30), the + 12-volt 10-percent sensor (Q28), the +4.75-volt 10-percent sensor (Q23), and the 90-percent fault sensor line to Q19. It thus blocks diodes CR19, CR15, CR10, and CR8, preventing the 10-percent and 90-percent fault sensors from operating and turning off the power supplies. At the same time that Q24 is turned on, the +15 volts is applied to timer circuit R84 and C12. The RC time constant of this circuit is selected so that the voltage on C12 builds up to a sufficient level to turn on Q16 in approximately 1.8 second. Zener diode CR 30 establishes the turnon bias for Q16. When Q16 is turned on it supplies base current for Q25, turning it on. This produces a positive voltage at the base of Q24 which turns off Q24, removing the inhibiting voltage from diodes CR19, CR15, CR10 and CR8. The 10-percent sensors and 90-percent fault sensor, Q19, are no longer inhibited, since after 1.8 second all power has been turned on and the fault sensors should now operate.

Section V. ELECTRICAL FUNCTIONING OF PRINTER INTERPRETER

3-91. Printer Interpreter Logic, Block Diagram

(fig. 3-43)

The printer interpreter receives the punched paper tape from the perforator mechanism, feeds and reads the tape one row at a time, and prints the corresponding character on the tape. Control of paper tape feeding and ribbon motion, processing of the data read from the paper tape, and control of the printing operation are performed by electronic circuits in printer interpreter A3 and by manual switches on punch logic assembly A1. These functions are described in paragraphs 3-92 through 3-95.

3-92. Paper Tape Feed

a. *Tape Advance.* The paper tape is advanced one position each time an advance input signal is received from the punch logic. This occurs after each character is punched. The advance signal is amplified before it is applied to the tape feed control circuit. This circuit responds by actuating the paper tape advance solenoid to feed the tape one position.

b. *Backspace.* When a backspace input appears, it is amplified and fed to the tape feed control circuit. This circuit actuates the paper tape backspace solenoid so that the paper tape is backspaced one position.

3-93. Ribbon Control

The inked ribbon used in printing is controlled by the ribbon control circuit. This circuit energizes either the forward or reverse ribbon solenoid to provide ribbon motion each time the tape feed control circuit produces a paper tape advance output. The direction of ribbon motion is determined by the state of the ribbon switches which indicate when the ribbon supply is low in either the forward or reverse direction.

3-94. Data Inputs

a. When the paper tape is advanced, a row of punched data in the tape comes to rest over a row of seven tape read photocells. These seven photocells provide binary outputs corresponding to the presence or absence of punched holes in the tape. Thus the photocells provide the data bit 1 through 7 inputs which represent the information punched in the tape. The information can be in eight-bit ASCII code (seven data bits and a parity bit), or in five-bit ITA-2 code for which only data bits 2 through 6 are used. The information includes any of the 63 characters that are on the single-column print drum and that can be encoded in the ASCII or ITA-2 codes.

b. The conversion of this information to a printed character on the paper tape is accomplished through the use of a code wheel. Either an ASCII or ITA-2 code wheel is used, depending on the paper tape code being punched. On each code wheel are the bit configurations of all applicable characters on the print drum. The code wheel bit configurations are read one character at a time by code wheel photocells as the code wheel rotates past the photocells. The code wheel is turned continuously in synchronization with the print drum, so that the character bit configuration being read at any instant by the code wheel photocells represents the print drum character which is turning into the print position.

c. The code wheel character configuration for the ASCII code is produced on seven lines corresponding to ASCII data bits 1 through 7. These lines are designated as code wheel bits 2 through 8. A separate line (code wheel bit 1) is used for a code wheel strobe pulse which is generated when the code wheel is in the center of each character position.

d. The code wheel character configuration for the ITA-2 code is produced on six lines designated code wheel bits 3 through 8. Five of these lines correspond to the five ITA-2 data bits for each character while the sixth line specifies either the upper or lower case for that character. AS for ASCII, code wheel bit 1 contains strobe pulses which are generated in the middle of each character position (fig. 3-44).

3-95. Data Conversion and Printing

a. To identify the character punched in the paper tape, the data bit inputs (1 through 7 for the ASCII code and 2 through 6 for the ITA-2 code) are compared with each character bit configuration on the code wheel by a set of comparators. When

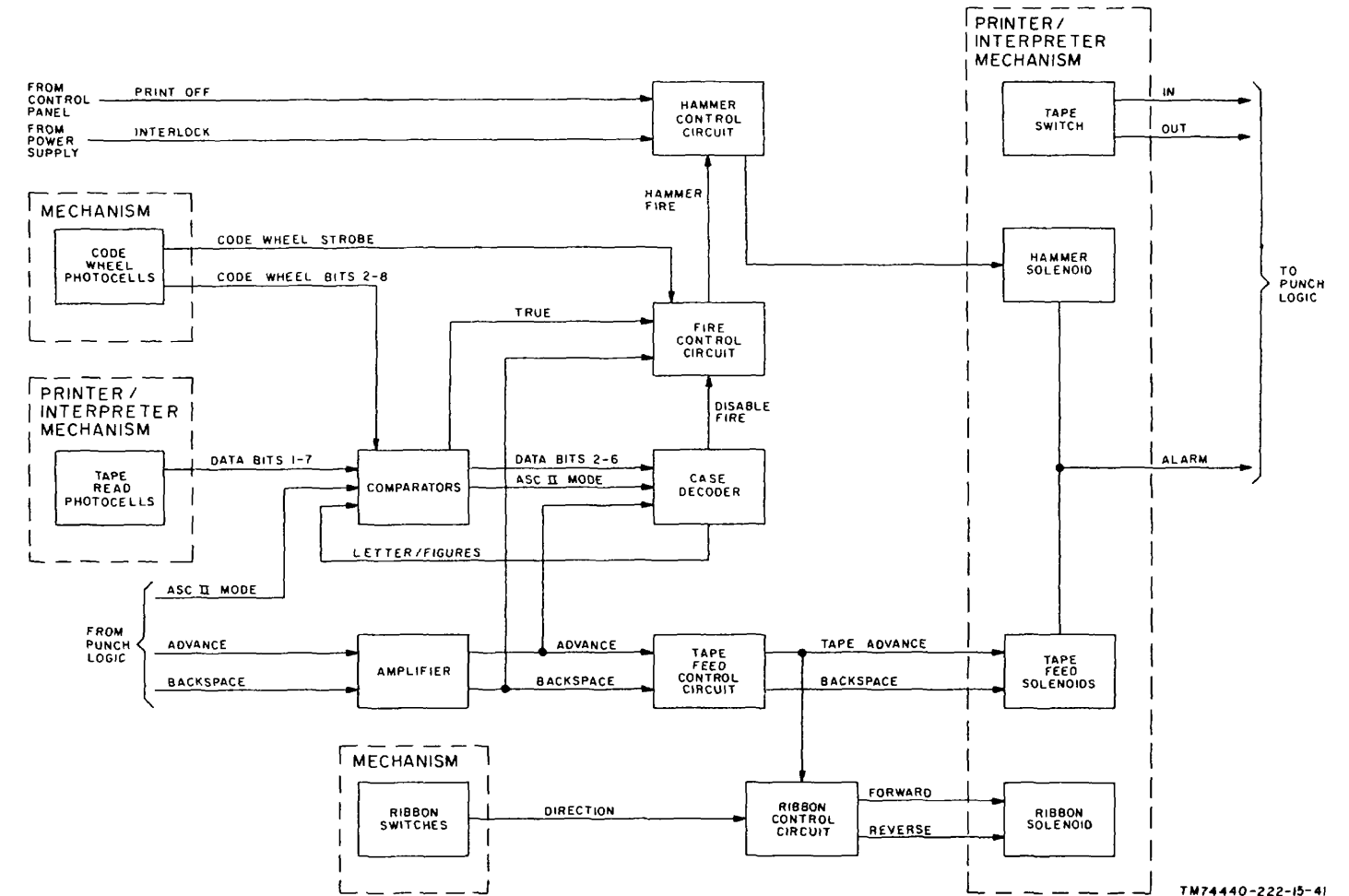


Figure 3-43. Printer interpreter logic, block diagram.

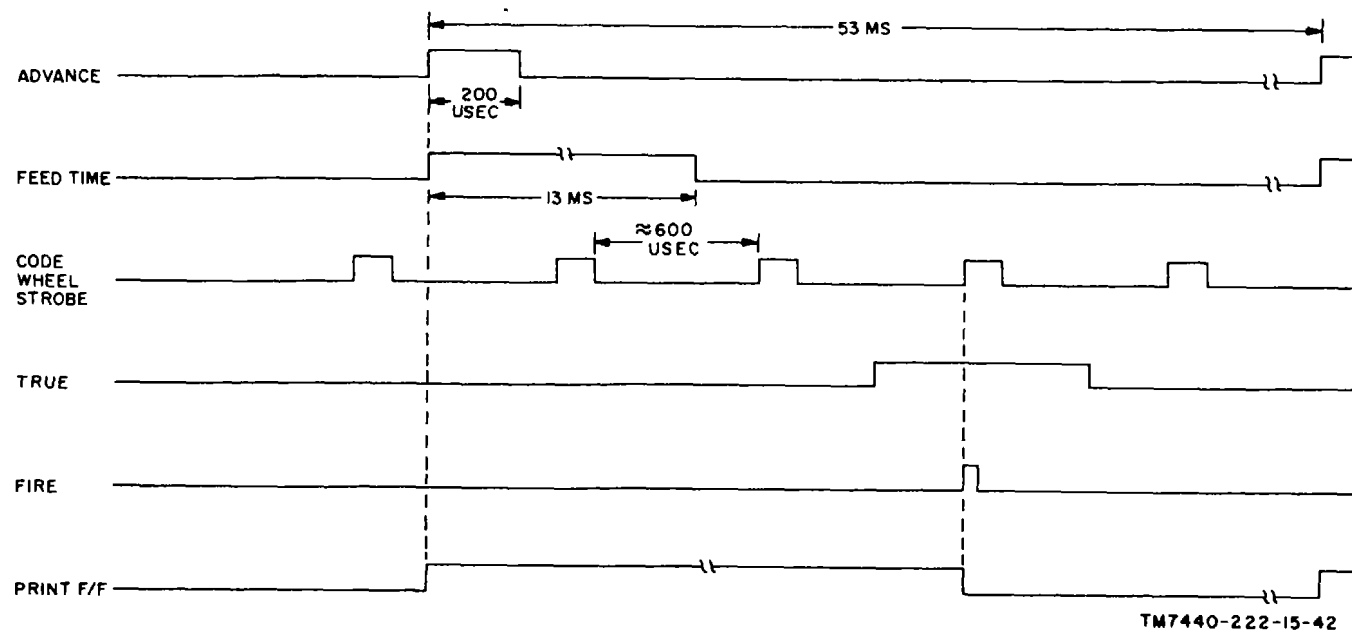


Figure 3-44. Printer interpreter, timing diagram.

a particular code wheel character configuration is equal to the data bit configuration, the comparators produce a true output to the fire control circuit. This circuit then generates a hammer fire pulse which causes the hammer control circuit to activate the hammer solenoid. The result is that the hammer solenoid energizes and activates the print hammer at the precise instant the print drum character, represented by the equal bits, is over the paper tape.

b. Because of the distance between the tape read photocells and the printer mechanism, each character is printed on the tape 4 1/2 rows before the corresponding row of data holes. The characters printed for the various codes punched in the paper tape are shown in figure 3-2 for both the ASCII and ITA-2 codes. Note that there are some non-print ASCII and ITA-2 codes for which spaces are left on the paper tape.

c. In the ITA-2 mode, the case of each character is not read from the tape as part of the character code as in ASCII operation. Instead, a letters or figures case character is punched before each group of letters or figures characters. The codes for the letters and figures case characters are decoded by a case decoder which monitors the five data bit lines from the tape (2 through 6). These lines are routed from the tape read photocells through the comparators to the case decoder. The case registered in the case decoder is compared with code wheel data bit 8 from the code wheel photocells since this data bit indicates the case of each character on the drum.

d. In effect, the case decoder adds a sixth bit to the five-bit ITA-2 character configurations so that the limit of 32 character configurations is doubled to 64 possible character configurations. During the ASCII mode, the ASCII mode input from logic assembly A1 inhibits the case decoder circuit since the number of character configurations possible in ASCII code is well above the 63 characters required for this application.

e. Because there is no data bit 1 in the ITA-2 mode, the ASCII mode input to the comparators is used to suppress the comparison function of data bit 1 and code wheel bit 2 during this mode. The ASCII mode input is also used in the conversion of lower case character codes to upper case character codes during the ASCII mode. This is done when the tape presents character codes for lower case characters which are not on the print drum, For example, when a character code on the tape represents a lower case b which is not on the print drum, the comparators convert the character code so that an upper case B is printed.

f. To insure that no printing takes place when the tape is being fed, the fire control circuit is inhibited during this time. During tape advance, the advance signal is sent to the case decoder circuit, inhibiting the case decoder and causing the case decoder to send a disable fire signal to the fire control circuit, disabling that circuit. During backspace, the backspace signal is fed directly to the fire control circuit to inhibit the circuit.

g. When the paper tape is to be run through the printer interpreter without printing, a print off signal is received from the PRINT INDEPENDENT switch on the control panel. This disables the hammer control circuit. An interlock input from the printer interpreter power supply must be present to operate the hammer control circuit.

h. Fuses associated with the hammer and tape feed solenoids initiate an alarm signal in case of excess current through the solenoids. This signal is sent to the punch logic.

i. A tape switch senses the presence of tape in the reel and provides signals to the punch logic, indicating whether the tape is in or out of the printer interpreter.

3-96. Logic Diagrams

a. Most of the data processing and control functions of the printer interpreter are performed by logic circuits on the printed circuit (PC) cards in printer interpreter A3. Thus, the electrical operation of each PC card is represented in chapter 8 by a logic diagram rather than a conventional schematic diagram. The logic diagrams shows all input and output connections of the card including power connections but does not show the circuit components which make up the individual logic elements. Basic descriptions of the logic elements are given in paragraph 3-100.

b. All of the logic elements in the printer interpreter are made up of discrete circuit components. The schematic representation and a description of the circuit operation for each type of logic element is given in paragraph 3-118.

Note. For convenience, all PC cards in card basket A3A2 are identified only by their distinguishing reference designations (A1, A2, A3, etc.). It should be understood that these designations are prefixed by A3A2.

3-97. Logic Signal Notation

a. In general, logic signals in the printer interpreter switch between a high level of 0 volt and a low level of -6 volts. Some signal lines are considered activated when the level is high, while others are considered activated when the level is low. The state indicators (small circles) at the input and outputs of logic elements indicate which lines are activated by a high level (state indicator absent) and which lines are activated by a low level (state indicator present).

b. All significant logic signals are assigned a functional name. Many of the functional names are also assigned mnemonic designations. A glossary of all mnemonic designations used on the logic diagrams is given in table 3-5. To permit the active state of a signal to be indicated by its functional name, the high level is arbitrarily designated true or logic 1 for signal naming purposes, while the low level is arbitrarily designated false or logic 0. Thus, the signal is a true-function if it is active on a high level and a not-function if it is active on a low level. Not-function signals are identified by a not-bar over the functional name;

for example, $\overline{\text{code wheel bit 8}}$.

c. In the functional descriptions, the terms *high* and *low* are used for 0-volt and -6-volt levels. Pulses or steps going from -6 volts to 0 volt are called positive pulses or steps, and those going from 0 volt to -6 volts are called negative pulses or steps.

Table 3-5. Glossary of Mnemonic Signal Designations

Mnemonic	Definitions	Mnemonic	Definitions
ADV.....	Advance.	DIR.....	Direction.
BSP.....	Backspace.	ENF.....	Enable Fire.
CLR.....	Clear.	F.....	Fire.
CWB2.....	Code Wheel Bit 2.	FIGS.....	Figures.
CWB3.....	Code Wheel Bit 3.	FWD.....	Forward.
CWB4.....	Code Wheel Bit 4.	HF.....	Hammer Fire.
CWB5.....	Code Wheel Bit 5.	INT.....	Interlock.
CWB6.....	Code Wheel Bit 6.	L/F.....	Letters/Figures.
CWB7.....	Code Wheel Bit 7.	LTRS.....	Letters.
CWB8.....	Code Wheel Bit 8.	MTN.....	Motion.
CWS.....	Code Wheel Strobe.	PO.....	Printer Off.
DB1.....	Data Bit 1.	PTA.....	Paper Tape Advance.
DB2.....	Data Bit 2.	PTB.....	Paper Tape Backspace.
DB3.....	Data Bit 3.	REV.....	Reverse.
DB4.....	Data Bit 4.	T.....	True.
DB5.....	Data Bit 5.	T1 and 2.....	True 1 and 2.
DB6.....	Data Bit 6.	T3 and 4.....	True 3 and 4.
DB7.....	Data Bit 7.	T5 and 6.....	True 5 and 6.
DF.....	Disable Fire.	T7.....	True 7.

3-98. Logic Diagram Symbol Notation

Three tagging lines are used within each logic symbol for identification purpose

a. The first tagging line in each symbol identifies the zone location of the element on the logic diagram by its grid coordinates. Thus, the first two digits identify the horizontal and vertical grid coordinates while the third digit identifies the subzone (A, B, C, etc.) when more than one logic element appears within a grid zone.

b. The second tagging line in each logic symbol identifies the logic element type. The various types of discreted circuit

logic elements are described in paragraphs 3-99 and 3-100.

c. The third tagging line in each logic symbol identifies the electrical reference designation of the logic element (para 3-99). This reference designation is prefixed by the reference designation of the printed circuit card on which it is located.

3-99. Discrete Circuit Logic Elements

a. There are several types of discrete circuit logic elements as described in paragraph 3-100. Each discrete circuit logic element consists of a combination of standard circuit components such as resistors, diodes, etc. Thus, wire terminals for inputs and outputs are not assigned.

b. Reference designations for discrete logic elements are (A), (B), (C), etc., prefixed by the reference designation of the PC card on which they are located

3-100. Operation of Discrete Logic Elements

The logic operation of each discrete circuit logic element type is described below. Logic symbols for each type are given, using typical tagging lines. The logic element descriptions are arranged in alphabetical order. Schematic diagrams and detailed circuit operation of each type of discrete circuit logic element are given in paragraph 3-118.

a. *AND Gates.* The seven types of AND gates used in the logic circuitry consist of both inverting and noninverting types with various numbers of low inputs (fig. 3-45). Details for each type of AND gate are given in table 3-6.

b. *Type AMPL-1.* The type AMPL-1 element is a noninverting amplifier (fig. 3-46) which is used for shifting switching levels of 0 volt and +4.5 volts to -6 volts and 0 volt, respectively. Bias supply inputs are +6 volts, 0 volt, and -6 volts.

c. *Flip-Flops.* The three types of flip-flop used in the logic circuitry are types FF-1, FF-2, and FF-3. All three types are set by a high level at the S input and cleared by a high level at the C input (fig. 3-47)

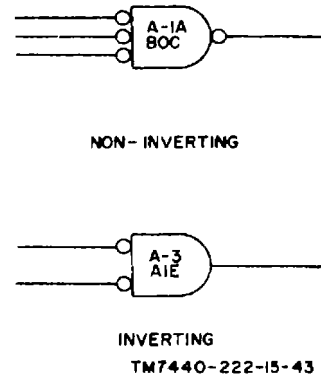


Figure 3-45. Typical AND gate logic elements.

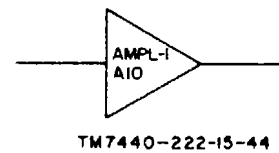


Figure 3-46. Type AMPL-1, logic element.

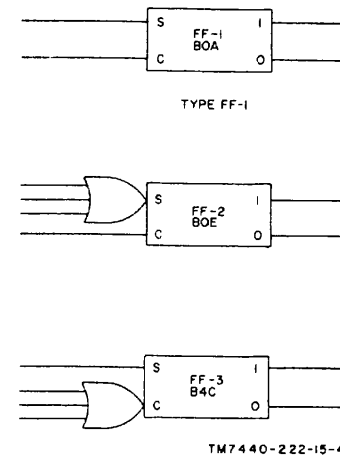


Figure 3-47. Flip-flop logic elements.

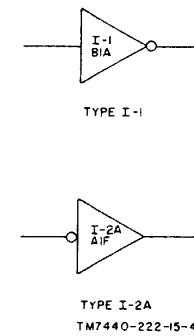


Figure 3-48. Typical inverter logic elements

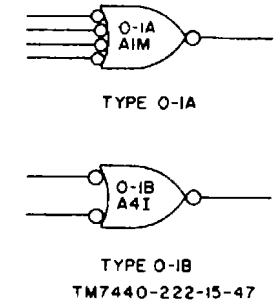


Figure 3-49. Type O-1A and O-1B logic elements.

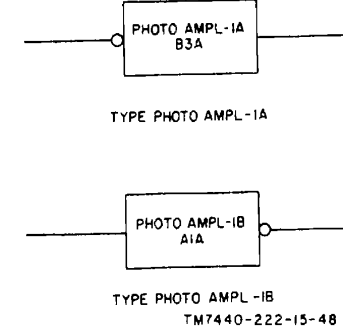


Figure 3-50. Type PHOTO AMPL-1A and -1B logic elements.

When set, the 1 output is high and the 0 output is low; the output levels are reversed when the flip-flop is cleared. The type FF-2 flip-flop has an OR function at the S input for two inputs so that any high input sets the flip-flop. The type FF-3 flip-flop has a three-input OR function at the C input so that any high input clears the flip-flop. Bias supply inputs to the types FF-1 and FF-2 flip-flops are +6 volts, 0 volt, and -18 volts. Bias supply inputs to the type FF-3 flip-flop are +6 volts, 0 volt, and -6 volts.

d. *Inverters.* The five types of inverters used in the logic circuitry produce high outputs for low inputs and low outputs for high inputs (fig. 3-48). Bias supply inputs for the type I-1 inverter are +6 volts, 0 volt, and -18 volts. Bias supply inputs for the types I-2A and I-2B inverters are +6 volts, 0 volt, and -6 volts. Bias supply inputs for the I-3A and I-3B inverters are 0 volt and -6 volts.

e. *Type O-1A and Type O-1B.* The type O-1A and O-1B gates are noninverting OR gates for low inputs (fig. 3-49). The type O-1A OR gate has four inputs and the type O-1B OR gate has two inputs. Bias supply inputs for both types are +6 volts, 0 volt, and -18 volts.

Table 3-6. AND Gate Input/Output Details

Type	No. of inputs	Input level	Output level	Bias voltages
A-1A.....	3	Low.....	Low.....	-18.....
A-1B.....	3	Low.....	Low.....	-18.....
A-2A.....	3	Low.....	High.....	+8 0 -6
A-2B.....	6	Low.....	High.....	+6 0 -6
A-2C.....	7	Low.....	High.....	+6 0 -6
A-3.....	2	Low.....	High.....	+6 0 -6
A-4.....	2	Low.....	Low.....	-18.....

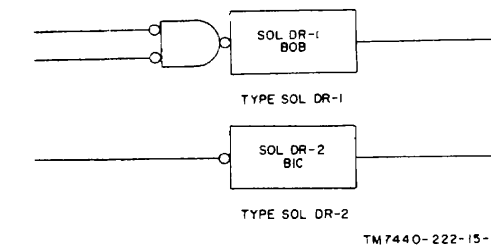


Figure 3-51. Type SOL DR-1 and -2 logic elements.

f. *Type PHOTO AMPL-1A and PHOTO AMPL-1B.* The type PHOTO AMPL-1A and PHOTO AMPL-1B photocell amplifiers convert a dark photocell output (low current) to a high level and a light photocell output (high current) to a low level (fig. 3-50). Bias supply inputs are -6 volts, 0 volt, and -18 volts.

g. *Type SOLDR-1 and SOLDR-2.* The type SOL DR-1 solenoid driver converts two low level inputs to a high level ground- return to drive the -36-volt solenoid (fig. 3-51). The type SOL DR-2 requires only one low input to perform the same function. Any high level input is converted to an open circuit. Bias supply inputs to the type SOL DR-1 are +6 volts, 0 volt, -18 volts, and -36 volts. Bias supply inputs to the type SOL DR-2 are 0 volt and -18 volts.

h. *Type SS-1.* The type SS-1 single shot converts a negative input step to a 4-millisecond wide negative output pulse (fig. 3-52). Bias supply inputs are +6 volts, 0 volt, and -18 volts.

i. *Type SS-2.* The type SS-2 single shot produces a 1.5 millisecond wide negative output pulse when all three are low (fig. 3-52). Bias supply inputs are +6 volts, 0 volts, -6 volts, and -18 volts.

j. *Type SS-3A.* The type SS-3A single shot produces 20-microsecond wide positive and negative output pulses when both inputs are high (fig. 3-52). Bias supply inputs are +6 volts, 0 volt, and -6 volts.

k. *Type SS-3B.* The type SS-3B single shot converts a positive input step to 13-millisecond wide positive and negative output pulses (fig. 3-52). Bias supply inputs are +6 volts, 0 volt, and -6 volts.

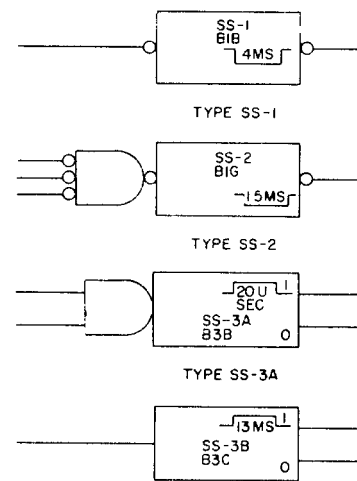


Figure 3-52. Single-shot logic elements.

i. *Type TD-1.* The type TD-1 time delay produces a positive output pulse 30 milliseconds after receiving a negative input pulse unless another negative input pulse is received before the end of the 300-millisecond interval (fig. 3-53). Bias supply inputs are +6 volts, 0 volt, and -18 volts.

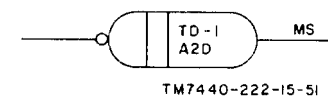


Figure 3-53. Type TD-1, logic element.

3-101. Ac Circuits
(fig. 8-24)

a. *Ac Input Circuit.* The ac input power to the printer interpreter is received at printer interpreter power supply PS2 from voltage regulator VR1. The power supply, which supplies all of the dc voltages used in the printer interpreter mechanism and logic circuits, also routes the ac power to various circuits in the power supply cabinet and to printer interpreter A3. The ac power is controlled at the front panel of punch logic assembly A1. When the power is turned on, the power supply circuits, the cabinet blower motor, and the printer interpreter mechanism receive regulated 115-volt, 60-cps, single-phase ac input power.

b. *Cabinet Blower Circuit.* The 115-volt ac power for cabinet blower motor A4B1 is applied directly to one motor winding and through phase shift capacitor C1 to the second winding. This causes the motor to rotate and provide cooling airflow for the power supply circuits.

c. *Power Supply Circuit.* The 115-volt ac power for the power supply circuits is routed directly through the cabinet wiring from cabinet jack PS2J1 to plug P1 which connects to power supply jack J1. When power is turned on, the power supply provides DC voltages of +6, -4.75-volt (or -5.3-volt in equipment modified by MWO 11-7440-222-30/1), -6, -18, and -36 volts for the operation of the printer interpreter. Refer to paragraph 3-103 for a description of the power supply circuit operation.

d. *Print Wheel Motor.* The 115-volt ac power for print wheel motor A3A1B1 in printer interpreter mechanism A3 is routed through the power supply and through cabinet wiring from plug P1 to jack A3J2 on printer interpreter A3. The ac power is applied to one motor winding through the coil of relay A3A2K1. As K1 energizes, a set of relay contacts closes and applies the ac power to the second winding. This causes the motor to rotate and provide drive power for the print wheel of the printer interpreter mechanism. Relay A3A2K2, which is also energized by the 115 volts ac, prevents actuation of the print hammer during power sequencing.

3-102. Dc Circuits

All of the dc voltages used in the printer interpreter mechanism and logic circuits are supplied by the power supply circuits in printer interpreter power supply PS2. Application of the dc power to the mechanism and logic circuits is directly dependent on the application of ac power to the power supply as discussed in paragraph 3-101. The power supply is a fully-transistorized, silicon, ac-to-dc, multiple-output power supply providing four regulated dc outputs and one dc output derived from a constant voltage transformer. The detailed operation of the power supply is given in paragraph 3-103. For the distribution of the power supply outputs, refer to paragraph 3-104.

3-103. Power Supply PS2
(fig. 8-25)

a. *Sequencing and Power Control.* When ac input power is applied to power supply PS2, the +6-volt, -4.75-volt (or -5.3-

volt in equipment modified by MWO 11-7440-222-30/1), -6-volt and -18-volt circuit outputs are immediately enabled. As the +6-volt circuit output rises, relay K1 is actuated and contacts K1A and K1B are respectively closed and opened to enable the -36-volt circuit. When the -36 volts appears across resistor R62 and diode CR29, sensing relay K2 is actuated to provide a closed path through contacts K2A for interlock relay K3. Therefore, if connectors and circuits are properly installed to provide the interlock path, relay K3 energizes to provide an -18-volt interlock circuit for the tape feed and hammer control circuits on PC card B1 in printer interpreter mechanism A3. In addition, the B contacts of relay K3 provide a closure indicating a ready condition to punch logic assembly A1.

b. *Card Alarm.* A blown fuse in the alarm in the circuit located in printer interpreter mechanism A3A1 provides voltage to alarm relay PS2K4. This energizes K4, resulting in an interruption of the interlock relay PS2K3. Thus, a not-ready signal is sent to punch logic assembly A1.

c. *Off Sequence.* When the ac input power is removed, the +6-volt, -4.75-volt (or -5.3-volt in equipment modified by MWO 11-7440-222-30/1), -6-volt, -18-volt, and -36-volt outputs are removed. Simultaneously interlock relay K3 is deenergized, removing the ready signal and relay K1 is deenergized, placing bleeder resistor R61 across the -36-volt storage bank.

d. *Power Supply Input Circuit.* The main power supply, consisting of the +6, -4.75-volt (or -5.3-volt in equipment modified by MWO 11-7440-222-30/1), -6, and -18-volt circuits, receives ac input power across the primary winding of transformer T1. The secondary voltage to each circuit is supplied by four separate secondary windings of T1. A fifth secondary winding supplies power to the auxiliary bias supply. The -36-volt circuit input power is received by transformer T2 which is an integral part of the regulating function of this circuit.

e. *Auxiliary Bias Supply.* Ac input voltage is fed to the auxiliary bias supply from transformer T1. Full-wave rectification of the ac input voltage is performed by diodes CRO1 and CRO2. Capacitor CO1 filters the input voltage. The auxiliary bias supply is used to supply a constant current, stabilized by Zener diode CR23, to the +6-volt circuit.

f. *+6-Volt Circuit Ac input.* power to the +6-volt circuit appears across secondary terminals 12, 13, and 14 of transformer T1. Diodes CR3 and CR4 perform full-wave rectification of the ac input voltage. The resulting dc voltage which is approximately 9.8 volts is filtered by capacitor C2.

(1) *Transistor series passing stage.* The 9.8 volts appears on the output terminals minus the drop across passing transistor Q1, and resistor R4. This passing stage can be thought of as a variable impedance. If the output voltage tends to rise due to a line or load change, the passing transistor impedance increases. The result is additional transistor voltage drop which causes the output voltage to remain at the preset value; conversely, when the output voltage falls, the impedance of the transistor decreases and additional voltage is supplied to the output terminals, returning the output voltage to its original level.

(2) *Controller or sensing circuit and amplifier.* The sensing circuit for the power supply consists of a bridge circuit (Zener diode CR5, and resistor R9), resistor divider R10 and R11. R10 is the output adjust potentiometer. The output of the bridge circuit is used to feed any error signal produced to a differential amplifier consisting of transistors Q5 and Q6. The current to the amplifier forms part of the current flow of the constant current supply previously mentioned. Transistor Q1 and driver Q3 form a Darlington connection. The driving current for Q3 comes from the auxiliary bias supply through the resistor R1 which limits the dissipation in the driver. The sum of the currents to driver Q3, plus the current to Q6, total up to the constant current source current. The amplifier, in effect, senses any error on the output and adjusts the current it absorbs from the constant current source so that the difference current drives the Darlington amplifier to correct the passing stage impedance. C3 is a stabilizing capacitor, and CR24 serves for reverse voltage protection of series operation is used.

(3) *Current limiting circuit.* Resistor R4 is the current sensing resistor controlling current flow through Q4, Resistors R6 and R3 are chosen so that Q5 is cutoff as long as the output current does not exceed approximately 150-200 percent of full load. As the output current is increased above that, Q5 becomes forward biased and starts conducting. The passing stage absorbs the additional voltage, passing only enough current in case of a short to keep Q4 saturated.

(4) *Constant current supply.* The +6-volt circuit output is used as the driver and constant current supply for all other circuit outputs. It also feeds the differential amplifier in the -6 volt and -4.75-volt (or -5.3-volt in equipment modified by MWO 11-7440-222-30/1) circuit, which have a 5.1-volt reference and require an amplifier voltage greater than 6 volts. The supply voltage for the amplifier is the sum of the output voltage plus the 6-volt bias, since plus output minus bias are common.

g. *-6 Volt Circuit.* The -6 volt circuit operation is the same as the +6 volt circuit discussed in f except for minor differences such as component values.

h. *-18 Volt Circuit.* The -18 volt circuit operation is the same as the +6 volt discussed in f above except for minor differences such as component values and the addition of a resistor R31 to divider resistors R32 and R33.

i. *-4.75 Volt Circuit.* The -4.75-volt (or -5.3-volt in equipment modified by MWO 11-7440-222-30/1) circuit operation is basically the same as the +6 volt circuit discussed in f above except that a driver power stage, transistor Q24, is added because of the greater current demanded from this circuit. Resistor R54 is added to divider resistors R32 and R33.

j. *-36 Volt Circuit.* The 115-volt, 60-cps input power to the primary winding of transformer T2 which is a constant voltage transformer. This regulator is basically a combination of resonant electrical circuit and a high-leakage-reactance magnetic circuit. The electrical components consist of an input winding. The resonant circuit winding with capacitor C17, and the

output winding. The magnetic component consists of a laminated core with a shunt between the input and output electrical windings. A full-wave bridge circuit made up of diodes CR19, CR20, CR21, and CR22 rectifies the a secondary voltage. The rectified voltage is filtered by capacitor C1 which is located externally on the printer interpreter mechanism A3A1 Where it also serves as buffer capacitor to reduce the effect of pulse loading. The -36 volt supply is enables by relay K1 Which is actuated by the +6 volt supply. Thus, when ac input power is applied to the power supply and +6 volt output rises, relay contacts K1A and are closed and opened, respectively, enabling the -36 volt supply circuit.

3-104. Dc Distribution

(fig. 8-26)

The dc voltage outputs from printer interpreter power supply PS2 are routed to jack A3A2J2 of printer interpreter A3. The voltages are distributed by wiring within printer interpreter A3 to the PC cards, the alarm circuit, and the tape read and code wheel lamps. Capacitor A3A2C1 filters the -36 volt output of the -36 volt circuit in printer interpreter power supply PS2 and also serves as a buffer capacitor to reduce the effect of pulse loading.

3-105. Alarm Circuit

(fig. 8-27)

The Alarm circuit monitors for blown fuse A3A2F1 or A3A2F2 in the -36 volt supply lines to the hammer control circuit and tape feed control circuit on PC card B1. When either fuse blows, the -36 volt input from PC card B1 is routed through jack J2 to the alarm relay in printer interpreter power supply PS2. This results in an interruption of the -18 volt interlock circuit and the transfer of the ready signal to the not-ready signal from the power supply to punch logic assembly A1.

3-106. Tape Out Switch Circuit

(fig. 8-28)

The tape out switch includes a microswitch which is actuated when paper tape is threaded through the read station assembly of the printer interpreter mechanism. When the paper tape is removed, the switch is released. In the actuated condition, the switch provides a closed circuit between pins K and L of jack A3J2; in the released condition, a closed circuit exists between pins M and L.

3-107. Tape Read and Code Wheel Photocell Circuits, Block Diagram

(fig. 3-54)

a. *Tape Read Photocells.* Ten permanently lit tape read lamps or light emitting diodes are arranged in a single row directed at the seven associated photocells which monitor the data content in each column of the paper tape. When tape data is in ASCII code, each column consists of seven data bits; and when the data is in ITA-2 code, each column consists of five data bits. The photocells are arranged in a line so that all data bits in a column are simultaneously read. The operation of the tape read photocells is illustrated in figure 3-55 for typical columns of data punched in either ASCII or ITA-2 tape. The photocell signal is high when a hole appears under a photocell, causing the photocell to be lit. As the tape passes under the photocells, the signal goes low when no hole is present since the light is blocked from reaching the photocell by the paper tape. The photocell signals are fed from tape react photocell subassembly A3A1A4A2 to photocell amplifiers on PC cards A1 through A4 (fig. 8-29)

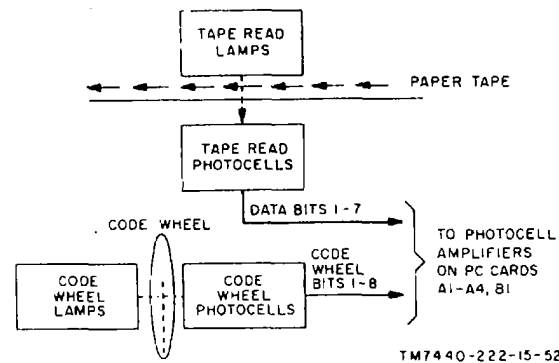


Figure 3-54. Tape read and code wheel photocell circuits, block diagram.

b. *Threshold Level Control.* Since the photocell signal levels change as the result of temperature variations, a thermistor

controlled variable receiver threshold (PC card B2) is used to control the threshold level of photocell amplifiers on PC cards A1 through A4. The thermistor which measures the temperature variations is located close to the tape read photocells. Therefore, when a temperature change is sensed, the thermistor causes the variable receiver threshold circuit to adjust the threshold levels of the tape read photocell amplifiers in order to anticipate and compensate for photocell signal output changes caused by the varying temperature.

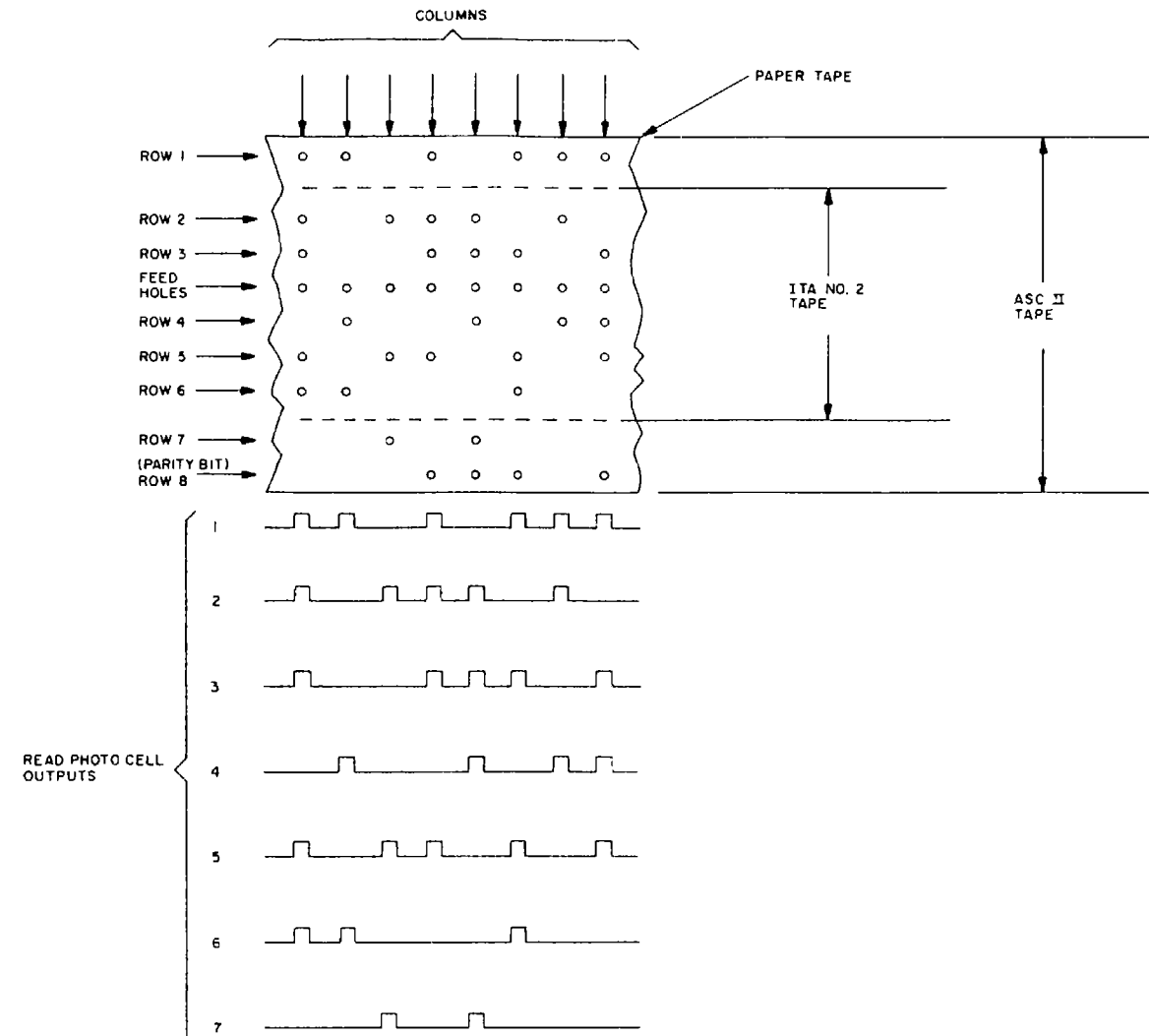


Figure 3-55. Typical tape read photocell outputs.

c. *Variable Threshold Receiver.* The variable threshold receiver circuit on PC card B1 consists of an integrated circuit voltage regulator QAO1 and two current amplifiers Q1 and Q2 (fig. 8-30). When a change in temperature is sensed by the external thermistor, the voltage regulator causes the eight parallel output lines to present a larger or smaller bias voltage to the external photocell amplifiers. Actually, the bias voltage, which can be measured at TP9, increases when the temperature increases because the thermistor causes the voltage regulator to increase its voltage output. This, in turn, lowers the threshold level of the photocell amplifiers accordingly. The potentiometers R1 through R8 in each or light emitting diodes output line are used to preset the range of threshold level variations.

d. *Code Wheel Photocells.* Ten permanently lit code wheel lamps or light emitting diodes are arranged in a single row directed at the eight associated photocells which read the coded characters in each radius of the code wheel. On the ASCII code wheel each radius consists of eight bits including the code wheel strobe bit. On the ITA-2 code wheel each radius consists of seven bits including the code wheel strobe bit; code wheel bit, 2 is omitted. The photocells are arranged in a line so that all bits in a radius are simultaneously read. The operation of the code wheel photocells is illustrated in figure 3-56 for typical radii

of the code wheel. The photocell signal is high when a hole in the code wheel appears at the photocell and causes the photocell to be lit. As the code wheel turns, the signal goes low when no hole is present, light is blocked from reaching the photocell by the code wheel. The photocell signals are fed from code wheel photocell subassembly A3A1A2A1A1 to photocell amplifiers on PC cards A1 through A4, and B3 (fig. 8-31).

3-108. Bits 1 and 2 Comparator

Data bits 1 and 2 read from the paper tape are compared with channels 2 and 3, respectively, of the code wheel by the bits 1 and 2 comparator. A low level true 1 and 2 output is produced by the comparator when both pairs of bits being compared are equal. Thus, when data bit 1 and code wheel bit 2 are both either high or low, and data bit 2 and code wheel bit 3 are both either high or low, the true 1 and 2 line is low.

a. The two pairs of bits to be compared are provided by tape read and code wheel photocells on the printer interpreter mechanism. The bits are represented by current flow when holes are detected in the paper tape or the code wheel by the corresponding photocells, and by the absence of current flow when no holes are detected. The bits appear at separate photocell amplifiers A1A, A1B, A1C, and A1D on card A1 (fig. 8-32).

b. Each photocell amplifier converts the presence of current into a low output logic level and the absence of current into a high output logic level. Data bit 2 and code wheel bit 3 are converted by photocell amplifiers A1C and A1D, respectively. The photocell amplifier outputs are not-functions since they are low when holes are detected by the corresponding photocells and are identified as data bit 2 and code wheel bit 3. However, the true-functions of these two bits are also required for performing the comparison. To obtain the true-functions, data bit 2 and code wheel bit 3 are inverted by inverters A1G and A1H, respectively.

c. The true and not-true functions of each bit are applied to AND gates A1K and A1L which are part of the exclusive OR circuit including OR gate A1M. The purpose of A1K and A1L is to monitor for inequality in the two bits being compared. For example, when data bit 2 is a high level and code wheel bit 3 is a low level, A1K is disabled by two high levels while A1L is enabled by two low levels. The low output produced by A1L causes OR gate A1M to produce a low output, indicating unequal bits. When the two bits are equal, high or low, A1K and A1L each receives a high and a low input. The resulting high level outputs from the two AND gates appear as two of the four inputs to OR gate A1M. The other two inputs to A1M are high if data bit 1 and code wheel bit 2 are equal, high or low (d below). Thus, A1M produces a high output which indicates two pairs of equal bits. Since a low true 1 and 2 output signal is required to represent equal bits, inverter A1N inverts the high level output from OR gate A1M to a low output signal.

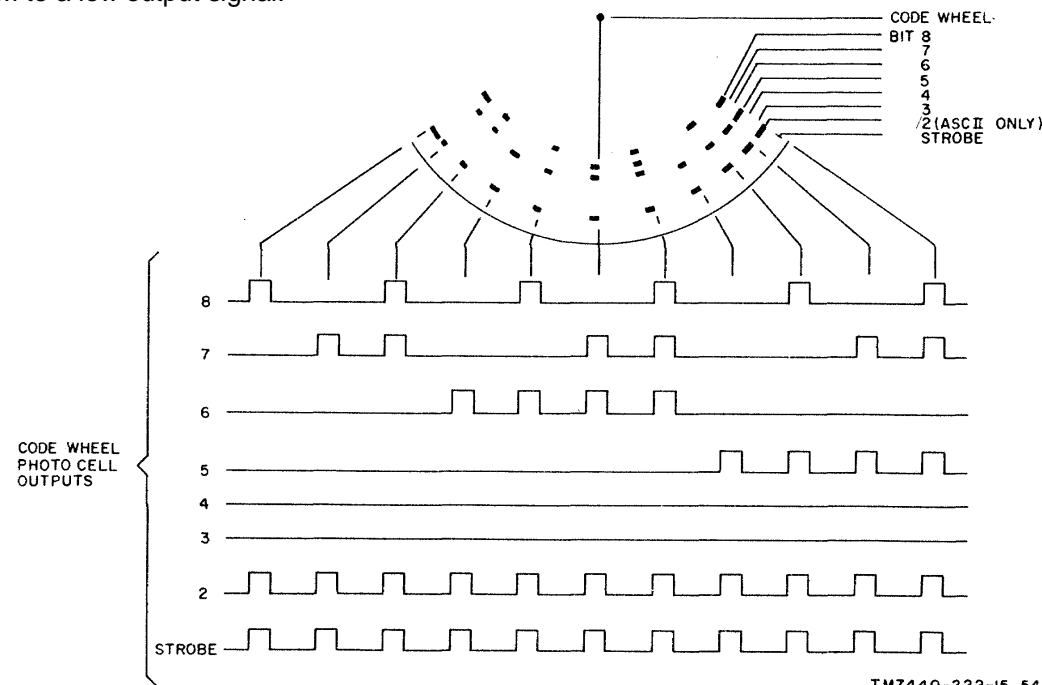


Figure 3-56. Typical code wheel photocell outputs.

d. During the ASCII mode, the circuit that compares data bit 1 and code wheel character bit 2 functions in the same manner as the circuit discussed above. The two circuits are identical except that AND gate A1E replaces inverter AG and

AND gate A1J has three input lines instead of two. The low level ASCII input signal, which is normally present during the ASCII mode, does not affect the comparing function.

e. In the ITA-2 mode, the function of comparing data bit 1 and code wheel bit 2 is suppressed since the data bit 1 photocell is not used. This is accomplished by a high level ASCII input and a low level code wheel bit 2, both of which are constant for the duration of the ITA-2 mode. The high level ASCII signal disables AND gate A1J while the low level code wheel bit 2 causes photocell amplifier A1B to produce a high level output which disables AND gate A1I. The resulting inputs to OR gate A1M from A1J and A1I are permanently high level as long as the ITA-2 mode is used. Therefore, the two remaining inputs to A1M from AND gates A1K and A1L determine the output of the true 1 and 2 line during the ITA-2 mode.

3-109. Bits 3 and 4 Comparator

Data bits 3 and 4 read from the paper tape are compared with channels 4 and 5, respectively, of the code wheel by the bits 3 and 4 comparator. A low level true 3 and 4 output is produced by the comparator when both pairs of bits being compared are equal. Thus, when data bit 3 and code wheel bit 4 are both either high or low, and data bit 4 and code wheel bit 5 are both either high or low, the true 3 and 4 line is low. The data bits 3 and 4 comparator logic is identical to the data bits 1 and 2 comparator (para 3-108), except that a steady -6-vdc input replaces the ASCII input (fig. 8-33). Therefore, the data bit 3 and code wheel bit 4 comparison function is not suppressed in the ASCII mode as is the data bit 1 and code wheel bit 2 comparison function in the data bits 1 and 2 comparator.

3-110. Bits 5 and 6 Comparator

Data bits 5 and 6 read from the paper tape are compared with channels 4 and 5, respectively, of the code wheel by the bits 5 and 6 comparator. A low level true 5 and 6 output is produced by the comparator when both pairs of bits being compared are equal. Thus, when data bit 5 and code wheel bit 6 are both either high or low, and data bit 6 and code wheel bit 7 are both either high or low, the true 5 and 6 line is low.

a. The data bits 5 and 6 comparator logic is identical to the data bits 1 and 2 comparator (para. 3-108), except that a steady -6-vdc input replaces the ASCII input at pin 9 (fig. 8-34). Therefore, the data bit 5 and code wheel bit 6 comparison is not suppressed in the ASCII mode as is the data bit 1 and code wheel bit 2 comparison in the data bits 1 and 2 comparator. However, additional circuitry in the data bits 5 and 6 comparator, consisting of AND gate A30, suppresses the data bit 6 and code wheel bit 7 comparison under certain input conditions during the ASCII mode.

b. In the ASCII mode, a constant low level ASCII input conditions AND gate A30 so that a low level code wheel bit 8 input enables A30 to produce a high level output. This high level signal disables AND gates A3K and A3L, which normally monitor for inequality in the two bits being compared. Inverter A3P inverts the low level output from AND gate A30 to a high level signal. Thus, whenever the code wheel bit 8 input is a low level during the ASCII mode, A3K and A3L both produce high level outputs, indicating equal bits, to OR gate A3M. If data bit 5 and code wheel bit 6 are equal at the same time, the other two inputs to A3M are also high so that a high level output from A3M is applied to inverter A3N. Since a low true 5 and 6 output is required to represent equal bits, inverter A3N inverts the high level output from OR gate A3M to a low output signal.

c. When code wheel bit 8 is a high level input, AND gate A30 is disabled, resulting in a low level output from A30 which does not affect the normal comparison function of AND gate A3K and A3L. The same result is obtained in the ITA-2 mode when the ASCII input is a constant high level signal.

3-111. Bit 7 Comparator

Data bit 7 read from the paper tape in the ASCII mode is compared with channel 8 of the code wheel by the bit 7 comparator. A low level true output is produced by the comparator when the two bits being compared are equal. Thus, when data bit 7 and code wheel bit 8 are both either high or low, the true 7 line is low. In the ITA-2 mode, the bit 7 comparator compares the letters /figures input signals with code wheel bit 8. There is no data bit 7 in this mode. The letters /figures input signals represent the selection of either the letters or figures case configuration by the case decoder circuit on card B4. Thus, when the letters input and a low level code wheel bit 8 are present or the figures input and a high level code wheel bit 8 are present, the true 7 line is low.

a. The pair of bits to be compared in the ASCII mode are provided by tape read and code wheel photocells on the printer interpreter mechanism. The bits are represented by current flow when holes are detected in the paper tape or the code wheel

by the corresponding photocells, and by the absence of current flow when no holes are detected. The bits appear at photocell amplifiers A4A and A4B on card A4 (fig. 8-35).

b. Each photocell amplifier converts the presence of current into a low output logic level, and the absence of current into a high output logic level. The photocell amplifier outputs are not-functions since they are low when holes are detected by the corresponding photocells and are identified as data bit 7 and code wheel bit 8. However, the true-functions of these two bits are also required for performing the comparison. To obtain the true-function, code wheel bit 8 is inverted by inverter A4F while data bit 7 enables AND gate A4D to produce a high level output. A4D is normally conditioned by a low level ASCII input during the ASCII mode. The high level output of A4D enables AND gate A4E which is normally conditioned by a low level letters /figures input during the ASCII mode. Thus, the high level output of A4D and the low level output of A4E represent the true and not-true functions of data bit 7, respectively.

c. The true and not-true functions of each bit are applied to AND gates A4G and A4H which are part of the exclusive OR circuit including OR gate A4I. The purpose of A4G and A4H is to monitor for inequality in the two bits being compared. For example, when data bit 7 is a high level and code wheel bit 8 is a low level, A4G is disabled by two high levels while A4H is enabled by two low levels. The low output provided by A4H causes OR gate A4I to produce a low output, indicating unequal bits. When the two bits, are equal, high or low, A4G and A4H each receives a high and a low input. The resulting high level outputs from the two AND gates cause OR gate A4I to produce a high level output which indicates equal bits. Since a low true 7 output signal is required to represent equal bits, inverter A4J inverts the high level from OR gate A4I to a low output signal.

d. In the ITA-2 mode, the ASCII input and data bit 7 become constant low level inputs which cause photocell amplifier A4A and inverter A4C to produce high level signals to AND gate A4D. The result is that A4D remains disabled for the duration of the mode and produces a low level output to AND gates A4G and A4E. Thus, A4E is subsequently enabled and disabled by letters /figures inputs from the case decoder circuit. AND gates A4G and A4H perform the same monitoring function as in the ASCII mode except that they monitor for inequalities between the letters /figures input and code wheel bit 8.

3-112. Case Decoder Circuit

When the data punched in the paper tape is in ITA-2 code, the case decoder circuit checks the print comparator functions for selecting characters in either the figures or letters case configuration for printing. The selected case configuration is represented by a data bit which becomes a sixth bit for the five-bit ITA-2 code for each subsequent character code.

a. The key to the selection of the proper case configuration is data bit 4 which is supplied in complementary form. When a figures-select code appears on the paper tape, the print comparators provide all negative data bits 2, 3, 5, and 6 and data bit 4 to AND gate B4A on card B4 (fig. 8-36). If the disable fire signal from the clock feed circuit on card B3 is a low level input at the same time, AND gate B4A on card B4 is enabled and sets letters-figures flip-flop B4D. The resulting high level on the 1 output of B4D indicates to the bit 7 comparator on card A4 that the next character code represents a character in the figures case configuration. This continues for the following character codes as well until a letters select code appears on the paper tape.

b. Except for the data bit 4 signal, the same data bit signals and feed signal appear at AND gate B4B. However, AND gate B4B is inhibited by the data bit 4 signal which is high level at this time. When a letters-select code appears on the paper tape, the output levels of the complementary data bit 4 signals are reversed so that AND gate B4A is disabled by the positive data bit 4 level. Since the ASCII input is low during the ITA-2 mode, the data bit 4 signal is a negative pulse which enables AND gate B4B. The resulting high level output of B4B passes through the input OR gate to clear letters /figures flip-flop B4C and causes a low level letters output to appear at the 1 output of the flip-flop. This low level output indicates to the bit 7 comparator that subsequent character codes represent a character in the letters case configuration. The low level actually becomes the sixth bit of the five-bit ITA-2 character codes.

c. When the data punched in the paper tape is in eight-bit ASCII code, a high level is passed through the input OR gate to clear letters-figures flip-flop B4C. The flip-flop remains cleared for the duration of the ASCII mode, since the ASCII code already includes a case-configuration select-bit and does not require the case decoder circuit function. Letters/figures flip-flop B4C is also cleared during the power turn-on sequencing by a high level appearing on the clear input, which assures that the functioning of the case decoder circuit begins in a reset state. At the conclusion of power sequencing, the clear input LC turns to a low level.

3-113. Clock Feed Circuit

The clock feed circuit produces positive output pulse in response to advance input -signals from the paper tape punch mechanism. It consists of single-shot B3C on card B3 (fig. 8-36) which produces a positive 13-millisecond disable fire pulse each time a high level advance input is received. This circuit assures that sufficient time is allowed for the paper tape to advance and stop before a character is printed.

3-114. Fire Control Circuit

The fire control circuit provides hammer fire output pulses to the hammer control circuit on card B1. The fire control circuit is triggered by the code wheel strobe inputs when bits 1 through 7 comparators produce a true input.

a. When the paper tape is advanced in the printer interpreter mechanism, a high level disable fire input sets flip-flop B4D on card B4 (fig. 8-36). The resulting low level on the 0 output of B4D is applied to AND gate B4E. However, the high level disable fire input inhibits B4E until it becomes a low level which occurs after the paper tape is advanced one position and stopped. As a result, B4E is conditioned to be enabled by a low level true input which occurs when all the bits being compared in bits 1 through 7 comparators are equal. When B4E is enabled, it produces a high level enable fire (ENF) output to the AND gate input to single-shot B3B on card B3 (fig. 8-36).

b. The high level fire enable signal conditions AND gate input to single-shot B3B which is subsequently fired when a low level code wheel strobe input occurs. The low level strobe is provided by the associated code wheel photocell in the printer interpreter mechanism and is indicated by the absence of current flow to photocell amplifier B3A. The photocell amplifier converts the absence of current into a high output logic level to enable the AND gate input to single-shot B3B. As a result, the AND gate high level output triggers the single-shot to produce a negative, 20-microsecond hammer fire pulse on the 0 output.

c. Single-shot B3B also produces a positive fire pulse on the 1 output which passes through the input OR gate on card B4 to clear flip-flop B4D. The resulting high level on the 0 output of B4D disables AND gate B4E which in turn, disables the AND gate input to single-shot B3B on card B3 and, in effect, clears the fire control circuit for the next cycle. The same result is obtained when either a high level backspace input or a high level clear input pass through the OR gate input to flip-flop B4D on card B4. The backspace input inhibits the fire control circuit so that no printing is done in the backspace mode. The high level clear input occurs during the power turn-on sequencing to assure that the fire control circuit is cleared before the first cycle begins.

3-115. Tape Feed Control-Circuit

The tape feed control circuit energizes the advance tape feed solenoid to advance the paper tape one row for comparison and printing. It is also used to energize the backspace tape feed solenoid for backspacing the paper tape one row. However, no comparison or printing is done in a backspace mode. The tape feed control circuit is controlled by inputs from the paper tape punch mechanism.

a. When a high level advance signal occurs, it passes through amplifier AOA on card AO (fig. 8 37), to inverter B1A. The resulting low level output of inverter B1A triggers single-shot B1B to produce a negative 4-millisecond pulse which is inverted by solenoid driver B1C. As a result, the positive paper tape advance pulse from solenoid driver B1F provides a return path for the -36-volt excitation which is fed to tape feed solenoid A3A1A1L1 from card BO (fig. 8-39). When this occurs, the tape feed solenoid energizes momentarily, causing the paper to be advanced one row.

b. The backspace mode of the tape feed control circuit performed by amplifier AOB, inverter B1D, single-shot B1E solenoid driver B1F, and tape feed solenoid A3A1A1L2 is almost identical to the advance mode described above. The only difference in the backspace mode is that the paper tape is backspaced one row instead of being advanced one row as in the advance mode.

3-116. Hammer Control Circuit

a. The hammer control circuit energizes the hammer solenoid to print a character on the paper tape. It is controlled by input pulses from the fire control circuit and by interlock and print off inputs from power supply PS1 and the control panel, respectively.

b. The interlock and print off inputs are both low level inputs as long as the interlock circuit in power supply PS1 is closed and PRINT INDEPENDENT switch on the control panel is in the ON position. Both inputs condition the AND gate input to single-shot B1G on card B1 (fig. 8-37) which is subsequently enabled when a negative hammer fire pulse is generated by the fire control circuit on card B4. This negative pulse appears at the output of the AND gate on card B1 and triggers single-shot B1G to produce a negative 1.5-millisecond pulse which is inverted by solenoid driver B1H. As a result, the positive pulse from solenoid driver B1H provides a return path for the -36-volt excitation which is fed to hammer solenoid A3A1A3L1 from card B0

(fig. 8-38). When this occurs, the hammer solenoid energizes momentarily, causing the print hammer to be activated for one print cycle.

3-117. Ribbon Control Circuit

The ribbon control circuit energizes the forward or the reverse ribbon solenoid for ribbon motion during printing. It is controlled by inputs from the ribbon actuated switches in the ribbon feed mechanism and paper tape advance pulses from the tape feed control circuit.

a. When ribbon motion is in the forward direction and the ribbon supply is nearly used up, an eyelet in the ribbon material actuates ribbon switch A3A1A2S1 (fig. 8-38). This produces a high level to set ribbon direction flip-flop B0A. The resulting low level on the 0 output of the flip-flop conditions the AND gate input to solenoid driver B0F. The AND gate is subsequently enabled when a low level appears on the 0 output of ribbon motion flip-flop B0E. As a result, the low level output from the AND gate causes solenoid driver B0F to provide a return path for the -36-volt excitation which is fed to the related ribbon solenoid A3A1A2L1 through resistor B0R6. When this occurs, ribbon feed motion begins in the reverse direction and ribbon switch A3A1A2S1 is released. However, ribbon direction flip-flop B0A remains set and the high level on the 1 output of the flip-flop inhibits the AND gate input to solenoid driver B0B. Therefore, the low level output present on solenoid driver B0B keeps the related ribbon solenoid A3A1A2L2 deenergized.

b. When the ribbon supply runs out in the reverse direction, ribbon switch A3A1A2S2 is actuated and the resulting high level clears ribbon direction flipflop B0A. The high level now on the 0 output of B0A disables the AND gate input to solenoid driver B0F, causing ribbon solenoid A3A1A2L1 to deenergize. At the same time, the low level on the 1 output of flipflop B0A conditions the AND gate input to solenoid driver B0B. This AND gate is enabled when a low level is present on the 1 output of ribbon motion flip flop B0E. When this occurs, ribbon solenoid A3A1A2L2 is energized and ribbon feed motion begins in the forward direction.

c. Ribbon feed motion in either direction continues only as long as a low level is present on the 0 output of ribbon motion flip-flop B0E. This condition occurs when a paper tape advance pulse generated by the tape feed control circuit on card B1 passes through the OR gate input to flip-flop B0E on card B0 and sets ribbon motion flip-flop B0E. The low level on the 0 output of the flip-flop also provides an enabling condition for AND gate B0C. However, B0C is not enabled until the negative stop at the trailing edge of the paper tape advance pulse occurs. The resulting low level output from AND gate B0C triggers time delay B0D to produce a positive pulse after 300 milliseconds. This pulse clears ribbon motion flip-flop B0E, thereby disabling both AND gate inputs to solenoid drivers B0B and B0F. However, if another tape advance pulse appears before the 300-millisecond interval has elapsed, AND gate B0C is disabled and its high level output resets time delay B0D. Therefore, no output pulse appears to clear ribbon motion flip flop B0F. When subsequent paper tape advance pulses occur frequently enough, time delay B0D is repeatedly reset before any 300-millisecond interval elapses; thus ribbon feed motion is continuous.

3-118. Detailed Operation of Discrete Circuit Logic Elements

a. *Type A-1A AND Gate* (fig. 3-57). The type A-1A AND gate produces a negative output when all three inputs are low level. The negative output voltage is developed from the - 18-volt supply by the drop across resistor R20 and the loading of the next logic element. When a 0-volt input appears at one of the three inputs, the associated diode, CR11, CR12, or CR13, is forward biased, resulting in a 0-volt output. Any additional 0-volt input has no effect on the output.

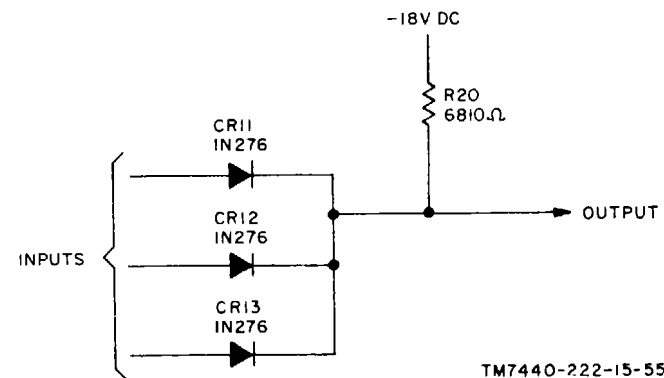
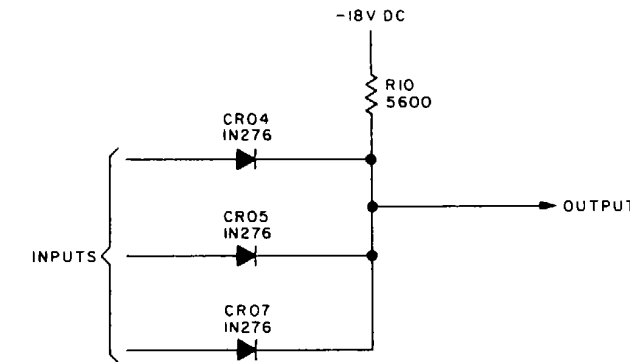


Figure 3-57. Type A-1A AND gate, schematic diagram.

b. *Type A-1B AND Gate* (fig. 3-58). The type A-1B AND gate is identical to the type A-1A AND gate discussed in a above except that the value of bias resistor R10 is 5.6K. The chart below lists the components shown in figure 3-58 and relates them to corresponding components in other type A-1B circuits.

Type A-1B designations	Components		
A1J, A2J, A3J	CR04	CR05	CR07
A3K	CR12	CR17	CR23
A3L	CR14	CR15	CR24
A4G	CR03	CR04	CRO9
			R10
			R27
			R28
			R09



NOTE:
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Figure 3-58. Type A-1B AND gate, schematic diagram.

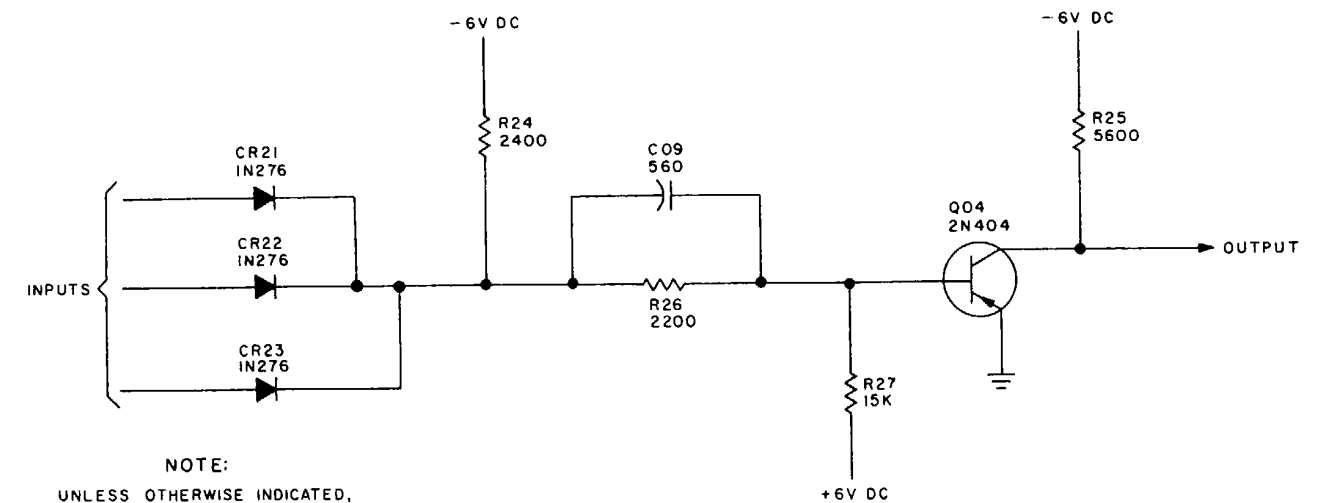
c. *Type A-2A AND Gate* (fig. 3-59). The type A-2A AND gate is similar to the type A-1A AND gate except that an inverter stage, Q04, has been added. Only when all three inputs at the three diodes CR21, CR22, and CR23, are negative does Q04 conduct, producing a 0-volt (logic 1) output.

d. *Type A-SB AND Gate* (fig. 3-60). The type A-2B AND gate operates in the same way as the A-2A AND gate described in C above except that three additional diodes are added to the AND function.

e. *Type A-2C AND Gate* (fig. 3-61). The type A-2C AND gate operates in the same way as the A-2A AND gate described in C above except that four additional diodes are added to the AND function.

f. *Type A-3 AND Gate*. Type A-3 AND gate is similar to AND gate A-2A, except A-3 has one less input. The chart below lists the components in AND gate A1E shown in figure 3-62 and relates them to corresponding components in other type A-3 circuits.

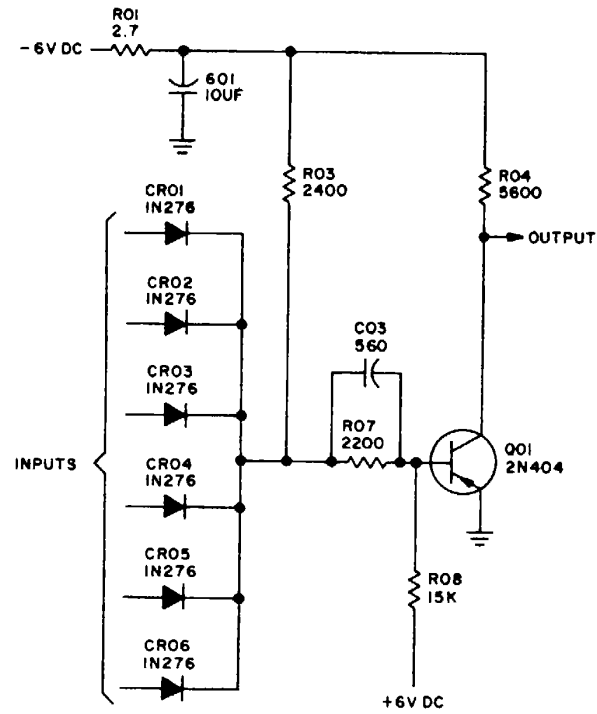
Type A-3 designations	Components						
A1E,A2E,A3E	C03	CR01	CR02	Q03	R06	R07	R08
A30	C07	CR21	CR22	Q14	R41	R42	R44
A4D	C03	CR01	CR02	Q03	R06	R07	R08
A4E	C06	CR06	CR07	Q05	R18	R19	R20
							R12
							R43
							R11
							R22



NOTE:
UNLESS OTHERWISE INDICATED,
RESISTANCES ARE IN OHMS,
CAPACITANCES ARE IN UUF.

TM7440-222-15-57

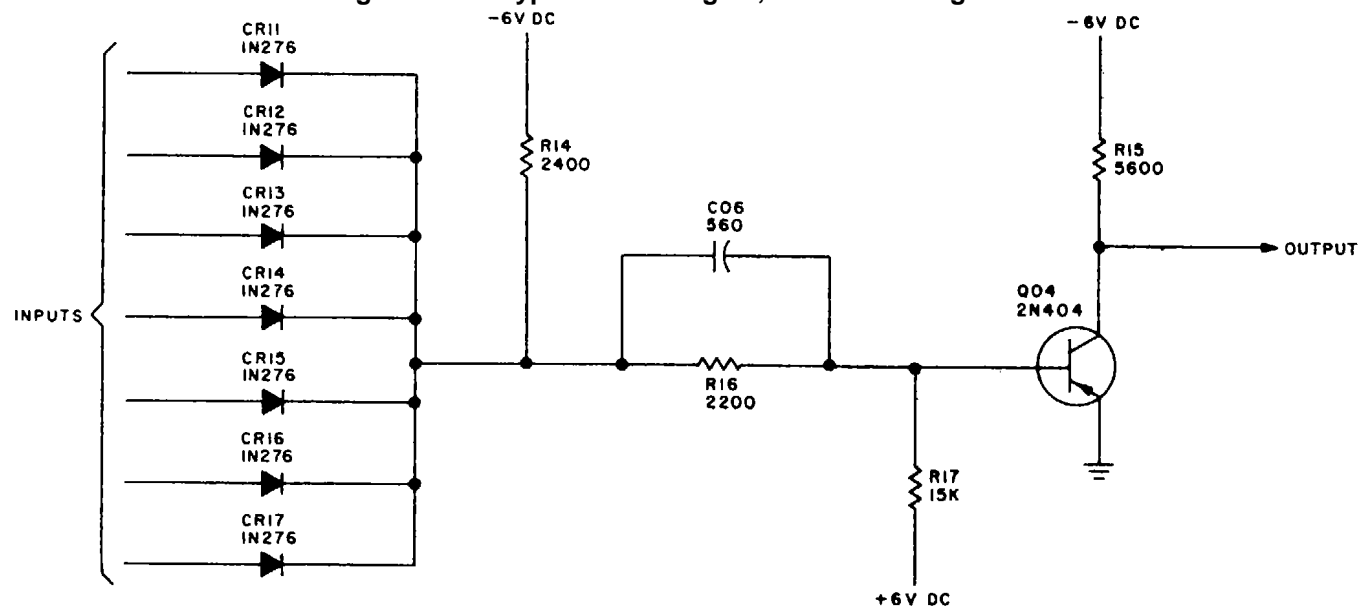
Figure 3-59. Type A-2A AND gate, schematic diagram.



NOTE:
UNLESS OTHERWISE INDICATED,
RESISTANCES ARE IN OHMS,
CAPACITANCES IN UUF.

TM7440-222-15-58

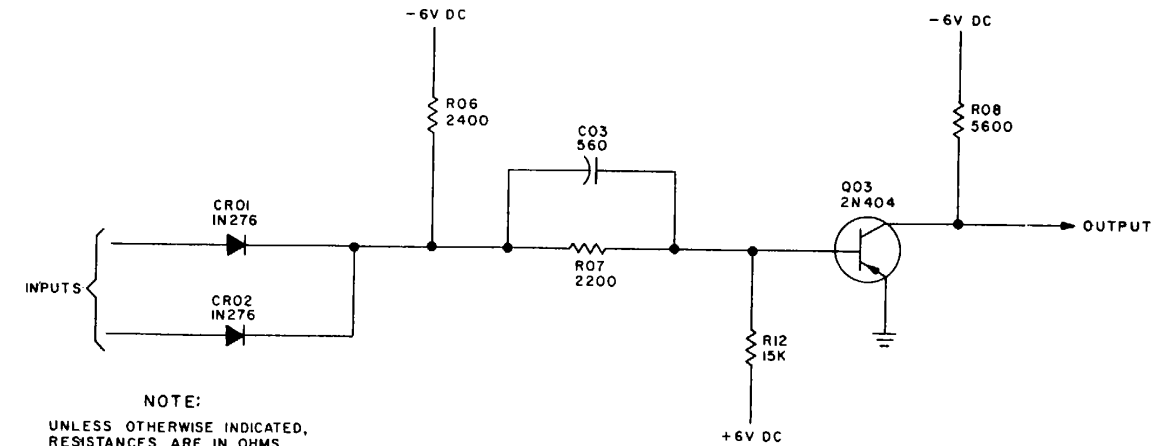
Figure 3-60. Type A-2B AND gate, schematic diagram.



NOTE:
UNLESS OTHERWISE INDICATED,
RESISTANCES ARE IN OHMS,
CAPACITANCES ARE IN UUF.

Figure 3-61. Type A-2C AND gate, schematic diagram.

TM7440-222-15-59



NOTE:
UNLESS OTHERWISE INDICATED,
RESISTANCES ARE IN OHMS,
CAPACITANCES ARE IN UUF.

TM7440-222-15-60

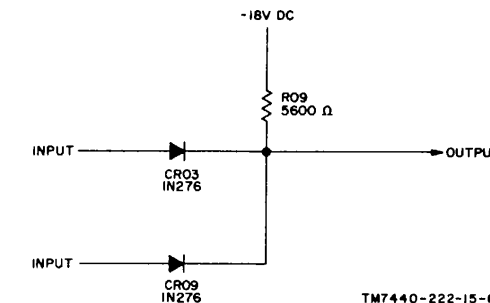
Figure 3-62. Type A-3 AND gate, schematic diagram.

g. Type A-4 AND Gate (fig. 3-63). The type A4 AND gate is a conventional 2-input AND gate which produces a negative output when both inputs are low level. The chart below lists the components in A1I and relates them to corresponding components in other type A-4 circuits.

Type A-4 designations	Components		
A1I, A2I, A3I	-CR03	CR09	R09
A1K, A2K	CR12	CR17	R27
A1L, A2L	CR14	CR15	R28
A4H	CR08	CR11	R21

h. Type AMPL-1 Amplifier (fig. 3-64). A 0-volt input to the type AMPL1 amplifier results in an output voltage of approximately -6 volts, while a +4.5volt input results in a 0-volt output.

(1) A +4.5-volt input at resistor R03 drives transistor Q01 into conduction so that a positive voltage established by resistor R07 and diodes CR02 and CR03 appears at both the base and emitter of transistor Q02, cutting it off. The low level on the collector of Q02 drives Q03 into conduction, resulting in a 0-volt level on the collector of Q03.



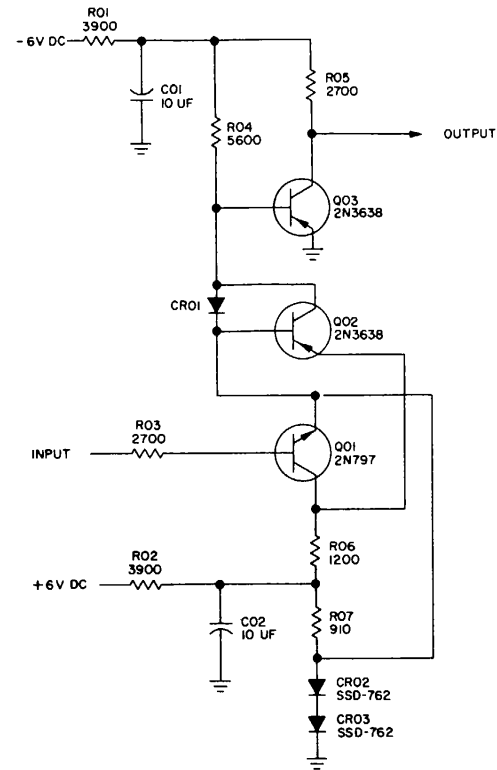
TM7440-222-15-61

Figure 3-63. Type A-4 AND gate schematic diagram.

(2) When a 0-volt input appears, Q01 is cut off. This causes a +6-volt level to be present at the junction of resistor R06 and the Q01 collector and also at the emitter of Q02. Thus, the base of Q02, which is limited by diodes CR02 and CR03, is at a less positive level than the emitter, and Q02 conducts. The positive level at the Q02 collector cuts off Q03, resulting in a negative output voltage which is established across resistor R05 and the loading of the next logic element. Diode CR01, which is normally back biased, protects transistor Q02 against reverse bias.

(3) Figure 3-64 represents the type AMPL1 circuit designated AOA. The chart below lists the components in AOA and relates them to corresponding components in the type AMPL1 circuit designated AOB.

Type AMPL-1 designations	Components											
AOA	CR01	CR02	CR03	Q01	Q02	Q03	R03	R04	R05	R06	R07	
AOB	CR04	CR05	CR06	Q04	Q05	Q06	R08	R09	R10	R11	R12	



NOTE:
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ALL RESISTANCES ARE IN OHMS. TM7440-222-15-62

Figure 3-64. Type AMPL-1 amplifier, schematic diagram.

i. Type FF-1 Flip-Flop (fig. 3-65). The FF-1 flip-flop is a conventional flip-flop circuit in which (in the set state), transistor Q03 is cut off and transistor Q04 is conducting. A 1 output corresponds to a 0-volt signal, whereas a 0 output produces a negative signal.

(1) When the voltage at the C input switches from -18 volts to 0 volt, the voltage applied to the base of transistor Q04 switches from negative to positive, thereby cutting off Q04. As this occurs, the Q04 collector voltage level changes from 0 volt to approximately -12 volts and Q03 is driven into conduction. Thus, in the cleared state, the 1 output of the flip-flop produces a signal of approximately -12 volts and the 0 output produces a 0-volt signal.

(2) When the S input receives a 0-volt signal, diode CR05 is forward-biased and passes the 0-volt signal to the base of transistor Q03. This, cuts off Q03, causing transistor Q04 to conduct so that the voltage levels at the 1 and 0 outputs are switched back to 0-volt and -12 volts, respectively. As a result, the flip-flop is in the set state.

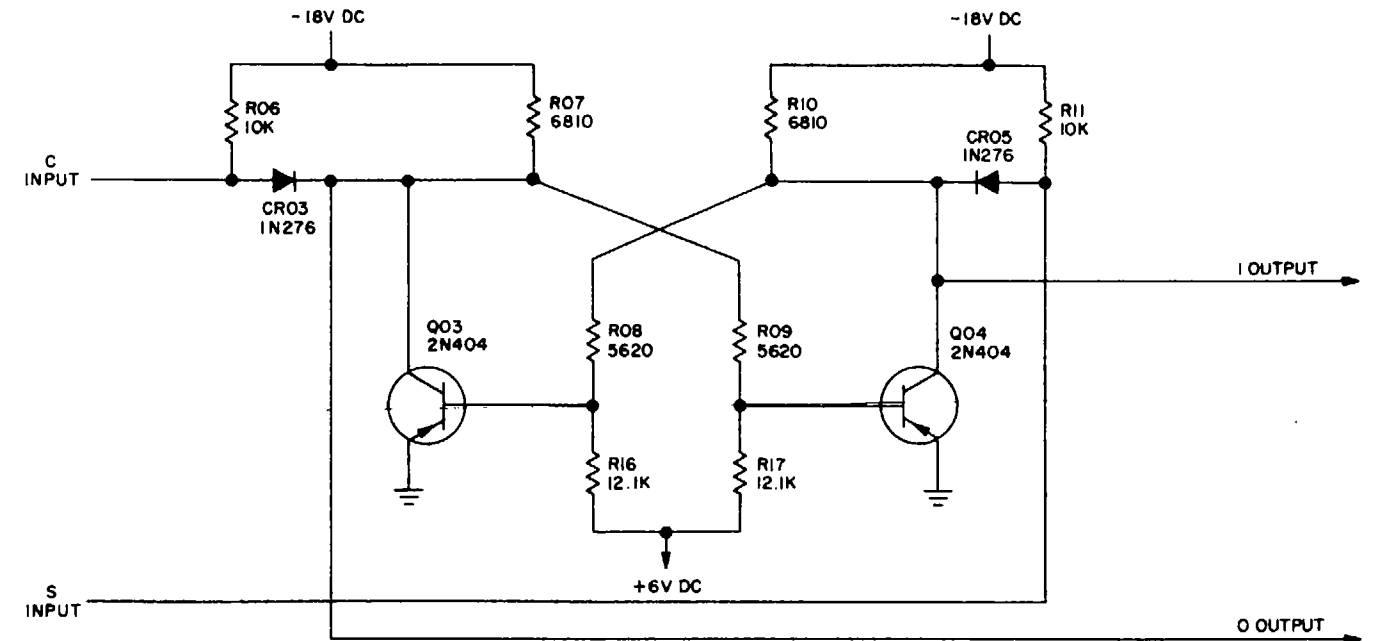
j. Type FF-2 Flip-Flop (fig. 3-66). The FF-2 flip-flop is a conventional flip-flop circuit in which (in the set state), transistor Q02 is cut off and transistor Q01 is conducting. Thus, the 1 output produces a 0-volt signal, while the 0 output produces a negative signal.

(1) When the voltage at the C input switches from a negative signal to 0 volt, the voltage applied to the base of transistor Q01 switches from negative to positive, thereby cutting off Q01. As this occurs, the Q01 collector voltage level changes from 0 volt to approximately -12 volts, and Q02 is driven into conduction, resulting in a 0-volt level on the Q02 collector which keeps Q01 cut off. Thus, in the cleared state, the 1 output of the flip-flop produces a signal of approximately -12 volts and the 0 output produces a 0-volt signal.

(2) The two diodes, CR01 and CR02 provide an OR function for the two S inputs so that if a 0-volt signal appears at either input the OR function passes it into the junction of resistors R02 and R04. Transistor Q02 is then cut off causing transistor Q01 to conduct, and the voltage levels at the 1 and 0 outputs are switched back to 0 volt and -12 volts, respectively. As a result, the flip-flop is in the set state.

k. Type FF-3 Flip-Flop (fig. 3-67). Flip-flop FF3 is a conventional flip-flop, similar to flip-flop FF-2, except it includes a 3-input OR gate, CR09, CR08, CR07. Figure 3-67 represents the type FF-3 circuit designated B4C. The chart below lists the components in B4C and relates them to corresponding components in the type FF-3 circuit designated B4D.

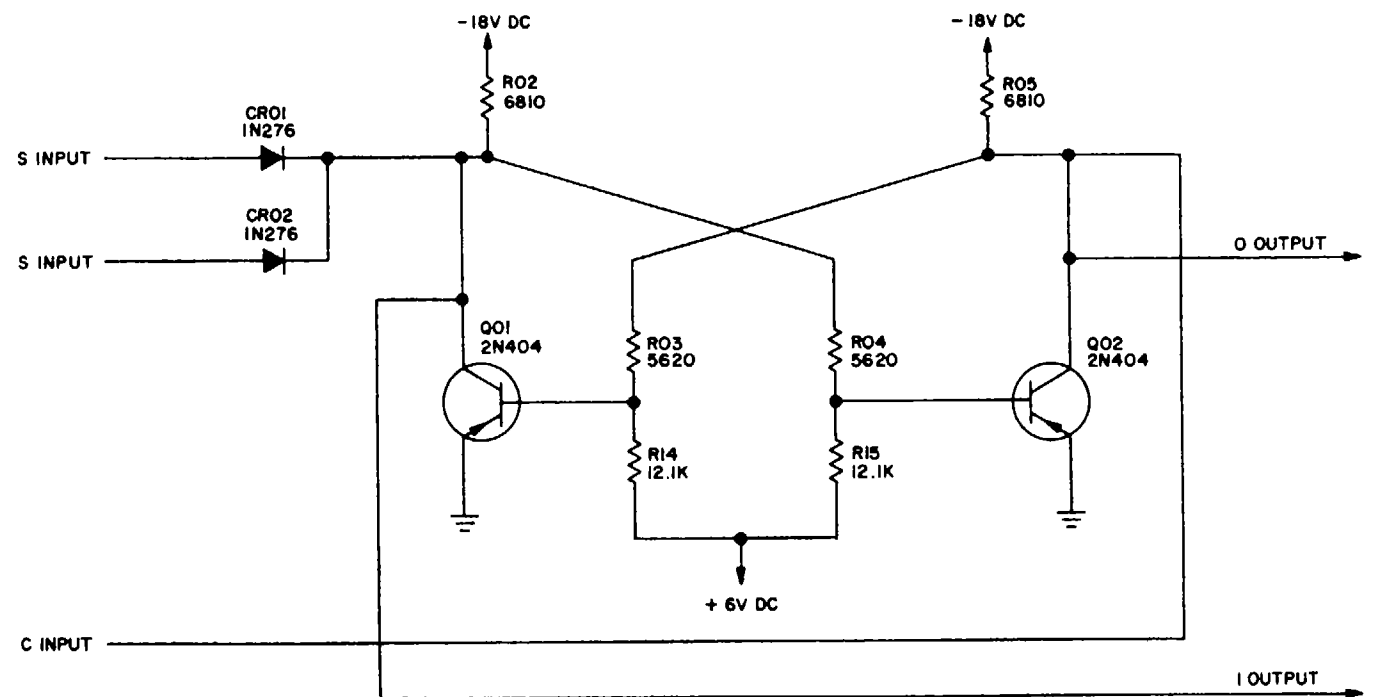
Type FF-3 designations	Components													
B4C.....	C04	C05	CR07	CR08	CR09	CR10	Q02	Q03	R05	R06	R09	R10	R11	R12
B4D.....	C07	C08	CR19	CR20	CR24	CR18	Q05	Q06	R18	R19	R20	R21	R22	R23



NOTE:
UNLESS OTHERWISE INDICATED:
ALL RESISTANCES ARE IN OHMS.

Figure 3-65. Type FF-1 flip-flop schematic diagram.

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NOTE:
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ALL RESISTANCES ARE IN OHMS.

Figure 3-66. Type FF-2 flip-flop, schematic diagram.

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logic element. Figure 3-69 represents the type I-2A circuit designated A1F. The chart below lists the components in A1F and relates them to corresponding components in other type I-2A circuits.

Type I-2A designations	Components						
A1F, A2F, A3F.....	C04	CR06	Q06	R16	R17	R18	R20
A1G, A2G, A3G.....	C05	CR11	Q09	R24	R25	R26	R30
A1H, A2H, A3H.....	C06	CR13	Q12	R34	R35	R36	R38
A4F.....	C07	CR10	Q08	R26	R29	R27	R30

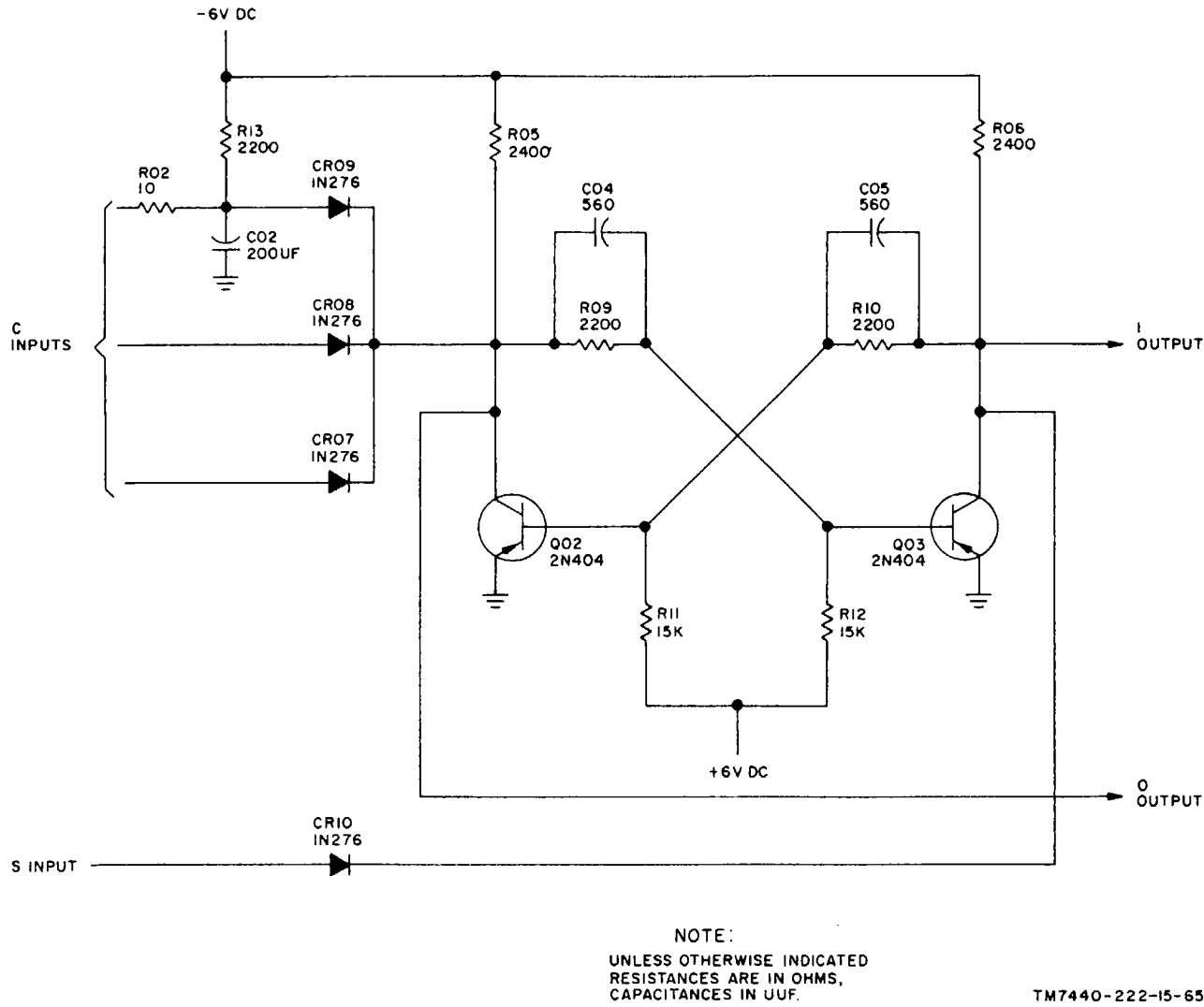


Figure 3-67. Type FF-3 flip-fop, schematic diagram.

l. Type I-1 Inverter (fig. 3-68). When a negative signal appears at the input, bias network resistors R01, R07, and R08 apply a negative voltage to the base of transistor Q01. Thus, Q01 is driven into conduction and the Q01 collector produces a 0-volt level for the output signal. When a 0-volt input appears, diode CR01 passes it into the junction of R01 and R07 to drive the voltage applied to the base of Q01 to a positive level. Therefore, Q01 is cut off and the -18-volt supply is connected to the output through resistor R-2. Figure 3-68 represents the type I-1 circuit designated B1A. The chart below lists the components in B1A and relates them to corresponding components in the type I-1 circuit designated B1D.

Type I-1 designations	Components					
B1A.....	CR01	Q01	R01	R02	R07	R08
B1D.....	CR05	Q06	R12	R13	R18	R19

m. Type I-2A Inverter (fig. 3-69). When a negative signal is present at the input, bias network resistors R16, R17, and R20 apply n negative voltage to the base of transistor Q06. Thus, Q06 is driven into conduction and the Q06 collector produces a 0 volt level for the output signal. When a 0-volt input appears, diode CR06 passes it through crossover capacitor CR04 to cut off Q06. Therefore, the output is a negative voltage developed across resistor R18 and the loading of the next

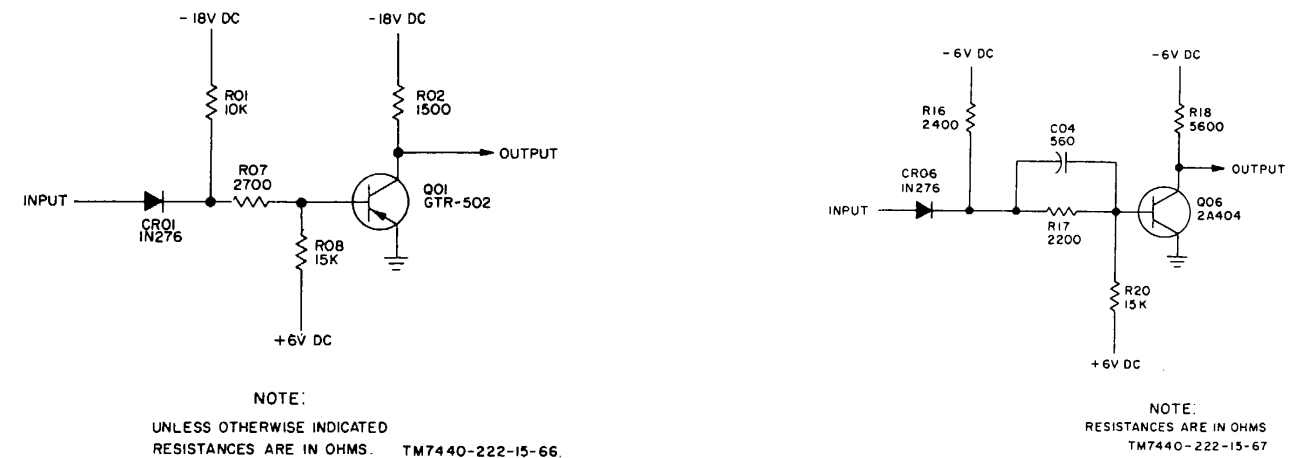


Figure 3-68. Type I-1 inverter, schematic diagram.

Figure 3-69. Type I-2 inverter, schematic diagram.

n. Type I-2B Inverter (fig. 3-70). The type I-2B inverter operates in the same way as the type I-2A inverter described in m, above except that a second output is taken from the input circuit so that complementary outputs are provided. Resistors R12 and R13 and capacitor C04 are added to the input circuit to maintain constant input signals.

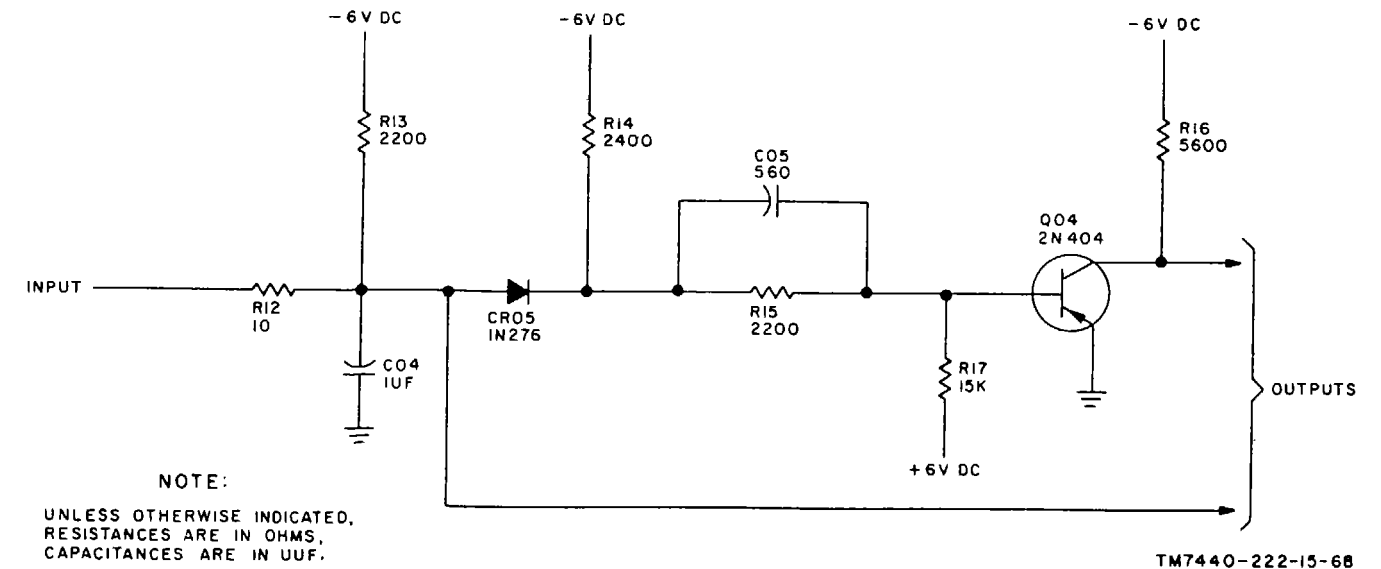
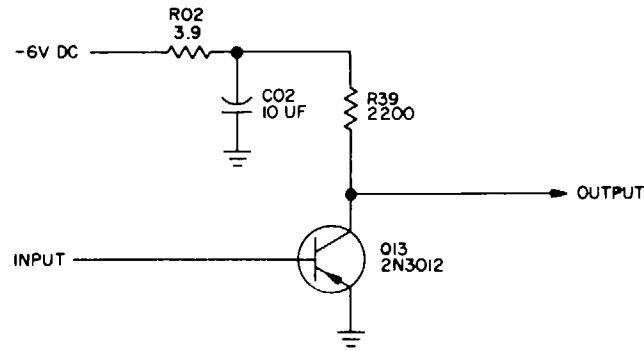


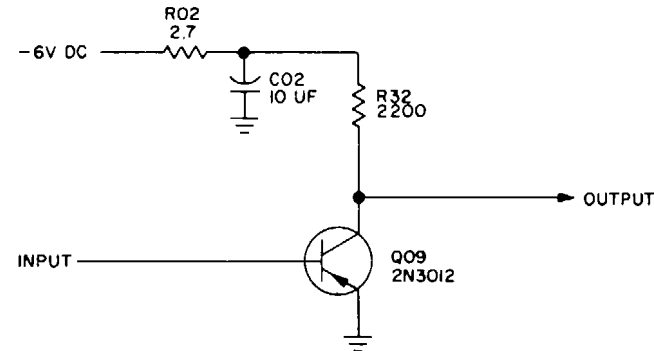
Figure 3-70. Type I-2B inverter, schematic diagram.

o. *Type I-3A Inverter* (fig. 3-71). When a negative voltage appears at the input, transistor Q13 is driven into conduction. The resulting 0-volt level at the collector becomes the output voltage. When a positive voltage appears at the input, Q13 is cut off and the collector becomes negative so that the output voltage is determined by the drop across resistor R39 and the loading of the next logic element.



NOTE:
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Figure 3-71. Type I-3 inverter, schematic diagram.



NOTE:
RESISTANCES ARE IN OHMS.
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Figure 3-72. Type I-3B inverter, schematic diagram.

Capacitor C04 and resistor R02 filter out any sudden variations in the -6-volt supply.

p. *Type I-B Inverter* (fig. 3-72). The type I-3B inverter is identical to the type I-3A inverter discussed in o above, except the value of resistor R02 is 2.7 ohms.

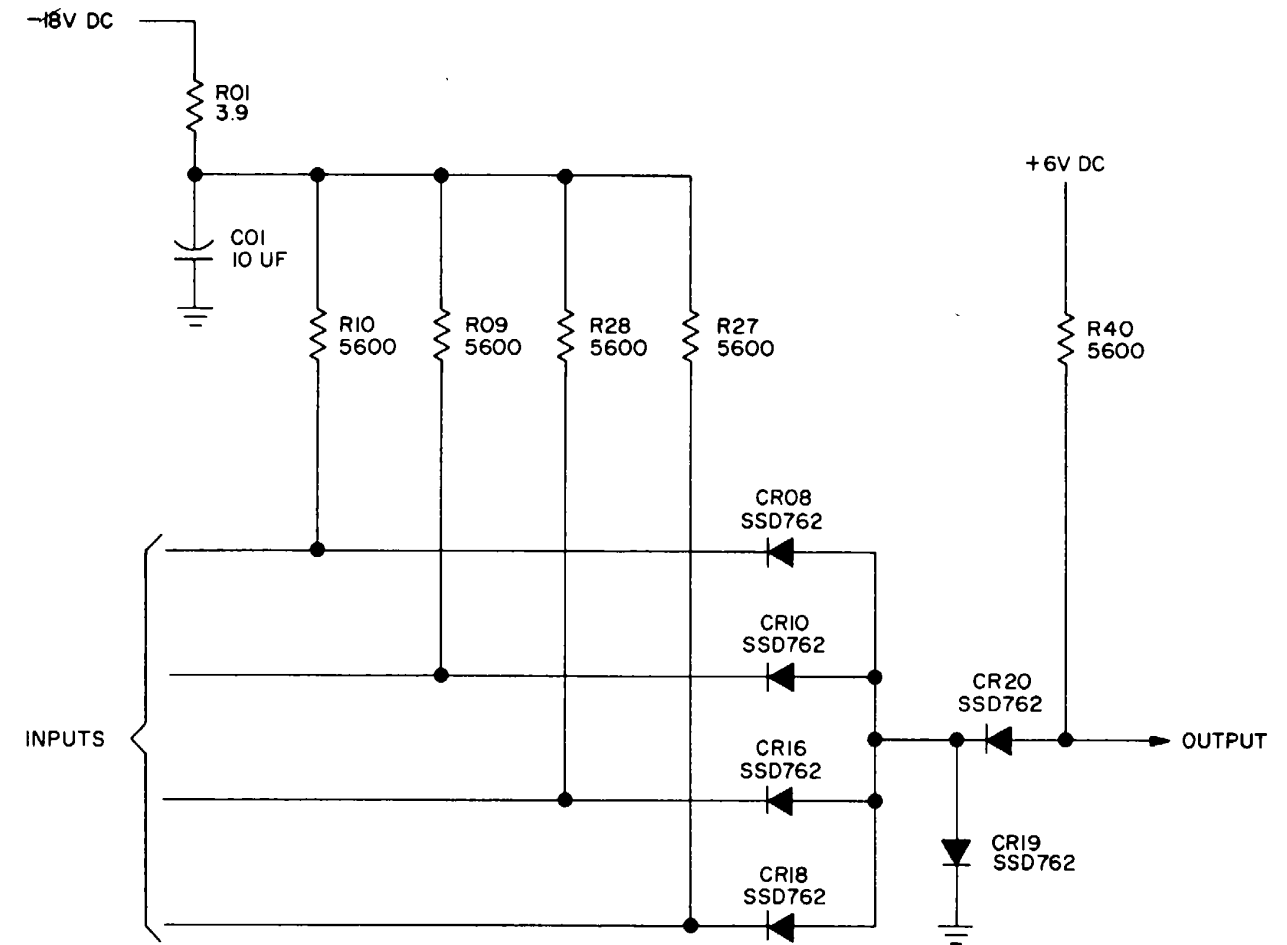
q. *Type 0-1A OR Gate* (fig. 3-73). The type 0-1A OR gate is a conventional 4-input OR gate which produces a negative output when all four inputs are low level.

r. *Type 0-1B OR Gate* (fig. 3-74). The type 0-1B OR gate is a conventional 2-input OR gate.

s. *Type PHOTO AMPL-1A Photocell Amplifier* (fig. 3-75). The type PHOTO AMPL-1A photocell amplifier is controlled by the output of a photocell connected to a 0-volt level (ground). When the photocell is dark it acts as an open circuit. Thus, transistor Q01 is biased on by the -18 volts through resistor R04. The emitter of Q01 produces a negative voltage established across resistors R05 and R19 to drive transistor Q02 into conduction. Therefore, the output voltage taken from the collector of Q02 is 0 volt. When the photocell is lighted, the current flowing through the photocell builds up a -18-volt drop across resistor R04. This results in a 0-volt level at the base of Q01 which drives Q01 into cutoff. The 0-volt level at the emitter of Q01 drives Q02 into cutoff. Thus, the output at the Q02 collector becomes a negative voltage established by R06 and the loading of the next logic element. Capacitor C01 filters out sudden variations in the -18-volt supply. Resistor R01 acts as a damper of the charging and discharging action of C01 to prevent overshoots. Capacitor C02 and R02 perform the same functions in the -6-volt supply.

t. *Type PHOTO AMPL-1B Photocell Amplifier* (fig. 3-76). The type PHOTO AMPL-1B photocell amplifier is identical to the type PHOTO AMPL-1A photocell amplifier described in s above except the value of resistor R05 is 5.6K. Figure 3-76 represents the type PHOTO AMPL-1B circuit designated A1A. The chart below lists the components in A1A and relates them to corresponding components in other type PHOTO AMPL-1B circuits.

Type AMPL-1B designations	Components					
A1A, A2A, A3A.....	Q01	Q02	R03	R04	R05	R11
A1B, A2B, A3B.....	Q04	Q05	R13	R14	R15	R19
A1C, A2C, A3C.....	Q07	Q08	R21	R22	R23	R29
A1D, A2D, A3D.....	Q10	Q11	R31	R32	R33	R37
A4A.....	Q01	Q02	R03	R04	R05	R10
A4B.....	Q06	Q07	R23	R24	R25	R28



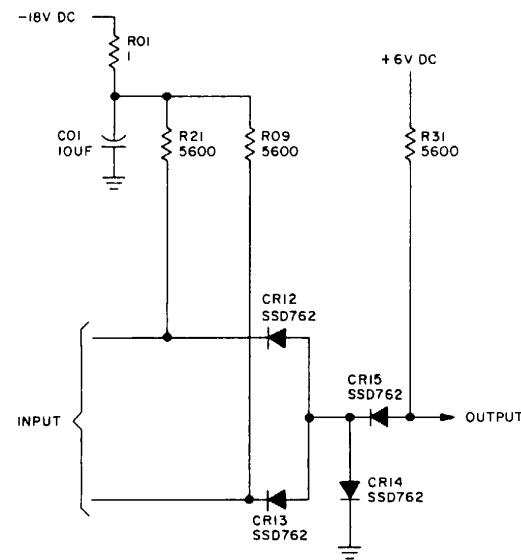
NOTE:
RESISTANCES ARE IN OHMS.

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Figure 3-73. Type 0-1A OR gate, schematic diagram.

u. *Type SOL DR-1 Solenoid Driver* (fig. 3-77). The two diodes CR04 and CR05 provide an AND function for the two inputs to the solenoid driver. When both inputs are low level, the voltage difference across Zener diode CR07 is great enough to drive CR07 into conduction. Thus, bias network resistors R12 and R18 and diode CR07 apply a negative voltage to the base of transistor Q05, causing it to conduct. This connects the -18-supply through transistor Q05 and resistors R18 and R19 to produce a negative signal to drive transistor Q06 into conduction. The solenoid which is connected between the Q06 collector and the -36-volt supply is energized because of the high current path to ground through Q06. When a high level input appears at either diode CR04 or CR05, the junction between diode CR07 and resistor R12 is driven to 0 volt, causing CR07 to stop conducting. Thus, the -6-volt supply is applied to the base of Q05, resulting in Q05 and Q06 being cut off successively to remove the high current path to ground for the solenoid -36-volt supply. Therefore, the solenoid draws no current and is deenergized. Diode CR08 limits the voltage applied to the base of transistor Q06 to 0 volt to protect transistor Q05 when Q05 is cut off. Diode CR09 prevents switching transients. Figure 3-77 represents the type SOL DR-1 circuit designated BOB. The chart below lists the components of BOB and relates them to corresponding components in the other type SOL DR-1 circuit designated BOF.

Type SOL DR-1 designations	Components										
BOB.....	CR04	CR06	CR07	CR08	CR09	Q05	Q06	R12	R13	R18	R19
BOF.....	CR15	CR16	CR17	CR18	CR19	Q10	Q11	R27	R28	R29	R30



NOTE:
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TM7440-222-15-72

Figure 3-74. Type 0-1B OR gate, schematic diagram.

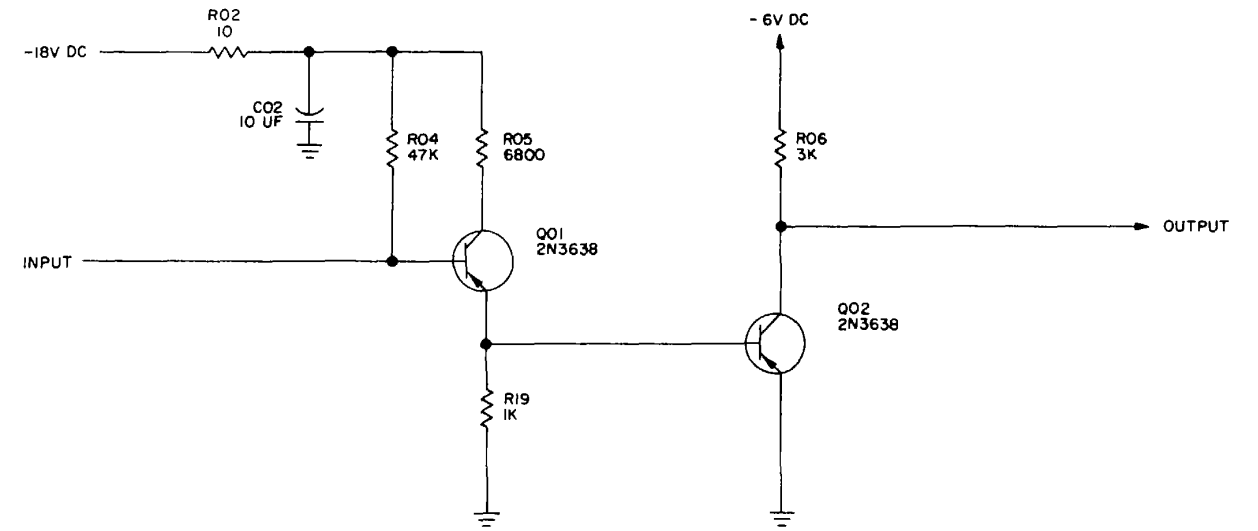
v. Type SOL DR-2 Solenoid Driver (fig. 3-78). When the input is approximately -6 volts, transistor Q05 is driven into conduction. The solenoid which is connected between the Q05 collector and the -36-volt supply is energized because of the high current path to ground through Q05. When the input is +6 volts, transistor Q05 is cut off to remove the high current path to ground for the solenoid -36-volt supply. Therefore, the solenoid draws no current and is deenergized. Diode CR03 limits the voltage applied to the base of transistor Q05 to 0 volt when Q05 is cut off to protect the transistor. Diode CR04 prevents switching transients. Figure 3-78 represents the type SOL DR-2 circuit designated B1C. The chart below lists the components in B1C and relates them to corresponding components in the other two type SOL DR-2 circuits designated B1F and B1H.

Type SOL DR-2 designations	Components designations		
B1C	CR03	CR04	Q05
B1F	CR07	CR08	Q10
B1H	CR15	CR16	Q13

w. Type SS-1 Single Shot (fig. 3-79). A negative step input signal, switching from 0 volt to approximately -18 volts, is applied across inductor L01 which causes the input to appear as a sharp negative pulse to the base of transistor Q03. This cuts off transistors Q02 and Q03, resulting in transistor Q04 being driven into conduction. Transistors Q02, Q03, and Q04 form a single-shot multivibrator which produces a negative 4-millisecond output pulse from the emitter of Q04.

(1) Transistors Q02 and Q03 are normally conducting, since the 0-volt signal through inductor L01 is present at the base of Q03, and approximately -18 volts is present at the base of Q02. The 0-volt level at the collector of Q02 back biases Zener diode CR02, applying the +6-volt supply to the base of transistor Q04 to keep it cut off. Capacitor C02 is essentially discharged at this time. In this condition, the single-shot output is a steady high level signal developed across resistor R11 and the loading of the next logic circuit.

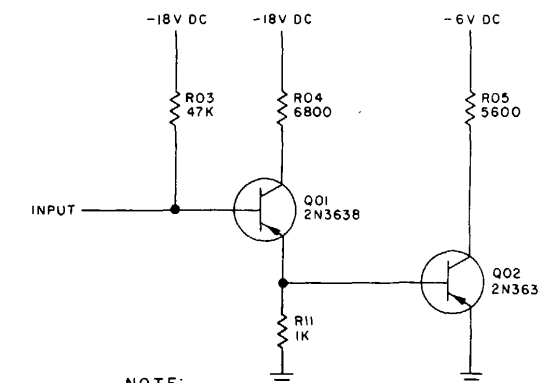
(2) The single shot is triggered when a negative input step occurs. Inductor L01 offers a high impedance to the negative step which results in a sharp negative pulse at the base of transistor Q03; therefore, Q03 and Q02 are cut off. The -18 volt level at the collector of Q02 back biases diode CR02 to the breakdown point, causing the bias network formed by CR02 and resistors R032 and R10 to apply a negative voltage to the base of transistor Q04. When this occurs, Q04 is driven into conduction and supplies a high voltage through capacitor C02 to keep Q02 and Q03 cut off. Capacitor C02 charges through resistors R04 and R05. After 4 milliseconds, the voltage at the base of Q02 is low enough to fire Q02 and Q03 due to the charging of C02. The high level at the collector of Q02 back biases CR02, thereby cutting off Q4 and terminating the output pulse.



NOTE:
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RESISTANCES ARE IN OHMS.

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Figure 3-75. Type PHOTO AMPL-1A photocell amplifier, schematic diagram.



NOTE:
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RESISTANCES ARE IN OHMS.

TM7440-222-15-74

Figure 3-76. Type PHOTO AMP-1B photocell amplifier, schematic diagram.

Capacitor C01 filters out any sudden variations in the -18-volt supply. Figure 3-79 represents the type SS-1 circuit designated B1B.

(3) The chart below lists the components in B1B and relates them to corresponding components in the other type SS1 circuit designated B1E.

x. Type SS-2 Single Shot (fig. 3-80). When all three input signals are low, a negative voltage is applied to the base of transistor Q12. This drives Q12 into conduction, resulting in transistor Q11 being cut off. Transistors Q11 and Q12 form a single-shot multivibrator which produces a 1.5-millisecond output pulse from the emitter of Q12.

(1) Diodes CR09, CR10, and CR11 are arranged to provide an AND function for the three inputs to the single shot. Normally, two of the inputs through resistor R23 and diode CR10 are constant low level signals. The third input through diode CR11 is a negative pulse which gates the AND function. However, when one or more of the inputs are high, a positive voltage develops across forward-biased diodes CR12 and CR13 and resistor R31 to keep transistor Q12 cut off. At the same time, bias network resistors R27, R28, and R32 and diode CR14 apply a negative voltage to the base of transistor Q11 to keep it conducting.

Type SS-1 designations	Components designations												
B1B.....	C02	CR02	L01	Q02	Q03	Q04	R03	R04	R05	R06	R09	R10	R11
B1E.....	C03	CR06	L02	Q07	Q08	Q09	R14	R15	R16	R17	R20	R21	R22

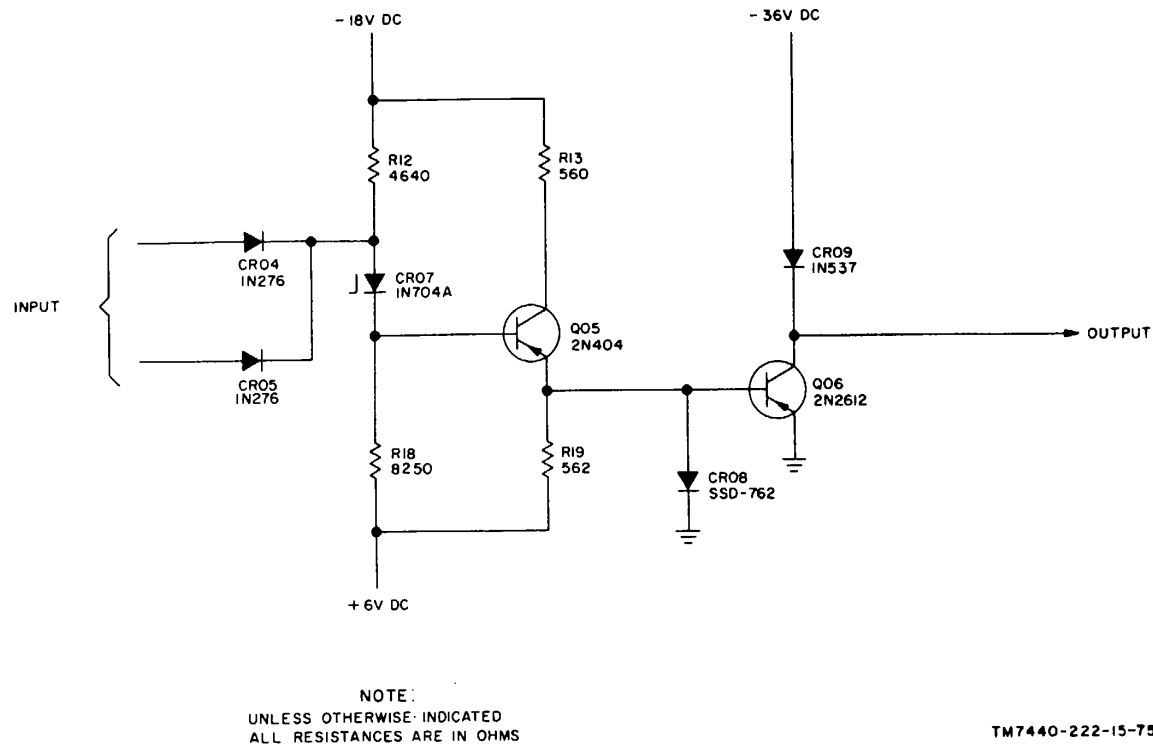


Figure 3-77. Type SOL DR-1 solenoid driver, schematic diagram.

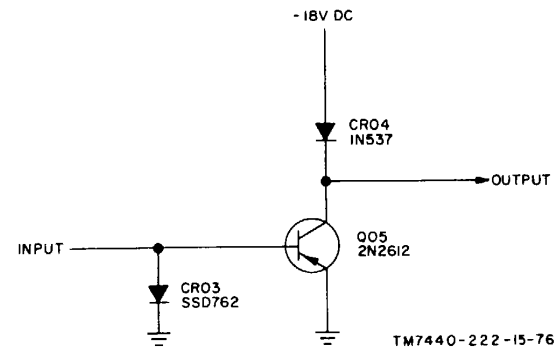


Figure 3-78. Type SOL DR-2 solenoid driver, schematic diagram

Capacitor C05 is essentially discharged at this time. In this condition, the single-shot output is a steady positive signal developed across resistor R33 and the loading of the next logic element.

(2) The single shot is triggered by a negative step input produced by the AND input gate when all three inputs are low. Diode CR12, which is forward biased, passes the resulting negative signal to the base of transistor Q12, driving it into conduction. The collector of Q12 supplies a positive-going voltage through capacitor C05 and diode CR14 to cut off transistor Q11. The resulting low level collector of Q11 permits the network of R26, CR13, and R31 to produce a negative voltage which keeps Q12 conducting. Capacitor C05 charges through resistors R27 and R28. After 1.5 milliseconds, the voltage at the base of Q11 is low enough to fire Q11 due to the charging of C05. The high level at the collector of Q11 then passes through diode CR13 and cuts off Q12, terminating the output pulse.

(3) Capacitor C04 is charged through resistor R25 when the input signal through resistor R24 is low. When a high input appears, C04 discharges through R24, delaying the application of the input signal through diode CR10 to the single shot. This prevents a high input at CR10 from taking precedence over a high input at CR11 when they occur simultaneously.

y. *Type SS-A Single Shot* (fig. 3-81). Normally, transistor Q3 is cutoff by the negative voltage established across bias network resistors R08, R18, and R17. When it 0-volt input appears at diode CR01, the diode is forward-biased and the resulting negative voltage level at the base of transistor Q3 is raised from approximately -4 volts to -2 volts. However, Q03 remains cut off until a positive input pulse is applied across loading resistor R20 while the high level input is present at CR01. When this occurs, the positive step of the pulse is coupled through capacitor C04 to drive Q03 into conduction. This fires the single shot formed by transistors Q03 through Q07 to produce a positive 20-microsecond output pulse from the collector of Q06 and a negative 20-microsecond output pulse from the collector of Q04.

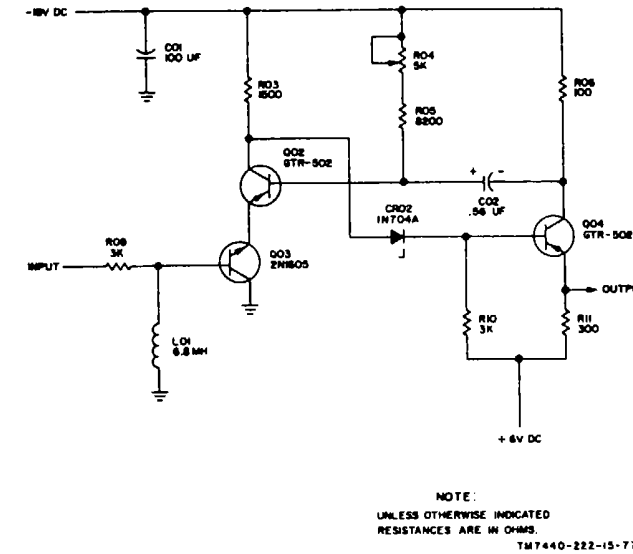


Figure 3-79. Type SS-2 single shot, schematic diagram.

(1) Initially Q03, Q06, and Q07 are cut off and Q04 and Q05 are conducting. The negative voltage developed across bias network resistors R09 and R10 and diodes CR02 and CR03 keeps Q05 conducting. The high level at the collector of Q05 establishes a positive voltage at the base of Q06 to keep Q06 cut off. The low level at the collector of Q06 keeps Q07 cut off and also supplies a low level signal to the 1 output. Timing capacitor C07 is charged at this time. Transistor Q04 is kept conducting by the negative voltage established by bias network resistors R15, R14, and R21. Thus, the 0 output which is taken from the collector of Q04 is a high level.

(2) When the single shot is triggered, Q03 is driven into conduction momentarily to supply a positive voltage to the base of Q05, cutting Q05 off. The low level at the collector of Q05 passes through forward-biased diode CR04 to drive Q06 into conduction. The resulting high level at the collector of Q06 is immediately passed through crossover capacitor C05 to cut off Q04. The low level at the collector of Q04 is supplied back through capacitor C06 to the base of Q06 to reinforce the initial conducting action of Q06. As Q06 conducts and Q04 is cut off the 1 and 0 Q06. As Q06 conducts and Q04 is cut off the 1 and 0 outputs produce high and low level steps, respectively, signifying the beginning of the output pulses.

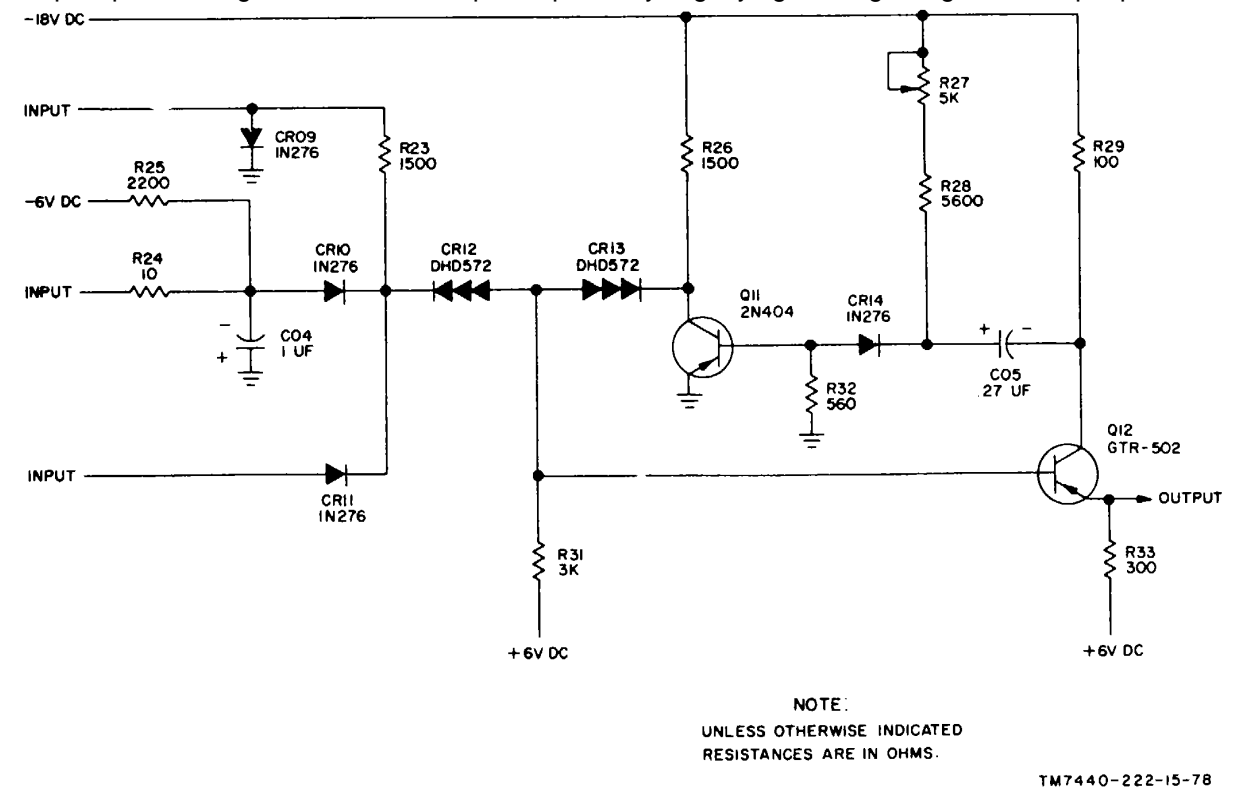


Figure 3-80. Type SS-2 single shot, schematic diagram.

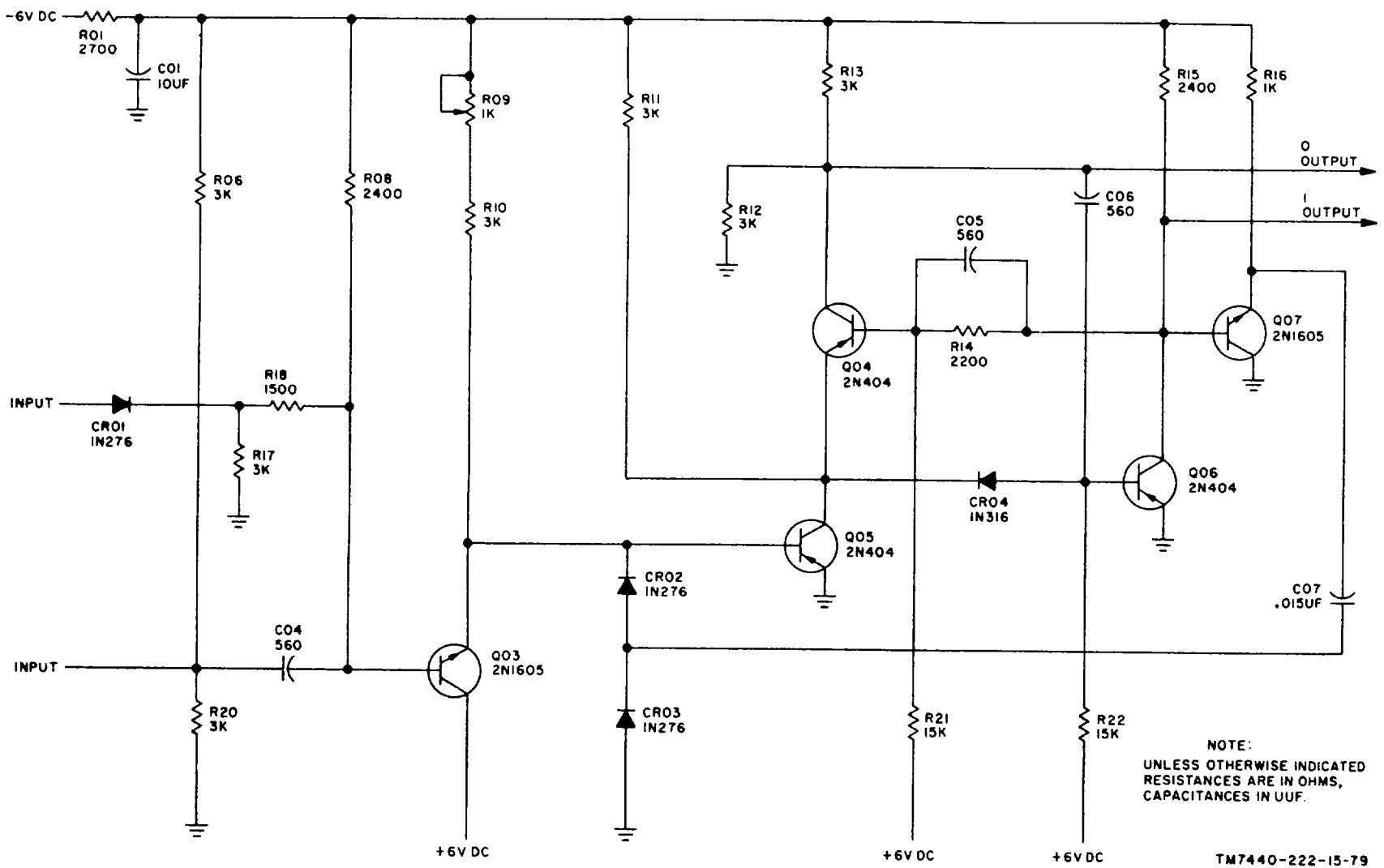


Figure 3-81. Type SS-3A Single shot, schematic diagram.

(3) At the same time, Q07 is driven into conduction by the high level on the collector of Q06, causing a high level to appear at the collector of Q07. The high level is supplied through timing capacitor C07 to keep Q05 cut off as C07 begins discharging through CR02, R10, and R09. After 20 microseconds, the voltage at the junction of R10 and CR02 is sufficiently negative to drive Q05 into conduction. As it result, both Q06 and Q07 are cut off and Q04 is driven into conduction, terminating the output pulses. Capacitor C07 recharges.

(4) Capacitor C01 filters out sudden variations in the -6-volt supply. Resistor R01 acts as a damper of the charging and discharging action of C01 to prevent overshoots.

z. *Type SS-B Single Shot* (fig. 3-82). The type SS-3B single shot operates in the same way as the type SS-3A single shot described in y above, except for a change in the value of the timing capacitor (C11) to achieve a 13-millisecond pulse when the single shot is fired. In addition, only one high level input is required to fire the type SS-3B single shot.

aa. *Type TD-1 Time Delay* (fig. 3-83). When a positive input pulse is received, bias resistors R21 and R22 apply a positive voltage to the base of transistor Q07. This cuts off Q07 and allows timing capacitor C01 to charge through charging resistors R23 and R24. During this period, injection transistor Q08 does not conduct and capacitor C02 is charged through resistor R25. Inverter transistor Q09 is also cutoff by the +6-volt supply connected through resistor R26. The voltage at the base of Q09 is limited by forward-biased diode CR14 to protect the transistor. The output is established by a voltage divider in the next logic element to a potential of approximately -12 volts.

(1) The time delay is triggered when the trailing edge of the input pulse, which is applied across resistors R21 and R22 goes from 0 volt to -6 volts. This drives transistor Q07 into conduction allowing timing capacitor C01 to begin discharging through resistor R24 and transistor Q07. Thus, the voltage at the junction of R24 and C01 rises toward ground. When the voltage at the emitter of injection transistor Q08 becomes sufficiently high, Q08 is fired. The initial surge of current through Q08 is supplied by capacitor C02 which discharges through Q08 and resistor R26 so that transistor Q09 is immediately driven into conduction to provide a 0-volt signal output.

(2) However, if another positive input pulse is received before injection transistor Q08 is driven into conduction, transistor Q07 is cut off and timing capacitor C01 begins charging again (fig. 3-84). Therefore, the time delay does not produce an output pulse until the input pulses are far enough apart, or stop altogether, so that timing capacitor C01 can fully discharge and injection transistor Q08 can fire. When the time delay produces an output, a corresponding positive signal appears at the input to reset the circuit.

(3) When the time delay delivers a 0-volt output, a corresponding positive signal appears at the input to reset the circuit. The positive input cuts off transistor Q07 and allows timing capacitor C01 to charge. At the instant Q07 is cut off, the junction of capacitor C01 and diode CR13 is less negative than the junction of CR13 and R24. Therefore, CR13 is forward-biased and provides a high-current path for rapid charging of C01. When the junction of C01 and CR13 become more negative, CR13 is again back biased, causing C01 to finish charging through resistor R24.

(4) When the voltage at the emitter of injection transistor Q08 starts to go negatives due to the charging of C01, Q08 and Q09 are cut off successively, and capacitor C02 is charged by the - 18-volt supply through resistor R25.

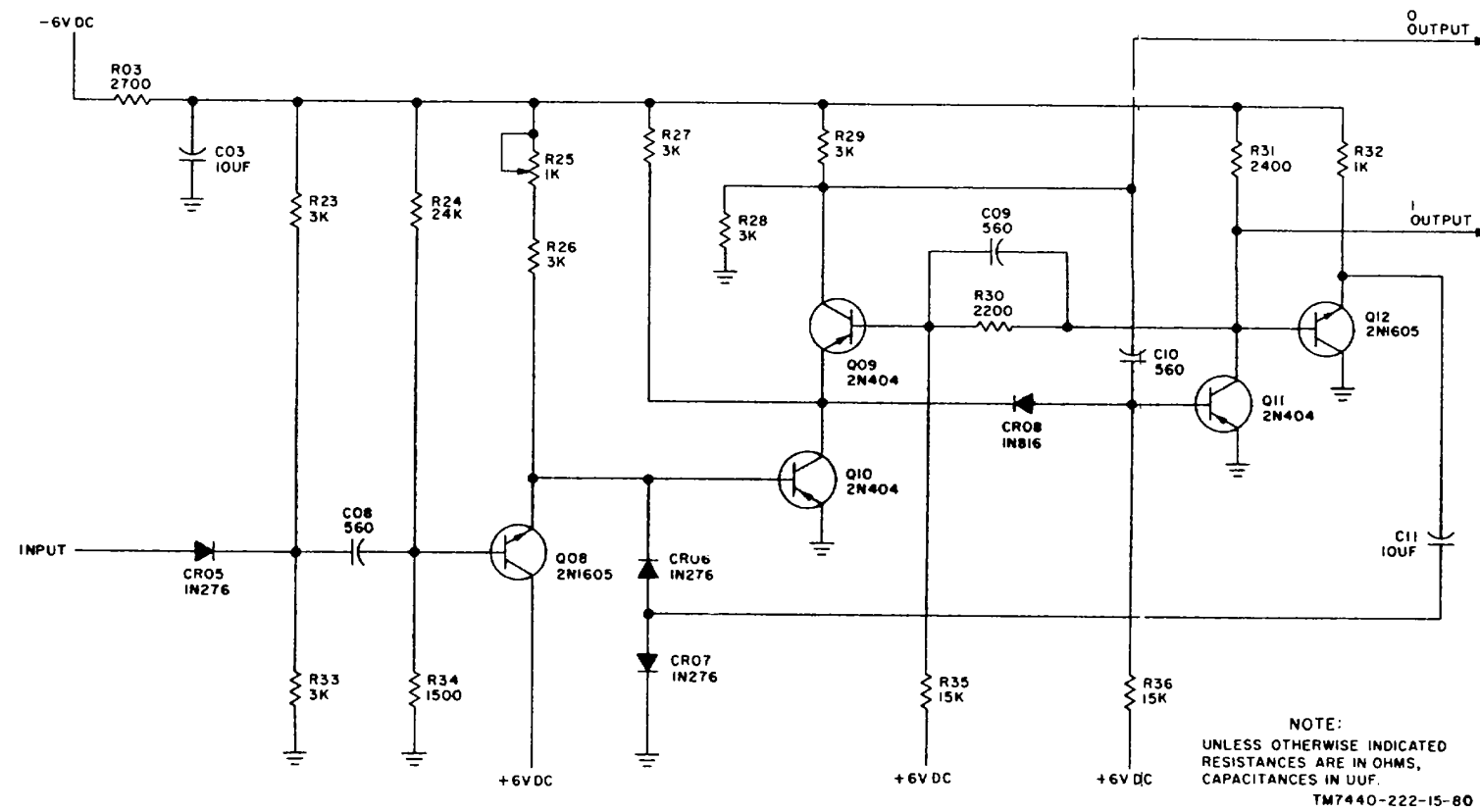
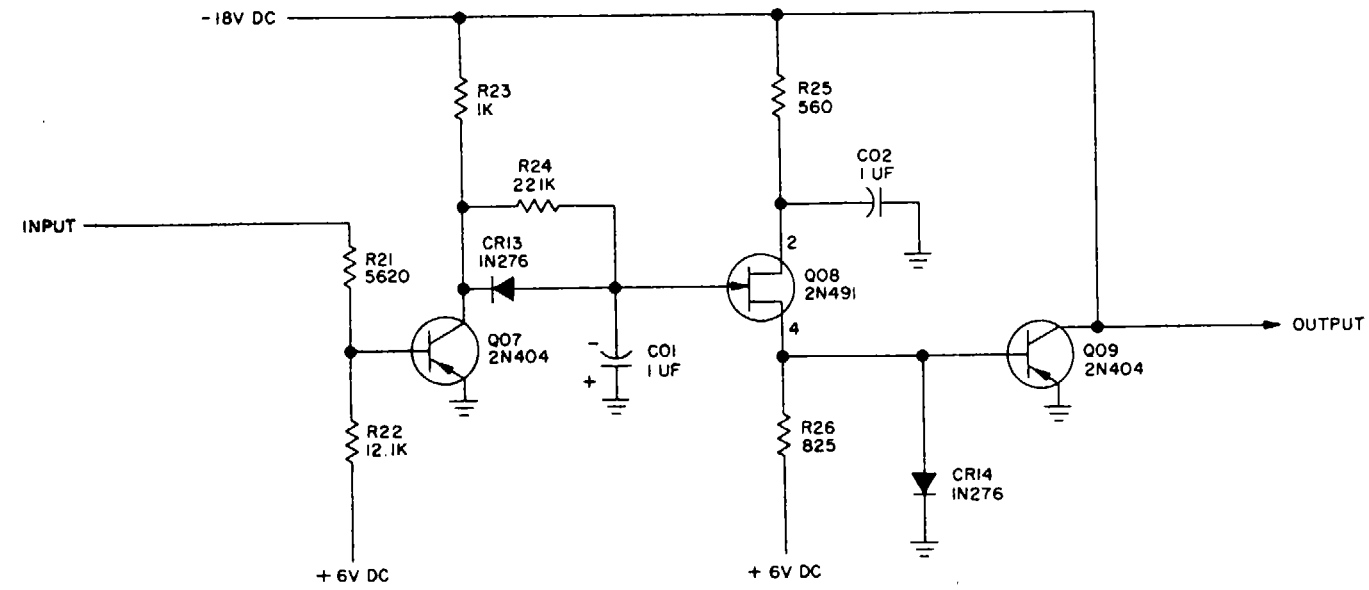


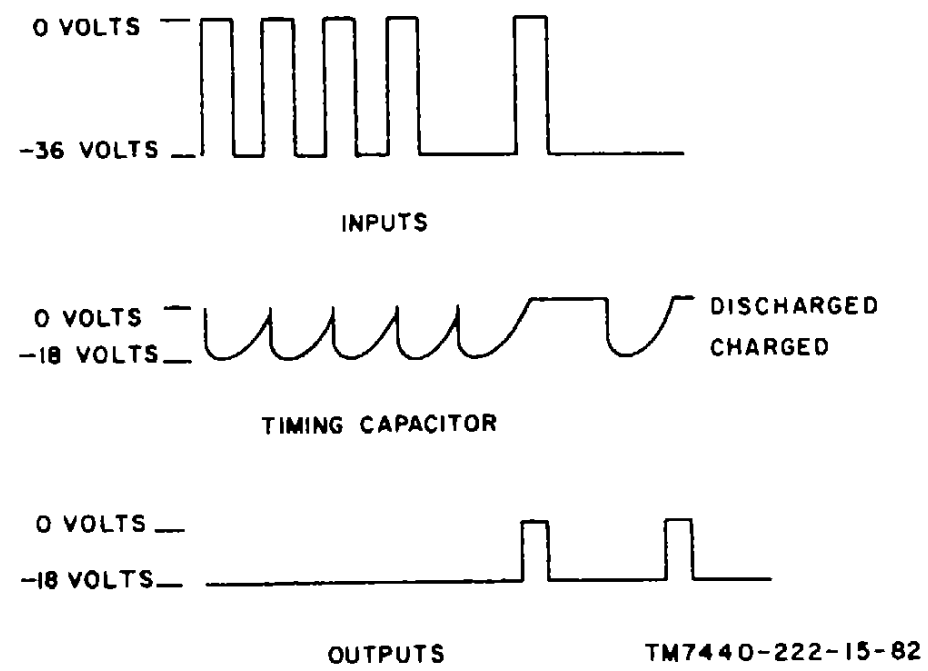
Figure 3-82. Type SS-3B single shot, schematic diagram.



NOTE:
UNLESS OTHERWISE INDICATED
ALL RESISTANCES ARE IN OHMS.

TM7440-222-15-81

Figure 3-83. Type TD-1 time delay, schematic diagram.



TM7440-222-15-82

Figure 3-84. Type TD-1 time delay, signal relationship

**CHAPTER 4
MAINTENANCE INSTRUCTIONS**

Section I. GENERAL

4-1. Scope of Maintenance

a. This chapter includes instructions for performing preventive and corrective maintenance procedures on all major assemblies, subassemblies, and components (except printed circuit cards) of the low speed paper tape punch. Refer to chapter 5 for information on troubleshooting and repair of the printed circuit cards.

b. Maintenance of the low speed paper tape punch includes the following:

- (1) Preventive maintenance (para 4-3 through 4-12).
- (2) Lubrication (para 4-13 through 4-17).
- (3) Troubleshooting (para 4-18 through 4-20).
- (4) Removal and replacement (para 4-21 through 4-101).
- (5) Repair and adjustments (para 4-102 through 4-148).

4-2. Tools, Materials, and Test Equipment Required

a. *Tools and Test Equipment.* Refer to appendix C for a list of the tools and test equipment required for maintenance of the low speed paper tape punch.

b. *Additional Maintenance Materials.* The following maintenance materials are required in addition to the maintenance materials furnished as part of the tool kits listed in appendix C:

- (1) Adhesive, two-part, epoxy base, NSN 8040-00-753-4800 (3/4-oz tube).
- (2) Adhesive, General Electric RTV-108, NSN 8040-00-924-8827 (2-oz tube).
- (3) Adhesive, Dow Corning RTV-891, NSN 8040-00-914-7013 (2-oz tube).
- (4) Silicone compound, DC-4, NSN 6850-00-880-7616 (8-oz tube) (alt to RTV-891).
- (5) Primer, sealing compound, Locquic Grade Q, NSN 8030-00-980-3976 (6-oz spray can).
- (6) Sealing compound, retaining, Loctite Grade A, red, NSN 8030-00-081-2339 (10 cc plastic bottle).
- (7) Sealing compound, retaining, Loctite Grade E, purple, NSN 8030-00-081-2328 (50 cc plastic bottle).
- (8) Trichloroethane, FED SPEC 0-T-620, Type 1, NSN 6810-00-292-9625 (qt), or NSN 6810-00-664-0387 (gal).
- (9) Trichlorotrifluoroethane (Freon TF), MIL-C-81302B, Type.II, NSN 6850-00-033-8851 (5 gal), or NSN 6850-00-984-5853 (5 gal), Type I.
- (10) Fine sandpaper (0000), NSN 5350-00-264-3485.
- (11) Primer, zinc chromate, FED SPEC TT-P664, NSN 8010-00-936-3372 (1-pt press. can).
- (12) Lacquer, semigloss, blue (No. 25184 per FED STD 595), NSN 8010-00-721-9753 (1-pt press. can).
- (13) Enamel, semigloss, gray (No. 26492 per FED STD 595), NSN 8010-00-087-0109 (1-qt. can).
- (14) Enamel, semigloss, black (No. 27038 per FED STD 595), NSN 8010-00-844-4792 (1-qt. can).
- (15) Antiseize compound (MIL symbol A-907c), NSN 8030-00-292-1102 (8-oz. tube).
- (16) Compound, silicone, heat sink, DC-340, NSN 6850-00-181-6995 (2-oz. tube), or NSN 6850 00-927-9461 (5-oz. tube).
- (17) Varnish, electrical, staking, Glyptol ZV-903 or 1153, NSN 5970-00-162-7523 (1-pt. can).
- (18) Insulating varnish, electrical, clear, moisture and fungus resistant, NSN 5970-00-647-3676 (1-pt. can) or equivalent.
- (19) Coater, filter, NSN 4130-00-860-0042 (1-pt. spray can).
- (20) Detergent, cleaning.
- (21) Lubricants listed in paragraph 4-13.

Section II. PREVENTIVE MAINTENANCE

43. Scope of Preventive Maintenance

a. Preventive maintenance is the systematic care, inspection, lubrication, and servicing of the low speed paper tape punch to maintain it in serviceable condition, prevent breakdowns, and assure maximum operational capability. Preventive maintenance includes the inspection, testing, and replacement of parts, subassemblies, or units that inspection and tests indicate would probably fail before the next scheduled periodic service.

b. The preventive maintenance checks and services charts (para 4-4 through 4-8) outline functions necessary to maintain the low speed paper tape punch in good operating condition. The charts indicate what to check, how to check, and the normal conditions; the References column lists the illustrations, paragraphs, or manuals that contain detailed maintenance procedures.

c. Weekly and monthly preventive maintenance periods are specified as follows: A week and a month are defined as approximately 7 and 30 calendar days of 8 hours a day operation, respectively. If the low speed paper tape punch is operated 16 hours a day, the weekly and monthly preventive maintenance checks and services should be performed at 4-day

and 15-day intervals respectively. Adjustment of the preventive maintenance interval should be made to compensate for any unusual operating conditions.

d. Special cleaning procedures and inspection procedures required for maintenance on the low speed paper tape punch are described in paragraphs 4-9 through 4-12.

e. If the low speed paper tape pouch is in a standby (ready for immediate operation) status, the preventive maintenance checks and services listed in paragraph 44 must be performed weekly.

f. Records and reports of the preventive maintenance check and services must be made in accordance with the requirements of the documents specified in paragraph 1-3d.

4-4. Daily Preventive Maintenance Checks and Services Chart

Sequence No.	Item	Procedure	References
1	Exterior surface of perforator mechanism and printer interpreter mechanism	Check for cleanliness. Clean, if required	(Para 4-9.)
2	Chad container	Empty chad container (or damage may occur)	
3	Tape tracks, die block and capstan	Clean as described in paragraph 4-10	(Para 4-10.)
4	Paper tape	Check tape for proper registration	(Para 4-99.)
5	Paper tape supply	Inspect for sufficient quantity of installed and reserved supply. If installed supply is low, install new roll.	(Para 2-4.)
6	Knobs, dials, and switches	During operation, check the mechanical action of each knob, dial, and switch for smooth and free operation without binding.	(Para 2-1.)
7	Switches, lamps, perforator mechanism and printer interpreter mechanism.	During operation with CCU and control-keyboard, check switches and lamps for proper operation. Check for correct tape punching and printing operation	(Para 2-1.)
8	Paper tape punching and printing	a. Check for proper spacing tape tearing, double punching, and bit deletion. b. Check for proper hammer printing and inking ribbon reception.	(Para 2-6.) (Para 2-6, fig. 4-85.)
9	Inking ribbon	Observe inking ribbon reception a. If printed characters are not dark enough, replace ribbon. b. During reception, ribbon should feed from one spool to other spool. Direction of ribbon feed should reverse when ribbon is almost wound on one spool.	(Para 2-6.) (Para 4-82.) (Fig. 4-41.)

4-5. Weekly or 50 Hours Preventive Maintenance Checks and Services Chart

Sequence No.	Item	Procedure	References
1	Interior surfaces of perforator mechanism printer interpreter mechanism, punch control panel, logic assembly, take-up reel B2, punch power supply PSI, printer interpreter power supply PS2, and cabinet.	See that all interior surfaces and mechanical assemblies are free of dirt, dust, oil, grease, moisture, corrosion, rust, and chad. Clean, if required.	(Para 4-9.)
2	Internal wiring	-Inspect all internal wiring and cables for broken, cracked or defective insulation, deposits of oil, grease, dust, dirt, or chad. Clean, if required.	(Para 4-9.)
3	Plugs and receptacles	Inspect all internal plugs and receptacles for breakage, firm seating, loose screws or nuts, corrosion, and grease or oil deposits. Clean, if required. CAUTION Never turn perforator drive motor rearward. Turning it rearward can cause damage or maladjustment to the capstan drive mechanism.	Para 4-9.

Sequence No.	Item	Procedure	References
4	Perforator drive motor, printer interpreter drive motor, and blower motor.	Inspect for signs of overheating (discoloration or smell of burned insulation) and excessive end play when turned manually.	Figs. 4-31, 4-34, and 4-40.
5	Power supplies. PS1 and PS2, and filter box assembly FL1.	Inspect for signs of overheating (discoloration or smell of burned insulation) or defective components.	Figs. 4-17, 4-18, and 4-20.
6	Air filter	Replace air filter on blower Bi.	para 4-14 and 4-17.
7	Perforator oil can	Check cooling oil for proper level	Para 4-61
8	Drive belts	Inspect perforator drive belt and printer interpreter drive belt for wear and tension requirement.	Replace, and
4-76.		if required.	
9	Code disk	Check for cleanliness, scratches, cracks, and bends. Clean, if required.	Para 4-10.
10	Pulse generator lamp sensor assembly	Check for cleanliness. Clean, if required, using a lint free cloth. Replace, if defective.	Para 4-83 and 4-84.
11	Tape reader lamp sensor and infrared filter.	Check for cleanliness. Clean, if required, using a lint free cloth.	Para 4-90 and 4-91 and fig.
12	Tape reader microswitch	Check for cleanliness. Clean, if required. Check the reader microswitch adjustment requirement.	Para 4-136.
13	Print roll segment and print ribbon guides.	Check for cleanliness. Clean, if required	Para 4-10 and 4-81.
14	Low speed paper tape punch operation-	Perform a complete check of all operational features	Para 4-4, items 7 through 9.

4-6, Monthly or 200 Hours Preventive Maintenance Checks and Services Chart

Sequence No.	Item	Procedure	References
1	Completeness	See that equipment is complete	Para 1-4 through 1-7.
2	Preservation	Check all surfaces for evidence of fungus. Remove rust and corrosion, and spot-paint bare spots.	Para 4-9.
3	Fuses	Check spare fuses for proper value and quantity Fig. 2-4, app. B.	
4	Tape reader sensor lamps and pulse generator sensor lamps.	See that all sensor lamps are operational. Check voltage setting of tape reader sensor lamps.	Para 4-84, 4-90, and 4-143.
5	Subassembly mountings	See that all mounting bolts, nuts, and washers are None. correctly positioned and properly tightened. Check for cracked, bent, or broken brackets.	
6	Clamp assemblies	-See that the tape reader clamp assembly and hammer module clamp assembly are correctly positioned and secured properly to the panel.	Fig. 4-36.
7	Connections	Check to make sure that all plugs and receptacles are clean, intact, and not loosefitting.	None.
8	Logic and sensor PC cards	Check to make sure that- a. All logic PC cards inserted securely	Para 4-35, 4-37, and 439.
		b. Tape reader and pulse generator sensor PC cards are properly installed and connected.	Para 4-51 and 4-83.
9	Pulleys	Check to make sure that- a. All pulleys are properly positioned and secured on shafts. b. Check alignment requirement of printer interpreter pulleys.	Para 4-128.
10	Perforator punch mechanism and capstan drive mechanism.	a. Check for cleanliness. Clean, if required b. Inspect parts for wear and damage. Perform static and dynamic inspection procedures (para 4-11). c. Perform lubrication as required	Para 4-9. Para 4-11. Para 4-14.
11	Perforator oil care	Check for dirty oil. Change oil if required	Para 4-17.

Sequence No.	Item	Procedure	References
12	Printer interpreter tape drive mechanism.	a. Check for cleanliness. Clean if required b. Inspect parts for wear and damage. Perform static and dynamic inspection procedures (para 4-12). c. Perform lubrication as required	Para 4-9. Para 4-12. Para 4-14.
13	Hammer module assembly	a. Check for cleanliness. Clean if required b. Inspect parts for wear and damage c. Check operation of solenoid-	Para 4-9.

14	Ribbon/print wheel assembly	d. Check printing on tape for evidence of proper hammer module flight time and fine penetration requirement. a. Check operation of ribbon spools and spool retainer b. Check pulse generator phasing requirement c. Check print roll segment alignment d. Perform lubrication, as required	Para 4-137 4-138. Para 4-82. Para 4-122. Para 481. Par4-14.
15	Blower assembly (Bi)	a. Inspect for dirt. Disassemble and clean if dirty - b. Check for operation when ac power is on. If inoperative, troubleshoot and repair or replace as required.	Para 4-9. Para 4-19.
16	Blower assembly (B3)	a. Inspect for dirt. If dirty, clean with vacuum b. Check for operation when ac power is on. If inoperative, troubleshoot and repair or replace as required.	Para 4-9. Para 419.

4-7. Semiannual or 1200 Hours Preventive Maintenance Checks and Services Chart

Sequence No.	Item	Procedure	References
1	Perforator clutch banks assemblies and and capstan drive mechanism assembly.	Inspect for excessive wear; repair or replace as necessary	Para 4-57
2	Printer interpreter tape drive mechanism assembly.	Inspect for excessive wear; repair or replace as necessary	Para 488.
3	AI rollers over which paper tape passes	Inspect for excessive wear; replace as necessary	
4	Check motor stop control clock pulse-	Use oscilloscope to measure pulse duration	Para 4-144.

4-8. Two-Year Preventive Maintenance and Services

At 2-year intervals, remove the printer interpreter hammer module and inspect it for excessive wear. Repair or replace a worn module (para 4-94) as necessary.

4-9. Cleaning and Touchup

a. *External Cleaning.* Use a vacuum cleaner, dry brush, or a clean lint free cloth to clean the low speed paper tape punch externally.

b. *Internal Cleaning.* Use a vacuum cleaner, dry brush, or a clean lint free cloth to clean the low speed paper tape punch internally.

WARNING

Prolonged breathing of trichloroethane (c and d below) is dangerous. Provide adequate ventilation. Trichloroethane is not flammable but DO NOT USE NEAR AN OPEN FLAME. Exposure of fumes to an open flame or hot metal surface forms highly toxic phosgene gas.

c. *Trichloroethane.* Use a cloth slightly moistened with trichloroethane to clean hard-to-remove dirt and oil or grease deposits; wipe the trichloroethane | from the surfaces with a clean, dry cloth.

d. *Electrical Contacts.* Use a flushing action to clean electrical contacts. Dip an orangestick in trichloroethane and allow the liquid to drip from | the stick through the contacts to a piece of cloth below. Remove the trichloroethane carefully with | with a clean, dry cloth.

e. *Touchup Painting Instructions* Remove rust and corrosion from metal by lightly sanding the surface with 0000 sandpaper. Brush two coats of paint on bare metal to protect it from further corrosion.

CAUTION

Do not apply paint to the metal surface directly under a ground terminal; a clean, bare metal surface is required for a good electrical ground lead connection.

4-10. Cleaning Procedures for Die Block, Tape Tracks, Capstan, Code Disk, Print Roll, and Ribbon Guide

- a. *Die Block, Tape Tracks, and Capstan Cleaning Procedure.* (AC POWER switch at OFF)
 - (1) When the die block becomes clogged with chad or bits of tape, pass a 0.005-inch shim through the tape track, from right to left. If it is clogged too tightly, it may be necessary to remove the die block (para 4-56).
 - (2) Use lint free cloth or a brush to clean the tape tracks and capstan.
 - (3) If the tape chute is clogged, carefully slide the chad chute (67, fig. 4-21) off, clear the Chad from chute, and reinstall the chute.
- b. *Code Disk Cleaning Procedure.*
 - (1) Remove the code disk (para 4-75).

CAUTION

When handling the code disk, care should be exercised to avoid scratching the emulsion side of the disk.

- (2) Inspect the code disk for scratches, cracks, and bends. Replace the code disk, if defective.
 - (3) If not defective, use a clean lint free cloth to lightly clean the surfaces of the code disk.
 - (4) Install the code disk on the print drive shaft (para 4-75).
- c. *Print Roll and Ribbon Guide Cleaning Procedure.*
 - (1) At each ribbon change, remove any accumulated ribbon residue from the print roll area by using a blast of air (if an air supply is available) or by passing a doubled piece of paper tape between the print roll and the housing.
 - (2) Remove the print roll segment (para 4-81).
 - (3) Use a toothbrush-type cleaning brush and typewriter cleaning compound to scrub the print roll segment thoroughly. Make sure that all characters are clean; wipe with a clean, dry, lint free cloth.
 - (4) Use a cloth moistened with trichloroethane to thoroughly clean the ribbon guide posts; wipe with a clean, dry cloth.
 - (5) Replace the print roll segment (para 4-81).
 - d. *Tape reader block cleaning procedure.*
 - (1) Remove the tape reader assembly (para 4-92).
 - (2) If an air supply is available, clean the tape reader block area using an air hose.
 - (3) If an air supply is not available, clean the tape reader block area by using a doubled piece of paper tape as follows: Each time a new roll of paper tape is used, insert the doubled piece of paper tape into the slot in the tape reader block and move it back and forth.
 - (4) After 75 to 100 rolls of paper tape have gone through the printer interpreter, remove the tape reader block (para 4-93) and clean the filter and diode board surfaces with "Windex" or a similar type glass cleaner. Do not use abrasive materials.
 - (5) Replace the tape reader block (para 4-93) and the tape reader assembly (para 4-92).

4-11. Perforator Inspection

Perform the following detailed inspection procedure monthly for the capstan drive mechanism:

- a. *Static Inspection (Not Running).*
 - (1) Inspect the capstan drive mechanism for excessively worn or damaged parts. Check for lug belt wear and alignment, and for excessive shaft play.
 - (2) Check both escapement assemblies for antiresidual shim wear, armature tip wear, clutch tooth wear, cleanliness, and clearance requirements (para 4-110, 4-111, 4-112, and 4-115).
 - (3) Perform lubrication, as required, (250- to 500-hour intervals) (para 4-14).

CAUTION

Exercise extreme caution when servicing the magnetic actuator of both escapement assemblies to avoid overstressing the spring.

- (5) Check the capstan position requirement (para 4-101).
- b. *Dynamic Inspection (Running).*
 - (1) Observe armature tip-to-clutch tooth operation in the capstan drive mechanism. Check to see that each tip contacts the clutch teeth squarely, with no more than 0.015-inch (0.38-mm) overhang.
 - (2) Observe the action of the tight tape arm for proper spring tension and smooth operation.
 - (3) Check punch operation for clean holes and proper spacing. Check for tape tearing, double punching, and bit deletion. Observe the data drive pulses for data bits 1-4 on PC Card A4A1 and for data bits 5-8 on PC Card A4A2 on the oscilloscope (fig. 8-39 and 8-40).

4-12. Printer Interpreter Tape Drive Mechanism Inspection

Perform the following detailed inspection procedure monthly for the tape drive mechanism:

- a. *Static Inspection (Not Running).*
 - (1) Inspect the mechanism for worn or damaged parts. Check for excessive end play.
 - (2) Check both escapement assemblies for tian-residual shim wear, armature tip wear, clutch tooth wear, cleanliness, and clearance requirements (para 4-129 through 4-131).
 - (3) Check the wavy-type washers for proper spring action.
 - (4) Perform lubrication as required (250- to 500-hour intervals) (para 4-14).

CAUTION

Exercise extreme caution when servicing the magnetic actuator of both escapement assemblies to avoid overstressing the spring.

- (5) Check the capstan position requirement (para 4-126).
- b. *Dynamic Inspection (Running).*
 - (1) Observe armature tip-to-clutch tooth operation in the tape drive mechanism. Watch for erratic behavior.
 - (2) Observe drive pulse on the oscilloscope. Check for proper amplitude and duration (pulse width).
 - (3) Check the lateral position of character on tape requirement (para 4-127 and 4-135).

4-13. Recommended Lubricants

The following lubricants listed in the chart below are recommended for use with the low speed paper tape punch:

Lubricant	Identification data
Oil, Tally mechanism	Tally Corporation No. 311270 (32-oz container).
Oil, silicone fluid, 350 cs	MIL-S2156S (Dow Corning No. 200 or equivalent).
Oil, machine	Bardahi BOA-30, or equivalent.
Grease, lubricant, extreme pressure.	Chicago Mfg. and Distributing Co. Lube No. 3.
Grease, lubriplate	Fiske Bros. Refining Co. No. 630-AA.
Oil, nondetergent	SAE-20 or equivalent.
Grease, light silicone	Dow Corning Number 44 or equal.

4-14 Lubrication Schedules

The following charts (a and b below) lists the items to be lubricated, the required lubricant, and the recommended interval in hours for performing the lubrication of the components of the low speed paper tape punch. Lubricate only those components that require lubrication. Do not overlubricate.

a. *Lubrication Schedule, Perforator Mechanism.*

Item	Lubricant	Interval
Perforator oil can	Tally mechanism oil, No. 311270.	Check oil level and color weekly; Change oil every 250 hours
Escapement armature felt pads, all bearings -on shafts & idler gears & thrust washer on bearing tube housing	CAUTION Latch and clutch performance is extremely sensitive to changes in character of the lubricant. Substitution of any other lubricant may result in impaired performance. Bardahi, BOA-30, or equivalent.	Hours of operation or as soon as it begins to be come dirty (color darkens).
Escapement armature tip.	Dow Corning 200 or eq.	Ditto
Motor	Sae #20 or eq	Ditto

b. *Lubrication Schedule, Printer Interpreter.*

Item	Lubricant	Interval
All sleeve bearings & bushings.	Bardahl, BOA-30, or equivalent.	Every 250 hrs of opn and during reassembly.
Escapement armature tips.	Dow Corning #44 or eq.	Ditto
Escapement armature felt pads.	Bardahl, BOA-30, or equivalent.	Every 250 hrs of open and during reassembly.
Cam surfaces of lifting lever.	Grease, lubricant, extreme pres-sure (Chicago Mfg & Distributing Co. Lube No. 3).	During reassembly only.
Phasing adjustment bracket.	Grease, lubriplate (Fiske Bros, Refining Co. No. 630-AA).	During reassembly only.
Spool retainer posts	Grease, lubricant, extreme pres-sure (Chicago Mfg & Distributing Co. Lube No. 3).	During reassembly. only
Hammer module adjusting cam.	Grease, lubriplate (Fiske Bros. Refining Co. No. 630-AA).	During reassembly only.

4-15. Preparation for Lubrication

a. *Perforator Mechanism.* Remove the chad box (40, fig. 4-21, part 1) to obtain access to the oil can of the punch assembly.

b. *Printer Interpreter*

(1) *Tape drive mechanism.* Remove the tape drive mechanism from the panel assembly as described in paragraph 4-87.

(2) *Ribbon/print wheel mechanism.* Remove the code disk (para 4-75) to permit lubrication of the rear bushing on the intermediate shaft. The bushing is accessible through the hole in the phasing adjustment bracket.

(3) *Hammer module clamp assembly.* Remove the hammer module assembly and the clamp assembly as described in paragraph 4-94 to permit lubrication of the penetration adjusting cam on the eccentric screw.

4-16. Methods of Applying Lubricants

a. *Grease.* Hold the grease gun so that the nozzle forms a 450 angle with the surface to be lubricated. Operate the handle of the grease gun until sufficient grease is ejected. Use an appropriate tool to spread the grease as required.

b. *Oil.* Use a piece of wire, approximately .030inch in diameter, to apply oil to those parts that require only 1 or 2 drops of oil. Dip the wire approximately 3/4 inch into the oil to collect a small amount on the end of the wire, then touch the wire to the lubrication point. This method permits close control over the amount of oil applied and prevents over lubrication.

CAUTION

After lubrication, always wipe away all excess lubricant. The presence of excess lubricant is a common cause of damage to wire insulation and other nonmetallic parts.

4-17. Detailed Lubrication Instructions (figs. 4-1 through 4-8)

The points to be lubricated and the quantity of lubricant to be applied are listed in paragraph a through d below. The charts are arranged according to the type of part to be lubricated so that the components of the low speed paper tape punch can be lubricated in a systematic manner. The item numbers listed in the charts correspond to the item number on the figure being referenced.

NOTE

All other parts are either prelubricated or sealed, or require no lubrication.

a. *Lubrication of Punch Assembly* (fig. 4-1). The low speed perforator drive gearing and escapement mechanisms are inclosed in a rectangular oil can. A supply of oil in the can is distributed as a mist, generated by a splash gear partially submerged in the oil can. Check the oil level in the mechanism weekly. With the motor turned off, keep the oil level centered in the gage at the front of the oil can. To change the oil, proceed as follows.

- (1) Obtain a suitable container in which to drain the oil.
- (2) Remove the drain plug (fig. 4-1) from the bottom of the perforator oil can and thoroughly drain the oil into the container.
- (3) Remove the filler plug. (fig. 4-1) and clean both the filler plug and drain plug with solvent Freon TF.
- (4) Replace the drain plug. fill the oil can to its proper level with solvent Freon TF and replace the filler plug.
- (5) Apply ac power to the tape punch unit.

CAUTION

Do not local test or allow the punch pins to operate for any reason during this flushing procedure, nor run the motor for more than 5 minutes with the flushing agent in the reservoir are a. Failure to observe this caution can cause damage to the clutch banks or the punch pins.

(6) With the ac power on, move the A4 assembly back and forth on its slides in a vigorous motion to insure that the flushing agent thoroughly saturates the internal mechanism and loosens dirt particles.

(7) Repeat steps (3) through (6) above until the Freon solvent drained from the oil can is clear and without residue.

(8) After the Freon solvent is completely drained, fill the oil can to the center line of the oil gage with Tally Mechanism Oil No. 311270. Replace the filler plug, and with ac power on, again move the A4 assembly back and forth on its slides in a vigorous motion for 5 minutes to saturate the internal mechanism with oil. This Will restore the lubrication film on the clutch bank assemblies required for proper operation.

CAUTION

Do not attempt to power up the tape punch without re-adding the required oil to the reservoir area and running the machine for a 5 minute period following the flushing procedur e. Failure to observe this caution can cause damage to the clutch bank assemblies.

(9) Turn power off, and after one minute, check to make sure that the oil level is at the center line of the gage. If necessary, add additional oil.

CAUTION

Capillary action will cause oil rise at the edge of the visual sight gage giving a false indication of oil level (fig. 4-1.1); thus, it is necessary to observe the level at the horizontal center of the sight gage.

b. *Tape drive assembly bearings.* Lubricate the sleeve bearings and the bushings of the perforator and printer interpreter as specified in the following chart. Also lubricate the drive gear thrust washer at the end of the bearing tube below the perforator tape drive assembly (fig. 4-2.1).

Fig. No.	Item NO.	Name of part	Method and quantity
4-2	1	Bearings on shafts and idler gears of perforator	Apply 1 or 2 drops of oil on each side of bearing.
4-2.1	1-2	Drive gear thrust washer & auger brng	Apply 1 or 2 drops of oil.
4-	1	Bearings on shafts and idler gears of printer interpreter	Apply 1 or 2 drops of oil on each side of bearing.

NOTE

Use a bent piece of wire or a thin brush to apply oil to the felt pads of the lower escapement armatures (C below).

c. *Tape Drive Assembly Escapement Armatures.* Lu- interpreter tape drive assemblies as indicated in the lubricate the felt pads and the armature tips of the chart below. wipe each escapement armature and escapement assemblies in the perforator and printer adjacent pole face clean, using a lint-free cloth.

Fig. No.	Item NO.	Name of part	Method and quantity
42	2	Perforator armature tip	Thin film on tip of each armature.
42	3	Perforator armature felt pad	1 or 2 drops of oil on pad of each armature.
43	2	Printer interpreter armature tip-	Thin film on tip of each armature.
4-3	3	Printer interpreter armature felt pad	1 or 2 drops of oil on pad of each armature.

d. *Cam and Sliding Surfaces.* Apply grease to the cam and sliding surfaces of the printer interpreter as indicated below. Remove any excess grease from adjacent surfaces with a clean, lint free cloth. Apply grease, lubricant, extreme pressure, Chicago Mfg. & Distributing Co. Lube No. 3 to the cam surfaces of the lifting lever and the spool retainer post. Apply grease, lubriplate, Fiske Bros. Refining Co. No. 630AA to the phasing adjustment bracket and to the hammer module.

e. *Tap handler reel drive motor.* Apply several drops of oil (SAE-20) to the oilhole in each end of the motor after each 4,000 hours of operation.

CAUTION

Whenever replacing the motor, be sure to saturate the felt pads inside the oil hole at each end of the motor with oil, SAE-20.

4-17.1. Cabinet Filter Cleaning.

Remove loose dirt and dust from cabinet air filter after each 50 hours of operation (a and b below). Wash and recoat the filter after each 250 hours of operation (c below). Remove and clean the filter as follows:

- a. Pry upper corners of grill assembly forward slightly and lift assembly upward to remove it from cabinet. Lift the exposed filter upward slightly and then forward to remove it from the cabinet.
- b. Use a hand vacuum cleaner to remove loose dirt and dust from both sides of filter.
- c. Place filter in a solution of warm water and detergent and allow it to soak for several minutes.
- d. Thoroughly wash filter by agitating the solution.
- e. Rinse filter thoroughly in clean water.
- f. Dry filter at room temperature or use a low-pressure source (15 psi max.) of dry compressed air.
- g. Spray each side of filter using a spray can of Coater, Filter (FSN 4130-860-0042) at a distance of about 12 inches to apply an even, thin coating. Repeat procedure to apply a total of three thin coats to each side of filter.
- h. Install filter using the reverse of the removal procedure (a above).

Warning

Never use hand vacuum cleaner without ensuring that scrap collector attachment is -mounted on the cleaner. Failure to observe this warning can cause injury to personal and damage to the cleaner.

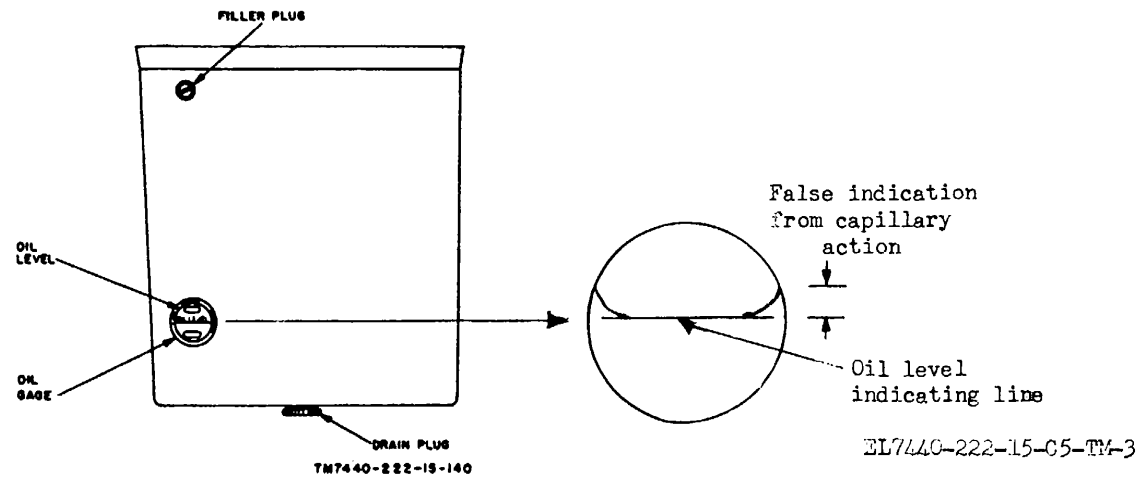
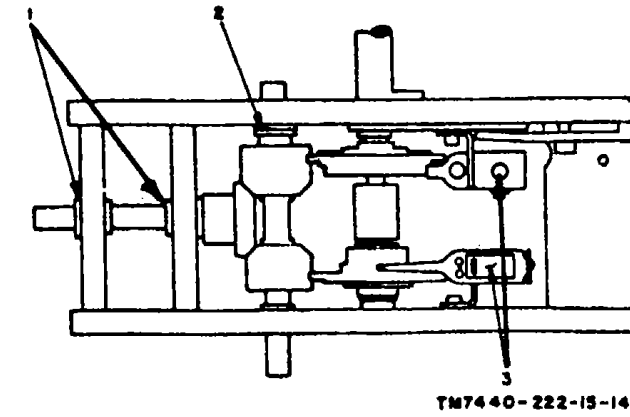


Figure 4-1. Perforator oilcan lubrication details.

Figure 4-1.1. Oil Level (enlarged view)



- 1 Idler shaft bushing (2)
- 2 Auger drive shaft (2) bushing
- 3 Escapement armature felt pad (2)

Figure 4-2 . Capstan drive mechanism lubrication points.

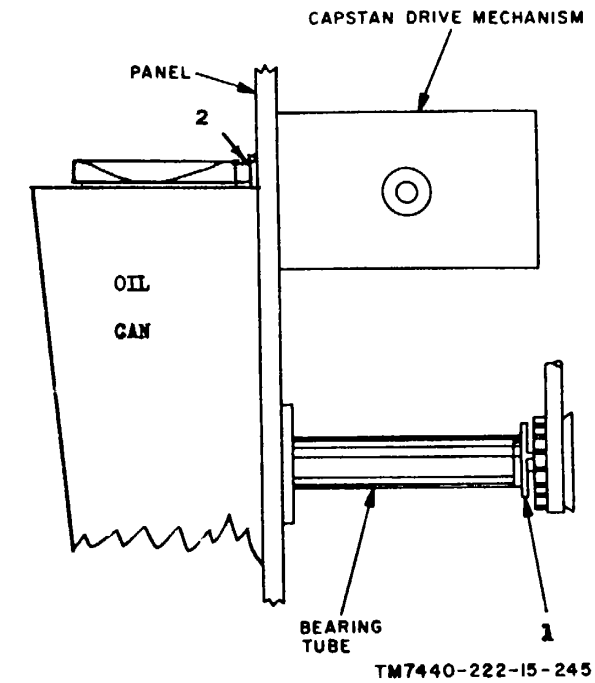
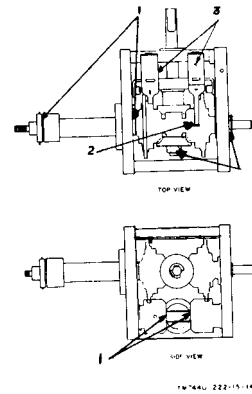


Figure 4-2.1. Perforator tape drive assembly lubrication point

1. Thrust washer
2. Chad auger shaft & sear assy

Fig. No.	Name of part	Method and quantity
4-5	Cam surfaces of lifting lever.	Apply sparingly to both cam surfaces on wear plate.
4-6	Phasing adjustment bracket.	Apply a light coating over entire sliding face of bracket.
4-7	Spool retainer post -	Apply sparingly to both leading cam surfaces. Note. Do not apply lubricant to slotted surface.
4-8	Hammer module adjusting cam.	Apply sparingly to cam on eccentric adjusting screw.



1. Shaft and idler gear bearing .
2. Escapement armature tips (2)
3. Escarpment armature felt pads (2)

Figure 4-3. Tape drive mechanism lubrication points.

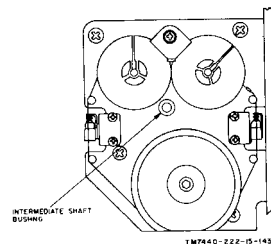


Figure 4-4. Ribbon/print wheel mechanism, lubrication point.

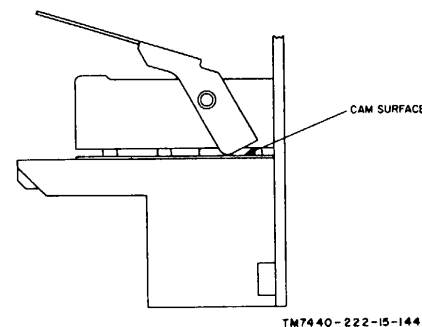


Figure 4-5. Tape reader mechanism, lubrication point.

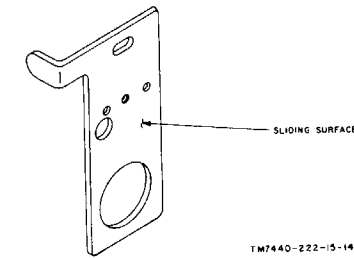


Figure 4-6. Phasing adjustment bracket, lubrication point.

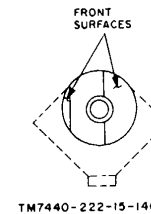


Figure 4-7. Spool retainer post, lubrication point.

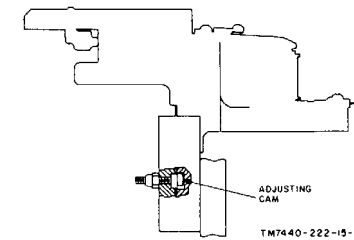


Figure 4-8. Hammer module clamp assembly, lubrication point.

Section III. TROUBLESHOOTING

4-18. Use of Troubleshooting Data

Troubleshooting information on the low speed paper tape punch is furnished in the low speed paper tape punch troubleshooting chart (para 419). When a particular trouble symptom is observed, the particular trouble or troubles can be corrected by replacing one or more of the components listed in the *Checks and corrective measures* column. First check resistors, capacitors, relays, and other nonplug-in electrical or mechanical components before replacing the component. Voltage and resistance data on transformers, relays, and nonstandard items is provided in paragraph 420. When a PC card trouble is suspected, check the PC card by substituting : 1 new card. Always recheck the low speed paper tape punch operation after repairs or replacements are performed.

4-19. Low Speed Paper Tape Punch Troubleshooting

Note

If the trouble location and correction procedures in a below do not correct the trouble, and it is suspected that the fault may be in the power supply. refer to b and c below for detailed power supply troubleshooting procedures.

a. Low Speed Paper Tape Punch Troubleshooting Chart.

Item No.	Trouble symptom	Probable trouble	Checks and corrective measures
1	<i>Power supply PSI.</i>		
	a. Fans do not operate	a. Blown power supply fuse F7-	a. Replace FAN fuse at front panel of power supply (fig. 2-4).
	b. Punch capstan drive motor does not operate.	b. Blown power supply fuse F8g	b. Replace DRIVE MOTOR fuse F8 at front panel of power supply (fig. 2-4).
	c. Indicator lamps do not light.	c. Blown power supply fuse F9 or F10.	c. Replace 15 VAC LAMP fuse Fg or F10 at front panel of power supply.
	d. Equipment shuts off or cannot be turned on.	d. Failure in one or more of power supply regulators.	d. Check for blown 120 VAC PWR SUP INPUT fuse (F5), -12V fuse (F3), +12V fuse (F2), or +4.75V FAST BLO fuse (F1) at front panel. Replace defective fuse.

Note. Refer to b below for detailed power supply troubleshooting procedures.

Item No.	Trouble symptom	Probable trouble	Checks and corrective measures
2	<i>Alarm indications.</i>		
a.	PARITY ERROR and STOP (In local test mode).	a. Input register -	a. Replace PC card A1A3 (No. A65397) or AIA9 (No. A65377).
b.	PARITY ERROR and STOP (in CCU or keyboard mode).	(1) Interface logic IL-1 (2) Interface logic IL-2	(1) Replace PC card A1A1 (No. A65201). (2) Replace PC card A1A2 (No. A65201).
c.	PUNCH ERROR and PARITY ERROR.	(1) Input register (2) Echo check	(1) Replace PC card A1A9 (No. A65377). (2) Replace PC card A1A6 (No. A66361).
d.	PUNCH ERROR (in ITA-2 mode).	(1) Code converter CC-1 (2) Decode matrix (3) Encode matrix (4) Code converter CC-2- (5) Motor stop	(1) Replace PC card A1A14 (No. A53418). (2) Replace PC cards A1A15 (No. A53725), A1A17. (3) Replace PC cards A1A16 (No. A53721), A1A19. (4) Replace PC card A1A19, (No. A65373). (5)
e.	PUNCH ERROR (in ITA-2 and ASCII modes).	(1) Code select (2) Echo check (3) Motor stop f Fuse A1F1	(1) Replace PC card AIA12 (No. A53584). (2) Replace PC card AIA5 (No. A65361). Check interface connection AllJ3. s 3) Reps f. Replace fuse.< PC card
f.	PRINT		
g.	TIGHT TAPE-	(1) Limit switch A4S2 (2) Print armature heel gap (3) Stripper position (4) Control logic	(1) Replace switch. (2) Adjust gap (pars 4-137). (3) Adjust position (pars 4-109). (4) Replace PC card A1A10.
3	<i>Incorrect alarm or lamp indication.</i>		
a.	Continuous PUNCH ERROR.	a. Output comparator	a. Replace PC card AIA5 (No. A65361).
b.	Incorrect lamp indication	b. Lamp driver	b. Replace PC card AIA20 (No. SM-E-546656).
c.	False or no TAPE OUT Indication	(1) Tape-out switch A1S1. (2) Data bit and fault detector.	(1) Replace switch. (2) Replace PC card AIA3.
d.	False or no LOW TAPE indication.	(1) Low tape switch S1 (2) Tape feed control	(1) Replace defective switch. (2) Replace PC card A1A6.
e.	False or no OUT OF TAPE indication.	(1) End of tape switch S2 (2) Data bit and fault detector.	(1) Replace defective switch. (2) Replace PC card A1A3.
f.	Panel indicators inoperative	f. Fuses F9 and FI	f. Replace blown fuses.
g.	No PRINT alarm	g. Fuse A1F2	g. Replace blown fuse.
h.	PUNCH ERROR/ MOTION FAIL	h. Motion fail sensor out of adjustment	h. Adjust motion fail sensor to meet the requirements outlined in para.4-115-3

Item No.	Trouble symptom	Probable trouble	Checks sand corrective men
h.	Indicator lights at half brilliance.	(1) Lamps DS1 thru DS11- (2) Lamp Z2, Z5, Z8, Z9, or Z11. (3) Lamp Z3, Z7, or Z10	(1) Replace defective lamp. (2) Replace defective lamp. (3) Replace defective lamp.
i.	Improper alarm	-i. Relay PS2K4	i. Replace relay.
j.	Unable to activate lamp test.	(1) Switch Z4 (2) Lamp driver	(1) Replace defective switch. (2) Replace PC card AIA20.
<i>4 Punching tube</i>			
a.	Failure to punch bit 1, 2, 3, or4.	a. Solenoid driver a. Motor control.	- a. Replace PC card A4A1 a 1. Replace PC card A5AI.
b.	Failure to punch bit 5, 6, 7,or8.	b. Solenoid driver b.1 Motor control.	- b. Replace PC card A4A2 b.1. Replace PC card A5AI.
c.	Failure to punch one bit	c. Drive fuses F1 thru F12	c. Replace defective fuse.
d.	Failure to punch one or more bits.	d. Clutch bank assembly d. Motor control. (para 4-57 and 4-58). Replace	d. Repair or replace assembly
e.	Erratic punching capacitor (50uf).	c. Punch mechanism network	c. Replace capacitor PC card A5A1
f.	Punch mechanism inoperative. (4)) Motor stop (5) Relay A5KI	(1) Drive motor assembly j (2) Start capacitor i(3) Start relay A4K	(1) Repair or replace assembly (para 463 and 4-64). (2) Replace capacitor. (3) Replace relay.
g.	Faulty punching, power off	g. Capacitor A4CI or A4C2 -9	g. Replace defective capacitor. I (4)Replace
h.	Faulty punching	h. Resistor A4R1 or A4R2	h. Replace defective resistor.
i.	Faulty punch or no tape advance.	i. Network resistor 50 ohm, 5 watt.	i. Replace resistor. (5eAce relay.
j.	Punch error or no tape advance.	j. Network diode	j. Replace diode.
k.	Failure to punch	- (1) Insufficient armature tip clearance. (2) Excessive air gap (3) Excessive armature spring tension. (4) Armature interference (5) Defective coil (6) Stuck punch pin (7) Broken clutch anchor (8) Defective eccentric	(1) Adjust armature tip clearance (par 4-105). (2) Adjust air gap (par 4-106). (3) Adjust armature spring Tension (par 4-107). (4) Replace clutch bank. (5) Replace coil. (6) Loosen and replace pin. (7) Replace clutch anchor. (8) Replace eccentric.
l.	Double punch	(1) Excessive armature tip clearance. (2) Insufficient armature spring tension. (3) Armature interference-	(1) Adjust armature tip clearance (par 4-105). (2) Adjust armature spring tension (par 4-107). (3) Replace clutch bank,
m.	Failure to punch automatic all-holes characters when motor starts running	m. Motor stop control.	m. Replace PC card A5A1

Item No.	Trouble symptom	Probable trouble	Checks and corrective measures
n.	Punch drive motor.	-----	n. Check drive motor troubles in sequential order of (1) though (5).
(1)	Inoperative in CK operation only. (Unmodified CK units)	(1) Improper setting of CONTINUOUS/AUTOMATIC switch A5SI.	(1) Set switch to CONTINUOUS position.
(2)	Inoperative with OVERRIDE PUNCH switch A5S2 in ON position.	(2) (a) Fuse PSIF8. (b) Power supply sequence module. (c) Relay PSIA9KI. (d) Switch A5S2. (e) Drive motor A4B1.	(2) (a) Replace fuse. (b) Replace PC card PSIA12. (c) Replace relay. (d) Replace switch. (e) Replace drive motor (para 4-77). Check drive pulley position.
(3)	Inoperative with OVERRIDE PUNCH switch A5S2 in OFF position and CONTINUOUS/AUTOMATIC switch A5SI in CONTINUOUS position.	(3) (a) Motor control module. (b) Relay A5KI. (c) Switch A581.	(3) (a) Replace PC card A5AI. (b) Replace relay. (c) Replace switch.
(4)	Inoperative with OVERRIDE punch switch A5S2 in OFF position and CONTINUOUS/AUTOMATIC switch A5S1 in AUTOMATIC position.	(4) (a) Motor control module. (b) Defective motor run interface. (c) Defective motor control circuits in common control unit.	(4) (a) Replace PC card A5AI. (b) Check for continuity of MOTOR RUN interface. (c) Troubleshoot common control unit (TM 11-7440-214-15).
(5)	With no traffic being received, motor fails to stop after end of last message in AUTOMATIC mode and START condition.	(5) (a) Defective motor run interface. (b) Defective motor control circuits in common control unit.	(5) (a) Check for short to ground on MOTOR RUN interface line with common control unit. (b) Troubleshoot common control unit (TM 11-7440-214-15).
o.	Elapsed time meter o inoperative when punch drive motor is running.	o (1) Defective meter driver. (2) Defective time Meter A5M1.	o- (1) Replace PC card A5A2. (2) Replace time meter.

Item No.	Trouble symptom	Probable trouble	Checks and corrective measures
5	<i>Printing troubles.</i>		
a.	No printing, or errors in printing.	(1) Logic-1 compare bits 1 and 2. (2) Logic-1 compare bits 3 and 4. (3) Logic-5 compare bits 5 and 6. (4) Logic-2 compare bit 7, control bits 1 and 7. (5) Logic-4 clock fee (6) Hammer module A3A1A3.	(1) Replace PC card A3A1 (No. 44193). (2) Replace PC card A3A2 (No. 44193). (3) Replace PC card A3A3 (No. 44306). (4) Replace PC card A3A4 (No. 44194). (5) Replace PC card A3B3 (6) Check penetration adjustment requirements (para p137 and 4-13,8). Replace module if defective (para 4-94). (7) Check tape reader position requirement (para 4-133). (8) Replace sensor PC card (para 4-91). (9) Replace defective lamp (para 4-90). Check lamp voltage and adjustment requirement (para 4-135). (10) Check capstan positioning requirement (para 4-126), armature escapement requirements (para 4-129 through 4-132) and lateral position of character adjustment requirements (para 4-127 and 4-128). (11) Replace ribbon/print mechanism (para 4-85).
	CAUTION		
	Ac power to the low speed paper tape punch should be OFF before changing positions of the OVERRIDE PUNCH switch A5S2. Arcing of the switch contacts will occur if ac is present when the switch is thrown.	(7) Tape reader A3A1A4- (8) Tape reader sensor PC card. (9) Tape reader lamp (10) Tape drive mechanism A3A1A1. (11) Ribbon/print mechanism A3A1A2. (12) Code disk	(12) Replace code disk (para 4-75). Check pulse generator phasing adjustment requirement (para 4-122). (13) Replace print roll segment (para 4-81). (14) Replace drive belt (para 4-76). Check tension requirement (para 4-120). (15) Check positioning and alignment requirement (para 4-121). (16) Replace drive motor (para 4-77). Check drive pulley positioning.
(13)	Print roll segment		
(14)	Drive belt		
(15)	Pulleys		
(16)	Drive motor		

Item No.	Trouble symptom	Probable trouble	Checks and corrective measures
(17)	Motor control module.	(17) Replace PC card A5AI.	
(18)	Relay A5K2.	(18) Replace relay.	
(19)	OVERRIDE pi switch A5s3.	(19) Replace switch.	
(20)	Motor stop control.	(20) If punch drive motor is also inoperative, perform checks listed in 4n above.	

CAUTION
Ac power to the low speed paper tape punch should be OFF before changing the position of the OVERRIDE PI switch A5S3. Arcing of the switch contacts will occur if ac is present when the switch is thrown .

Item No.	Trouble symptom	Probable trouble	Checks and corrective measures
b.	No printing (in ASCII or ITA-2 mode or both).	(1) Logic-3 decode and select case control. (2) Hammer module A3A1A3. (3) Ribbon/print mechanism A3A1A2.	(1) Replace PC card A3B4. (2) Replace module if defective (para 4-94). Check penetration adjustment requirements (para 4-137 and 4-138). (3) Replace ribbon/print mechanism (para 4-85).
c.	light printing, ribbon control inoperative.	(1) Ribbon switch A3AIA2SI or A3AiA2S2. (2) Ribbon coil A3AIA2L1 or A3AIA2L2. (3) Inked ribbon (4) Hammer module A3A1A3.	(1) Replace defective switch (para 4-86). (2) Replace defective coil assembly (para 4-86). (3) Replace ribbon spool assembly (para 4-82). (4) Replace module if defective (para 4-94). Check penetration adjustment requirements (para 4-137 and 4-138).
d.	Ribbon control inoperative	(1) Ribbon control (2) Ribbon/print mechanism A3A1A2.	(1) Replace PC card A3BO. (2) Replace ribbon/print mechanism (para 4-85).
e.	Missing characters	(1) Pulse generator sensor PC card. (2) Pulse generator lamp (3) Code disk (4) Tape reader A3AIA4 (5) Variable threshold receiver 'C card.	(1) Replace PC card (para 4-83). (2) Replace defective lamp (para 4-84). (3) Replace code disk (para 4-75). Check phasing adjustment requirement (para 4-122). (4) Check reader position requirement (para 4-133). (5) Replace PC card A3A2VT. Check receiver potentiometer adjustment requirement (para 4-135).
(6)	Hammer module	(6) Replace module if defective (para 4-94). Check penetration adjustment requirements (para 4-137 and 138).	
(7)	Print roll segment	(7) Replace print roll segment (para 4-81).	

Item No.	Trouble symptom	Probable trouble	Checks and corrective measures
f.	Printer interpreter inoperative.	(1) Fuse A3F12	(1) Replace fuse.
		(2) Printer-1 tape and hammer drivers.	(2) Replace PC card .A3B1 (No. 4,197).
		(3) Motor start relay K1	(3) Replace relay.
		(4) Capacitor A3A2C1	(4) Replace capacitor.
		(5) Transformer A3A1T1 or T2.	(5) Replace defectivetransformer.
		(6) Resistor A3A1R60	(6) Replace resistor.
		(7) Capacitor A3A1C2, C8, C14, or C17.	(7) Replace defective capacitor.
		(8) Relay A3AIK1 through K4.	(8) Replace defective relay.
		(9) Voltage regulator transformer T1.	(9) Replace voltage regulator transformer, or its regulator board.
		(10) +6V, -6V, -4.75V, or -18V PC card.	(10) Replace defective PC card.
		(11) Resistor A3AR61	(11) Replace resistor.
		(12) Drive motor M1	(12) Repair or replace drive motor (pares 477 and 4-78)
		(13) Drive belt	(13) Replace belt (para 4-76) Check tension adjustment requirement (para 4-120)
		(14) Tape drive mechanism A3A1A1.	(14) Repair or replace mechanism (para 4-87 and 4-88)
		(15) Ribbon/print mechanism A3A1A2.	(15) Repair or replace mechanism (pares 4-85 and 4-86)
		(16) Hammer module A3A1A3.	(16) Replace module (para 494)
6	<i>Tape feed and tape motion troubles.</i>		
a.	Loss of sprocket notch or advance.	a. Solenoid driver	-a. Replace PC card A4A3 (No. A53506)
b.	No forward or reverse tape drive.	b. Armature escapement assembly (forward or reverse)	b. Replace escapement assembly (pare 4-88)Check escapement adjustment requirements (para 4-129 through 4-131)
c.	Faulty tape feed	c. Tape feed control	c. Replace PC card AIA6 (No. A65365)
d.	Failure to advance tape	(1) L.S. timing generator-	(1) Replace PC card A1A7 (No. A65369)
		(2) Tape motion amplifier -	(2) Replace amplifier.
		(3) Capstan drive mechanism.	(3) Repair or replace mechanism.
		(4) Capstan drive mechanism forward coil or backspace coil.	(4) Replace defective coil.

Item No.	Trouble symptom	Probable trouble	Checks and corrective measures
		(5) Tape motion sensor	(5) Repair by replacing Card larp FSN 7440-989-3623; or card sensor, FSN 7440-989-3627; or replace tape motion sensor.
		(6) Insufficient armature tip clearance.	(6) Adjust armature tip clearance Para 4-111)
		(7) Excessive heel gap	(7) Adjust heel gap (para 4-110)
		(8) Excessive armature spring tension.	(8) Adjust armature spring tension (para 4-112)
		(9) Reverse stepper engaged	(9) Disengage reverse stepper.
		(10) Mechanical bind on capstan or shaft.	(10) Disassemble and reassemble capstan and shaft.
		(11) Dirty die block	(11) Clean die block.
e.	No tape feed	(1) Switch Z6	(1) Replace switch.
		(2) Tape feed mechanism -	(2) Repair or replace mechanism.
f.	No forward tape feed	f. Tape feed coil A1A1L1	f. Replace coil.
g.	No back spacing	g. Tape feed coil A1A1L2	g. Replace coil.
h.	Continuous tape advance	h. Tape feed switch S3	h. Replace switch.
i.	No tape takeup	(1) Thyristor Q1	(1) Replace thyristor.
		(2) Resistor R2	(2) Replace resistor.
		(3) Motor M1 (para 67)	(3) Repair or replace motor
		(4) Loose tape switch S4 -	(4) Replace switch.
i.	No tape motion	j Fuse AF1	j. Replace defective fuse.
k.	Reeling motor inoperative-	k Fuse F1	k. Replace defective fuse.
l.	Tape skips (advances two or stops on one pulse)	(1) Excessive armature tip clearancance	(1) Adjust armature tip clear- (para 4-111)
		(2) Insufficient armature spring tension.	(2) Adjust armature spring tension (para 4-112)
m.	Tape skips (repeatedly every 20 spaces)	Broken or nipped escapement tooth.	Replace clutch assembly.
n.	Erratic hole spacing	(1) Hole-to-hole spacing improperly adjusted.	(1) Adjust hole spacing (para 4-99)
		(2) Tape retainer too tight or too loose.	(2) Adjust tape retainer (para 4-103)
		(3) Tape stripper too tight or too loose.	(3) Adjust tape stripper (para 4-102)
		(4) Punches out of phase - (para 4-108)	(4) Adjust punch phasing
		(5) Insufficient capstan end play.	(5) Adjust capstan end play (pare 4-115)
		(6) Tape supply slide not feeding properly.	(6) Disassemble and reassemble tape supply slide assembly (para 4-50)
o.	Fails to reverse step	(1) Defective stepper tooth	(1) Replace stepper.
		(2) Insufficient armature tip clearance.	(2) Adjust armature tip clearance (para 4-111)
		(3) Excessive heel gap	(3) Adjust heel gap (para 4-110)
		(4) Excessive armature spring tension.	(4) Adjust armature spring tension (para 4-112).
		(5) Forward stepper engaged-	(5) Disengage forward stepper.
		(6) Mechanical bind on capstan or shaft.	(6) Disassemble and reassemble capstan and shaft.

Item No.	Trouble symptom	Probable trouble	Checks and corrective measures
7	Data or fransmasm on troubles:	(7) Dirty die block	(7) Clean die block.
a.	False data or repeats same characters (in ITA-2 mode).	(8) Backstepper adj. a. Invalid character detector - A6544.)	(8) Adjust backstepper. a. Replace PC card AIA13 (No.
b.	Loss of control data A53584).	b. Interface receiver/transmitter-	b. Replace PC card AIA2 (No.
8	Miscellaneous and multiple troubles.		
a.	Incorrect power sequencing-or power failure.	a. PC card PSIAI2	-a. Replace PC card PSIA12.
b.	Incorrect advance punch and printer interpreter or TIGHT TAPE alarm.	b. Control logic CI A65385).	b. Replace PC card A1A10 (No.
c.	No response to front panel controls. (No. A65389).	c. Control logic CL2 (No. A65385)	c. Replace PC cards A1A10 and A1A11
d.	Unable to manually reset-	d.- Reset switch S1	d. Replace switch.
e.	Unable to select ASC/ITA mode.	(1) ASCII/ITA switch 82	(1) Replace switch.
f.	Dc and ac power indicators do not light and punch is inoperative.	(2) Control logic (1) PC cards PS1A1 through PS1A3. (2) Fuses F1 thru F6 (3) Transformer T1	(2) Replace PC card A1A11. (1) Replace defective card. -(2) Replace defective fuse. (3) Replace transformer.
g.	No air flow, FAN fuse indicator on power supply panel not lighted.	g. (1) Blower motor B1 (2) Blower motor B3	g (1) Repair or replace motor. (2) Replace motor.
h.	Broken tape	h. Tight tape switch S3	h. Replace switch.
i.	Broken tape, TIGHT TAPE alarm.	i. Post tape guide	i. Adjust or replace guide.
j.	Ventilating fans B1 and B3 inoperative	j. Fuse F7	-j. Replace fuse.
k.	Drive motor and punch mechanism inoperable.	k. Fuse F8	-k. Replace fuse.
l.	Drive motor and/or fan inoperative.	l. Relay Ki	l. Replace relay.
m.	Power supply does not turn on.	(1) Rectifier board A8 board component. (2) Capacitor CI (3) Switch Z2	(1) Replace board, or defective (2) Replace capacitor (3) Replace switch.
n.	No ac power to punch, de-	n. Ac line filters FL1 and FL2 vice inoperative.	n. Replace filters.
o.	No ac power to drive motor	o. Ac line filters FL3 and FL4	o. Replace filters.
p.	Power failure or erratic operation.	p. Capacitors C2 thru C10	- p. Replace defective capacitor
q.	Unable to silence audible alarm.	(1) Switch Z1 (2) Control logic	(1) Replace defective switch. (2) Replace PC card A1A11.
r.	Faulty punch and advance	r. Punch mechanism-	r. Repair or replace mechanism.
s.	Unable to select print or punch.	(1) Switch Z5 (2) Status detector	(1) Replace defective switch. (2) Replace PC card A1A10.

Item No.	Trouble symptom	Probable trouble	Checks and corrective measures
t.	Unable to put device in ready condition.	(1) Switch Z7 (2) Status detector	(1) Replace defective switch. (2) Replace PC card A1A11.
u.	Unable to stop device-	(1) Switch Z8 (2) Control logic	(1) Replace defective switch. (2) Replace PC card A1A11.
v.	Unable to operate in local test mode. (2)	(1) Switch Z9 Control logic	(1) Replace defective switch. (2) Replace PC card A1A11.
w.	Unable to put printer interpreter into ready condition.	(1) Switch Z10 (2) Status detector	(1) Replace defective switch. (2) Replace PC card A1AQ.
2.	Unable to stop printer interpreter.	(1) Switch Zil (2) Status detector	-(1) Replace defective switch. (2) Replace PC card A1A10.
V.	TIGHT TAPE indicator does not light when tape is tight. 4-22).	(1) Loose tape sensor arm - sor arm (figs 4-21 and	(1) Readjust and tighten sen-
(2)	Loose tight-tape cam - setscrew (fig. 4-22).	(2) Position cam and tighten	
(3)	Defective tight-tape switch S3.	(3) Replace switch (74, fig. 4-21).	
(4)	Open connection at connector J3.	(4) Correct open-condition.	
(5)	Defective PC card A3	(5) Replace PC card A3.	
z.	Unable to select tape width	(1) Switch.A2A3	(1) Replace defective switch.
(2)	Punch register and notch control.	(2) Replace PC card A1A 5	

b. Power Supply, PS1, Troubleshooting Procedure.

(1) If there is any malfunction in any of the regulated supplies in power supply PS1, the sequence module, A12, in this supply automatically shuts down the entire supply. In order to troubleshoot the power supply, the sequence module must be removed and in its place a manual control card, Saratoga Industries part No. D39245, installed. This control card contains manually-operated switches which permit the regulated supplies to then be turned on one at a time.

(2) In order to use the manual control card to troubleshoot power supply PS1, first operate all 'SR switches of the manual control card. This should turn on all the regulated supplies, which can be monitored at the test jacks at the front of the power supply, as described in paragraphs 4-139, 4140, and 4141 (adjustment procedures for regulated supplies). If the regulated supplies all go on and are providing outputs within 90 percent of rated value the malfunction is in the sequence module, A12. If the output voltage of one (or more) of the regulated supplies does not meet the required specification, the voltage regulator, or its associated rectifier-filter network is defective, as summarized in the chart in c -below. If all regulated supplies are not operating, the ac power transformer (A9T1) is defective or a front panel ac fuse is blown.

(3) If it is suspected that there may be ripple in the output voltage of any one of the regulated supplies, connect an oscilloscope to the output test jacks at the front of the power supply normally monitored by means of a digital voltmeter (para. 4-139, 4-140, and 4-141). The ac ripple should not exceed the following peak-to-peak values:

Maximum ripple Test point monitored	(volts, peak-to-peak)
+4.75 and COM	0.012
+12 and COM	0.02
- 12 and COM	0.02
-48 and COM	0-.02

(4) If one of the power supplies is completely off, check the front panel fuse associated with this supply. If the fuse is not defective, the cause of trouble is in the corresponding voltage regulator card specified in the troubleshooting chart below.

c. Power Supply PSI Troubleshooting Chart.

Item No.	Trouble symptom	Probable trouble	Checks and corrective measures
NOTE:; SEE CAUTION BELOW.			
1	a. AC POWER indicator does not light and low speed paper tape punch is inoperative.	a. One or more of following: (1) PWR SUP INPUT fuse F5. (2) Sequence module A12 (3) Loose or open connections.	a. Proceed as follows: (1) Replace F5. (2) Replace PC card PS1A12. (a) Check PS1TB1 120 volt ac input and return circuitry. (b) Check FL1 TB2 120 volt ac input and (c) Check FL1 TB1 120 volt ac input and return circuitry. (d) Check transformer PS1A9T1 pins 1 and 2 (120 volts ac). (e) Check transformer PS1A9T1 pins 12 and 13 (12 volts ac). (a) Replace component assembly PS1A15. (b) Replace capacitor PS1A9C1.
		(4) 24 volt de rectifier	(a) Replace component assembly PS1A15. (b) Replace capacitor PS1A9C1.
		(5) AC POWER switch A3Z2.	(5) Replace switch A3A2.
	b. AC POWER indicator does not light but low speed paper tape punch is operative.	b. LAMP fuse F9 on power supply panel.	b. Replace defective fuse.
2	AC POWER indicator lights momentarily, DC POWER indicator does not light, and low speed paper tape punch is inoperative.	a. Blown fuse F1 (+4.75V), F2 (+12V), F3 (-12V), or F4 (-48V). b. +4.75 volts dc not available at test point TP2 (fig. 8-4, part 3), (+4.75V test point on power supply front panel (fig. 24).	a. Replace blown fuse. (1) Replace PC card PS1A1. (2) Replace PC card-PS1A12. (3) Replace heatsink assembly PS1A4. (4) Correct loose connections at connectors A14J5 and A14J6. (5) Clean contacts of relay PS1A9K1. (6) Replace SCR CR2 on PS1A14. (7) Replace capacitor A9C2, A9C3, or A9C6.

CAUTION: Before removing PC cards or heatsink subassemblies from power supply, ensure that input power is removed by return circuitry, opening the main ac input circuit breaker.

Item No.	Trouble symptom	Probable trouble	Checks and corrective measures
		c. -12 volts dc not available at test point TP4 (fig. 8-44, part 3), (-12V test point on power supply front panel (fig. 2-4). at connectors A14J7	(1) Replace PC card PSIA2. (2) Replace PC card PS1A12. (3) Replace heatsink assembly PSrA5. (4) Correct loose connections and A14J8. (5) Clean contacts of relay PSIA9KJ. (6) Replace defective SCR4 on PSIA14. (7) Replace PSIAI5. (8) Replace defective capacitor A9C&, A9C5, or A9C9.
		d. +12 volts dc not available at test point TP3 (fig. 8-44, part 3) (-12V test point on power supply front panel, fig. 2-4).	(1) Replace PC card PSiA2. (2) Replace PC card PSIA12. (3) Replace heatsink assembly PSIA5. (4) Correct loose connections at connectors A14J7 and A14J8. (5) Clean contacts on relay PSIA9KI. (6) Replace defective SCR3 on PSIA14. (7) Replace component assembly PSIA15. (8) Replace defective capacitor A9C4, A9C5, or A9C8.
		e. -48 volts de not available at test point TP5 (fig. 8-44, part 3), (-48V test point on power supply front panel (fig. 24). by PSIA6.	(1) Replace PC card PSIA3. (2) Replace PC card PSIA12. (3) Replace heatsink assembly PS1A4. (4) Replace heatsink assembly PSIA6. (5) Correct any loose connections at connectors A14J5, A14J6, and A14J9. (6) Clean contacts on relay PSIA9KI. (7) Replace SCR1 on PSIA14, if defective. (8) Replace component assembly PS1A15. (9) Replace defective capacitor A9CIO, A9C7, A9C11, A9C6, A9C2, and A9C3.

Item No.	Trouble symptom	Probable trouble	Checks and corrective measures
3	Output voltage out of Wolerante.		
	a. +4.74 volts dc output	a. Incorrectly adjusted +4.75 volt voltage regulator.	a. Adjust voltage regulator (para 4-139, 4-140, and 4-141).
	b. - 12 volts dc output	b. Incorrectly adjusted - 12- volt voltage regulator.	b. Same as a above.
	c. +12 volts dc output	c. Incorrectly adjusted +12- volt voltage regulator.	c. Same as a above.
4	d. -48-volt dc output	d. Incorrectly adjusted -48- volt voltage regulator.	d. Same as a above.
	Low speed tire punch cannot be powered down.	Defective SCR in PS1 PS1SCR3, PS1SCR4, or PS1SCR2.	Replace defective PS1SCR1,
5	Ventilating fans B1 and 53 inoperative,	a. Blown fuse PSF1	a. Replace- PS1FL1.
		b. Dirty relay contacts	b. Clean contacts of relay PS1A9K1.
		c. Defective blower B1	c. Replace blower B1.
		d. Defective blower B3	d. Replace blower B3.

4-20. Troubleshooting Reference Data

a. General. The dc resistance data (b through d below) is provided as in aid in troubleshooting. When using the data, observe the following:

(1) Do not Use the resistance measurements as the sole basis for discarding a solenoid, relay, or transformer. Bear in mind that, because of broad winding tolerances during manufacture, resistances may vary from one solenoid, relay or transformer to another; the values are typical average value

(2) The normal resistance of a replacement solenoid, relay or transformer may differ greatly from the values given.

b. *Solenoid Winding Data.* The dc winding resistance of the solenoids associated with the printer interpreter and perforator are listed in the chart below.

Solenoid	Terminals	Resistance (ohm)
<i>Printer interpreter :</i>		
Hammer module A3J1:		
L1	Pins A and B	3.7 5%
Tape feed module-	A3J1:	
L1	Pins 2.and 7	50 (nominal)
L2	Pine 3 and 7	50 (nominal)
Ribbon module	A3PI:	
L1	Pins f and 7 -	128 to 192
L2	Pins 6 and 2 -	128 to 192
<i>Perforator Resistance (OHM):</i>		
Capstan drive:		
L(F) forward	2.4	
L(R) reverse	65	
Punch coils	A4J3:	
L (s)	Pins A and B	. 24
L(4)	Pins C and D	- . 24

see footnotes at end of table

Solenoid	Terminals	Resistance (ohm)
L (1)	Pin E and F. A4J4:	24
L (9)	Pins A and B.	24
L (5)	Pin C and D	24
L (2)	Pins E and F - A4M5:	24
L (3)	Pins A and B-	24
L (6)	Pins C and D-. A4J6:	24
L (S)	Pins A and B	-24
L (7)	Pins C and D	-24

Number 1 to 8 in parentheses Indicates, the punch column number. Number 9 in parentheses indicates the notch punch. The letter 8 in parentheses indicates the sprocket punch. the sprocket punch.

c. *Relay Terminal and Winding Data.* The dc winding resistance of the relays associated with the printer interpreter, perforator, and power supply PSI are listed in the chart below.

Relay	Terminals	Resistance (ohm)
<i>Printer interpreter</i>		
A3		
K1	3 and 4	0.4
K2	2 and 7	2,250
<i>Power supply PS1:</i>		
A9KI	132	

A12K	-425
<i>Power supply P82:</i>	
K1	26 (nom)
K2	700 (nom)
K3	185 (nom)
K4	700 (nom)

d. *Transformer Winding Data.* The dc winding resistance of the transformers in power supply PS1 are listed below.

Transformer	Terminals	Resistance (ohm)	
P81A9T1	1-2	0.270 (max).	
	3-7	0.270 (max).	
	4-7	0.021 (max).	
	5-7	0.048 (max).	
	6-7	0.011 (max).	
	7-8	0.011 (max).	
	7-9	0.048 (max).	
	7-10	0.021 (max).	
	7-11	0.270 (max).	
	12-13	0.510 (max).	
	PS1A12T1	1-8	1.250 (+ 15%).
		2-4	0.290 (±15%).
		3-5	01370 (+15%).

e. *Switch Terminal Data.* The terminal data for rotary switch S3 of logic assembly A1 is shown in figure4-9.

f. *Additional Reference Data.* Illustrations that will help maintenance personnel to troubleshoot the low speed paper tape punch are referenced in the chart below.

Fig. No.	Subject
8-1	MLI-STD resistor color code chart.
8-2	MLI-STD capacitor color code chart.
8-3	Low speed paper tape punch, interconnection diagram.
8-4	Control band, schematic diagram.
8-24	Ac circuits, schematic diagram.
	25 Power supply, schematic diagram.
8-25	Dc distribution, schematic diagram.
8-27	Alarm circuit, schematic diagram.
8-28	Tape-out switch circuit, schematic diagram.
8-29	Tape read photocells, schematic diagram.
3-42	Perforator ac circuits, schematic diagram.
8-43	Perforator dc circuits, schematic diagram.
8-44	Rectifier and regulator circuits, schematic diagram.
8-45	Power sequencing circuits, schematic diagram.

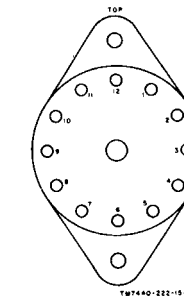


Figure 4-9. Rotary switch S3, terminals data..
Section IV. REMOVAL AND REPLACEMENT

4-21. General

The following paragraphs describe the removal and replacement of major assemblies, subassemblies, and components of the low speed paper tape punch. These paragraphs also describe the disassembly and reassembly of major assemblies and subassemblies when not in the order of index numbers on exploded views or when special tools and procedures are required. Use these procedures in conjunction with the troubleshooting, lubrication, repair, and adjustment proce

NOTE

A quick and efficient method of repairing loose or stripped cabinet frame back panel nuts is to install floating nut, NSN 53100-8604-5274 in its place

dures described in paragraphs 4-18 through 4-20, 4-13 through 4-17, 496, and 4-98 through 4-140.

a. Remove and Disassembly.

(1) Disassemble the low speed paper tape punch only to the extent necessary to inspect, clean, lubricate, and replace a defective part, or to just the assembly that is in need of maintenance.

(2) When removing shims, note the number and thickness of shims used at each point. Be sure to replace the same thickness of shims at each point (unless otherwise specified) when reassembling the assembling.

(3) When removing springs that are very similar in appearance, tag or other wise identify each spring to ensure proper identification during reassembly.

b. Reassembly and Replacement.

(1) Inspect all removed parts for evidence of excessive wear or damage. Install only parts that are unquestionably serviceable.

(2) Apply a coat of antiseize compound to all steel screws that are installed in aluminum castings.

(3) Check to be sure that mating gears and mechanical linkages are properly engaged before tightening the mounting screws or nuts.

Caution

When securing parts in place, be careful not to tighten the mounting screws or nuts excessively.

(4) Apply sealing compound FS48030-081-2 to the areas indicated by the note on figures 4-10 and 4-13.

4-22. Removal and Replacement of Control Panel Assembly A2 (fig. 4-10)

a. Removal. Remove the eight screws (1 fig. 4-10), flat washer (2), and lock washers (3), and separate control panel assembly (4) from enclosure (35).

Note

At this point the attaching cables are still clamped to the inclosure. To completely remove the front panel the cables connecting power supply PS1 and logic assembly A1 must be removed. This is not necessary for replacement of

front panel components, however.

b. Replacement. To replace control panel assembly (4, fig. 4-10), reverse the removal procedure in a above.

4-23. Disassembly and Reassembly of Control Panel Assembly A2 (fig.4-11)

a. Disassembly. Disassemble control panel assembly (4, fig. 4-10) by following the sequence of index

numbers in figure 4-11.

b. Reassembly. To reassemble control panel assembly (4, fig. 4-10), reverse the disassembly procedure in a above.

4-24. Removal and Replacement of Punch Assembly A4 (fig. 4-10)

CAUTION:

Keep punch assembly upright unless oil is drained.

a. Removal. Remove punch assembly (5, fig. 4-10) as follows:

(1) Pull the four fastener handles on the punch assembly panel so that the handles extend straight out.

(2) Rotate the fastener handles 90 degrees to release the fasteners.

(3) Grasping the handles, pull the assembly out on its slides until the slides lock in place.

(4) Disconnect the connectors at the rear of the assembly.

(5) Depress the slide stop catches on the left and right slide assemblies.

(6) Remove the assembly from the inclosure.

b. Replacement To replace punch assembly (5, fig. 4-10), reverse the reverse procedure in a above.

4-25. Disassembly and Reassembly of Punch Assembly A4 (fig. 4-12)

a. Disassembly. Disassemble punch assembly and Reassembly.

LEGEND FOR FIGURE 4-10

- 1 Screw, panhead, No. 8-32, 7/16 in. long
- 2 Washer, flat, No. 8
- 3 Lockwasher, No. 8
- 4 Control panel assembly A2
- 5 Punch assembly A4
- 6 Screw, panhead, No. 10-32, 5/8 in. long
- 7 Washer, flat, No. 10
- 8 Lockwasher, No. 10
- 9 Low speed printer interpreter A3
- 9.1 Panel assembly
- 9.2 Panel
- 9.3 Latch
- 9.4 Printer Interpreter mechanism

- 10. Screw, panhead, No. 10-32, 5/8 in. long
- 11. Washer, flat, No. 10
- 12. Lockwasher, No. 10
- 13. Tape handler B2
- 13.1 Reference plate
- 14. Logic assembly A1
- 15. Screw, panhead, No. 8-32, 1/2 in. long
- 16. Washer, flat, No. 8
- 17. Lockwasher, No. 8
- 18. Interface plate assembly
- 18.1 Drive screw
- 18.2 Identification plate
- 19. Power supply PS1
- 20. Power supply assembly PS2
- 21. Screw, hex head, No. 10-32, 0.438 in. long
- 22. Washer, flat, No. 10
- 23. Lockwasher, No. 10
- 23.1 Screw, panhead, 8-32 x 3/4 in.
- 23.2 Nut, hex, No. 8
- 23.3 Lockwasher, No. 8
- 23.4 Washer, flat, No. 8
- 23.5 Connector A1J1
- 24. Slide
- 25. Slide
- 26. Screw, panhead, No. 10-32
- 27. Lockwasher, No. 10
- 28. Shield assembly
- 29. Filter assembly FL1
- 30. Screw, panhead, No. 8-32, 7/16 in. long
- 31. Washer, flat, No.8
- 32. Lockwasher, No. H
- 33. Grill assembly
- 33.1 Locknut
- 33.2 Stud fastener
- 33.3 Grill
- 33.4 Filter
- 34. Blower 81
- 34.1 Screw, panhead, No.10-32, 1/2 in. long
- 34.2 Lockwasher. No.10
- 34.3 Washer, flat, No. 10
- 34.4 Voltage regulator VR1
- 34.5 Capacitor
- 34.6 Slower wheel, clockwise
- 34.7 Blower wheel, counter-clockwise
- 34.8 Blower motor
- 35. Enclosure
- 35.1 **Rubber bumper**
- 36. Connector assembly P1
- 37. Connector assembly A2P2
- 38. Connector assembly
- 39. Connector assembly
- 40. Interface cable assembly
- 41. Control panel cable assembly
- 42. Cable assembly W1
- 43. Power distribution cable assembly
- 43.1 Printer interpreter cable assembly
- 44. Screw, external, relieved body
- 45. Washer, flat, No.6
- 46. Lockwasher, No.6
- 47. Nut, hex, No.4-40
- 48. Lockwasher. No.4
- 49. Washer, flat, No. 4
- 50. Screw, flathead, No. 4-40, 5/8 in. long
- 50.1 Screw, flathead, No. 4-40, 7/16 in. long
- 51. Cable clamp
- 51. 1 Cable clamp
- 52. Electrical contact. male
- 53. Keying, pin

- 54. Cable strap
- 55. Nameplate
- 56. Insulator, electrical contact
- 57. Contact mounting bracket
- 58. Door assembly. right
- 59. Ptn, straight, 3/16 in. diameter x 3 in. long
- 60. Handle
- 61. Cam
- 62. Rod
- 63. Nylon grommet
- 64. Mylar liner, right
- 65. Door. right
- 66. Door assembly, left
- 67. Door, left
- 68. Mylar liner. left
- 69. Screw. panhead, No. 10-32, 1/2 in. long
- 70. Washer, lock, No.10
- 71. Washer. flat, No.10
- 72. Rear panel
- 73. Nut. hex, No. 10-32
- 74. Lockwasher, No. 10
- 75. Washer, flat, No.10
- 76. Support plate
- 77. Mounting plate
- 78. Screw, sheetmetal. No. 10, 1/2 in. long
- 79. Bee
- 80. Retaining clip
- 81. Metal trim
- 82. Metal trim
- 83. Nut, hex, No.10-32
- 84. Lockwasher, No.10
- 85. Washer, flat, No.10
- 86. Screw. flathead, No. 10-32, 3/8 in. long
- 87. Trim, logo
- 88. Strip. logo
- 89. Terminal lug
- 90. Terminal lug
- 91. Terminal lug
- 92. Ferrule
- 93. Terminal lug
- 94. Terminal lug
- 95. Connector plug P1
- 96. Connector Jack J11
- 97. Connector W1P2
- 98. Connector W1P1
- 99. Connector P1
- 100. Connector P2
- 101. Connector P3
- 102. Ferrule
- 103. Nut, hex, No.8-32
- 104. Washer, flat, No.8
- 105. Lockwasher.No.8
- 106. Screw, panhead, No. 8-32, 3/4 in. long
- 107. Cable clamp
- 108. Cable clamp
- 109. Cable clamp
- 110. Cable clamp
- 111. Cable clamp
- 112. Cable clamp
- 113. Cable clamp
- 114. Cable clamp
- 115. Lockwasher. external tooth, No. 8
- 116. Nut, hex, No.10-24
- 117. Washer, flat, No.10
- 118. Lockwasher, No.10
- 119. Bar clamp
- 120. Nut, hex, No.8-32
- 121. Washer, flat, No.8
- 122. lockwasher, No.8

NOTE: The following items are applicable only to equipment with motor stop assembly AS installed (MWO 11-7440-222-30-1/NAVELEX 0967-324-0220/TCTO 31W4-20-508).

- 123. Screw, panhead, No. 10-32, 1/2 in. long
- 124. Washer, flat, No. 10
- 125. Lockwasher, No. 10
- 126. Nut bar, No. 10-32
- 127. Motor stop assembly AS (See fig. 4-19)
- 128. Connector mounting bracket
- 129. Cable clamp, 3/4 in. dia.
- 130. Cable clamp, 0.22 in. dia.
- 131. Cable tie wrap
- 132. Nameplate
- 133. Cable clamp, . 1 in. dia.
- 134. Screw, panhead, No. 4-40, 1/2 in. long
- 135. Screw, flathead, No. 4-40, 1/2 in. long
- 136. Nut, hex, No. 4-40
- 137. Lockwasher, No. 4
- 138. Washer, flat, No. 4
- 139. Cable clamp
- 140. Standoff, No. 8-32
- 141. Not used
- 142. Reference plate "A5"
- 143. PC card No. 12-890096-2 (A5A1) (Ref. see fig. 4-19)

NOTE: The following items are applicable only to equipment with S Blower B3 installed (MWO 11-744(L-222-30-4/NAVELuX 0967-LP_-324 0 TCTO 31W4-2G-540)

- 144. Cable tie wrap
- 145. Nut, hex, No. 6-32
- 146. Lockwasher, No. 6
- 147. Washer, flat, No. 6
- 148. Screw, panhead, No. 6-32, 1/2 in. long
- 149. Cable clamp
- 150. Cable assembly
- 151. Terminal lug
- 152. Spade terminal
- 153. Nut, hex, No. 6-32
- 154. Lockwasher, No. 6
- 155. Washer, flat, No. 6
- 156. Screw, flathead, No. 6-32, 5/8 in. long
- 157. Rubber spacer
- 158. Screw, panhead, No. 8-32, 1/2 in. long
- 159. Washer, flat, No. 8
- 160. Lockwasher, No. 8
- 161. Duct
- 162. Nut, hex, No. 6-32
- 163. Lockwasher, No. 6
- 164. Washer, flat, No. 6
- 165. Screw, panhead, No. 6-32, 1-1/2 in. long
- 166. Blower B3
- 167. Nut, hex, No. 6-32
- 168. Lockwasher, No. 6
- 169. Washer, flat, No. 6
- 170. Screw, panhead, No. 6-32, 1/2 in. long
- 171. Plate
- 172. Nut, hex, No. 8-32
- 173. Lockwasher, No. 8
- 174. Washer, flat, No. 8
- 175. Screw, panhead, No. 8-32, 1/2 in. long
- 176. Attach bracket
- 177. Nut, hex, No. 6-32
- 178. Lockwasher, No. 6
- 179. Washer, flat, No. 6
- 180. Screw, panhead, No. 6-32, 7/16 in. long
- 181. Support bracket

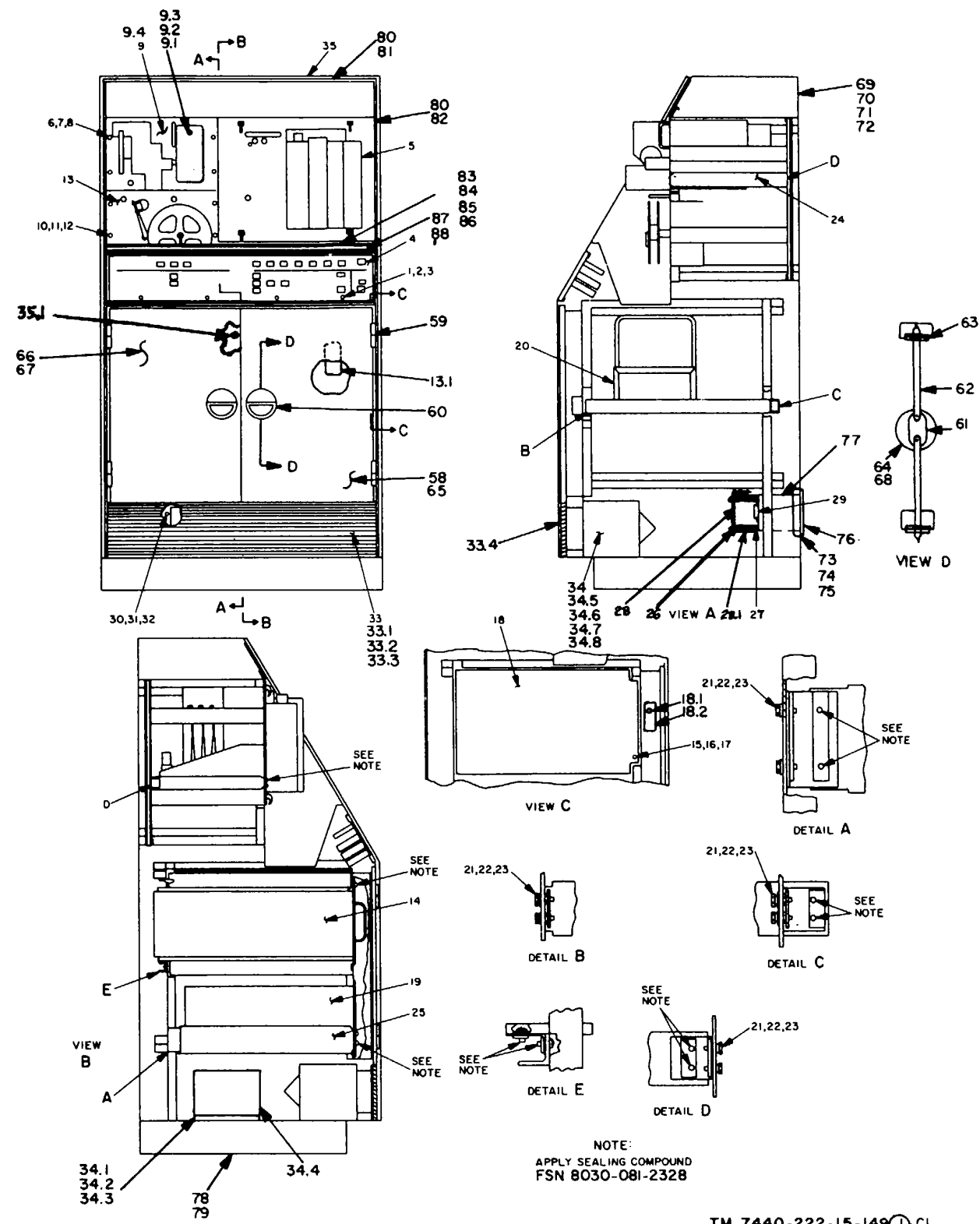


Figure 4-10(1). Low speed paper tape punch component location diagram (part 1 of 4)

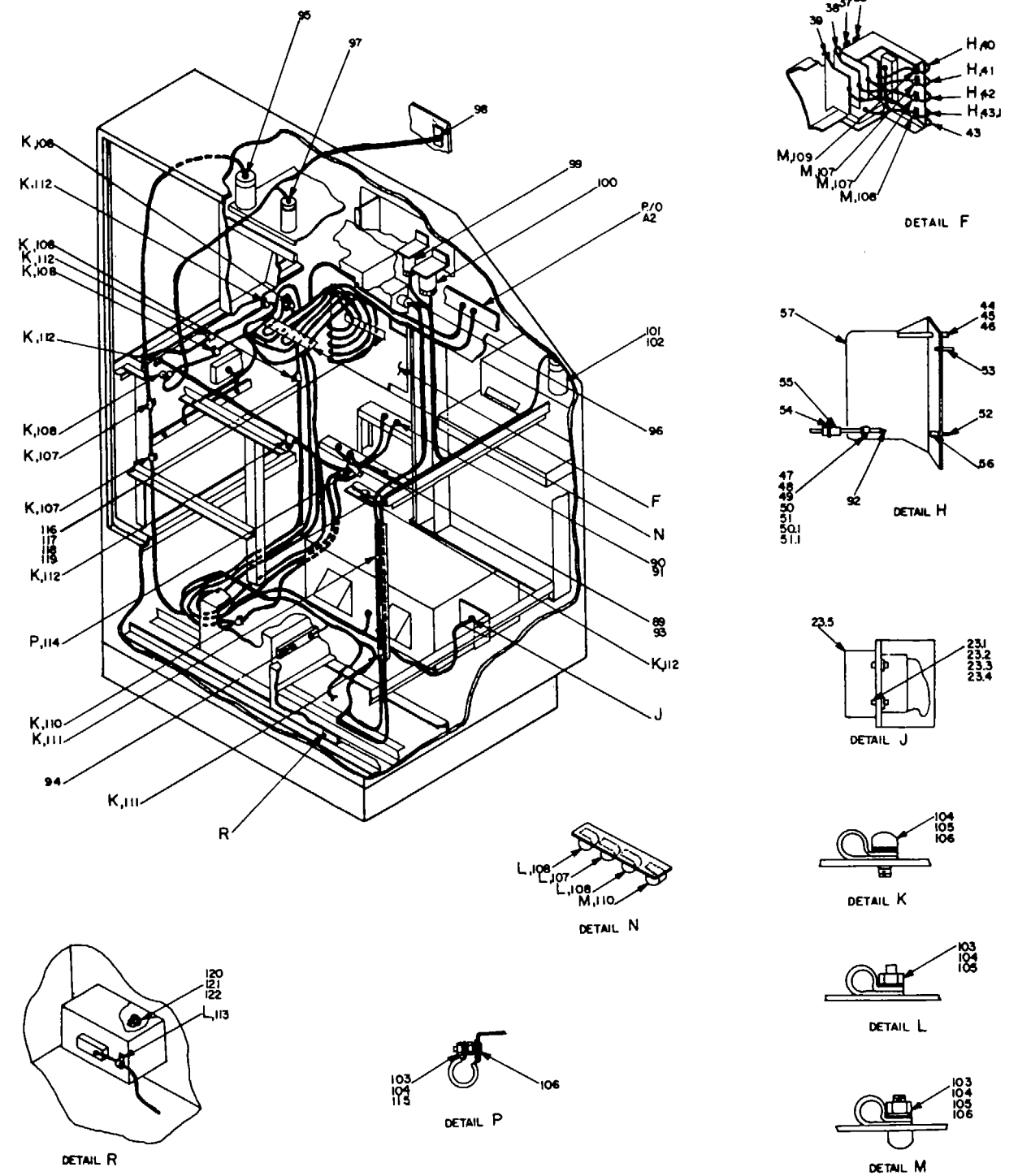


Figure 4-10(2). Low speed paper tape punch, component location diagram (part 2 of 4)

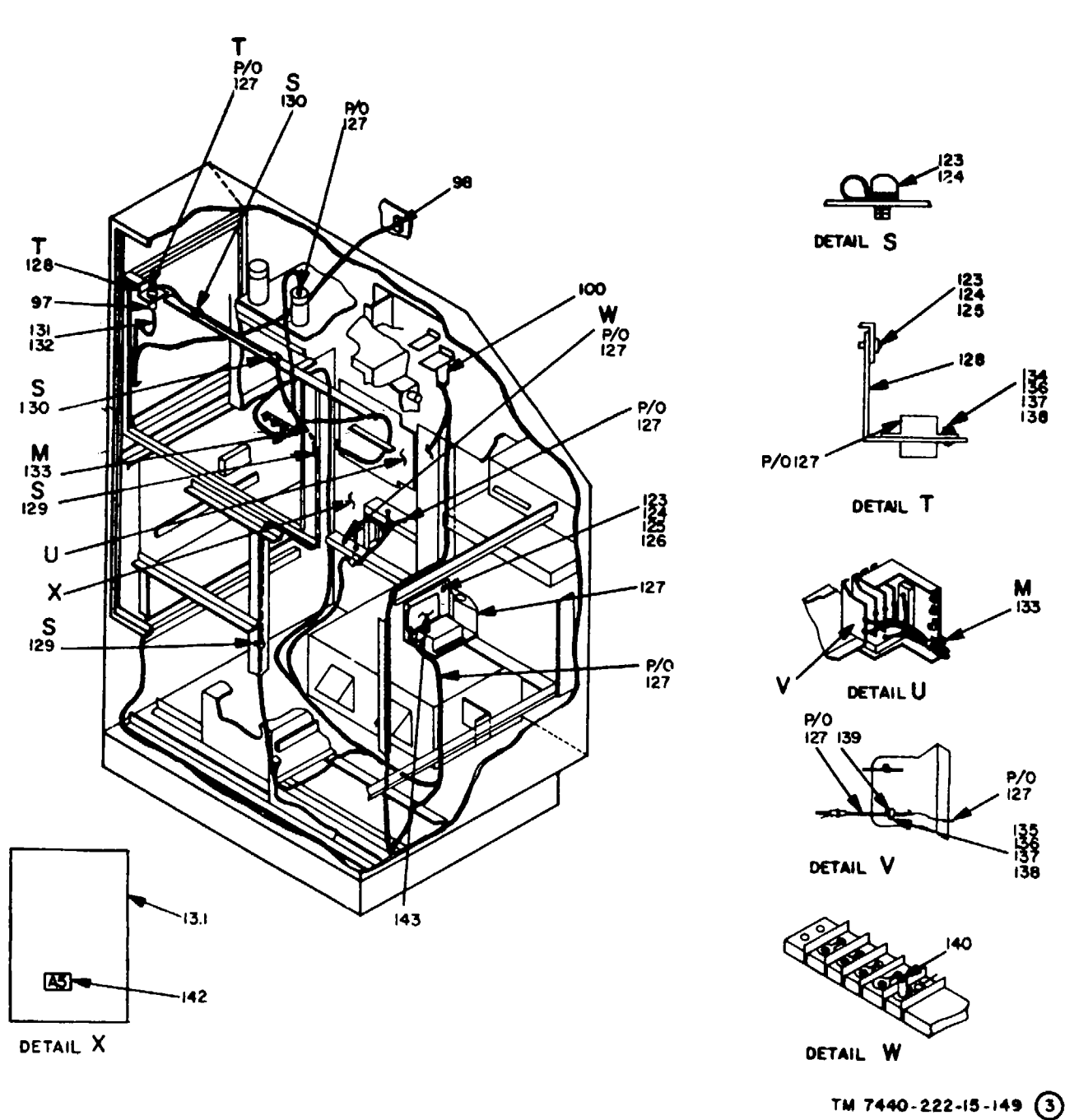


Figure 4-10 (3) Low speed paper tape punch component location diagram (part 3 of 4).

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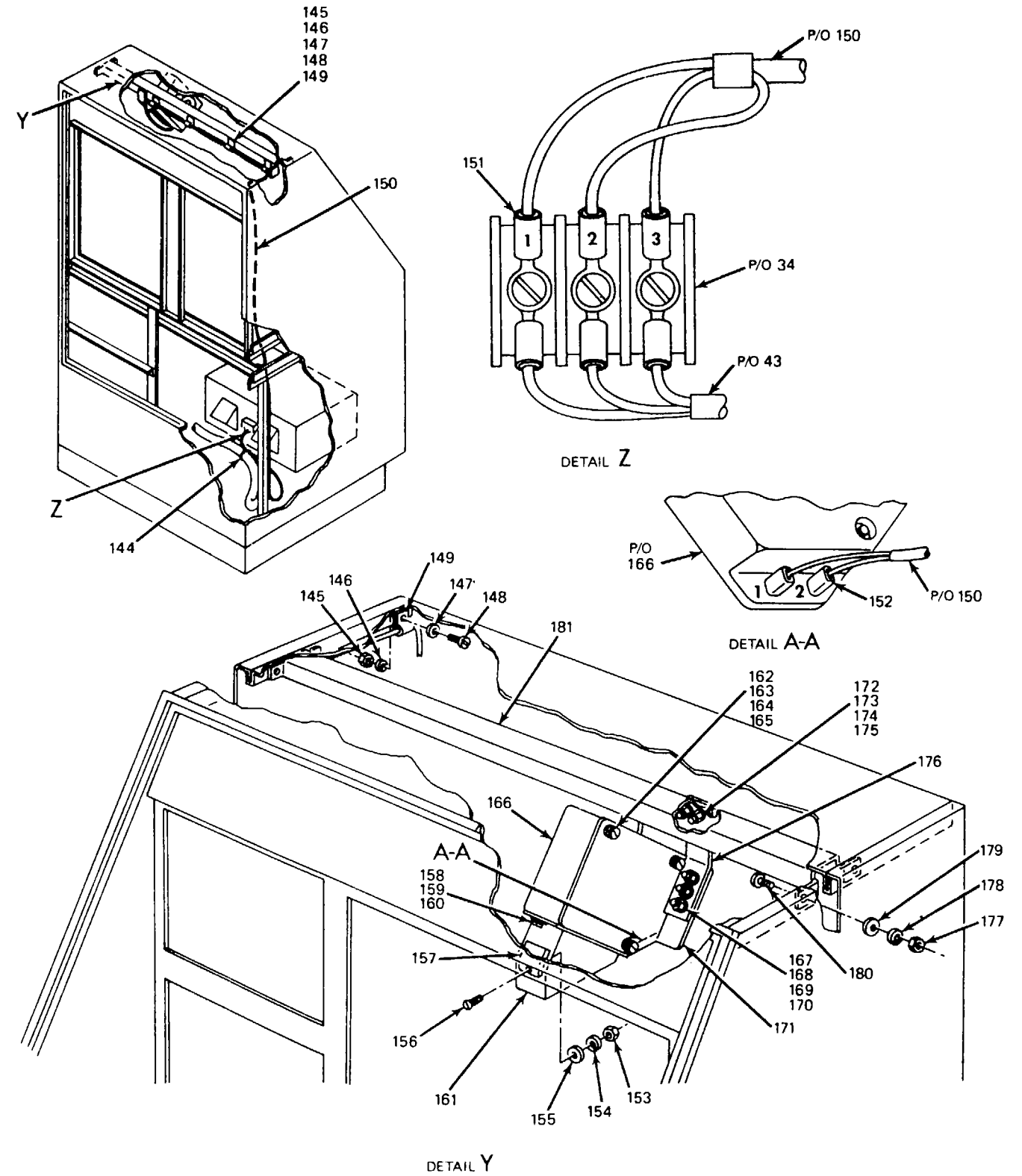


Figure 4-10(4). Low speed paper tape punch, component location diagram (part 4 of 4).

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in figure 4-12. Disassembly of low speed perforator (6, fig. 4-12) is described in section V.

b. Reassembly. To reassemble punch assembly (5, fig. 4-10), reverse the disassembly procedure in a above. Reassembly of low speed perforator (6, fig.4-12) is described in section V.

4-26. Removal and Replacement of Punch Driver Assembly (fig. 4-12)

a. Removal. Remove punch driver assembly (4, fig.4-12) as follows:

- (1) Remove punch assembly (5, fig. 4-10) as described in paragraph 4-24a.
- (2) Remove the six screws (1, fig. 4-12), flat washers (2), and lockwashers (3), and separate punch driver assembly (4) from low speed perforator (6).

b. Replacement. To replace punch driver assembly (4, fig. X12), reverse the removal procedure in a above.

4-27. Disassembly and Reassembly of Punch Driver Assembly (fig. 4-13)

a. Disassembly. Disassemble punch driver assembly 4, fig. 412) by following the sequence of index numbers figure 4-13.

b. Reassembly. To reassemble punch driver assembly (4. fig. 4-12), reverse the disassembly procedure in a above.

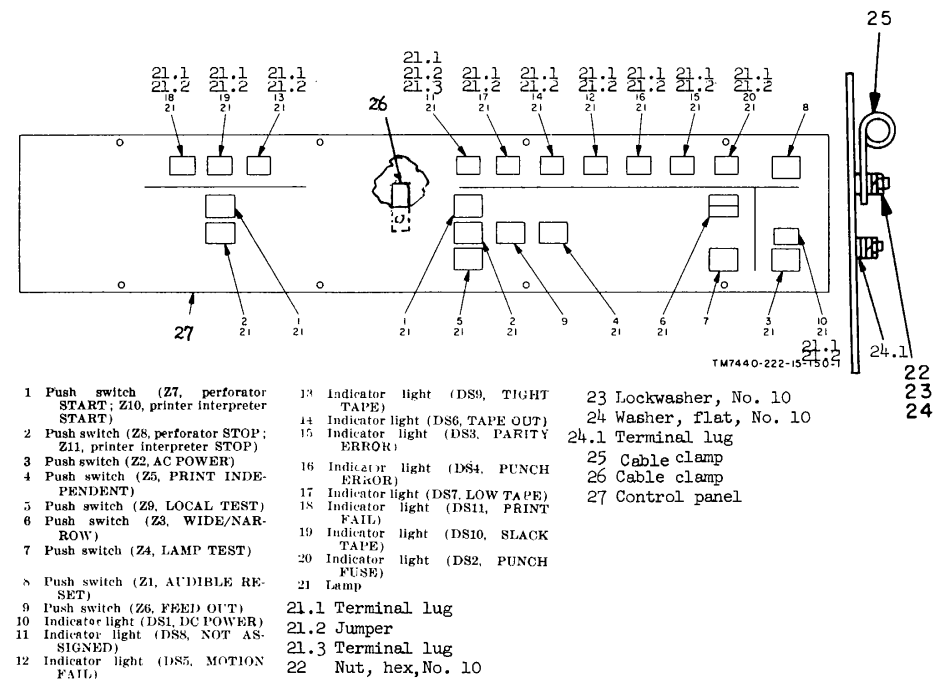


Figure 4-11. Control panel assembly component location diagram.

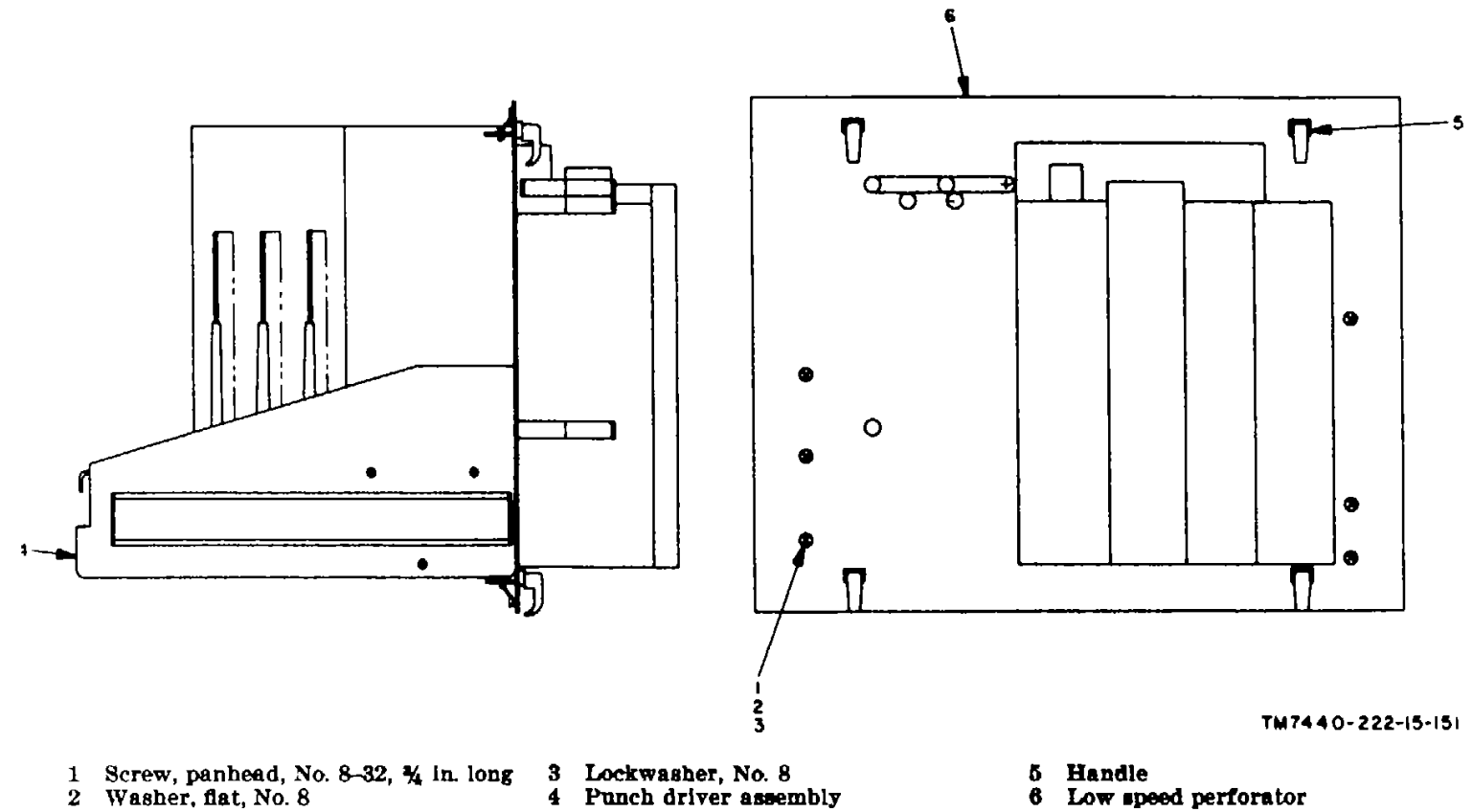
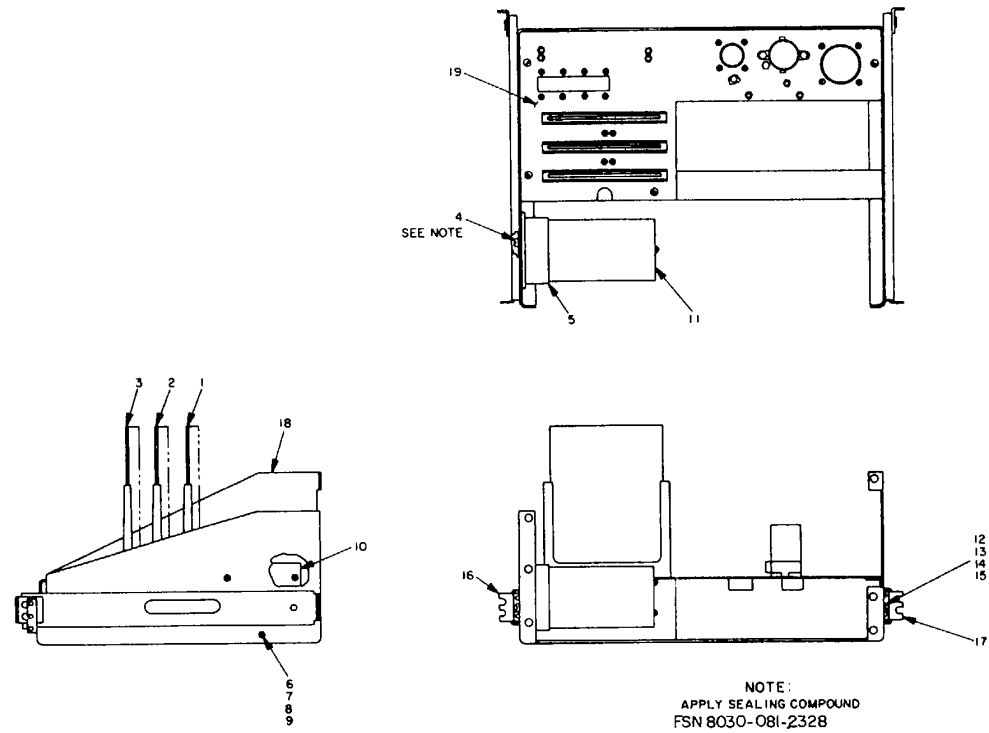


Figure 4-12. Plum assembly, component location diagram.



- | | | |
|---|--|--------------------------------|
| 1 PC card A4A1 (No. A53506) | 7 Lockwasher, No. 8 | 13 Washer, flat, No. 10 |
| 2 PC card A4A2 (No. A53506) | 8 Washer, flat, No. 8 | 14 Lockwasher, No. 10 |
| 3 PC card A4A3 (No. A53506) | 9 Nut, hex, No. 8-32 | 15 Nut, hex, No. 10-32 |
| 4 Screw, panhead, No. 10-32, 1/4 in. long | 10 Spacer | 16 Left hand slide |
| 5 Capacitor clamp | 11 Capacitor (C2) | 17 Right hand slide |
| 6 Screw, panhead, No. 8-32, 5/8 in. long | 12 Screw, panhead, No. 10-32, 1/4 in. long | 18 Chassis assembly |
| | | 19 Punch driver shelf assembly |

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4-28. Removal and Replacement of Punch Driver Shelf Assembly (fig. 4-13)

a. *Removal.* Remove punch driver shelf assembly (19, fig. 4-13) as follows:

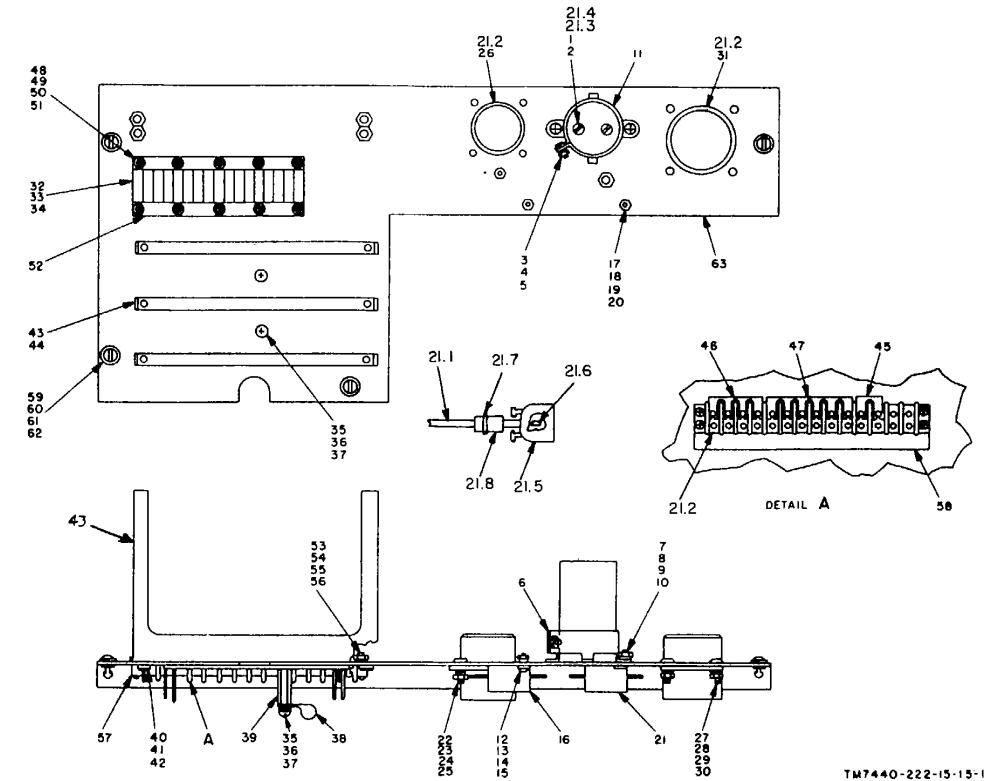
- (1) Remove punch assembly (5, fig. 4-10) as described in paragraph 4-24a.
- (2) Remove punch driver assembly (4, fig. 4-12) as described in paragraph 4-26a.
- (3) Remove items 1 through 18 in figure 4-13 from punch driver shelf assembly (19).

b. *Replacement.* To replace punch driver shelf as 4-14 Chad 4 assembly (19, fig. 4-13), reverse the removal procedure in a above.

4-29. Disassembly and Reassembly of Punch Driver Shelf Assembly (fig. 4-14)

a. *Disassembly.* Disassembly punch driver shelf assembly (19, fig. 4-13) by following the sequence of index numbers in figure 4-14.

b. *Reassembly.* To reassemble punch driver shelf assembly (19, fig. 4-13), reverse the disassembly procedure in a above.



- | | | |
|---|---|---|
| 1 Screw | 21.4 Terminal lug | 40 Screw, panhead, No. 6-32, 3/8 in. long |
| 2 Lockwasher, No. 10 | 21.5 Connector A4A1P6 | 41 Washer, flat, No. 6 |
| 3 Screw, panhead, No. 6-32, 3/4 in. long | 21.6 Ferrule | 42 Lockwasher, No. 6 |
| 4 Nut, hex, No. 6 | 21.7 Cable strap | 43 Connector (XA1, XA2, XA3) |
| 5 Lockwasher, No. 6 | 21.8 Nameplate | 44 Connector card |
| 6 Capacitor clamp | 22 Screw, panhead, No. 4-40, 3/8 in. long | 45 Terminal block jumper |
| 7 Screw, panhead, No. 4-40, 3/8 in. long | 23 Washer, flat, No. 4 | 46 Jumper |
| 8 Washer, flat, No. 4 | 24 Lockwasher, No. 4 | 47 Jumper |
| 9 Lockwasher, No. 4 | 25 Nut, hex, No. 4 | 48 Screw, panhead, No. 4-40, 5/8 in. long |
| 10 Nut, hex, No. 4 | 26 Connector A4A1J2 | 49 Washer, flat, No. 4 |
| 11 Capacitor (C1) | 27 Screw, panhead, No. 6-32, 1/2 in. long | 50 Lockwasher, No. 4 |
| 12 Screw, panhead, No. 4-40, 3/8 in. long | 28 Washer, flat, No. 6 | 51 Nut, hex, No. 4 |
| 13 Washer, flat, No. 4 | 29 Lockwasher, No. 6 | 52 Clamp bar |
| 14 Lockwasher, No. 4 | 30 Nut, hex, No. 6 | 53 Screw, panhead, No. 6-32, 5/8 in. long |
| 15 Nut, hex, No. 4 | 31 Connector A4A1J1 | 54 Washer, flat, No. 6 |
| 16 Resistor (R2) | 32 Fuse (F1 through F11, F14 through F17) | 55 Lockwasher, No. 6 |
| 17 Screw, panhead, No. 2-56, 3/8 in. long | 33 Fuse (F12, F13) | 56 Nut, hex, No. 6 |
| 18 Washer, flat, No. 2 | 34 Fuse holder (XF1 through XF 17) | 57 Terminal board (TB1) |
| 19 Lockwasher, No. 2 | 35 Screw, panhead, No. 8-32, 3/8 in. long | 58 Marker strip |
| 20 Nut, hex, No. 2 | 36 Washer, flat, No. 8 | 59 Spring |
| 21 Resistor (R1) | 37 Lockwasher, No. 8 | 60 Retaining ring |
| 21.1 Wiring harness | 38 Cable clamp | 61 Fastener |
| 21.2 Terminal lug | 39 Bracket | 62 Wear washer |
| 21.3 Terminal lug | | 63 Shelf |

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Figure 4-14 Punch driver shelf assembly, component location diagram

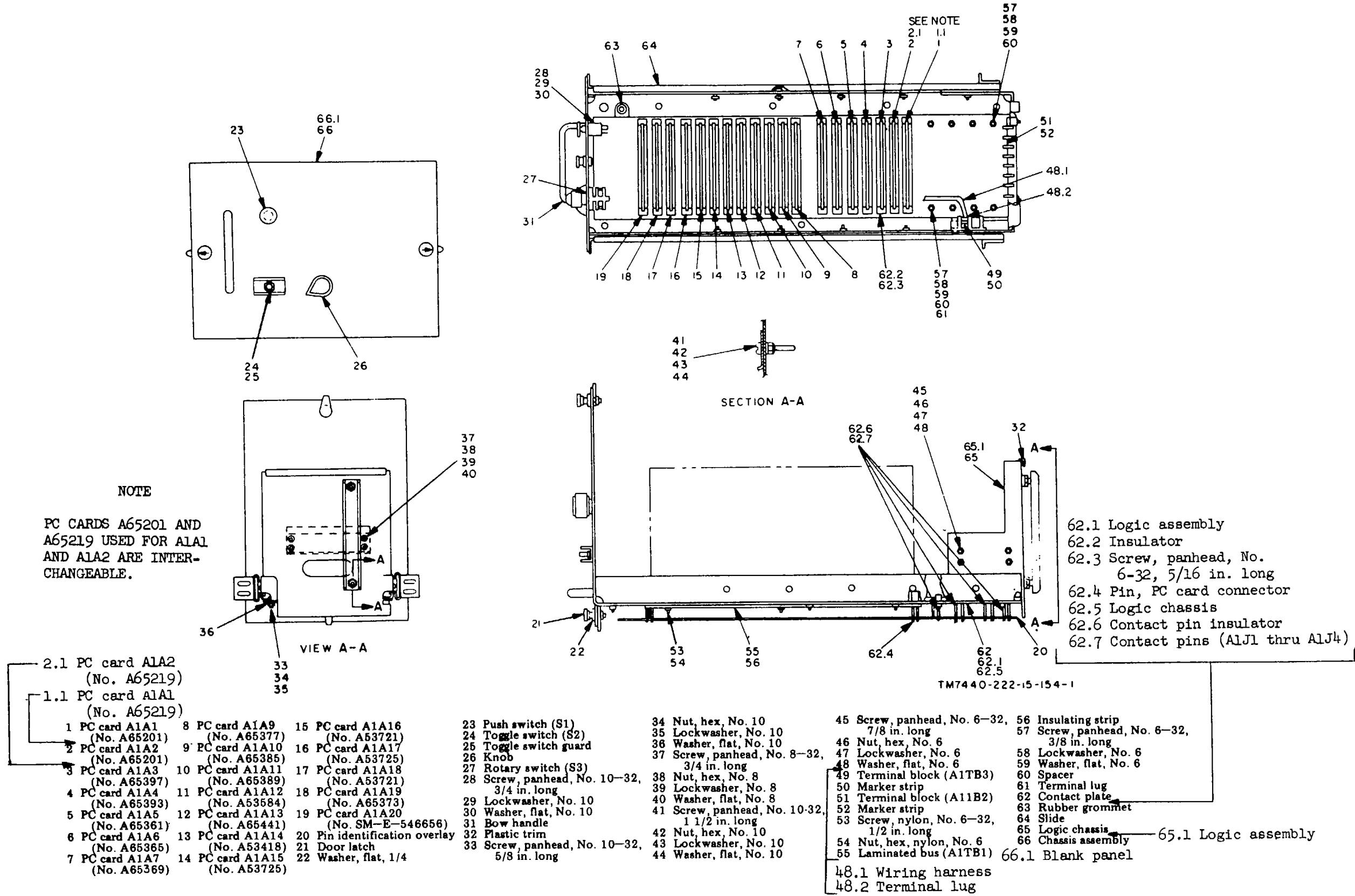


Figure 4-15. Logic assembly, component location diagram.

4-29.1. Removal and Replacement of Blower B1 (fig. 4-10)

a. Removal.

- (1) Remove the grill (33.3, fig. 4-10).
- (2) Disconnect the electrical leads from the Blower B1 (34).
- (3) Remove the 14 screws (30), lockwashers (32), and flat washers (31) and remove blower B1 (34) from the enclosure (35).

- b. Replacement. To replace blower B1, reverse the removal procedure in a above.

4-29.2. Removal and Replacement of Blower B3 (fig. 4-10)

a. Removal.

- (1) Disconnect the electrical leads (152, fig. 4-10) from the blower B3 (166).
- (2) Remove the nut (153), lockwasher (154), flat washer (155), flathead screw (156), and rubber spacer (157).
- (3) Remove the three panhead screws (165), nuts (162), flat washers (164), and lockwashers (163) and remove the blower B3 (166) with duct (161) attached.

- (4) Remove the two screws (158), flat washers (159), and lockwashers (160) and remove the duct (161) from blower B3 (166)

- b. Replacement. To replace blower B3, reverse the removal procedure in a above.

NOTE

If duct (161) or rubber spacer (157) are being replaced with new parts, it will be necessary to drill a 0.140.-inch mounting hole in replacement parts. When drilling holes, position parts so the hole is drilled in horizontal center and duct projects 0.375 (3/8) 0.02 inches below the edge of the flange in the enclosure (35).

4-29.3. Disassembly and Reassembly of Blower B3 (fig. 4-10)

- a. Disassembly. Disassemble the Blower B3 and supporting brackets by following the sequence of index numbers 144 through 181 in figure 4-10.

- b. Reassembly. To reassemble the blower B3 and supporting brackets, reverse the disassembly procedure in a above observing the special requirements outlined in the note shown in paragraph 4-29.4.

Change 6 4-14.2

4-30. Removal and Replacement of Low Speed Printer Interpreter A3 (fig. 4-10)

- a. *Removal.* Remove the four screws (6, fig. 4-10), flat washers (7), and lockwashers (8). Disconnect the connectors and carefully slide low speed printer interpreter (9) out of inclosure (35).
- b. *Replacement.* To replace low speed printer interpreter (9, fig. 4-10), reverse the removal procedure in a above.

NOTE

Disassembly and reassembly of the low speed printer interpreter is described in section VI, this chapter.

4-31. Removal and Replacement of Tape Handler B2 (fig. 4-10)

- a. *Removal.* Remove the six screws (10, fig. 4-10), flat washers (11), and lockwashers (12), and carefully slide tape handler (13) out of inclosure (35).
- b. *Replacement.* To replace tape handler (13, fig. 4-10), reverse the removal procedure in a above.

NOTE

Disassembly and reassembly of the tape handler is described in section V.

CAUTION

Removal of tape handler assembly B2 from its enclosure results in the removal of the hazard ground to the assembly. (Ground is accomplished through metallic contact between tape handler and its enclosure.) Operation of the equipment with tape handler removed from contact with the low speed tape punch presents a potential safety hazard. It is recommended that a permanent hazard ground be provided for the assembly as given in a below.

- c. *Tape Handler Hazard Ground.* Before operating the equipment with tape handler assembly B2 removed from its enclosure, install a permanent hazard ground to the assembly as outlined below.

- (1) Strip approximately one-quarter inch of insulation from each end of a 15-inch length of No. 20 AWG stranded, insulated (green) wire. Tin wire, then secure a terminal lug (MS25036-149) to one end.
- (2) Remove power from low speed tape punch at unit power source.
- (3) Remove the six retaining screws and washers (10, 11, and 12, fig. 4-10) from tape handler assembly B2. Remove assembly far enough from cabinet to afford access to power input plug connection to connector (7, fig. 4-34). Rotate connector counterclockwise and pull the connector plug out; then remove the tape handler assembly.
- (4) Disassemble the connector plug and connect the bare end of the wire prepared in (1) above to the center (unused) screw terminal of the plug. Reassemble the connector plug.
- (5) Remove the rear access panel to the low speed tape punch enclosure. Using one of the ventilation holes in the bottom of the enclosure housing for the tape handler assembly, secure the terminal lug of the ground wire to the enclosure (fig. 4-15.1).
- (6) Reassemble the low speed tape punch and check for proper operation.

4-32. Removal and Replacement of Logic Assembly A1 (fig. 4-10)

- a. *Removal.* Remove logic assembly (14, fig. 4-10) as follows:
 - (1) Open front doors of enclosure (35).
 - (2) Release panel fasteners by rotating knobs until arrow is vertical.
 - (3) Slide logic assembly forward until slides lock in place.
 - (4) Remove the interface connectors.
 - (5) Remove the wires attached to terminal blocks TB2 and TB3.
 - (6) Remove the cable clamps located adjacent to TB2.
 - (7) Remove the bar clamp (2 screws) which holds the cables to the rear surface of the logic assembly. All connecting cables are now free from the logic assembly.
 - (8) Depress the slide stop catches (located midway along each of the top and bottom slide assemblies) and remove the logic assembly from the inclosure.
- b. *Replacement.* To replace logic assembly (14 fig. 4-10), reverse the removal procedure in a above.

4-33. Disassembly and Reassembly of Logic Assembly A1 (fig. 4-15)

- a. *Disassembly.* Disassemble logic assembly (14, fig. 4-10) by following the sequence of index numbers in figure 4-15.
- b. *Reassembly.* To reassemble logic assembly

(14, fig. 4-10), reverse the disassembly procedure in a above.

4-34. Removal and Replacement of Interface Plate Assembly (fig. 4-10)

- a. *Removal.* Remove interface plate assemblies (18, fig. 4-10) as follows:
 - (1) Remove ac power from the paper tape punch.
 - (2) Open the front doors of the reader enclosure (35).
 - (3) Remove the logic assembly from the reader as described in paragraph 4-32.
 - (4) Remove the interface cable to the CCU from terminal strips TB1, TB2, and TB3.
 - (5) Remove cable clamps fastening cables to the interface plate.
 - (6) Remove the four screws which fasten the interface plate to the enclosure.
 - (7) Remove the interface plate (with hanging cable) through the entrance area vacated by the logic assembly.
- b. *Replacement.* To replace interface plate assembly (18, fig. 4-10), reverse the removal procedure in a above.

4-35. Disassembly and Reassembly of Interface Plate Assembly (fig. 4-16)

- a. *Disassembly.* Disassemble interface plate assembly (18, fig. 4-10) by following the sequence of index numbers in figure 4-16.
- b. *Reassembly.* To reassemble interface plate assembly (18, fig. 4-10), reverse the disassembly procedure in a above.

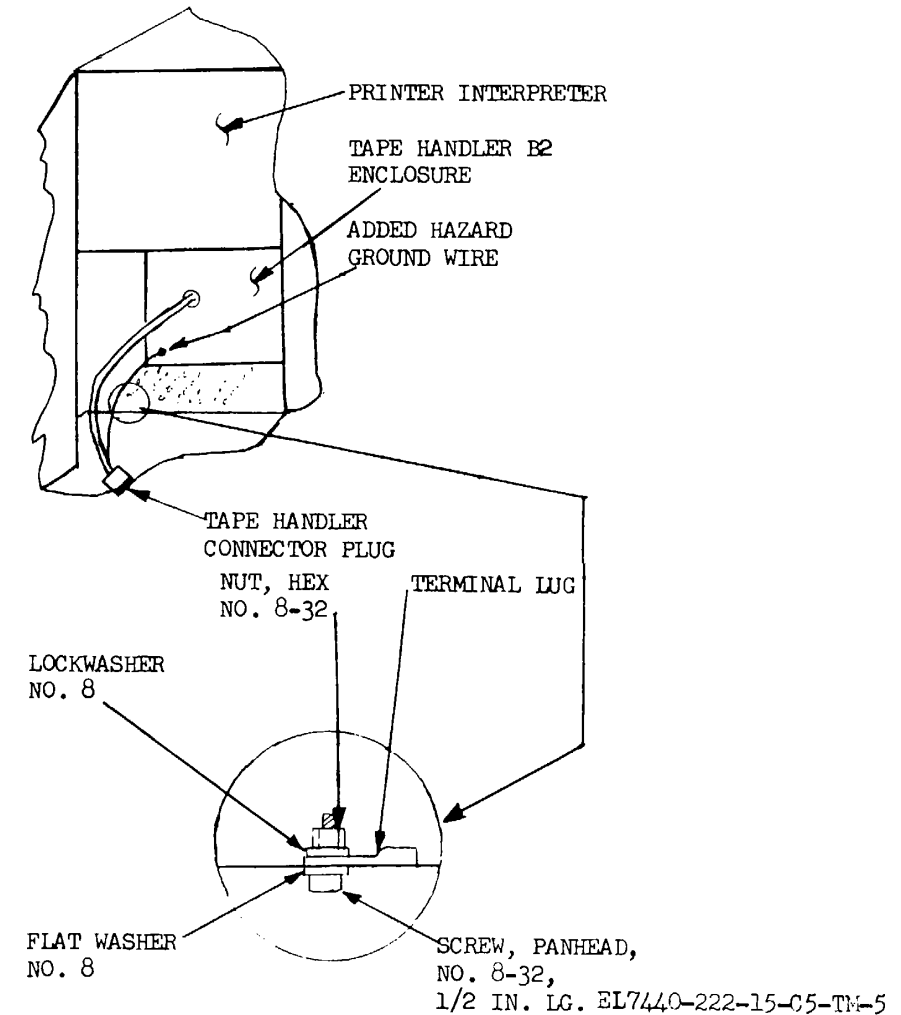
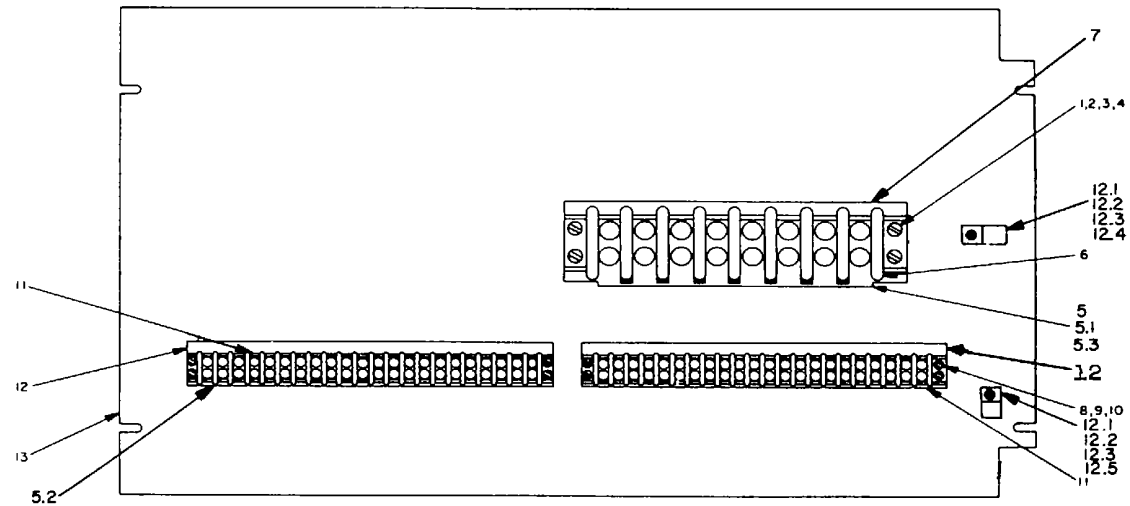


Figure 4-15.1. Tape handler ground wire, installation data.



- | | | | | | |
|-----|--------------------------------------|-----|--|------|----------------------------------|
| 1 | Screw, panhead, No. 8-32, 1 in. Long | 5.3 | Terminal lug | 12 | Marker strip |
| 2 | Nut, hex, No. 8-32 | 6 | Terminal block (TB3) | 12.1 | Screw, panhead #8-32, 5/8 in. lg |
| 3 | Lockwasher, No. 8 | 7 | Marker strip | 12.2 | Lockwasher #8 |
| 4 | Washer, flat, No. 8 | 8 | Screw, panhead, No. 6-32, 5/8 in. long | 12.3 | Flat Washer #8 |
| 5 | Jumper plate | 9 | Nut, hex, No. 6-32 | 12.4 | & 5.5 Cable clamp |
| 5.1 | Terminal lug | 10 | Lockwasher, No. 612 | 13 | Interface plate |
| 5.2 | Terminal lug | 11 | Terminal block (TB1, TB2) | | |

Figure 4-16. Interface plate assembly, component location diagram.

4-36. Removal and Replacement of Power Supply PS1 (fig. 4-10)

Warning:

Use two men to remove power supply (19, fig. 4-10) from enclosure (35). Use extreme care in handling power supply (19), to avoid injury to personnel or damage to equipment, since there are no good grasping areas in the rear of the power supply.

- a. *Removal.* Remove power supplies (19, fig. 4-10) its follows:
 - (1) Remove .ac power from the paper tape
 - (2) Open the front doors of the win closure (35).
 - (3) Rotate the two fastener knobs until the arrows re vertical.
 - (4) Use the two fastener knobs until the arrows are vertical.
 - (5) Remove the external cables from terminal board TB1 and TB2.
 - (6) Remove the cable clamp ;at the rear of the power supply.
 - (7) Depress the slide stop catches on the left and right slide assemblies, pull the power supply off the slides.
- b. *Replacement.* To replace power supply (19, fig. 4-10), reverse the removal procedure in a above.

REMOVAL OF POWER SUPPLY PS1 FOR TROUBLESHOOTING AND REPAIR

CAUTION:

Power unit weighs 70 pounds. This procedure should never be under: taken by less than two persons.

1. Open the circuit breaker supplying power to the equipment. Even with the unit AC POWER switch in the OFF position, 120 VAC is present at the power supply.
2. Depress the power supply assembly slide latches and pull the power supply out to the stops on the slide.
3. Remove the cable clamp on the rear of the power supply which secures the cables connected to the power supply assembly.
4. Depress the power supply slide latches and pull the power supply forward until it is free of the slide.
5. Rotate the power supply assembly 1800 in a counter-clockwise direction 50 the bottom of the chassis is-facing up.
6. Replace the power supply in the slides. Close the power supply far enough to enable the slides to support the assembly. Power can now be applied and the necessary maintenance performed.
7. To restore the power supply to its operating position, ensure the circuit breaker supplying power to the unit is OFF, then reverse the procedures in 1 through 6 above.

NOTE:

When reinstalling the power supply, to the operating position, always rotate power supply in a clockwise direction back to the upright position to prevent twisting the power cables.

4-37. Disassembly and Reassembly of Power Supply PS1 (fig. 4-17)

- a. *Disassembly.* Disassemble power supply (19, fig. 4-10) by following the sequence of index numbers in figure 4-17.

Caution:

When replacing semiconductor components of heatsink subassembly , A,1 A5, or A6 (fig. 5-30 thru 532, reap.), clean mounting surfaces of semiconductor and heatsink chassis and apply a light coat of Dow Corning 340 Silicone Grease to mounting surface before mounting the semiconductor.

- b. *Reassembly.* To reassemble power supply (19, fig. 4-10), reverse the disassembly procedure in a above.

4-38. Removal and Replacement of Power Supply Assembly PS2 (fig. 4-10)

Warning:

Use two men to remove power supply assembly (20, fig. 4-10) from enclosure (35). Use extreme care in handling power supply assembly (20) to avoid injury to personnel or damage to equipment, since there are no good grasping areas in the rear of the power supply assembly.

- a. *Removal.* Remove ac power from paper tape punch. Open front doors of inclosure (35, fig. 4-10). Disconnect cables and remove power supply assembly (20) by carefully sliding it out of inclosure (35) on slide (13, fig. 4-18).
- b. *Replacement.* To replace the power supply assembly (20, fig. 4-10), reverse the removal procedure in a above.

4-39. Disassembly and Reassembly of Power Supply Assembly PS2 (fig. 4-18.1)

- a. *Disassembly.* Disassemble power supply assembly (8, fig. 4-18) by following the sequence of index numbers in figure 4-18.1.

Caution:

When replacing semiconductor components (Q1 Q7, Q12, and Q23 on heatsinks of regulator assemblies (fig. 5-38 through-41), clean mounting surfaces of semi conductor and heatsink chassis and apply a light coat of Dow Corning 340 Silicone Grease to mounting surfaces before mounting tie semiconductor.

- b. *Reassembly.* To reassemble power supply assembly(8, fig. 4-18), reverse tone disassembly procedure in a above. Adjust output voltages as described in paragraph 4-143.

4-40. Removal and Replacement of Power Control Assembly VR1 (fig. 4-18)

- a. *Removal.* Remove the four screws (6, fig. 4-18) and flat washers (7), and carefully lift power control assembly VR1 (8) off chassis (14).
- b. *Replacement.* To replace power control assembly (8, fig. 4-18), reverse the removal procedure in a above.

4-41. Disassembly and Reassembly of Power Control Assembly VR1

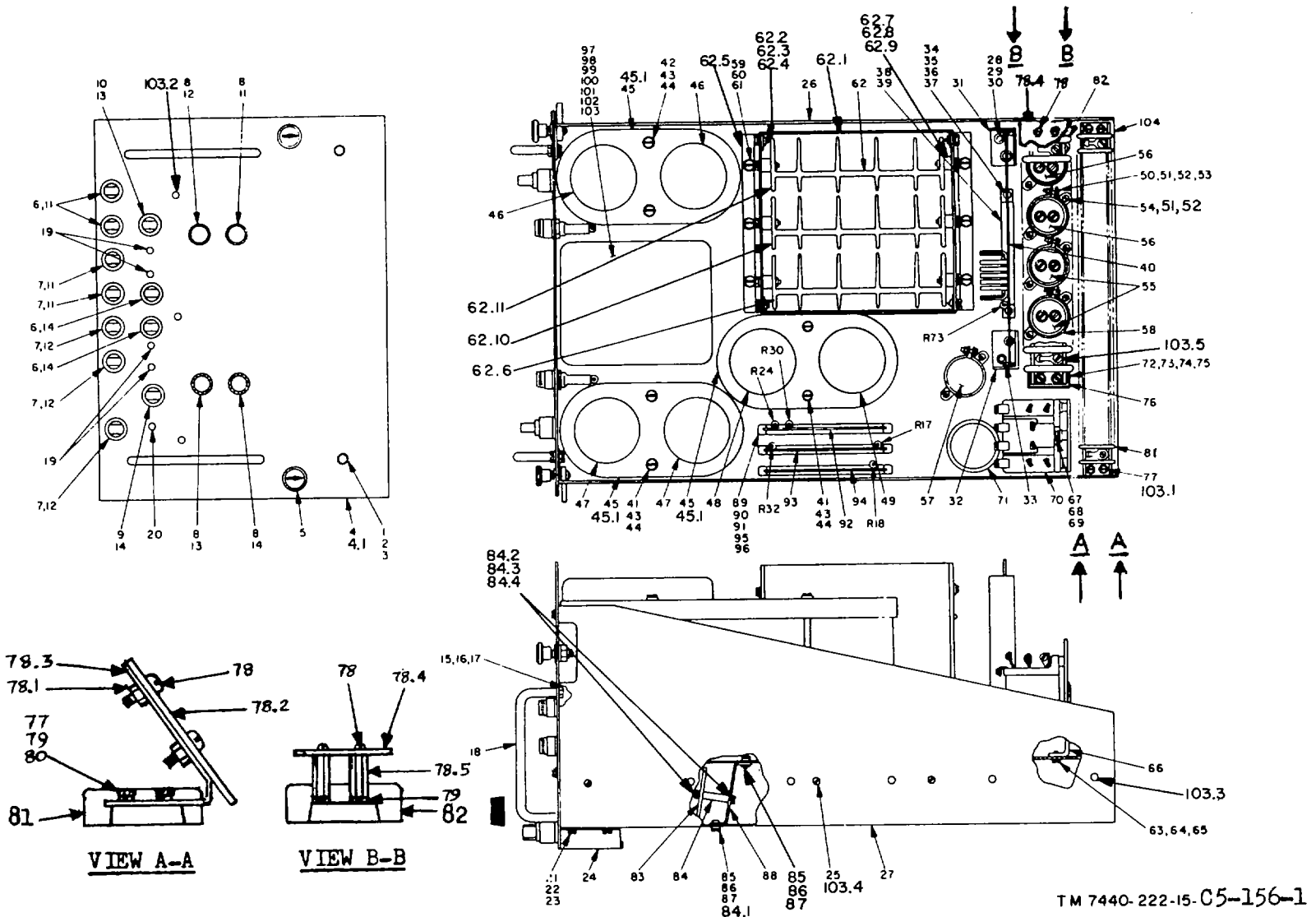
Procedures for disassembly and reassembly of the power control assembly VR1 are obvious upon examination of the assembly. After reassembly or replacement of a defective component, make certain that the circuitry is as shown in figure 4-19.

4-42. Removal and Replacement of Filter Assembly FL1 (fig. 4-10)

- a. *Renewal.* Remove ac power from the paper tape punch. Open front doors of inclosure (35, fig. 4-10). Disconnect the cables, remove the six nuts (26), lockwashers (27), and flat washers (28), and carefully remove filter assembly (29) from inclosure (35).
- b. *Replacement.* To replace filter assembly (29, fig. 4-10) reverse the removal procedure in a above.

4-43. Disassembly and Reassembly of Filter Assembly FL1 (fig. 4-20)

- a. *Disassembly.* Disassemble filter assembly (29, fig. 4-10) by following the sequence of index numbers in figure 420.
- b. *Reassembly.* To reassemble filter assembly (29, fig. 4-10), reverse the disassembly procedure in a above.



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- | | | | |
|--|---|---|---|
| <p>1 Screw, hex head, No. 8-32, 1 in. long</p> <p>2 Lockwasher, No. 8</p> <p>3 Washer, flat, No. 8</p> <p>4 Front panel assembly (A10)</p> <p>4.1 Front Panel</p> <p>5 Latch</p> <p>6 Fuse holder (XF2, +12V; XF3, -12V; XF9, LAMP; and XF10, LAMP)</p> <p>7 Fuse holder (XF5, PWR, SUP INPUT; XF7, FAN; XF8, DRIVE MOT; XF11, VR1; and XF12; REEL MOT)</p> <p>8 Fuse holder (spares)</p> <p>9 Fuse holder (XF4, -48V)</p> <p>10 Fuse holder (XF1, +4.75V)</p> <p>11 Fuse, 3 amp slo blo (F7, FAN; F9, LAMP; F10, LAMP; F11, VR1; and spare)</p> <p>12 Fuse, 10 amp, slo blo (F5, PWR SUP INPUT; F8, DRIVE MOT; F12, REEL MOT; and spare)</p> <p>13 Fuse, 15 amp, fast blo (F1, +4.75V and spare)</p> <p>14 Fuse, 10 amp, fast blo (F2, +12V; F3, -12V; F4, -48V; and spare)</p> <p>15 Screw, hex head, No. 10-32, 5/8 in. long</p> <p>16 Lockwasher, No. 10</p> <p>17 Washer, flat, No. 10</p> <p>18 Handle</p> <p>19 Test point jack (TP2 thru TP5)</p> <p>20 Test point jack (TP1)</p> <p>21 Screw, hexhead, No. 6-32, 3/8 in. long</p> <p>22 Lockwasher, No. 6</p> <p>23 Washer, flat, No. 6</p> <p>24 Fuse cover</p> <p>25 Screw, flathead, No. 6-32, 1/8 in. long</p> <p>26 Side plate, left-hand</p> <p>27 Side plate, right-hand</p> | <p>28 Screw, hex head, No. 8-32, 3/8 in. long</p> <p>29 Lockwasher, No. 8</p> <p>30 Washer, flat, No. 8</p> <p>31 Sequence module bracket, left-hand</p> <p>32 Sequence module bracket, right-hand</p> <p>33 Card guide</p> <p>34 Screw, hex head, No. 4-40, 1/2 in. long</p> <p>35 Lockwasher, No. 4</p> <p>36 Washer, flat, No. 4</p> <p>37 Nut, hex, No. 4-40</p> <p>38 Polarization key</p> <p>39 Electrical receptacle connector (A9J4)</p> <p>40 Sequence module component board assembly (A12)</p> <p>41 Screw, hex head, No. 10-32, 5 in. long</p> <p>42 Screw, hex head, No. 10-32, 6 3/8 in. long</p> <p>43 Lockwasher, No. 10</p> <p>44 Washer, flat, No. 10</p> <p>45 Capacitor nest</p> <p>45.1 Insulator</p> <p>46 Capacitor, 82,000 μf, 15 vdc (A9C2, A9C3)</p> <p>47 Capacitor, 44,000 μf, 25 vdc (A9C4, A9C5)</p> <p>48 Capacitor, 8700 μf, 100 vdc (A9C6)</p> <p>49 Capacitor, 1500 μf, 75 vdc (A9C1)</p> <p>50 Screw, hex head, No. 6-32, 3/8 in. long</p> <p>51 Washer, flat, No. 6</p> <p>52 Lockwasher, No. 6</p> <p>53 Nut, hex, No. 6-32</p> <p>54 Screw, hex head, No. 6-32, 3/8 in. long</p> <p>55 Capacitor, 9200 μf, 10 vdcw (A9C7, A9C11)</p> <p>56 Capacitor, 4600 μf, 20 vdcw (A9C8, A9C9)</p> | <p>57 Capacitor, 1200 μf, 75 vdcw (A9C10)</p> <p>58 Capacitor bracket</p> <p>59 Screw, hex head, No. 6-32 3/8 in. long</p> <p>60 Lockwasher, No. 6</p> <p>61 Washer flat, No. 6</p> <p>62 Heatsink assembly (A11)</p> <p>62.1 End plate</p> <p>62.2 Screw, panhead, No. 6-32, 1/2 in. long</p> <p>62.3 Lockwasher, No. 6</p> <p>62.4 Washer, flat, No. 6</p> <p>62.5 Side cover</p> <p>62.6 Heatsink assembly (A4)</p> <p>62.7 Screw, panhead, No. 6-32, 7/8 in. long</p> <p>62.8 Lockwasher, No. 6</p> <p>62.9 Washer, flat, No. 6</p> <p>62.10 Heatsink assembly (A5)</p> <p>62.11 Heatsink assembly (A6)</p> <p>63 Screw, hex head, No. 8-32, 3/8 in. long</p> <p>64 Lockwasher, No. 8</p> <p>65 Washer, flat, No. 8</p> <p>66 Relay bracket</p> <p>67 Screw, hex head, No. 8-32, 3/8 in. long</p> <p>68 Lockwasher, No. 8</p> <p>69 Washer, flat, No. 8</p> <p>70 Relay, 24 vdc (A9K1)</p> <p>71 Grommet</p> <p>72 Screw, hex head, No. 6-32, 3/8 in. long</p> <p>73 Lockwasher, No. 6</p> <p>74 Washer, flat, No. 6</p> <p>75 Terminal board bracket</p> <p>76 Spacer</p> <p>77 Screw, hex head, No. 6-32, 3/8 in. long</p> <p>78 Screw, hex head, No. 6-32, 3/8 in. long</p> <p>79 Lockwasher, No. 6</p> | <p>80 Washer, flat, No. 6</p> <p>81 Terminal board (TB1)</p> <p>82 Terminal board (TB2)</p> <p>83 Component board assembly (A15)</p> <p>84 Spacer</p> <p>84.1 Nut, hex., No. 6-32</p> <p>84.2 Screw, panhead, No. 6-32, 5/16 in. long</p> <p>84.3 Lockwasher, No. 6</p> <p>84.4 Washer, flat, No. 6</p> <p>85 Screw, hex head, No. 6-32, 3/8 in. long</p> <p>86 Lockwasher, No. 6</p> <p>87 Washer, flat, No. 6</p> <p>88 Connector bracket assembly (A14)</p> <p>89 Screw, hex head, No. 4-40, 3/16 in. long</p> <p>90 Lockwasher, No. 4</p> <p>91 Washer, flat, No. 4</p> <p>92 Component board assembly (A1)</p> <p>93 Component board assembly (A2)</p> <p>94 Component board assembly (A3)</p> <p>95 Electrical receptacle connector (A9J1, A9J2, A9J3)</p> <p>96 Polarization keys</p> <p>97 Nut, hex, No. 10-32</p> <p>98 Lockwasher, No. 10</p> <p>99 Washer, flat, No. 10</p> <p>100 Nut, hex, 1/4-28</p> <p>101 Lockwasher, 1/4</p> <p>102 Washer, flat, 1/4</p> <p>103 Power transformer (A9T1)</p> <p>103.1 Clinch fastener, No. 6-32</p> <p>103.2 Clinch fastener, No. 8-32</p> <p>103.3 Clinch fastener, No. 10-32</p> <p>103.4 Clinch fastener, No. 6-32</p> <p>103.5 Eylet</p> <p>104 Cnassis</p> |
|--|---|---|---|

- 78.1 Hex nut, No. 6-32
- 78.2 Shield
- 78.3 Bracket
- 78.4 Shield assembly
- 78.5 Standoff

Figure 4-17. Power supply, component location diagram.

4-43.1 Removal and Replacement of Voltage Regulator VR1

a. *Removal.* Remove the voltage regulator (34.4, fig. 4-10) as follows:

- (1) Remove the A.C. input cable from VR1TB1, terminals 1, 2, and 4.
- (2) Remove the A.C. output cable from VR1TB1, terminals 2, 3, and 4.

NOTE

Tag wires for identification when the voltage regulator is replaced.

(3) Remove four screws (34.1, fig. 4-10), lockwashers, (34.2) and flat washers (34.3). The voltage regulator is now free of its mounting and can be lifted out of the enclosure.

b. *Replacement.* Replace the voltage regulator in the reverse order of removal in a above.

4-43.2 Disassembly and Reassembly of Voltage Regulator VR1

a. *Disassembly.* The voltage regulator is composed of electrical components and associated mounting hardware which will never be completely disassembled in the manner of a mechanical device. Therefore, complete disassembly instructions are not provided. In general, refer to figure 4-19.1 and proceed as follows:

(1) Remove the hardware (nuts, screws, flat washers, lockwashers, etc.) that is necessary to disassemble the desired part of the voltage regulator.

(2) If necessary, identify each part removed with its corresponding index number to prevent loss or mixing with other parts.

b. *Reassembly.* Replace the hardware removed in a above as shown in figure 4-19.1.

4-43.3 Removal and Replacement of Motor Stop Assembly A5 (figs. 4-10 and 4-19)

a. *Removal.* To remove the motor stop assembly A5 (127, fig. 4-10) from the enclosure (35), perform the following:

- (1) Remove PC card A5A1 (143).
- (2) Remove relay cover (19, fig. 4-19) by removing the two screws and washers (17 and 18).
- (3) Remove the cable assembly A5W101 (25) from the motor stop assembly following the procedures outlined in paragraph 4-43.5a (1).
- (4) Remove the three screws, washers, and lockwashers (123, 124, and 125, fig. 4-10).

b. *Replacement.* Replace the motor stop assembly in the reverse order of the removal procedures in a above.

4-43.4 Disassembly and Reassembly of the Motor Stop Assembly A5 (fig. 4-19)

a. *Disassembly.* Disassemble the motor stop assembly by following the sequence of index numbers in figure 4-19.

b. *Reassembly.* To reassemble the motor stop assembly, reverse the disassembly procedures in a above.

CAUTION

Before replacing relays A5K1 and A5K2 (22, fig. 4-19), coat the base of the relay with a thin coat of silicon grease (FSN 5970-933-9155).

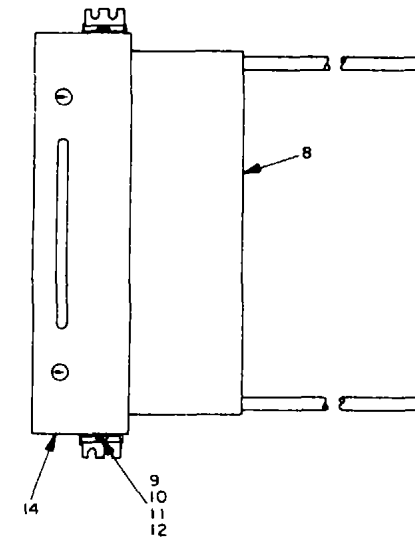
4-43.5 Removal and Replacement of Motor Stop Cable Assembly A5W101 (figs. 4-10, 4-19, and 4-19.2)

CAUTION

Prior to disconnecting any wire in the following procedures, identify the wire and its destination to insure proper replacement.

a. *Removal.*

- (1) Remove cable assembly from the motor stop assembly A6 as follows:
 - (a) Remove the two cable clamps (4 and 5, fig. 4-19) by removing two nuts, washers, and lockwashers (1, 2, and 3).
 - (b) Disconnect the wires from terminals E1. through E5 by removing the five nuts, washers, and lockwashers (1, 2, and 3).
 - (c) Remove PC card connector (10) from mounting frame (46) by removing two screws and washers (7, 8, and 9).
 - (d) Disconnect the wiring to the elapsed time meter M1 (15) by pulling spade receptacles (19, fig. 4-19.2) and insulator pods (20) from the meter terminals. This step is applicable only on those motor stop assemblies having time meter installed.
 - (e) Disconnect the wiring with terminal



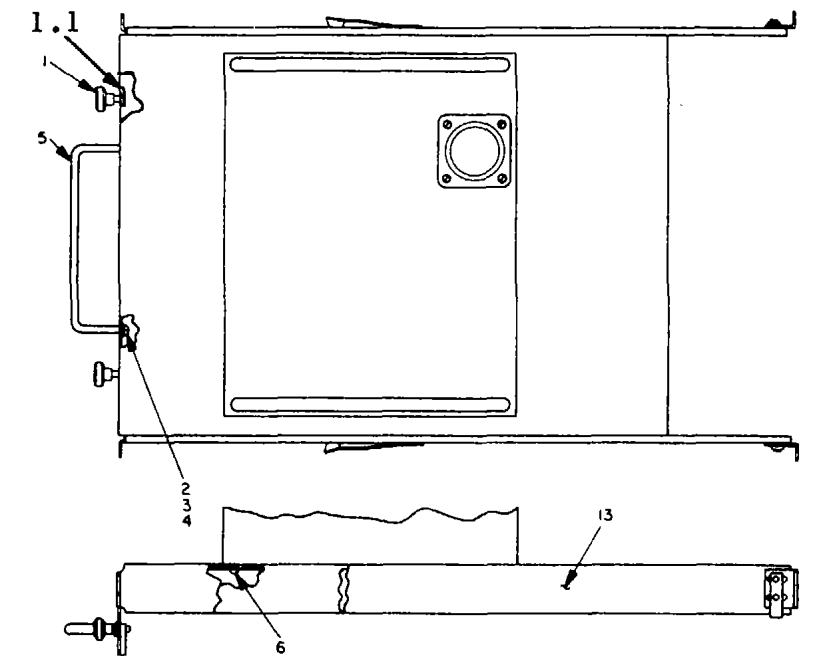
NOTES:

NOTES:

1. Motor stop modification MWO 11-7440-222-30-1/NAVELEX 0967-324-0220/TCTO 31W4-2G-508 changed the voltage output of the assembly as follows:

Without motor stop assembly, PC card 190-3591-4 is adjusted to -4.75 VDC (refer to para. 4-143).

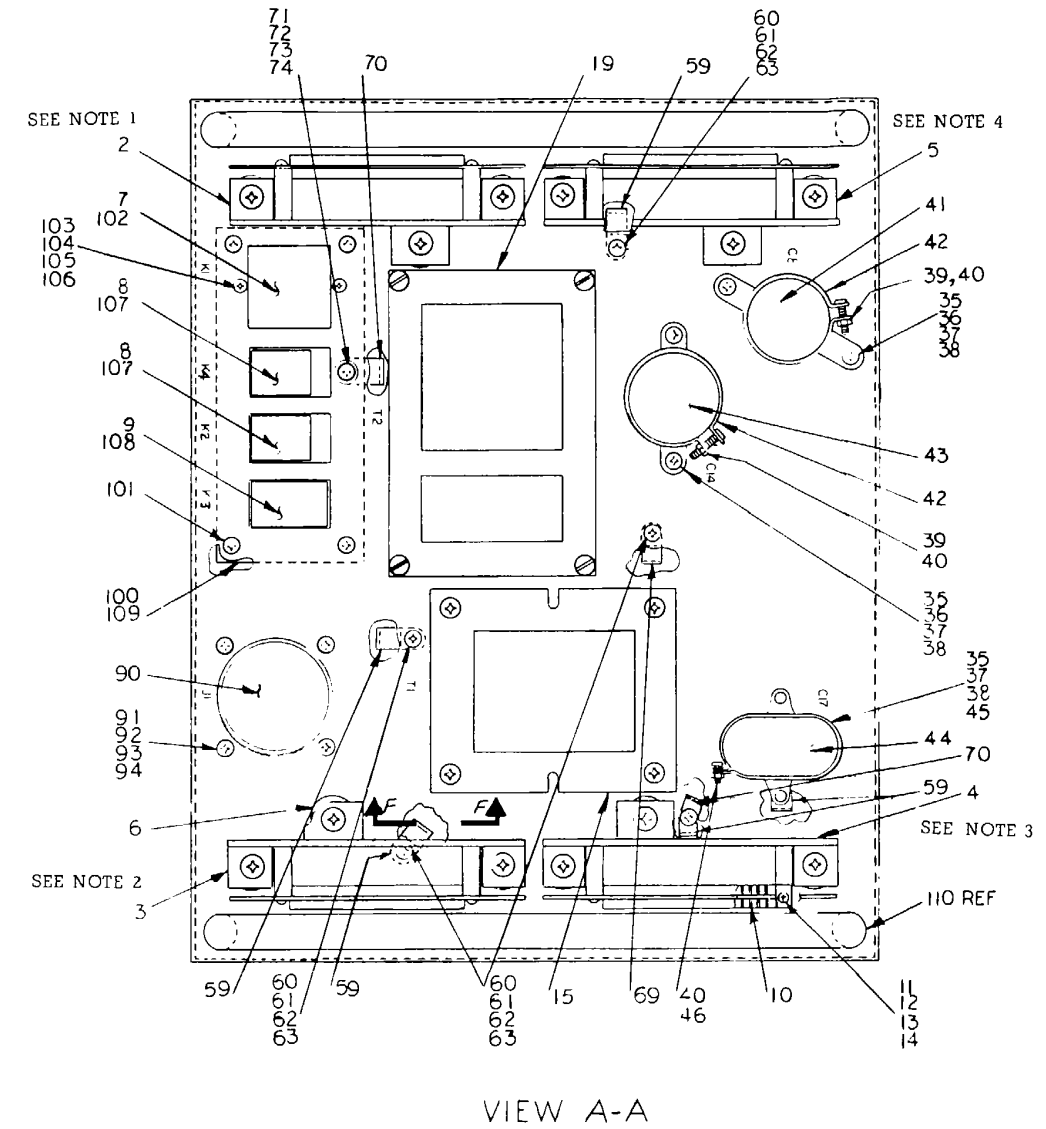
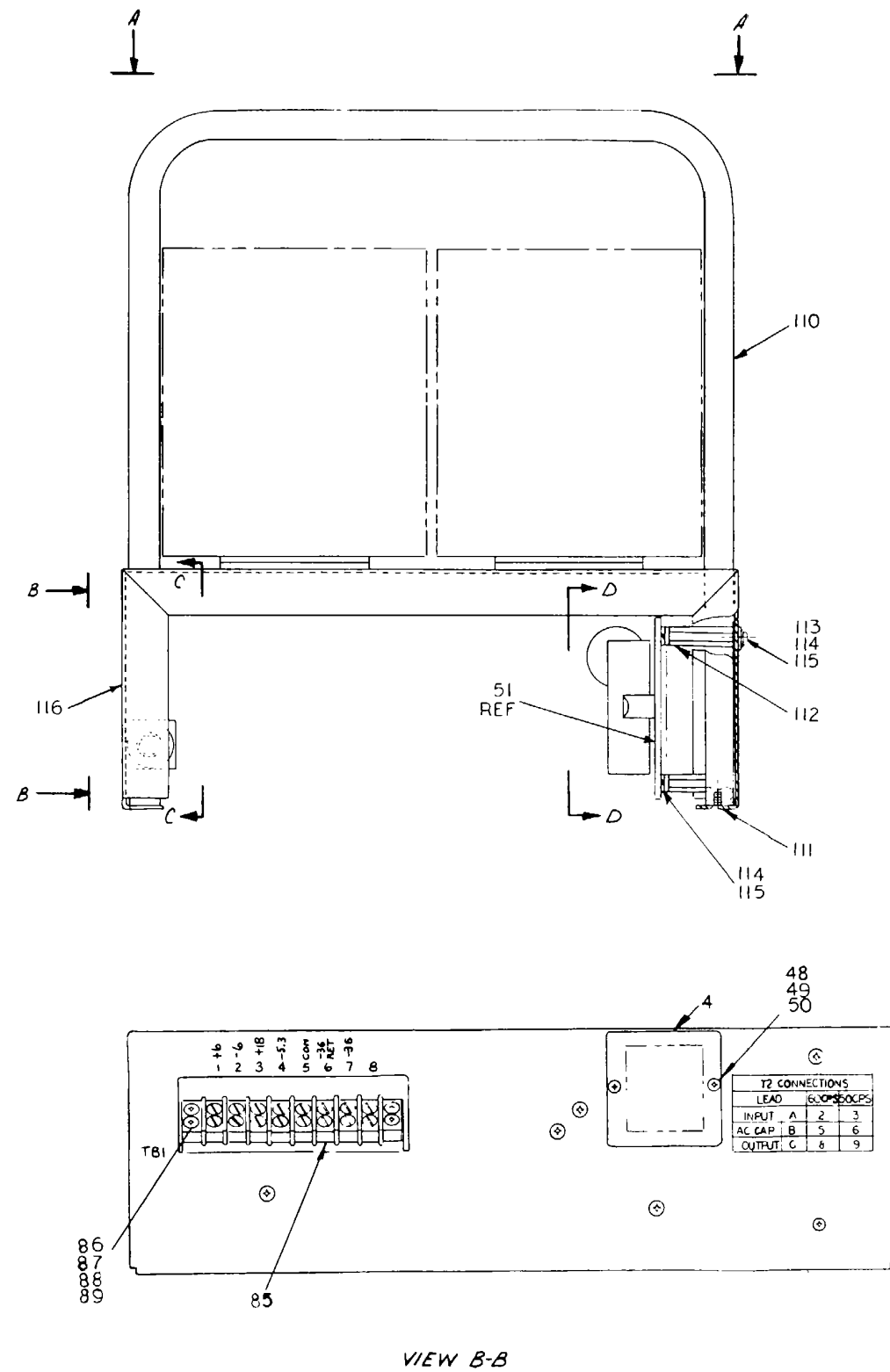
With motor stop assembly (MWO 11-7440-222-30-1/NAVELEX 0967-324-0220/TCTO 31W4-2G-508), PC card 41-000004-1 is adjusted to -5.3 VDC (refer to para. 4-143).
2. When replacing PC card 41-000004-1, order PC card 12-890143-001 (refer to Appx D).



TM 7440-222-15-C5-157

- | | |
|---|--|
| <ul style="list-style-type: none"> 1 Door latch 1.1 Washer, flat 1/4 in. 2 Screw, panhead, No. 10-32, 5/8 in. Long 3 Lockwasher, No. 10 4 Washer, flat, No. 10 5 Bow handle 6 Screw, flathead, No. 10-32, 1/2 in. Long 7 Not used | <ul style="list-style-type: none"> 8 Power supply assembly PS2 9 Screw, panhead, No. 10-32, 7/16 in. Long 10 Nut, hex., No 10 11 Lockwasher, No. 10 12 Washer, flat, No. 10 13 Slide 14 Chassis |
|---|--|

Figure 4-18. Power supply assembly, component location diagram.



- NOTES:
1. PC CARDS 12-890140-002 AND 190-3591-3 (-18V REG.) ARE SIMILAR AND DIRECTLY INTERCHANGEABLE.
 2. PC CARDS 12-890141 -00 2 AND 190-3591-1 (+6V REG.) ARE SIMILAR AND DIRECTLY INTERCHANGEABLE.
 3. PC CARDS 12-89014Z-002 AND 190-3591-2 (-6V REG.) ARE SIMILAR AND DIRECTLY INTERCHANGEABLE.
 4. PC CARDS 12-890143-001 AND 41-000004-1 (-5. 3V REG.) ARE IDENTICAL AND DIRECTLY INTERCHANGEABLE.
PC CARD 190-3591-4 (-4, 75V REG.) IS USED ONLY IN UNITS NOT MODIFIED BY MWO 11-7440-222-30-1/ NAVELEX 0967-324-0220/TC TO 31W4-2G-508 AND IS NOT INTERCHANGEABLE(REFER TO FIG. 5-41 FOR IDENTIFICATION OF DIFFERENCES) . ALSO REFER TO NOTES IN FIG. 4-1 9 FOR ADDITIONAL INFORMATION.
 5. COMPONENT BOARD ASSEMBLY 00-001660-002 AND 190-3616-1 (-36V SUPPLY) ARE SIMILAR AND DIRECTLY INTERCHANGEABLE .

TM 7440-222-15-280 (1)

Figure 4-18.1(1) Power supply PS2, component location diagram (sheet 1 of 2).

1	Terminal lug	59	Cable clamp
2	Circuit card assembly -18 volt (fig. 5-38)	60	Nut, hex., No. 6-32
3	Circuit card assembly +6 volt (fig. 5-39)	61	Screw, panhead, No. 6-32, 1/2 in. lg.
4	Circuit card assembly -6 volt (fig. 5-40)	62	Lockwasher, No. 6
5	Circuit card assembly -5.3 (fig. 5-41)	63	Washer, flat, No. 6
6	Well nut, No. 10-32	64	Cable clamp
7	Relay K1	65	Nut, hex., No. 6-32
8	Relay K2, K4	66	Screw, panhead, No. 6-32, 3/8 in. lg.
9	Relay K3	67	Lockwasher, No. 6
10	Connector receptacle J2, J3, J4, J5	68	Washer, flat, No. 6
11	Screw, panhead, No. 4-40, 5/8 in. lg.	69	Cable clamp
12	Nut, hex., self-locking, No. 4-40	70	Cable . clamp
13	Lockwasher, No. 4	71	Nut, hex., No. 6-32
14	Washer, flat, No. 4	72	Screw, panhead, No. 6-32, 1/2 in. lg.
15	Transformer T1	73	Lockwasher, No. 6
16	Nut, hex., No. 8-32	74	Washer, flat, No. 6
17	Lockwasher, No. 8	75	Cable clamp
18	Washer, flat, No. 8	76	Nut, hex., No. 6-32
19	Transformer T2	77	Screw, flathead, No. 6-32, 7/16 in. lg.
20	Terminal lug, int. tooth, No. 8	78	Lockwasher, No. 6
21	Resistor, 200 ohms, 25 watt, R60	79	Washer, flat, No. 6
22	Resistor, 10 ohms, 25 watt, R61	80	Terminal block TP1
23	Threaded stud, No. 8-32	81	Nut, hex., No. 4-40
24	Nut, hex., No. 8-32	82	Screw, flathead, No. 4-40, 5/8 in. lg.
25	Lockwasher, No. 8	83	Lockwasher. No. 4
26	Insulator, mica	84	Washer, flat, No. 4
27	Insert, cup type	85	Terminal block TB1
28	Resistor mounting bracket	86	Nut, hex., No. 6-32
29	Nut, hex., No. 6-32	87	Screw, panhead, No. 6-32, 5/8 in. lg.
30	Screw, flathead, No. 6-32, 7/16 in. lg.	88	Lockwasher, No. 6
31	Washer, flat, No. 6	89	Washer, flat, No. 6
32	Lockwasher, No. 6	90	Connector receptacle J1
33	Capacitor, 3200 Of, C2	91	Nut, hex., No. 6-32
34	Capacitor clamp	92	Screw, panhead, No. 6-32, 5/8 in. lg.
35	Nut, hex., No. 6-32	93	Washer, flat, No. 6
36	Screw, panhead, No. 6-32, 3/8 in. lg.	94	Lockwasher, No. 6
37	Washer, flat, No. 6	95	Wiring harness
38	Lockwasher, No. 6	96	Terminal lug, int. tooth, No. 6
39	Screw, panhead, No. 6-32, 5/8 in. lg.	97	Nut, hex., No. 6-32
40	Nut, hex., self-locking, No. 6-32	98	Screw, panhead, No. 6-32, 1/2 in. lg.
41	Capacitor, 1500 \$f, C8	99	Washer, flat, No. 6
42	Capacitor clamp	100	Relay bracket
43	Capacitor, 14000 µf, C14	101	Screw, panhead, No. 6-32, 1/2 in. lg.
44	Capacitor, 1 Af, C17	102	Relay socket XK1
45	Capacitor clamp	103	Nut, hex., No. 4-40
46	Screw, panhead, No. 6-32, 1/2 in. lg.	104	Screw, panhead, No. 4-40, 3/8 in. lg.
47	Nameplate	105	Washer, flat, No. 4
48	Screw, panhead, No. 4-40, 3/8 in. lg.	106	Lockwasher, No. 4
49	Nut, hex., No. 4-40	107	Relay socket XK2, XK4
50	Lockwasher, No. 4	108	Relay socket XK3
51	Component board assembly, -36 volt (fig. 5-42)	109	Relay mounting plate
52	Screw, panhead, No. 6-32, 1/2 in. lg.	110	Handle
53	Lockwasher, No. 6	111	Screw. flathead, No. 8-32, 3/8 in. lg.
54	Washer, flat, No. 6	112	Spacer, sleeve, threaded, No. 6-32
55	Cable clamp	113	Screw, panhead, No. 6-32, 1/2 in. lg.
56	Nut, hex., No. 6-32	114	Lockwasher, No. 6
57	Lockwasher, No. 6	115	Washer, flat, No. 6
58	Washer, flat, No. 6	116	Chassis

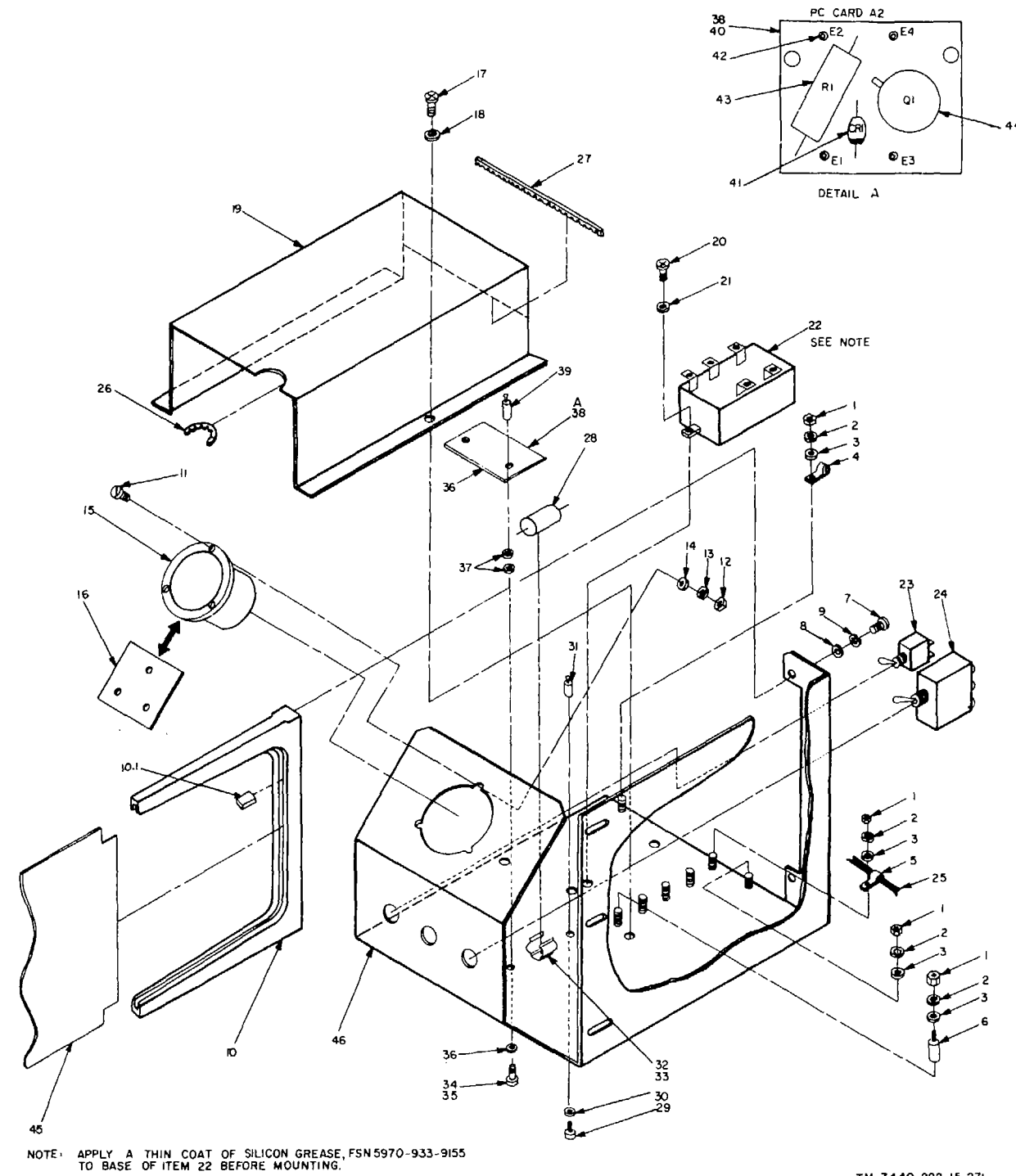


Figure 4-19. Motor stop assembly (A5), exploded view.

- | | | |
|---|---|---|
| 1 Nut, hex, No. 8-32 | 16 Meter cover plate ^b | 32 Rivet |
| 2 Lockwasher, No. 8 | 17 Screw, panhead, No. 6-32, 3/8 in. long | 33 Capacitor mounting clip |
| 3 Washer, flat, No. 8 | 18 Washer, flat, No. 6 | 34 Screw, panhead, No. 6-32, 1/2 in. long ^a |
| 4 Cable clamp | 19 Relay cover | 35 Screw, panhead, No. 6-32, 1/4 in. long ^a |
| 5 Cable clamp | 20 Screw, panhead, No. 6-32, 1/2 in. long | 36 Lockwasher, No. 6 |
| 6 Insulated standoff, No. 8-32 (E2, E3, E4, E5) | 21 Washer, flat, No. 6 | 37 Washer, fiber, .144 in. i.d. ^a |
| 7 Screw, panhead, No. 6-32, 3/8 in. long | 22 Relay (K1, K2) | 38 Meter driver PC card No. 12-890129-1 (A2) ^a |
| 8 Washer, flat, No. 6 | 23 Toggle switch (S1) | 39 Insulated standoff (E6, E9) |
| 9 Lockwasher, No. 6 | 24 Toggle switch (S2, S3) | 40 Printed circuit board ^a |
| 10 PC card connector insulator (XA1) | 25 Cable assembly (W101, see fig. 4-19.2) | 41 Diode (A2CR1) ^a |
| 10.1 Key, polarizing | 26 Grommet | 42 Terminal (A2E1-E4) ^a |
| 11 Screw, panhead, No. 6-32, 1/2 in. long | 27 Grommet | 43 Resistor (A2R1) ^a |
| 12 Nut, hex, No. 6-32 | 28 Capacitor (C1, C2) | 44 Transistor (A2Q1) ^a |
| 13 Lockwasher, No. 6 | 29 Screw, panhead, No. 6-32, 1/4 in. long | 45 Motor stop PC card No. 12-890096-2 (A1) |
| 14 Washer, flat, No. 6 | 30 Lockwasher, No. 6 | 46 Mounting frame |
| 15 Elapsed time meter (M1) ^a | 31 Insulated standoff (E7, E8) | |

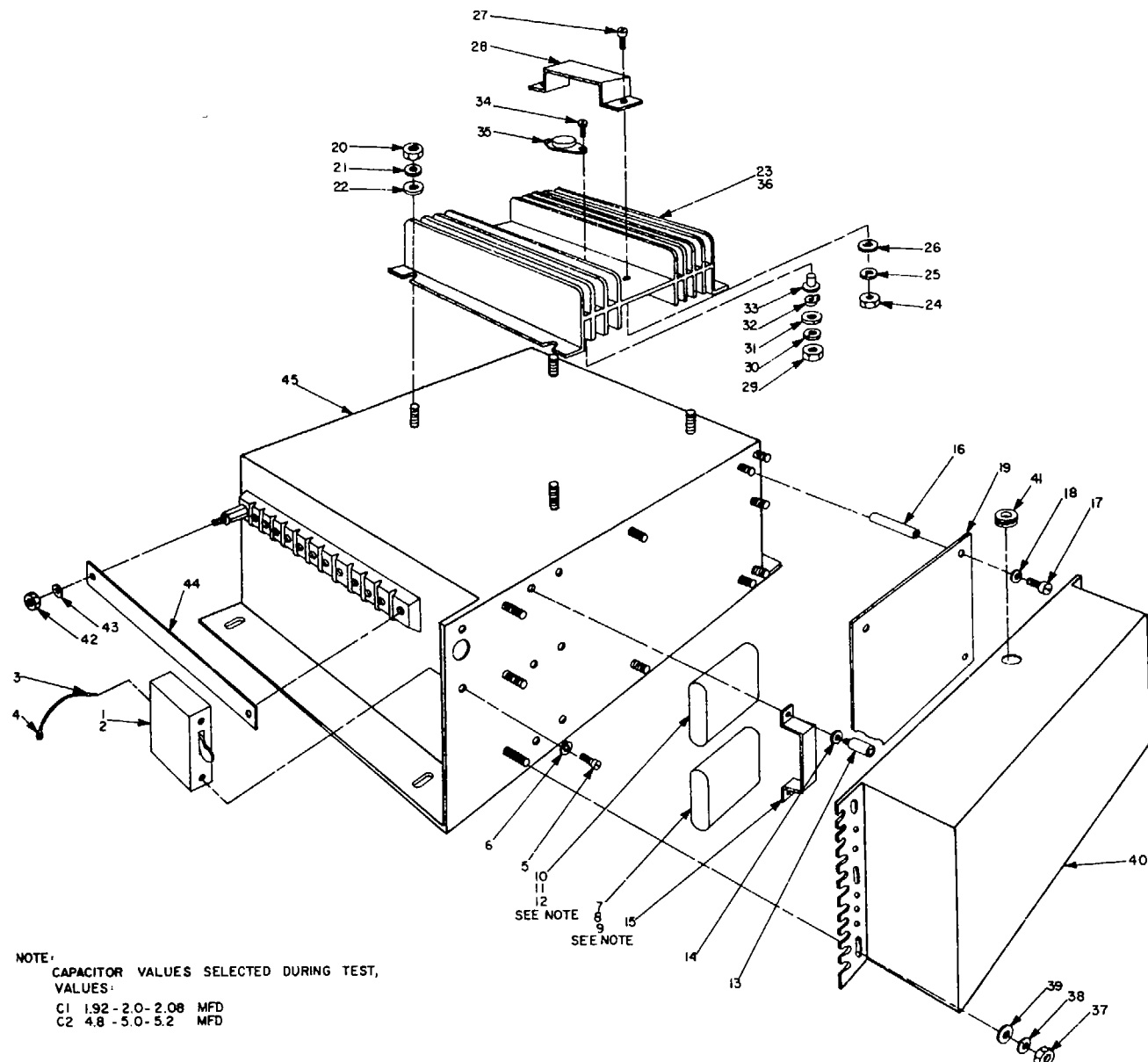
^a Item included only on motor stop assembly 00-001563-5 (with time meter).
^b Item included only in motor stop assembly 00-001563-6 (without time meter).

Figure 4-19-Continued.

- lugs (18) from the relays A5K1 and A5K2 (22, fig. 4-19) and switches A5S2 and A5S3 (24).
- (f) Unsolder wires to switch A5S1 (23) or remove switch A5S1 from mounting frame (46).
 - (2) Remove the cable assembly from the paper tape punch enclosure as follows:
 - (a) Disconnect connector plug A5W101P2A (26, fig. 4-19.2) from jack A4A1J2 on the perforator solenoid drive assembly.
 - (b) Disconnect connector plug W1P2 (98, fig. 4-10) from connector plug A5W101J2A (25, fig. 4-19.2).
 - (c) Remove the connector plug A5W101J2A from the connector bracket (128, fig. 4-10) by removing the four screws, nuts, washers, and lockwashers (134, 136, 137, and 138).
 - (d) Remove the four cable clamps (129 and 130) securing the cable to the enclosure by removing the screws (123) and flat washers (124). In addition, remove any cable tie wraps (131) securing the motor stop cable assembly to other cables routed through the enclosure.
 - (e) Disconnect the motor stop cable assembly wiring from power supply PS1 terminal blocks TB1 and TB2.
 - (f) Remove the two cable clamps (133) and the cable bar clamp (119) securing the motor stop cable assembly to the logic assembly A1.
 - (g) Remove contact assembly P4 (A1J4) (39) from the logic assembly. Using a contact removal tool (National Connector No. T-5116 part of the AUTODIN DST general tool kit), remove electrical contacts (40, fig. 4-19.2), from terminals U, V, W, X, Y, Z, and 23 of contact assembly P4(A1J4).
 - (h) Disconnect the connector plug P2 (100, fig. 4-10) from the printer interpreter assembly jack A3J2. Remove the cable straps (54) securing the nameplate (55) to the cable. Disassemble the connector P2 and unsolder motor stop cable assembly wires to terminals C, M, V, and W.
 - (i) Remove the cable from the enclosure.
 - b. *Replacement.* Replace the motor stop cable assembly A5W101 in the reverse order of the removal procedures in a above. After assembly, refer to figure 8-3.1, interconnection diagram, and use an ohmmeter to check for continuity of wiring in the motor stop cable assembly.

4-43.6 Disassembly and Reassembly of Motor Stop Cable Assembly A5W101 (fig. 4-19.2)

- a. *Disassembly.* Disassemble the motor stop cable assembly by following the sequence of index numbers in figure 4-19.2.
- b. *Reassembly.* To reassemble the motor stop cable assembly, reverse the disassembly procedures in a above.

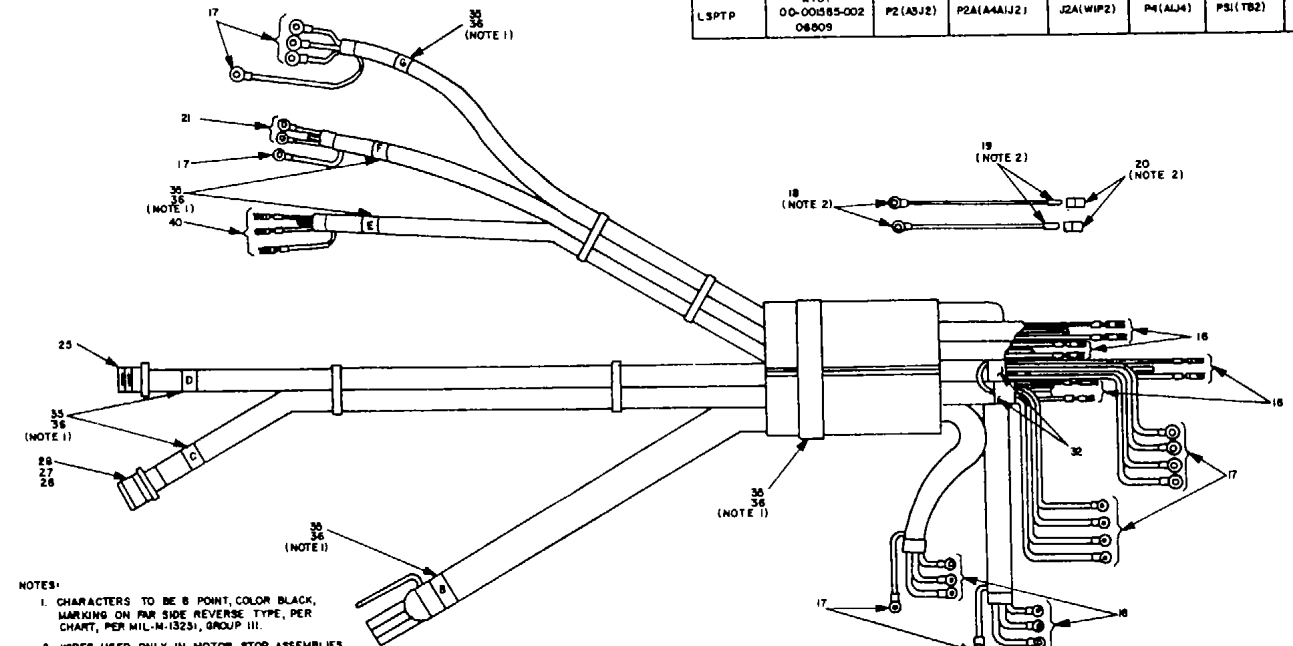


NOTE:
CAPACITOR VALUES SELECTED DURING TEST,
VALUES:
C1 1.92-2.0-2.08 MFD
C2 4.8-5.0-5.2 MFD

- | | | |
|---|---|---|
| 1 Circuit breaker assembly | 13 Special fastener | 29 Nut, hex, No. 6-32 |
| 2 Circuit breaker | 14 Washer, flat, No. 6 | 30 Lockwasher, No. 6 |
| 3 Terminal, disconnect | 15 Capacitor strap | 31 Washer, flat, No. 6 |
| 4 Terminal lug | 16 Spacer | 32 Terminal lug |
| 5 Screw, panhead, No. 6-32, 3/16 in. long | 17 Screw, panhead, No. 6-32, 1/4 in. long | 33 Bushing |
| 6 Lockwasher, No. 6 | 18 Washer, flat, No. 6 | 34 Screw, panhead, No. 6-32, 5/8 in. long |
| 7 Capacitor, selected, 2.0 mfd, (VR1C1) | 19 Printed circuit board assembly | 35 Transistor (VRQ4) |
| 8 Capacitor, selected, 1.92 mfd, (VR1C1) | 20 Nut, hex, No. 6-32 | 36 Heatsink |
| 9 Capacitor, selected, 2.08 mfd, (VR1C1) | 21 Lockwasher, No. 6 | 37 Nut, hex, No. 6-32 |
| 10 Capacitor, selected, 5.0 mfd, (VR1C2) | 22 Washer, flat, No. 6 | 38 Lockwasher, No. 6 |
| 11 Capacitor, selected, 4.8 mfd, (VR1C2) | 23 Heatsink assembly | 39 Washer, flat, No. 6 |
| 12 Capacitor, selected, 5.2 mfd, (VR1C2) | 24 Nut, hex, No. 4-40 | 40 Component cover |
| | 25 Lockwasher, No. 4 | 41 Grommet |
| | 26 Washer, flat, No. 4 | 42 Nut, hex, No. 6-32 |
| | 27 Screw, panhead, No. 4-40, 1/2 in. long | 43 Lockwasher, No. 6 |
| | 28 Cover | 44 Terminal board cover |
| | | 45 Magnetic assembly |

Figure 4-19.1. Voltage regulator (VR1), exploded view.

USED ON	MARKING						
	A	B	C	D	E	F	G
HSPTP	W101 00-00585-001 08809	P2(A3J3)	P2A(A4AJ2)	J2A(WIP2)	P4(AJ4)	PSI(TB2)	PSI(TB1)
LSPTP	W101 00-00585-002 08809	P2(A3J2)	P2A(A4AJ2)	J2A(WIP2)	P4(ALJ4)	PSI(TB2)	PSI(TB1)



NOTES:
1. CHARACTERS TO BE 8 POINT, COLOR BLACK, MARKING ON PUR SIDE REVERSE TYPE, PER CHART, PER MIL-N-15231, GROUP III.
2. WIRES USED ONLY IN MOTOR STOP ASSEMBLIES HAVING ELAPSED TIME METER MI INSTALLED.

- | | | |
|------------------------|-------------------------|------------------------------|
| 1 through 15 not used | 21 Terminal lug | 29 through 34 not used |
| 16 Terminal receptacle | 22 through 24 not used | 35 Cable strap |
| 17 Terminal lug | 25 Connector jack (J2A) | 36 Nameplate |
| 18 Terminal lug | 26 Connector plug (P2A) | 37 through 39 not used |
| 19 Spade receptacle | 27 Bushing | 40 Female electrical contact |
| 20 Insulator pod | 28 Bushing | |

Figure 4-19.2. Motor stop cable assembly ASW101, component location diagram.

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TM 7440-222-15-272

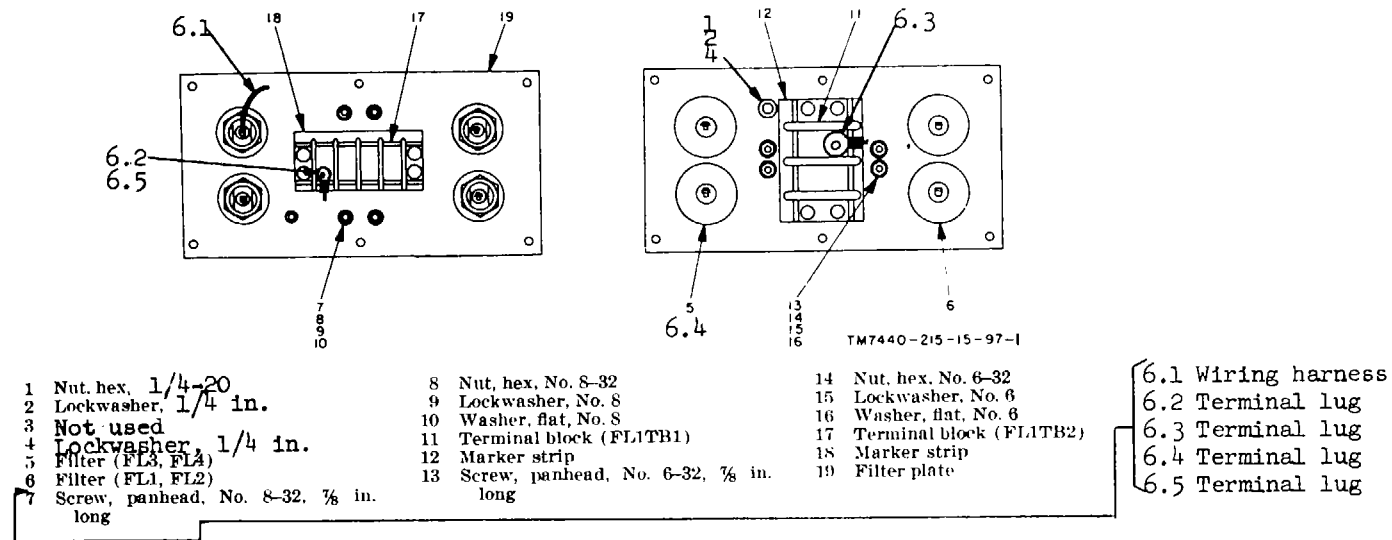


Figure 4-20. Filter assembly, component location diagram.

Section V. DISASSEMBLY AND REASSEMBLY OF LOW SPEED PERFORATOR AND TAPE HANDLER B2

4-44. General

Disassembly and reassembly of the low speed perforator and tape handler B2 is effected by removal and replacement of assemblies, subassemblies, and components as described in the following paragraphs. These paragraphs also describe the disassembly and reassembly of assemblies and subassemblies when not in the order of index numbers on exploded views. Vise these procedures in conjunction with the troubleshooting, repair, and adjustment procedures described in paragraphs 4-18 through 4-20, 4-13 through 4-17, 4-96, and 498 through 4-119, respectively.

Caution:

Prime and seal all fasteners and hardware inside O-ring seal (136, fig. 4-21) with Silastic Primer RTV1201 and Silastic RTV882 to eliminate possible oil leaks.

4-45. Removal and Replacement of Slack Loop Control Sensing Assembly

- a. *Removal.* Remove slack loop control sensing assembly (25, fig. 4-21) as follows:
 - (1) Disconnect slack loop spring (12, fig. 4-21) from spring post (2, fig. 4-22).
 - (2) Remove the tension area assembly (items 19 through 21, fig. 4-21) from shaft (11, fig. 4-22) extending through the front of mounting rack panel (178, fig. 4-21).
 - (3) Remove the two screws (22 and 23) and lockwashers (24), and separate slack loop control sensing assembly (25), and the items mounted on it, from mounting rack panel (178).
- b. *Replacement.* To replace slack loop control sensing assembly (25, fig. 4-21), reverse the removal procedure in a above.

4-46. Disassembly and Reassembly of Slack Loop Control Sensing Assembly (fig. 4-22)

- a. *Disassembly.* Disassemble slack loop control sensing assembly. (25, fig. 4-21) by following the sequence of index numbers in figure 4-22.
- b. *Reassembly.* To reassemble slack loop control sensing assembly (25, fig. 4-21), reverse the disassembly procedure in a above and note the following special procedures:
 - (1) When assembling two cams (9, fig. 4-22) on shaft (11), position the cam closest to atop (10) with the wide part facing the opening of mounting frame(13). Position the other cam with the wide part facing the closed part of the mounting frame.
 - (2) When assembling retaining ring (7) on shaft (110), allow a clearance of 0.005 to 0.010 inch between the retaining ring and flanged bushing (12).

4-47. Removal and Replacement of Tape Supply Slide Assembly (fig. 4-21)

- a. *Removal.* Remove tape supply slide assembly (26, fig. 4-21) by carefully sliding it out of mounting rack panel (178).
- b. *Replacement.* To replace tape supply slide assembly (26, fig. 4-21), reverse the removal procedure in a above.

4-48. Disassembly and Reassembly of Tape Supply Slide Assembly (fig. 4-23)

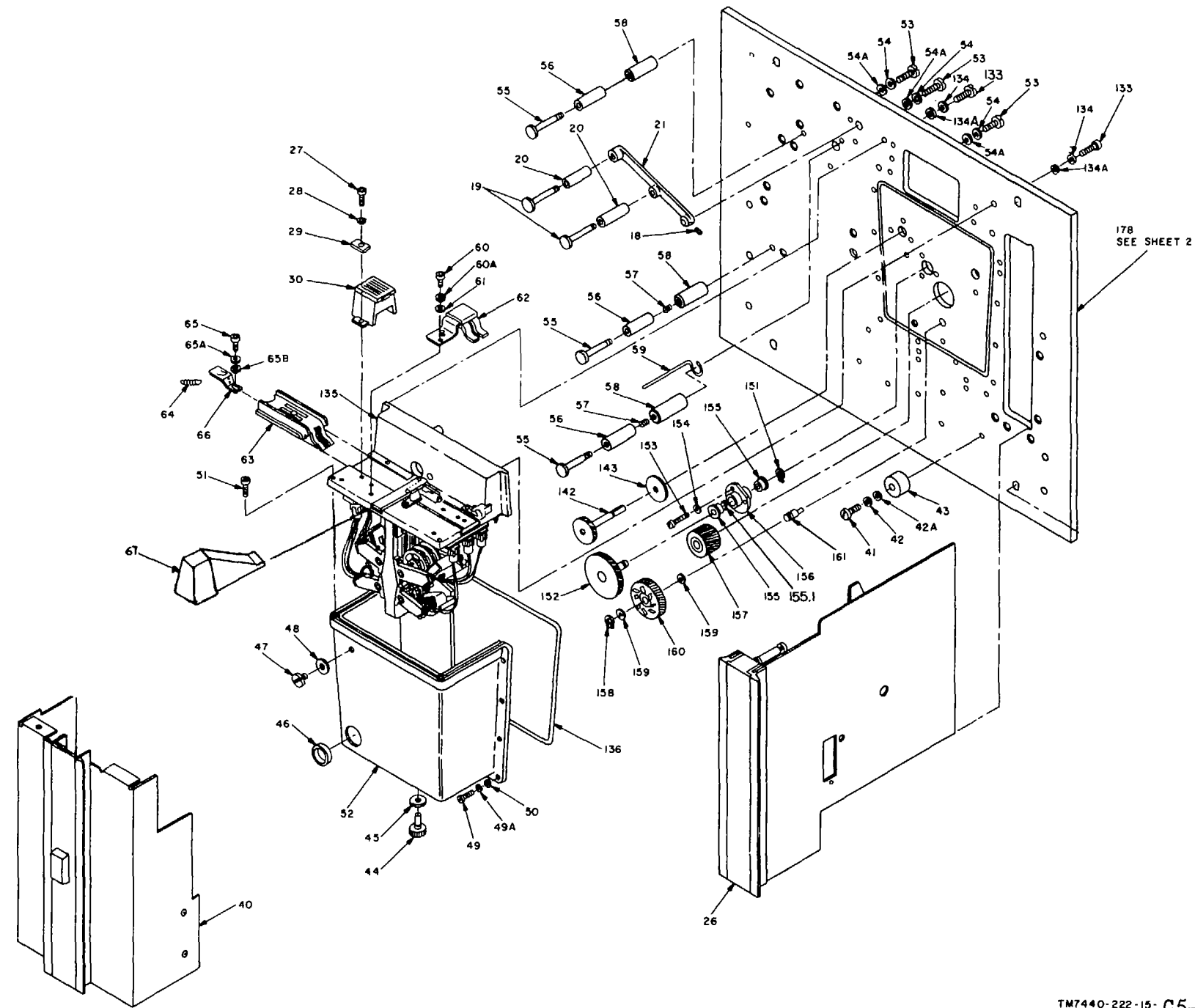
- a. *Disassembly.* Disassemble tape supply slide assembly (26, fig. 4-21) by following the sequence of index numbers in figure 4-23.
- b. *Reassembly.* To reassemble tape supply slide assembly procedure in a above and apply Locite Sealant, grade A to the threads of roller shaft (7, fig. 4-23) before installing it in tape roller (8).

4-49. Removal and Replacement of Tape Motion Sensor Assembly

- a. *Removal.* Remove 2 screws (27, fig. 4-21), lockwashers (28), and tape motion sensor holddowns (29), and carefully lift the tape motion sensor assembly (30) from the punch mechanism assembly.
- b. *Replacement.* Reverse the removal procedure to replace the assembly.

4-50. Disassembly and Reassembly of Tape Motion Sensor Assembly (fig. 4-24)

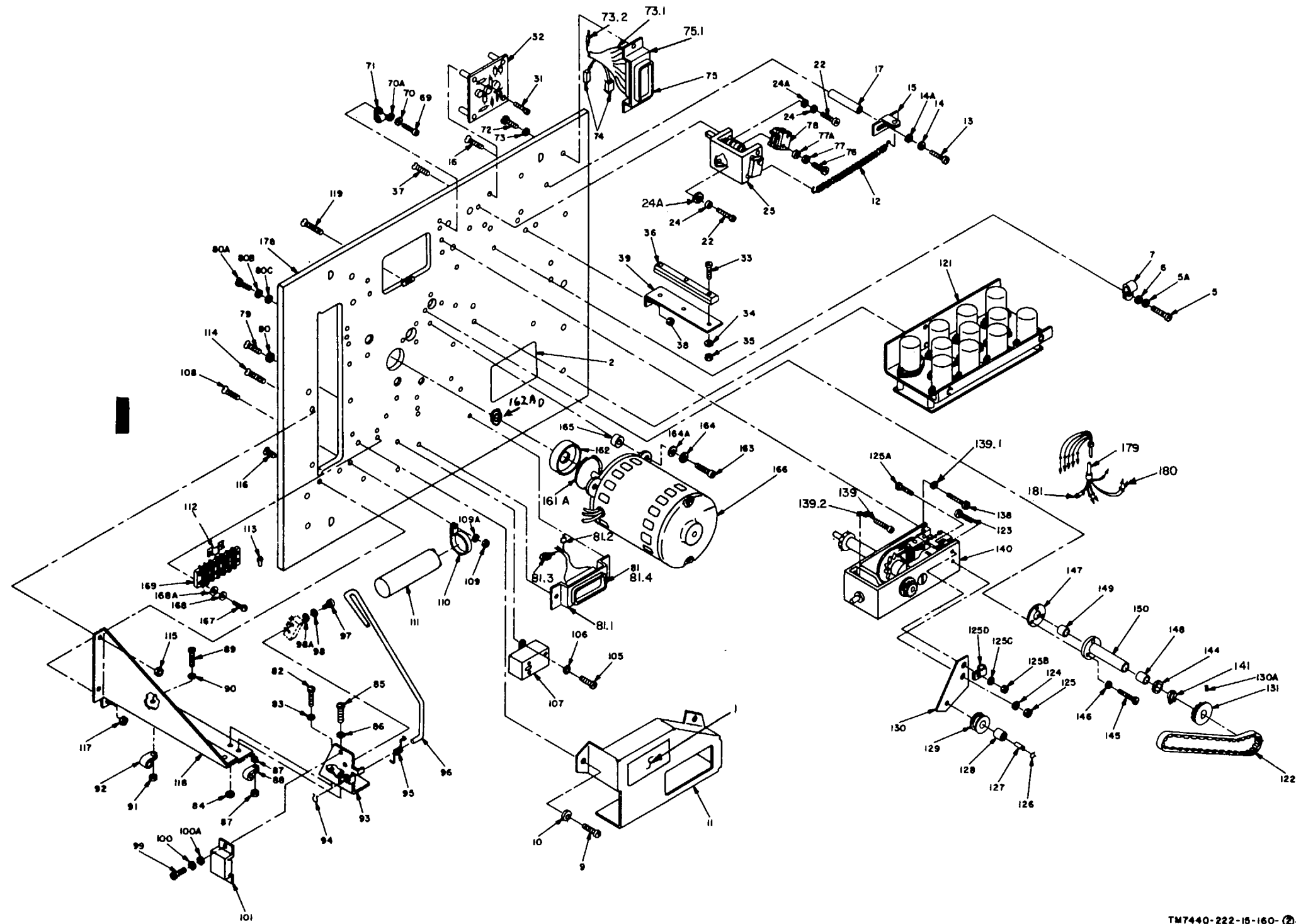
- a. *Disassembly.* Disassemble tape motion sensor assembly (30, fig. 4-21) by following the sequence of index numbers in figure 4-24.
- b. *Reassembly.* To reassemble tape motion sensor assembly (30, fig. 4-21), reverse the disassembly pro-



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Figure 4-21(1). Low speed perforator, exploded view (port 1 of 2).

4-20.2 Change 5

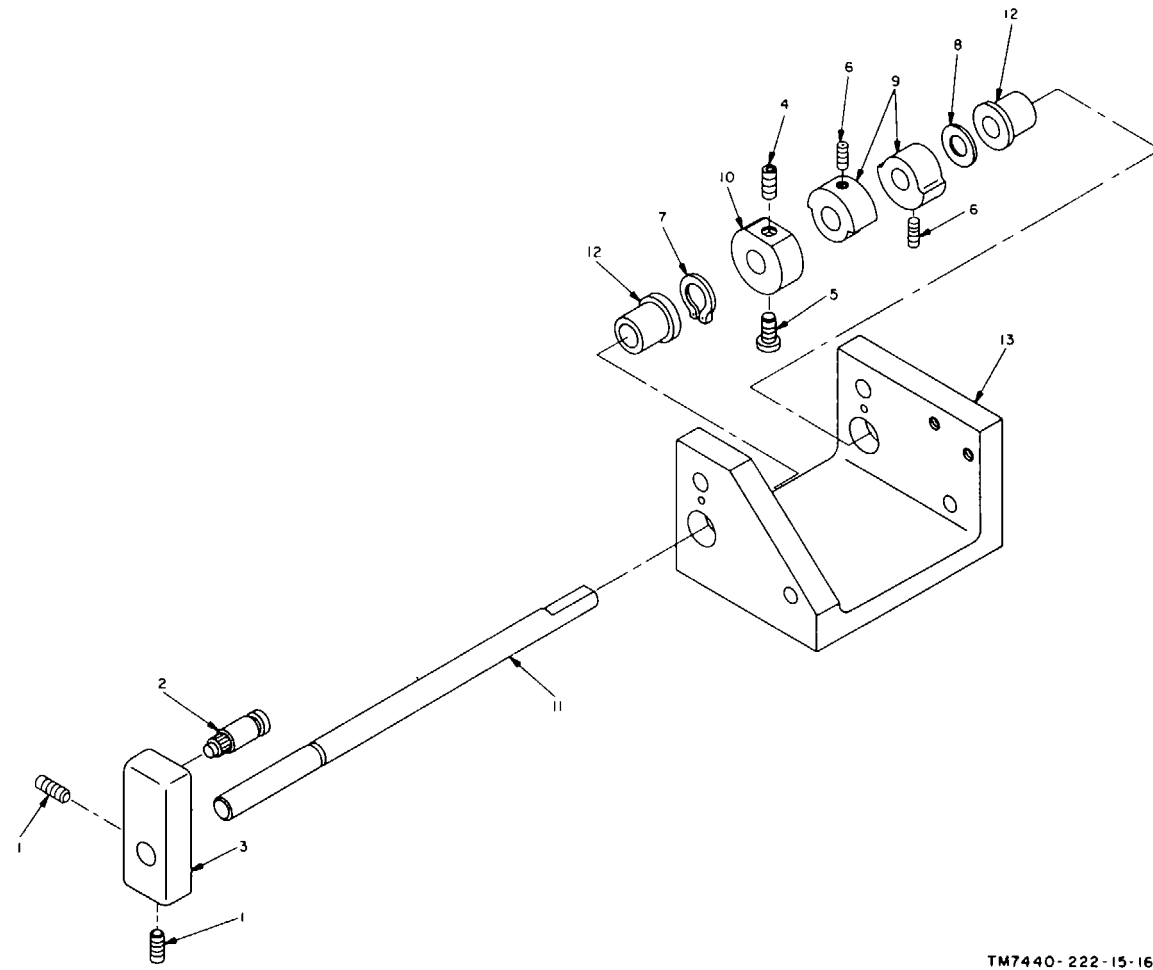


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Figure 4-21 1(2). Low speed perforator, exploded view (part 2 of 2).

1	Warning label	58	Spacer	104	Deleted	153	Screw, cap, sockethead, No. 6-32, 3/8 in. long
2	Identification label	59	Tape deflector	105	Screw, panhead, No. 6-32, 5/16 in. long	154	Lockwasher, internal tooth, No. 6
3	Deleted	60	Screw cap, sockethead, No. 4-40, 1/4 in. long	106	Lockwasher, internal tooth, No. 6	155	Ball Bearing
4	Deleted	60A	Lockwasher, internal tooth, No. 4	107	Relay (K1)	155.1	Oil seal
5	Screw, panhead, No. 8-32, 3/8 in. long	61	Washer, flat, No. 4	108	Screw, flathead, No. 6-32, 3/4 in. long	156	Bearing tub
5A	Lockwasher, internal tooth, No. 8	62	Tape stripper assembly	109	Nut, hex, No. 6-32	157	Drive gear assembly
6	Washer, flat, No. 8	63	Tape retainer	109A	Adapter	158	Retaining ring
7	Cable clamp , 1/2 in.	64	Tape retainer spring	110	Capacitor clamp	169	Thrust washer
8	Deleted	65	Screw cap, buttonhead, socket, No. 4-40, 3/16 in. long	111	Capacitor (C1)	160	Oil slinger gear
9	Screw panhead, No. 8-32, 6/16 in. long	65A	Washer, flat, No. 4	112	Jumper	161	Idler shaft
10	Washer, flat, No. 8	65B	Lockwasher internal tooth, No. 4	113	Terminal lug	161A	Motor boot ring
11	High voltage cover	66	Tape retainer latch	114	Screw, flathead, No. 8-32, 1/2 in. long	162	Motor boot
12	Slack loop spring	67	Chad chute	115	Nut hex, No. 8-32	162A	Oil slinger washer
13	Screw, panhead, No.8-32, 5/16 in. long	68	Not used	116	Screw, flathead, No. 6-32, 1/2 in. long	163	Screw, cap, sockethead, No. 10-32, 5/8 in. long
14	Lockwasher, internal tooth, No. 8	69	Screw, panhead, No. 62, 3/8 in. long	117	Nut, hex, No. 6-32	164	Lockwasher, internal tooth, No. 10
14A	Washer, flat, No. 8	70	Washer, flat, No. 6	118	Supply slide bracket assembly	164A	Washer, flat, No. 10
15	Spring anchor	70A	Lockwasher, internal tooth, No. 6	119	Screw, flathead, No. 8-32, 1/2 in. long	165	Motor spacer
16	Screw flathead, No. 8-32, 1/2 in. long	71	Cable clamp	120	Deleted	166	Motor (fig. 4-31)
17	Anchor post	72	Screw, pan head, No. 6-32, 5/16 in. long	121	RC network assembly (fig. 4-26)	167	Screw, panhead, No. 6-32, 1/2 in. long
18	Setscrew, fist point, No. 6-32, 3/16 in. long	73	Lockwasher, internal tooth, No. 6	122	Drive bait	168	Lockwasher, internal tooth, No. 6
19	Roller shaft	73.1	Connector and harness assy	123	Screw, panhead, No. 8-32, 5/8 in. long	168A	Washer, flat, No. 6
20	Roller	73.2	Taper pin	124	Washer, flat, No. 8	169	Terminal board (TB2)
21	Tension sensing arm	74	Microswitch (S3, S4)	125	Nut, hex, No. 8-32	170	
22	Screw, cap buttonhead socket, No. 6-32, 1/2 in. long	75	Connector, 26-pin (J2)	125A	Screw, panhead, No. 8-32, 3/4 in. long	171	
23	Deleted	75.1	Connector bracket	125B	Nut, hex, No. 8-32	172	
24	Lockwasher, internal tooth, No. 6	76	Screw, panhead, No. 2-56, 3/4 in. long	125C	Washer, flat, No. 8-32	173	
24A	Washer, flat, No. 6	77	Lockwasher, internal tooth, No. 2	125D	Cable clamp	174	
25	Slack loop control sensing assembly (fig. 4-22)	77A	Washer, flat, No. 2	125E	Cable assembly	174A	
26	Tape supply slide assembly (fig. 4-23)	78	Actuator	126	Retaining ring	176	
27	Screw, cap, sockethead, No. 4-40, 5/16 in. long	79	Screw, panhead, No. 6-32, 5/16 in. long	127	Belt tension idler shaft	176	
28	Lockwasher, internal tooth, No. 4	80	Lockwasher, internal tooth, No. 6	128	Bushing	177	
29	Tape motion sensor hold down	80A	Screw, panhead, No. 6-32, 1/2 in. long	129	Idler pulley	178	Mounting rack panel
30	Tape motion sensor assembly (fig. 4-24)	80B	Washer, flat, No. 6	130	Idler bracket	179	Capstan drive cable assy
31	Screw, flathead, No. 6-32, 1/2 in. long	80C	Lockwasher, external tooth, No. 6	130A	Setscrew, cup point, No. 4-40, 1/8 in. long	180	Taper pin
32	Amplifier assembly (fig. 4-25)	81	34-pin connector assembly (J1)	131	Pulley, 10 tooth	181	Terminal lug
33	Screw, panhead, No. 8-32, 5/8 in. long	81.1	Connector bracket	132	Not used		
34	Washer, flat, No. 8	81.2	Taper pin	133	crew, cap, sockethead, No. 8-32, 5/8 in. long		
35	Nut, hex, No. 8-32	81.3	Terminal lug	134	Lockwasher, internal tooth, No. 8		
36	Taper pin board	81.4	Connector and harness assy	134A	Washer, flat, No. 8		
37	Screw, flathead, No. 6-32, 1/2 in. long	82	Screw, panhead, No. 4-40, 3/8 in. long	134B			
38	Nut, hex, No. 6-32	83	Washer, flat, No. 6	134C			
39	Taper pin board mounting bracket	84	Nut, hex, No. 4-40	134D			
40	Chad box assembly	85	Screw, panhead, No. 4-40, 5/8 in. long	135	Punch mechanism assembly (fig. 4-27)		
41	Screw, panhead, No. 6-32, 9/16 in. long	86	Washer, flat No. 6	136	O-ring seal		
42	Lockwasher, internal tooth, No. 6	87	Nut, hex, No. 4-40	137	Deleted		
42A	Washer, flat, No. 6	88	Cable clamp	138	Screw, cap, buttonhead socket, No. 8-32, 1/2 in. long		
43	Button magnet	89	Screw, panhead, No. 6-32, 3/8 in. long	139	Screw, cap, socket head, No. 8-32, 1/2 in. long		
44	Thumbscrew	90	Washer, flat, No. 6	139.1	Washer, flat, No.		
45	Sealing washer	91	Nut, hex, No. 6-32	139.2	Washer, flat, No. 8 modified		
46	Oil level gage	92	Cable clamp	140	Capstan drive mechanism assy (fig. 4-30)		
47	Screw, panhead, 1/4-20, 1/4 in. long	93	Low tape mounting bracket	141	Retaining ring		
48	Sealing washer	94	Retaining ring	142	Drive gear and ash assembly		
49	Screw, cap, sockethead, No. 6-32, 1/2 in. long	96	Low tape arm sensing spring	143	Shim. 0.005 in. thick		
49A	Lockwasher, split, No. 6	96	Low tape arm	143A	Deleted		
50	Washer, flat, No. 6	97	Screw, panhead, No. 2-56, 3/8 in. long	144	Thrust washer		
51	Screw, cap, sockethead, No. 4-40, 1/2 in. long	98	Lockwasher, internal tooth, No. 2	145	Screw, cap, sockethead, No. 6-32, 3/8 in. long		
52	Oil pan	98A	Washer, flat, No. 2	146	Lockwasher, internal tooth, No. 6		
53	Screw, panhead, No. 6-32, 1/2 in. long	99	Screw panhead, No. 4-40, 1/4 in. long	147	Gasket		
54	Lockwasher, internal tooth, No. 6	100	Lockwasher, internal tooth, No. 4	148	Bushing		
54A	Washer, flat, No. 6	100A	Washer, flat, No. 4	149	Bushing		
55	Tape roller shaft	101	Magnetic catch	150	Bearing tube		
56	Tape roller	102	Deleted	151	Retaining ring		
57	Deleted	103	Deleted	152	Idler gear		

LEGEND FOR FIGURE 4-21

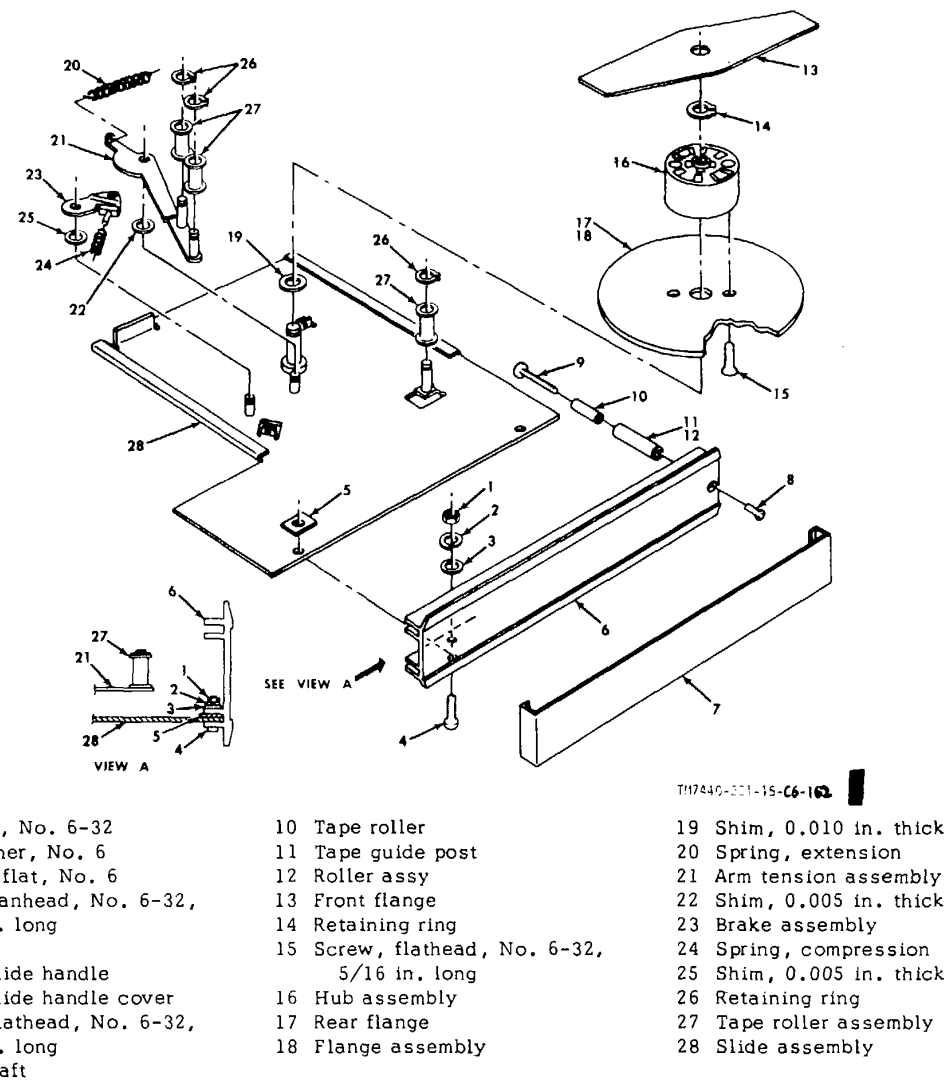


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- | | | |
|--|--|--------------------|
| 1 Setscrew, socket head, No. 8-32,
1/4 in. long | 5 Screw, roundhead, No. 6-32, 3/16 in.
long | 9 Cam |
| 2 Spring post | 6 Setscrew, socket head, No. 4-40,
1/8 in. long | 10 Stop |
| 3 Spring anchor | 7 Retaining ring | 11 Shaft |
| 4 Setscrew, cut point, No. 6-32, 1/8 in.
long | 8 Shim | 12 Flanged bushing |
| | | 13 Mounting frame |

Figure 4-22. Slack loop control sensing assembly, exploded view.

Change 5 4-20.5/(4-20.6 blank)



- | | | |
|--|--|--------------------------|
| 1 Nut, hex, No. 6-32 | 10 Tape roller | 19 Shim, 0.010 in. thick |
| 2 Lockwasher, No. 6 | 11 Tape guide post | 20 Spring, extension |
| 3 Washer, flat, No. 6 | 12 Roller assy | 21 Arm tension assembly |
| 4 Screw, panhead, No. 6-32,
5/8 in. long | 13 Front flange | 22 Shim, 0.005 in. thick |
| 5 Spacer | 14 Retaining ring | 23 Brake assembly |
| 6 Supply slide handle | 15 Screw, flathead, No. 6-32,
5/16 in. long | 24 Spring, compression |
| 7 Supply slide handle cover | 16 Hub assembly | 25 Shim, 0.005 in. thick |
| 8 Screw, flathead, No. 6-32,
1/2 in. long | 17 Rear flange | 26 Retaining ring |
| 9 Roller shaft | 18 Flange assembly | 27 Tape roller assembly |
| | | 28 Slide assembly |

Figure 4-23. tape supply slide assembly, exploded view.

Procedure in a above and secure tape blade (3, fig. 4-24) to housing (16) with Huron adhesive No. 20.

4-51. Removal and Replacement of Amplifier assembly (Tape Motion Sensor) (fig. 4-21)

a. *Removal.* Disconnect the leads, remove the four screws (31, fig. 4-21), and carefully separate amplifier assembly (32) from mounting rack panel (178).

b. *Replacement.* To replace amplifier assembly (32, fig. 4-21), reverse the removal procedure in a above.

4-52. Disassembly and Reassembly of Amplifier Assembly (Tape Motion Sensor) (fig. 4-25)

a. *Disassembly.* Disassemble amplifier assembly (32, fig. 4-21) by following the sequence of index numbers in figure 4-25.

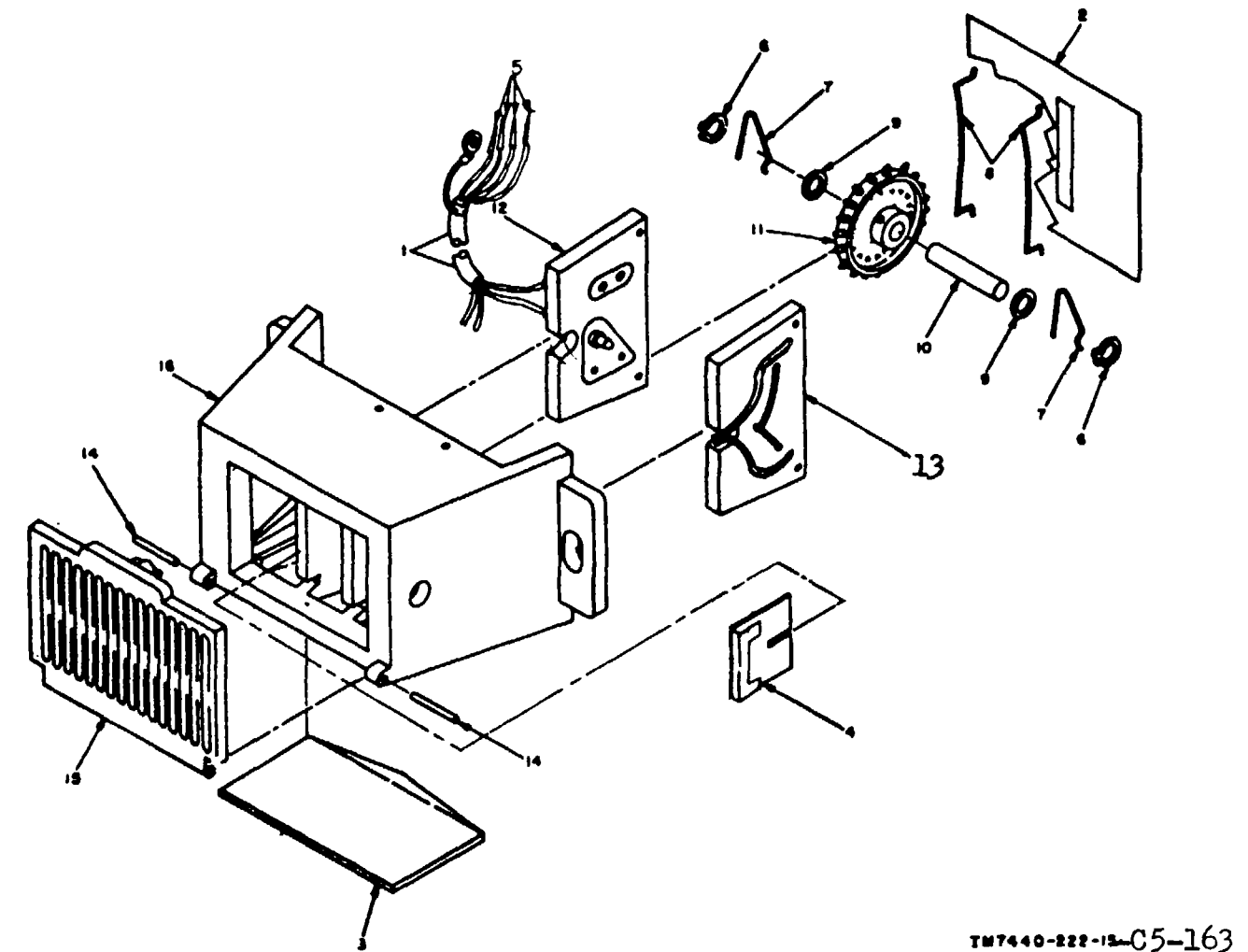
b. *Reassembly.* To reassemble amplifier assembly (32, fig. 4-21) , reverse the disassembly procedure in a above. Refer to figure 8-3 for circuit connections.

4-53. Removal and Replacement of Rc Network Assembly (fig. 4-21)

a. *Removal.* Remove the rc network assembly (121, fig. 4-21) as follows:

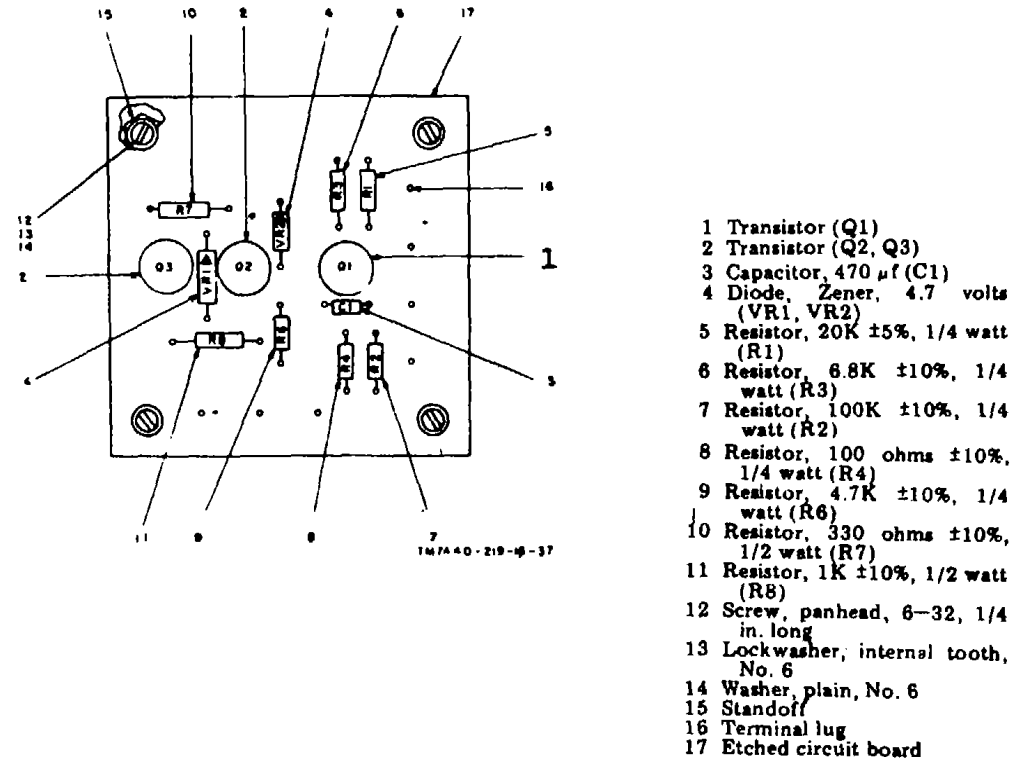
(1) Remove the three screws (3 and 5) and flat washers (4 and 6), and separate the rc network cover (8) mounting rack panel (178).

(2) Disconnect the leads, remove the three screws (119) and nuts (120), and carefully separate



- | | | |
|------------------|--------------------------|----------------------------------|
| 1 Sheathing | 7 Pivot shaft spring | 12 Card lamp mounting assembly |
| 2 Dust cover | 8 Retainer spring | 13 Card sensor mounting assembly |
| 3 Tape blade | 9 Shim, 0.0015 in. thick | 14 Lid hinge pin |
| 4 Slit clip | 10 Capstan shaft | 15 Housing lid |
| 5 Deleted | 11 Capstan | 16 Housing |
| 6 Retaining ring | | |

Figure 4-24. Tape motion sensor assembly, exploded view.



- 1 Transistor (Q1)
- 2 Transistor (Q2, Q3)
- 3 Capacitor, 470 μ f (C1)
- 4 Diode, Zener, 4.7 volts (VR1, VR2)
- 5 Resistor, 20K \pm 5%, 1/4 watt (R1)
- 6 Resistor, 6.8K \pm 10%, 1/4 watt (R3)
- 7 Resistor, 100K \pm 10%, 1/4 watt (R2)
- 8 Resistor, 100 ohms \pm 10%, 1/4 watt (R4)
- 9 Resistor, 4.7K \pm 10%, 1/4 watt (R6)
- 10 Resistor, 330 ohms \pm 10%, 1/2 watt (R7)
- 11 Resistor, 1K \pm 10%, 1/2 watt (R8)
- 12 Screw, panhead, 6-32, 1/4 in. long
- 13 Lockwasher, internal tooth, No. 6
- 14 Washer, plain, No. 6
- 15 Standoff
- 16 Terminal lug
- 17 Etched circuit board

Figure 4-25. Tape motion sensor amplifier assembly, component location diagram.

the rc network assembly (121) from mounting rack panel (178),

b. *Replacement.* To replace the rc network assembly (121, fig. 4-21), reverse the removal procedure in q above.

4-54. Disassembly and Reassembly of Rc Network Assembly (fig. 4-26)

a. *Disassembly.* Disassemble the rc network assembly (121, fig. 4-21) by following the sequence of index numbers in figure 426.

b. *Reassembly.* To reassemble the rc network assembly (121, fig. 4-21), reverse the disassembly procedure in a above.

4-55. Removal and Replacement of Punch Mechanism Assembly (fig. 4-21)

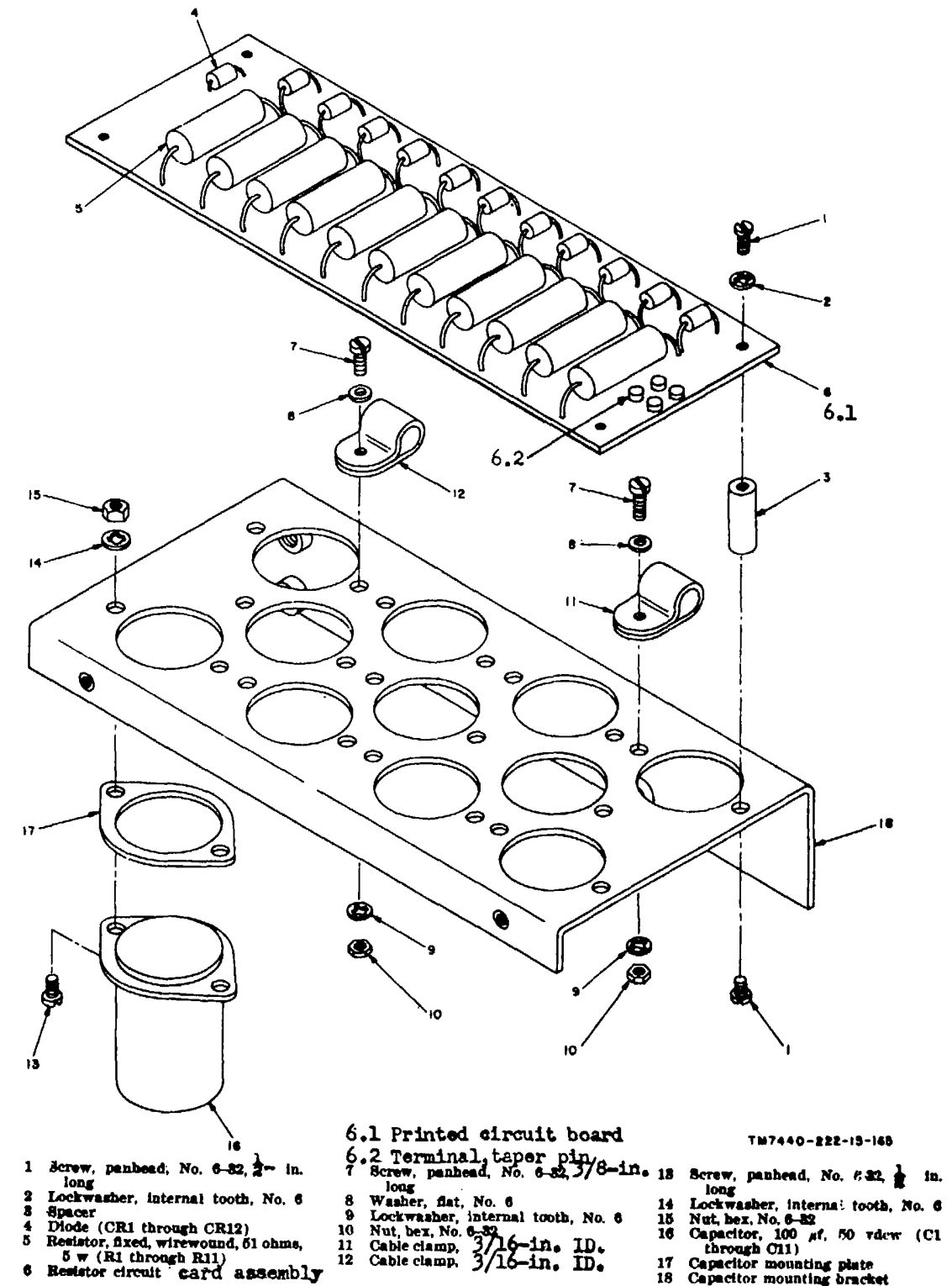
NOTE

Inspect punch mechanism for use of improper "E" type retaining rings. "E" type retaining rings should be replaced by "C" type retaining rings.

a. *Removal.* Remove punch mechanism assembly (135, fig. 4-21) as follows:

- (1) Remove chad box assembly (40).
- (2) Remove tape motion sensor assembly (80) as described in paragraph 4-49a.
- (3) Remove the two screws (60) and flat washers (61), and lift tape stripper assembly (62) off punch mechanism assembly (185).
- (4) Remove tape retainer (63), tape retainer spring (64), screw (65), and tape retainer latch (66).
- (5) Slide chad chute (67) off punch mechanism assembly (135).
- (6) Remove the thumbscrew (44), sealing washer (45), screw (47), sealing washer (48), eight screws (49), eight flat washers (50), and two screws (51), and separate oil pan (52) from mounting rack panel (178).
- (7) Remove the four screws (133) and lockwashers (134) disconnect the leads, and carefully separate punch mechanism assembly (135) from mounting rack panel (178).

b. *Replacement.* To replace punch mechanism assembly (135, fig. 4-21), reverse the removal procedure in a above.



- 1 Screw, panhead, No. 6-32, 1/2 in. long
- 2 Lockwasher, internal tooth, No. 6
- 3 Spacer
- 4 Diode (CR1 through CR12)
- 5 Resistor, fixed, wirewound, 61 ohms, 5 w (R1 through R11)
- 6 Resistor circuit card assembly
- 6.1 Printed circuit board
- 6.2 Terminal, taper pin
- 7 Screw, panhead, No. 6-32, 3/8 in. long
- 8 Washer, flat, No. 6
- 9 Lockwasher, internal tooth, No. 6
- 10 Nut, hex, No. 6-32
- 11 Cable clamp, 3/16-in. ID.
- 12 Cable clamp, 3/16-in. ID.
- 13 Screw, panhead, No. 6-32, 1/2 in. long
- 14 Lockwasher, internal tooth, No. 6
- 15 Nut, hex, No. 6-32
- 16 Capacitor, 100 μ f, 50 vdcw (C1 through C11)
- 17 Capacitor mounting plate
- 18 Capacitor mounting bracket

Figure 4-26. Rc network assembly, exploded view.

4-56. Disassembly and Reassembly of Punch Mechanism Assembly

a. *Disassembly.* Disassemble punch mechanism assembly 1135, fig. 4-21) by following the sequence of index numbers in fig. 4-27 and noting the following special procedure to remove die plate (71) and strip Per plate (77):

(1) Remove two screws (74.2) and slip die plate removal tool 381170 over the die and stripper plates (see fig. 4-28.1); position it at the approximate center of the plates and turn the handle to pull the die plate straight up, taking care not to damage the dowel pins (76) attached to the stripper plate.

(2) Remove the two screws (70); then remove the stripper plate by lifting it straight upward until the dowel pins clear the holes in the tape deck (83).

b. *Reassembly.* To reassemble punch mechanism assembly (135, fig. 4-21), reverse the disassembly procedure in a above and note the following special procedures:

(1) When reassembling punch drive gear and eccentric assembly (63, fig. 4-27) on pivot shaft (61), perform the end play adjustment procedure described in paragraph 4-113.

(2) Deleted

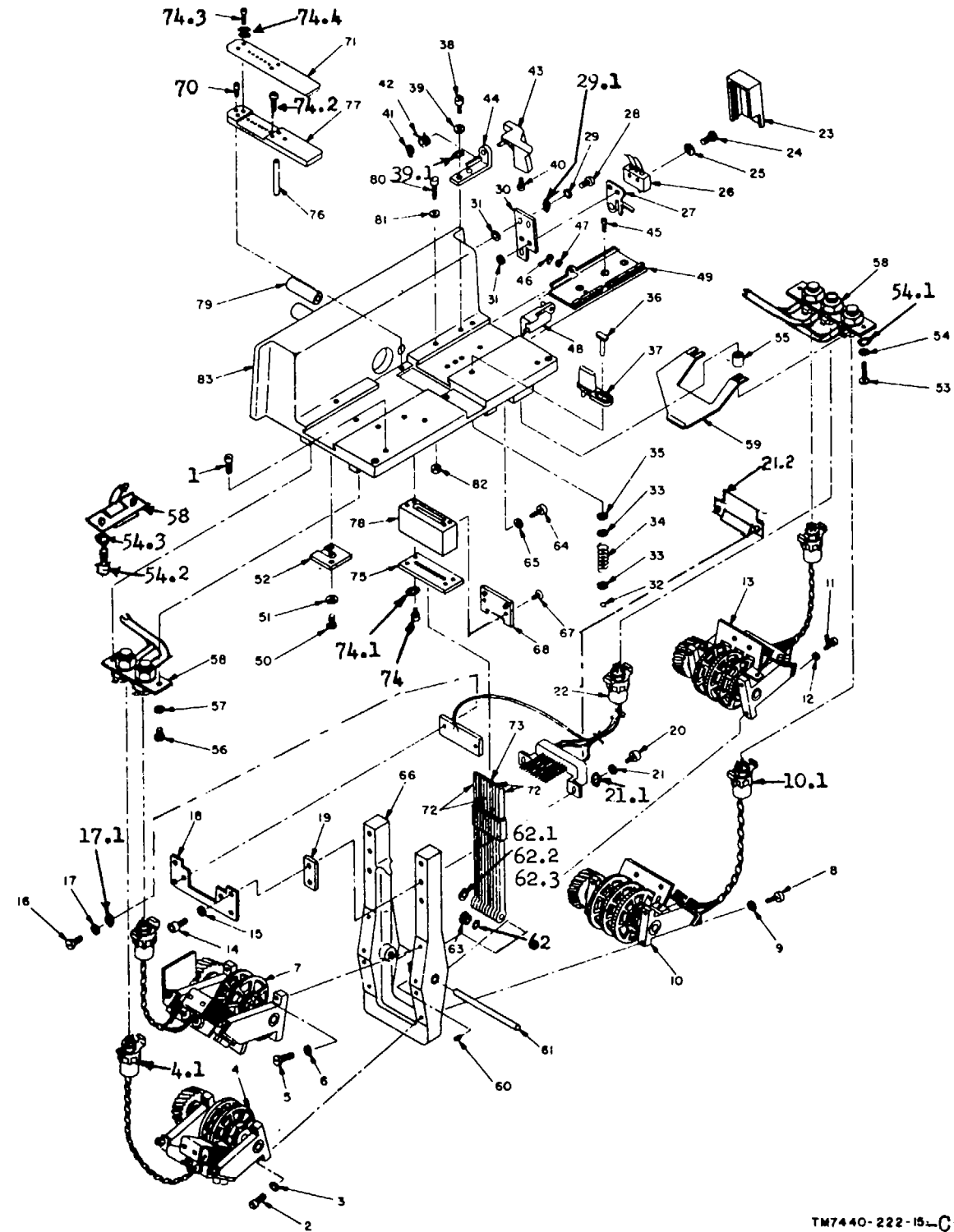
(3) Die plate (71), punch and drive link assemblies (72 & 73), guide plate (75), and stripper plate (77) of punch head assembly are matched parts. If any part is replaced, all parts must be replaced.

(4) When assembling the tape hold down lever and bracket assembly (items 40 through 44), wind torsion spring (42) 270°, install retaining ring (41), and then trim the ends of the spring.

(5) After reassembling the punch phasing mechanism assembly, perform the punch phasing adjustment procedure described in paragraph 4-108.

NOTE: - SYMBOL INDICATES ADDITIONAL ITEM(S) ADDED BELOW.

1 Chad box screw	28 Screw, panhead, No. 4-40, 1/4 in. long	57 Lockwasher, No. 6
2 Screw, cap, socket head, No. 6-32, 1/2 in. long	29 Lockwasher, internal washer, No. 4	58 Punch mechanism cable assembly
3 Lockwasher, internal tooth, No. 6	30 Mounting plate	59 Oil control baffle
4 Lower left clutch bank assembly	31 Spacer	60 Setscrew, flat point, No. 2-56, 1/4 in. long
5 Screw, cap, socket head, No. 6-32, 1/2 in. long	32 Retaining ring	61 Pivot shaft
6 Lockwasher, internal tooth, No. 6	33 Washer, flat, No. 4	62 Shim, 0.002 in. thick
7 Upper left clutch bank assembly	34 Tape width arm spring	63 Punch drive gear and eccentric assembly
8 Screw, cap, socket head, No. 6-32, 1/2 in. long	35 Gasket	64 Screw, cap, socket head, No. 6-32, 1/2 in. long
9 Lockwasher, internal tooth, No. 6	36 Pivot pin	65 Lockwasher, internal tooth, No. 6
10 Lower right clutch bank assembly	37 Tape width arm assembly	66 Main frame
11 Screw, cap, socket head, No. 6-32, 1/2 in. long	38 Screw, cap, socket head, No. 4-40, 5/16 in. long	67 Screw, flathead, No. 2-56, 3/8 in. long
12 Lockwasher, internal tooth, No. 6	39 Lockwasher, split, No. 4	68 Punch head cover plate
13 Upper right clutch bank assembly	40 Drive screw	69 Not used
14 Screw, cap, socket head, No. 6-32, 1/2 in. long	41 Retaining ring	70 Screw, socket, 4-40, 1/8 in.
15 Lockwasher, internal tooth, No. 6	42 Torsion spring	71 Die plate
16 Screw, panhead, No. 4-40, 1/2 in. long	43 Tape holddown lever assembly	72 Punch and drive link assembly
17 Lockwasher, split, No. 4	44 Tape holddown bracket assembly	73 Punch and drive link assembly
18 Fixed contact mounting bracket	45 Screw, cap, buttonhead socket, No. 4-40, 1/2 in. long	74 Screw, cap, socket head, No. 4-40, 1/2 in. long
19 Fixed contact spacer	46 Retaining ring	75 Guide plate
20 Screw, cap, socket head, No. 6-32, 1/2 in. long	47 Dip spring washer, No. 3	76 Dowel pin
21 Lockwasher, internal tooth, No. 4	48 Narrow tape guidance lever assembly	77 Stripper plate
22 Bit echo contacts and connector assembly	49 Tape guidance insert	78 Spacer block
23 End of tape switch cover	50 Screw, panhead, No. 6-32, 1/4 in. long	79 Chad auger bushing
24 Screw, pan head, No. 2-56, 3/16 in. long	51 Lockwasher, internal tooth, No. 6	80 Screw, cap, button socket head, No. 4-40, 1/2 in. long
25 Lockwasher, split, No. 2	52 Oil chamber cover plate	81 Washer, flat, No. 4
26 End of tape microswitch	53 Screw, panhead, No. 6-32, 5/16 in. long	82 Nut, hex, No. 4-40
27 End of tape actuator	54 Lockwasher, internal tooth, No. 6	83 Tape deck
4.1 Connector	55 Spacer	62.1 Shim, 0.003-in. thick
10.1 Connector	56 Screw, panhead, No. 6-32, 5/16 in. long	62.2 Shim, 0.005-in. thick
17.1 Washer, flat, #4	29.1 Washer, flat, #4	62.3 Shim, 0.010-in. thick
21.1 Washer, flat, #6	39.1 Washer, flat, #4	74.1 Lockwasher, #4
22.1 Movable echo contact	54.1 Washer, flat, #6	74.2 Screw, 4-40, 3/8-in. long
22.2 Fixed echo contact	54.2 Screw, panhead, 4-40, 1/4-in. long	74.3 Screw, button hd socket cap 400617-27
22.3 Connector with hood	54.3 Lockwasher, split, #4	74.4 Split lock washers 400215-07



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Figure 4-27. Punch mechanism assembly, exploded view

NOTE

Item numbers 70 thru 78 are for reference purposes only. Punch head assy. Must be replaced as a complete unit only (NSN 7440-00-01-2949, Index No. C974).

Figure 4-27. Continued.

21.2 Slash guard

(6) When installing the main frame (66, fig. 4-27) perform the punch penetration adjustment procedure outlined in paragraph 4-108.1.

(7) Replace the four clutch bank assemblies (4, 7, 10, and 13, fig. 4-27) as outlined in paragraph 4-57.

4-57. Removal and Replacement of Clutch Bank Assemblies (fig. 4-27 and 4-28)

a. Removal.

(1) Disconnect the leads on clutch bank assemblies (4, 7, 10, and 13, fig. 4-27).

(2) Remove the eight screws (2, 5, 8, and 11), eight lockwashers (3, 6, 9, and 12), and eight screws and lockwashers (30 and 31, fig. 4-28) and separate the respective clutch bank assemblies from the main frame (66, fig. 4-27).

b. Replacement. To replace the clutch bank assemblies, perform the following:

(1) Check the clutch bank armature tip clearance, airgap, spring tension, and endplay adjustment requirements as described in paragraphs 4-105, 4-107, and 4-114, or 6-11.

(2) Latch the spring clutch assemblies (23, fig. 4-28) as follows:

(a) Manually unlatch all spring clutch assemblies by releasing all armature punch clutch latches (2) from their respective spring clutch assemblies (23).

(b) Manually turn the gear and clutch shaft assembly (22, 22.1, 22.2, or 22.3) clockwise, when viewed from the gear end, until one of the teeth on the control sleeve assembly (25) first touches its armature punch clutch latch (2).

(c) Insuring that the gear and clutch shaft assembly does not turn, manually turn the remaining spring clutch assemblies (23) until a tooth on their respective control sleeve assemblies (25) first touch their armature punch clutch latch (2).

(d) Using any convenient reference point, rotate each of the spring clutch assemblies four teeth in a clockwise direction. Insure that neither the gears and clutch haft assembly nor the other spring clutch assemblies turn while doing this.

CAUTION

Extreme care must be taken to insure that the parts on the clutch bank assembly are not moved until after the clutch bank is replaced in the punch mechanism.

(3) Perform the punch phasing adjustment as outlined in paragraph 4-108d.

(4) Position clutch banks (4, 7, 10, and 13, fig. 4-27) on main frame (66) without moving parts in (2) above). If necessary, rotate the punch drive motor (166, fig. 4-21) to enable teeth of drive gear to engage. Secure clutch bank assemblies (4, 7, 10, and 13, fig. 4-27) using eight screws (2, 5, 8, and 11), eight lockwashers (3, 6, 9, and 12), and eight screws and lockwashers (30 and 31, fig. 4-28).

(5) Connect the leads of the clutch bank assemblies (4, 7, 10, and 13, fig. 4-27) to their respective connectors.

4-58. Disassembly and Reassembly of Clutch Bank Assemblies (fig. 4-28)

CAUTION

Defective or improperly aligned clutch banks should be returned to depot for repair, since reassembly and adjustment without proper alignment jigs is extremely difficult.

a. Disassembly. Disassemble clutch bank assemblies (4, 7, 10, and 13, fig. 4-27) by following the sequence of index numbers in figure 4-28.

b. Reassembly. To reassemble clutch bank assemblies (4, 7, 10, and 13, fig. 4-27), reverse the disassembly procedure in a above and note the following special procedures:

(1) To prevent binding of the gear and clutch shaft assembly (22, 22.1, 22.2, or 22.3) with the bushings (28 and 29), mount the two bearing brackets (32) to a clutch bank alignment jig. Use the two screws (30), two lockwashers (31), two screws (2, 5, 8, or 11, fig. 4-27) and two lockwashers (3, 6, 9, and 12).

(2) When reassembling the parts (20 through 29, fig. 4-28) to the gear and clutch shaft assembly (22, 22.1, 22.2, or 22.3), perform the end play adjustment procedures described in paragraph 4-114.

(3) After reassembling the clutch bank assemblies, perform the armature tip clearance, air gap, and spring tension adjustment procedures described in paragraphs 4-105 and 4-107.

(4) After reassembly and completion of the static adjustments described in (2) and (3) above, perform the dynamic adjustment and checkout procedures outlined in paragraph 6-11.

4-59. Removal and Replacement of Punch Mechanism Cable Assembly (fig. 4-27)

a. Removal. Remove punch mechanism cable assembly (58, fig. 4-27) as follows:

(1) Remove punch mechanism assembly (135, fig. 4-21) as described in paragraph 4-55a.

(2) Disconnect the leads, remove the four screws (53 and 56, fig. 4-27) and lockwashers (54 and 57), and separate punch mechanism cable assembly (58) from tape deck (83).

b. Replacement. To replace punch mechanism cable assembly (58, fig. 4-27), reverse the removal procedure in a above.

4-60. Disassembly and Reassembly of Punch Mechanism Cable Assembly (fig. 4-29)

a. Disassembly. Disassemble punch mechanism cable assembly (58, fig. 4-27) by following the sequence of index numbers in figure 4-29.

b. Reassembly. To reassemble punch mechanism cable assembly (58, fig. 4-27), reverse the disassembly procedure in a above.

4-61. Removal and Replacement of Capstan Drive Mechanism Assembly (fig. 4-21)

a. Removal. Remove capstan drive mechanism assembly (140, fig. 4-21) as follows:

(1) Carefully remove capstan assembly (68, fig. 4-30) from the capstan shaft.

(2) Carefully remove drive belt (122, fig. 4-21) from capstan drive mechanism assembly (140).

(3) Remove the two screws (123), flat washers (124), and nuts (125), and separate idler bracket (130) from capstan drive mechanism assembly (140).

(4) Disconnect the leads, remove the four screws (138 and 139) and wash"(139.1/ and carefully separate capstan drive mechanism assembly (140) from mounting rack panel (178). L W4 139.2)

b. Replacement. To replace capstan drive mechanism assembly (140, fig. 4-21), reverse the removal procedure in a above.

4-62. Disassembly and Reassembly of Capstan Drive Mechanism Assembly (fig. 4-30)

a. Disassembly. Disassemble capstan drive mechanism assembly (140, fig. 4-21) by following the sequence of index numbers in figure 4-30.

b. Reassembly. To reassemble capstan drive mechanism assembly (140, fig. 4-21), reverse the disassembly procedure in a above and note the following special procedures:

(1) When reassembling capstan assembly (68, fig. 4-30) on the capstan shaft, perform the end play adjustment described in paragraph 4-115.

(2) After reassembling the capstan drive mechanism assembly, perform the capstan drive mechanism adjustments described in paragraphs 4-104 and 4-109 through 4-112.

4-62.1. Removal and Replacement of Capstan Drive Mechanism Reverse Stepper (fig. 4-30)

a. Removal. Remove the capstan drive mechanism assembly as described in paragraph 4-61.

(1) Loosen the clamp screw (26, fig. 4-30) from the bearing bracket (30).

(2) Remove the retainer ring (31).

(3) Unscrew the reverse clutch pivot (32) being careful to remember that the pivot has left-hand threads.

(4) Remove the bearing bracket (30).

(5) Remove the reverse stepper (28) from the capstan reverse assembly gear (27).

b. Replacement. To replace the capstan drive mechanism reverse stepper proceed as follows.

(1) Install the reverse stepper (28), with its shoulder towards the bearing bracket, on the capstan reverse assembly gear (27).

(2) Install the bearing bracket (30) on the reverse clutch pivot (32). Be sure to keep the backspace clutch assembly armature tip (16) engaged with a tooth on the friction clutch hub assembly (38). When engaging the capstan reverse assembly gear (27) with the friction clutch hub assembly (38), make sure the reverse stepper teeth (28) are horizontal to a vertical axis through the forward friction clutch body (70).

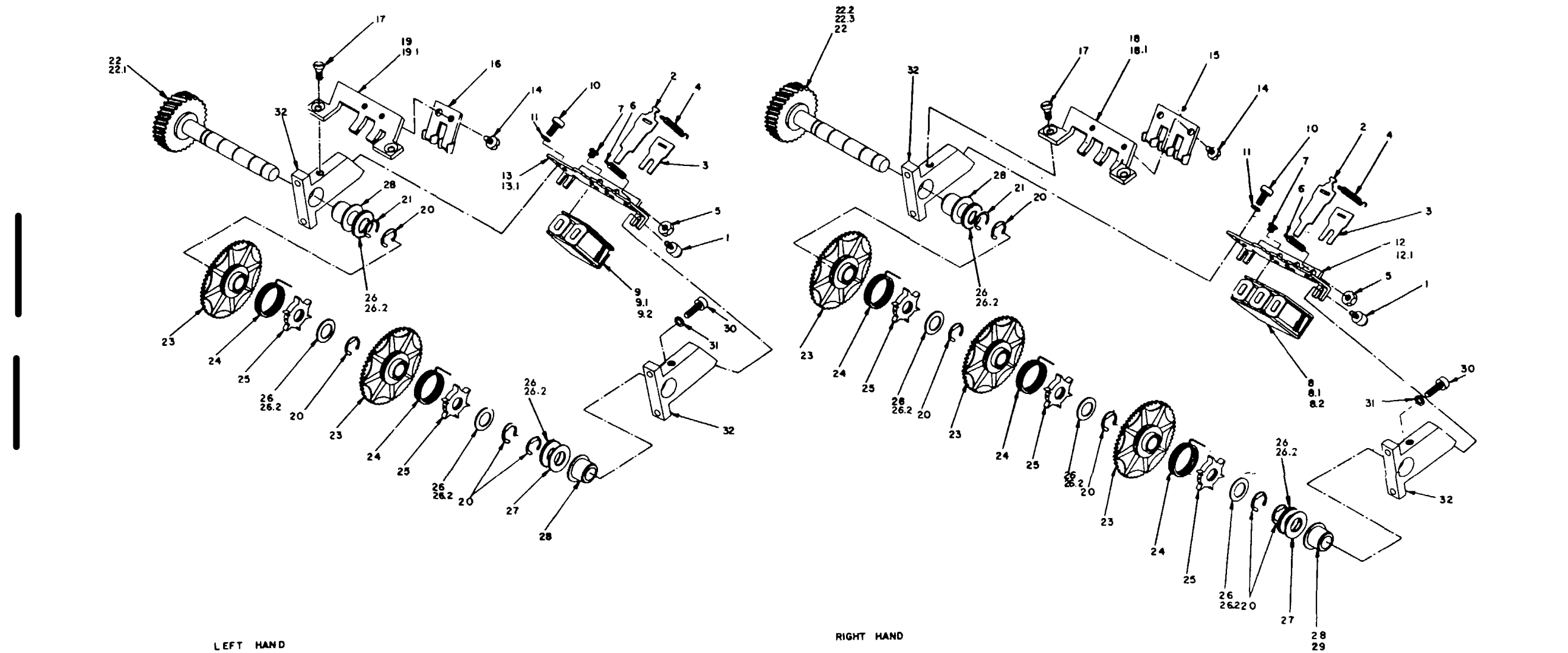
(3) Screw the reverse clutch pivot (32) in and tighten. Keep the backspace clutch assembly armature tip (16) engaged with a tooth on the friction clutch hub assembly (38).

(4) Install the retaining ring (31) on the reverse clutch pivot (32).

(5) Tighten the clamp screw (26) into the bearing bracket (30)

(6) Check the Capstan Drive Mechanism

Backspace Adjustment, paragraph 4-112.2.



LEFT HAND

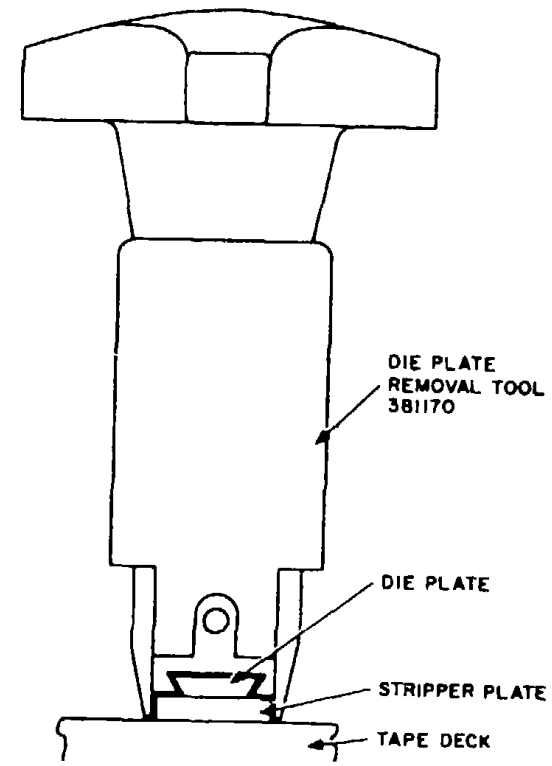
RIGHT HAND

TM7440-222-15-C6-167

Figure 4-28. Clutch bank assemblies, exploded view.

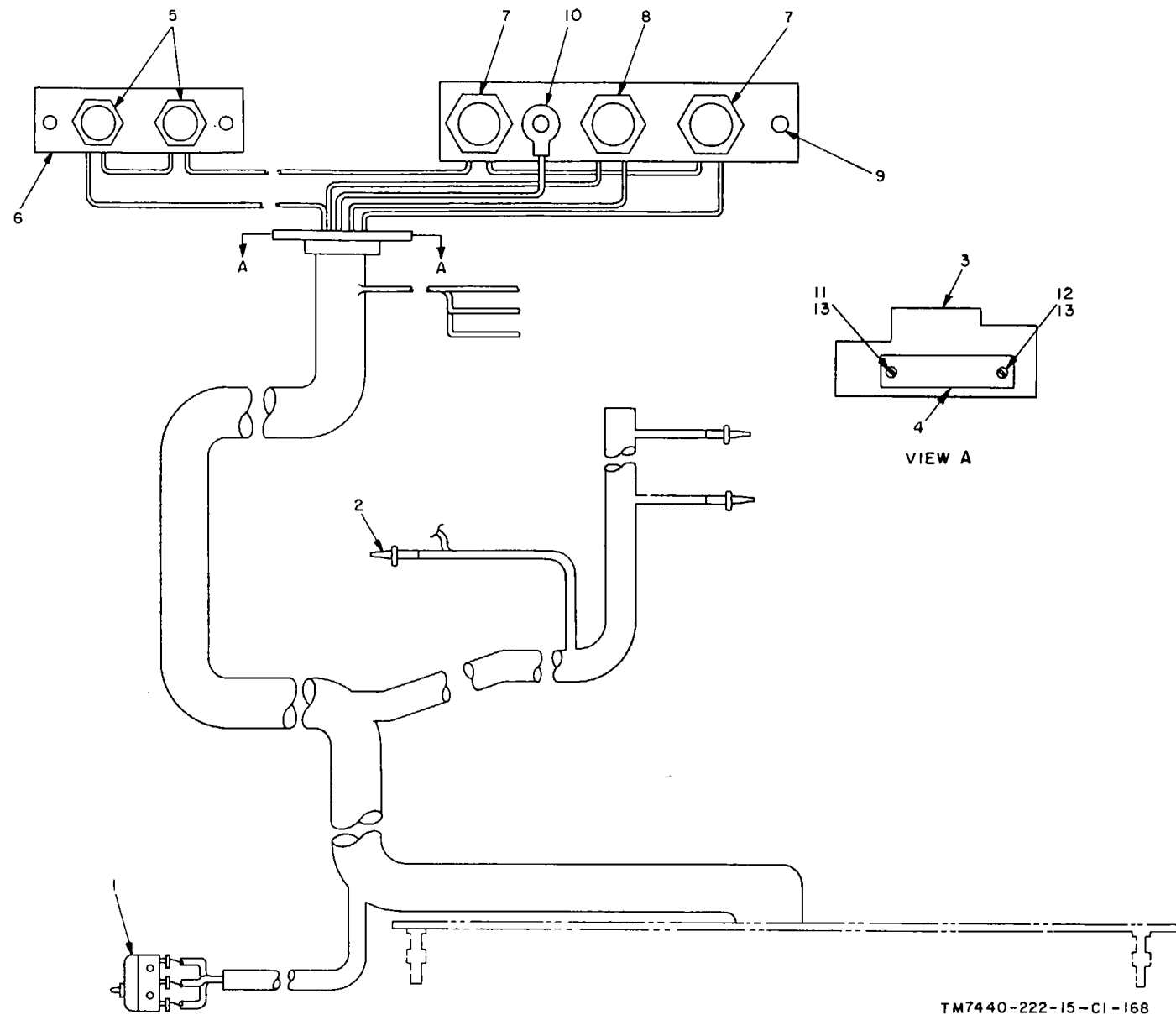
LEGEND FOR FIGURE 4-28

- | | | | | | | | |
|-----|--|------|--|------|---|------|---|
| 1 | Escapement bracket adjust screw | 9.2 | Left-hand coil and frame | 18. | Upper right-hand rebound spring bracket | 25 | Control sleeve assembly |
| 2 | Armature punch clutch latch | 10 | Screw, cap, socket head, No. 6-32, 1/4 in. long | 18.1 | Lower right-hand rebound spring bracket | 26 | Shim, 0.003 in. thick |
| 3 | Antiresidual shim | 11 | Lockwasher, internal tooth, No. 6 | 19 | Upper left-hand rebound spring bracket | 26.1 | Shim, 0.005 in. thick |
| 4 | Actuator spring | 12 | Upper right-hand escapement bracket | 19.1 | Lower left-hand rebound spring bracket | 26.2 | Shim, 0.010 in. thick |
| 5 | Nut, hex, No. 6-32 | 12.1 | Lower right-hand escapement bracket | 20 | Retaining ring | 27 | Thrust washer, 1/4 by 1/2, 0.062 in. thick |
| 6 | Spring tension adjust screw | 13. | Upper left-hand escapement bracket | 21 | Retaining ring | 28 | Bushing |
| 7 | Screw, panhead, No. 4-48, 1/8 in. long | 13.1 | Lower left-hand escapement bracket | 22 | Upper left-hand gear and clutch shaft assembly | 29 | Bushing (lower right only) |
| 8 | Upper right-hand coil frame assembly | 14 | Screw, panhead, No. 4-40, 1/8 in. long | 22.1 | Lower left-hand gear and clutch shaft assembly | 30 | Screw, cap, socket head, No. 6-32, 3/8 in. long |
| 8.1 | Lower right-hand coil frame assembly | 15 | Upper and lower right-hand armature limit assembly | 22.2 | Upper right-hand gear and clutch shaft assembly | 31 | Lockwasher, internal tooth, No 6 |
| 8.2 | Right-hand coil and frame | 16 | Upper and lower left-hand armature limit assembly | 22.3 | Lower right-hand gear and shaft assembly | 32 | Bearing bracket |
| 9 | Upper left-hand coil frame assembly | 17 | Screw, flathead, No. 4-40, 1/4 in. long | 23 | Spring clutch assembly | | |
| 9.1 | Lower left-hand coil frame assembly | | | 24 | Rebound spring | | |



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Figure 4-28.1. Removal of die plate and stripper plate.



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- | | | |
|--|---|--|
| 1 Microswitch | 8 Electrical receptacle connector (J7) | 12 Screw, panhead, No. 4-40, 5/16 in. long |
| 2 Taper pin | 9 Right hand connector mounting plate | 13 Lockwasher, split, No. 4 |
| 3 Plate | 10 Terminal lug | |
| 4 Cable bushing | 11 Screw, panhead, No. 4-40, 3/16 in. long. | |
| 5 Electrical receptacle connector (J5, J6) | | |
| 6 Left hand connector mounting plate | | |
| 7 Electrical receptacle connector (J3, J4) | | |

Figure 4-29. Punch mechanism cable assembly, component location diagram.

4-63. Removal and Replacement of Motor

a. *Removal.* Remove motor (166, fig. 4-21) as follows:

- (1) Remove the three screws (163) and lockwashers (164), and carefully separate motor (166) from mounting rack panel.
- (2) Carefully pull drive gear assembly (157) off the motor shaft.

NOTE

Inspect the front motor end bell and rear of mounting rack panel for oil leaks. If oil leakage is present, perform the following steps, before replacing the motor, to correct this problem.

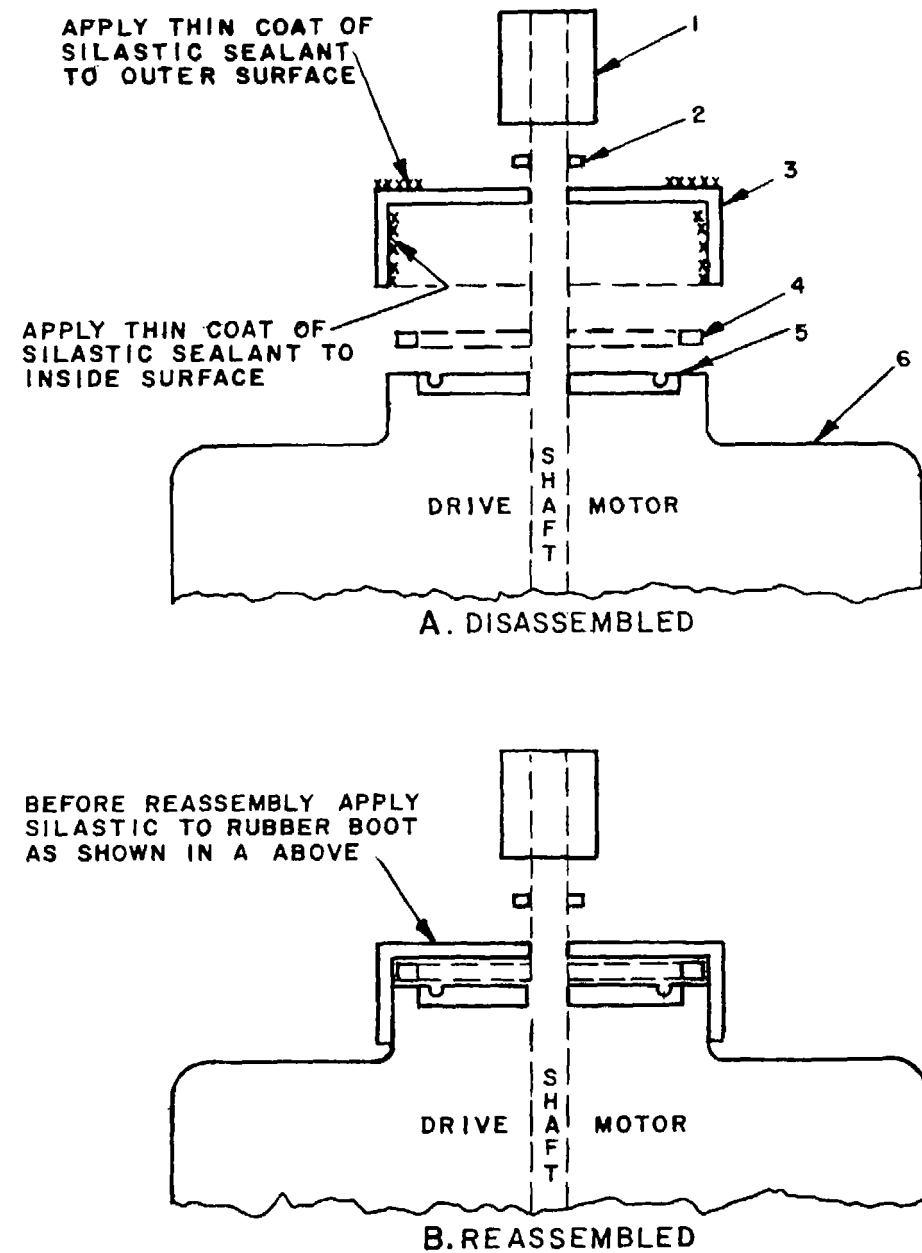
- (3) Inspect motor boot (162) for oil leakage. If motor boot is defective, slide oil slinger washer (2, fig. 4-29.1) off the motor shaft.
- (4) Remove the motor boot (3).

b. *Replacement.* If no oil leakage is present, replace the perforator drive motor by reversing procedures (1) and (2) in a above.

NOTE

If oil leakage is present around the motor boot, perform the following steps (1) through (15). If there is oil leakage from the front motor end bell, follow instructions given in step (16).

- (1) Thoroughly clean front motor end bell metal surfaces which contact boot, and rear of mounting rack panel in area where motor is mounted, as well as all surfaces of old motor boot, if reused.
 - (a) For cleaning, use trichloroethane; or preferably, Freon TF (NSN 6850-00-033-8851).
 - (b) This cleaning is required to assure proper adhesion of Silastic Sealant 891RTV (NSN 8040-00-914-7013).
- (2) Apply a thin coat of silastic sealant to areas indicated by X's in A, figure 4-29.1.
- (3) Mount motor boot ring (4) next to end bell motor housing.
- (4) Slide new or former rubber boot (3) oh end bell motor housing until it is firmly seated.
- (5) Slide oil slinger washer (2) on shaft.
- (6) Mount drive gear (1) on shaft.
- (7) Carefully slide the motor through the mounting rack panel. If motor starts to bind and will not seat against the panel properly, *stop immediately* and withdraw the motor back out of the mounting rack panel. This is an indication that the drive gear and clutch bank drive gears are not properly meshing together.
- (8) If (7) above happens, drain the mechanism oil from oil pan.
- (9) Remove the 12 screws holding the oil pan to the tape deck and panel.
- (10) Carefully remove the oil pan.
- (11) Carefully slide motor through mounting rack panel, at the same time observing the motor drive gear and clutch bank drive gears for proper meshing. If they don't mesh, move the clutch bank drive gears until they are properly meshed and the motor is firmly seated against the rear panel.
- (12) Following either step (7) or step (11), replace motor mounting screws and washers.
- (13) Check silastic sealant on oil pan and replace with two part Silastic RTV 882 (NSN 8040-00-964-0471) if it is deemed necessary. Remount oil pan and replace mounting screws. Also, allow sufficient time for new silastic sealant to cure (approximately 30 minutes), prior to refilling with oil.
- (14) Replace oil to proper level. If old oil is starting to darken, replace with new oil.
- (15) Steps (1) through (14) above should correct oil leaks which originate around the motor boot.
- (16) Note that the motor has a rawhide seal (5) in the motor housing on the drive shaft side. The purpose of the seal is to prevent oil leaking into the motor. If this seal is defective, oil may leak out through the end bell. If this condition exists, the motor must be replaced. The defective motor must be returned to depot for repair because this seal cannot be replaced on-site due to the special procedure required.



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LEGEND FOR FIG. 4-29.1

- | | |
|----------------------|--------------------------|
| 1 Drive gear | 4 Motor boot ring |
| 2 Oil slinger washer | 5 Rawhide seal |
| 3 Motor boot | 6 Perforator drive motor |

Figure 4-29.1. Disassembly and reassembly of rubber boot for motor.

4-64. Disassembly and Reassembly of Motor

- a. *Disassembly.* Disassemble motor (166, fig. 4-21) by following the sequence of index numbers in figure 4-31.
- b. *Reassembly.* To reassemble motor (166, fig. 4-21), reverse the disassembly procedure in a above.

4-65. Removal and Replacement of Component Wiring Assembly

- a. *Removal.* Remove component wiring assembly (17, figure 4-32) as follows:
 - (1) Remove the four screws (12), lockwashers (13), washers (14), and high voltage cover assembly (15).
 - (2) Disconnect tension arm spring (18) from component wiring assembly (17).
 - (3) Disconnect the leads, remove the four nuts (16), and carefully separate component wiring assembly (17), with the items mounted on it, from panel assembly (73). Remove the items mounted on the motor shaft.
- b. *Replacement.* To replace component wiring assembly (17, fig. 4-32), reverse the removal procedure in a above.

4-66. Disassembly and Reassembly of Component Wiring Assembly

- (fig. 4-33)
- a. *Disassembly.* Disassemble component wiring assembly (17, fig. 4-32) by disconnecting the leads and following the sequence of index numbers in figure 4-33.
- b. *Reassembly.* To reassemble component wiring assembly (17, fig. 4-32), reverse the disassembly procedure in a above. When reassembling the two microswitches (8, fig. 4-33), perform the adjustment procedures described in paragraph 4-116.

4-67. Removal, Replacement, Disassembly, and Reassembly of Reeling Motor

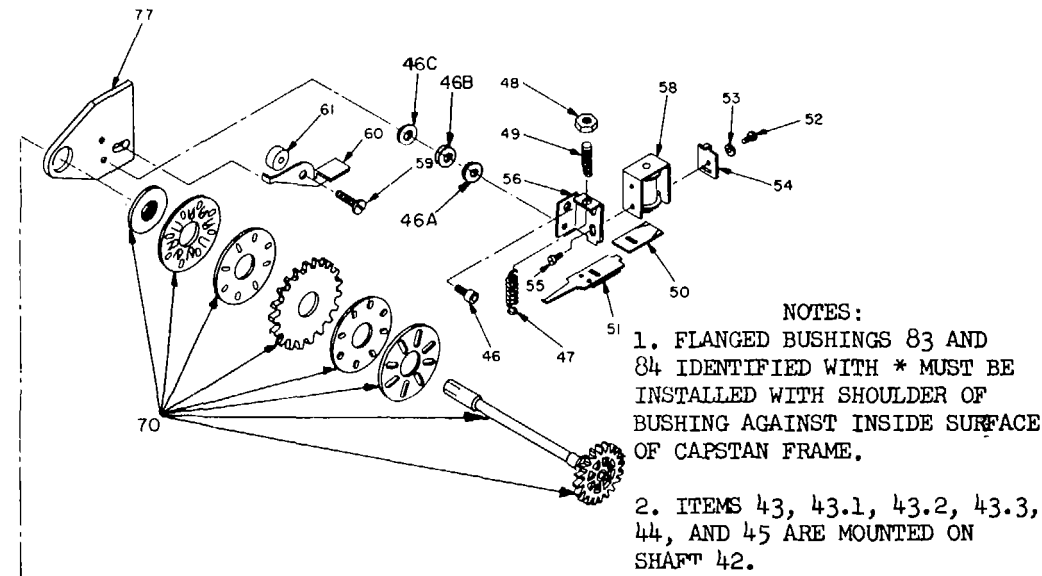
- a. *Removal.* Remove reeling motor (20, fig. 4-33) by disconnecting the leads, removing the four screws (17), lockwashers (18), and washers (19), and separating the motor from motor and connector bracket assembly (22).
- b. *Replacement.* To replace reeling motor (20, fig. 4-33), reverse the removal procedure in a above.
- c. *Disassembly.* The reeling motor is a sealed, nonrepairable item. Replace defective units.
- d. *Reassembly.* Not applicable (refer to c above).

4-68. Removal and Replacement of Detent Housing Assembly

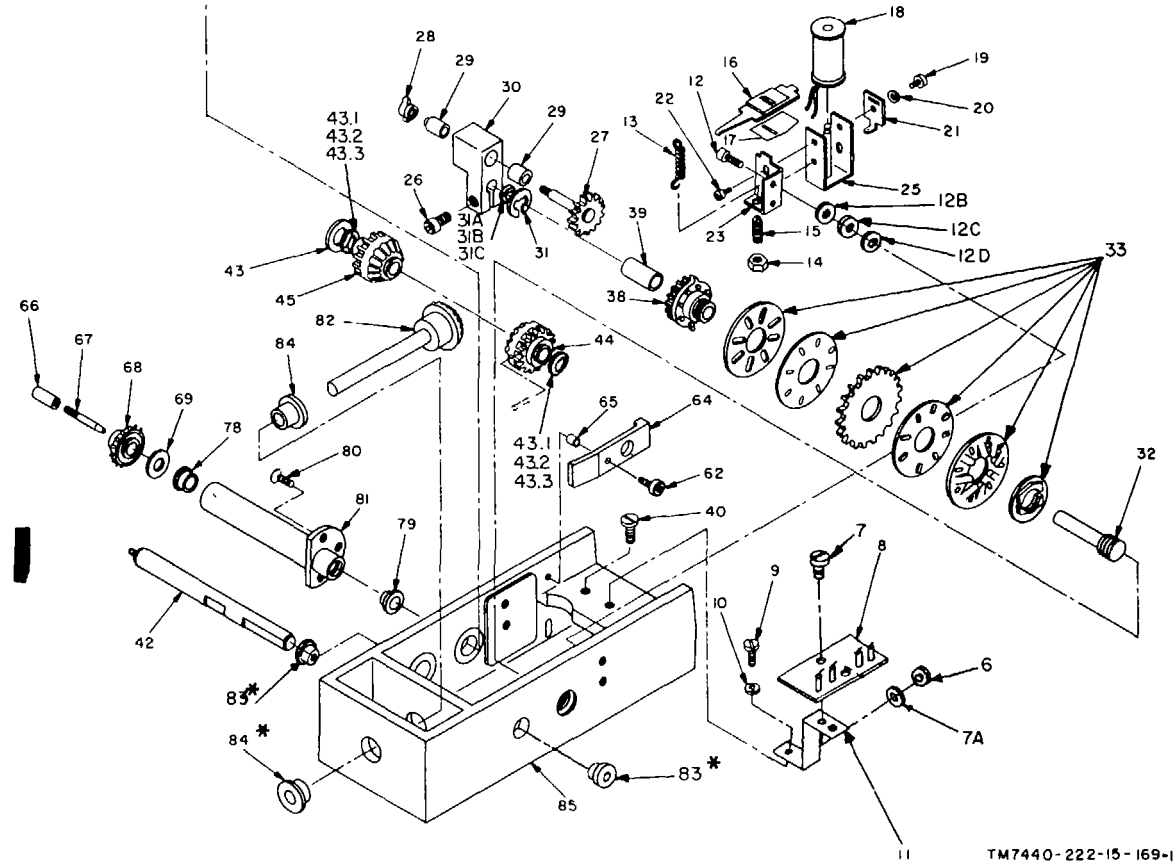
- (fig. 4-32)
- a. *Removal.* Remove the detent housing assembly (items 54 through 65, fig. 4-32) by removing the two screws (49), lockwashers (50), and washers (51), and separating the assembly from detent housing standoff (52).
- b. *Replacement.* To replace the detent housing assembly (items 54 through 65, fig. 4-32), reverse the removal procedure in a above.

4-69. Disassembly and Reassembly of Detent Housing Assembly

- (fig. 4-32)
- a. *Disassembly.* Disassemble the detent housing assembly by following the sequence of index numbers (54 through 65, fig. 4-32).
- b. *Reassembly.* To reassemble the detent housing assembly, reverse the disassembly procedure in a above and note the following special procedures:



NOTES:
 1. FLANGED BUSHINGS 83 AND 84 IDENTIFIED WITH * MUST BE INSTALLED WITH SHOULDER OF BUSHING AGAINST INSIDE SURFACE OF CAPSTAN FRAME.
 2. ITEMS 43, 43.1, 43.2, 43.3, 44, AND 45 ARE MOUNTED ON SHAFT 42.



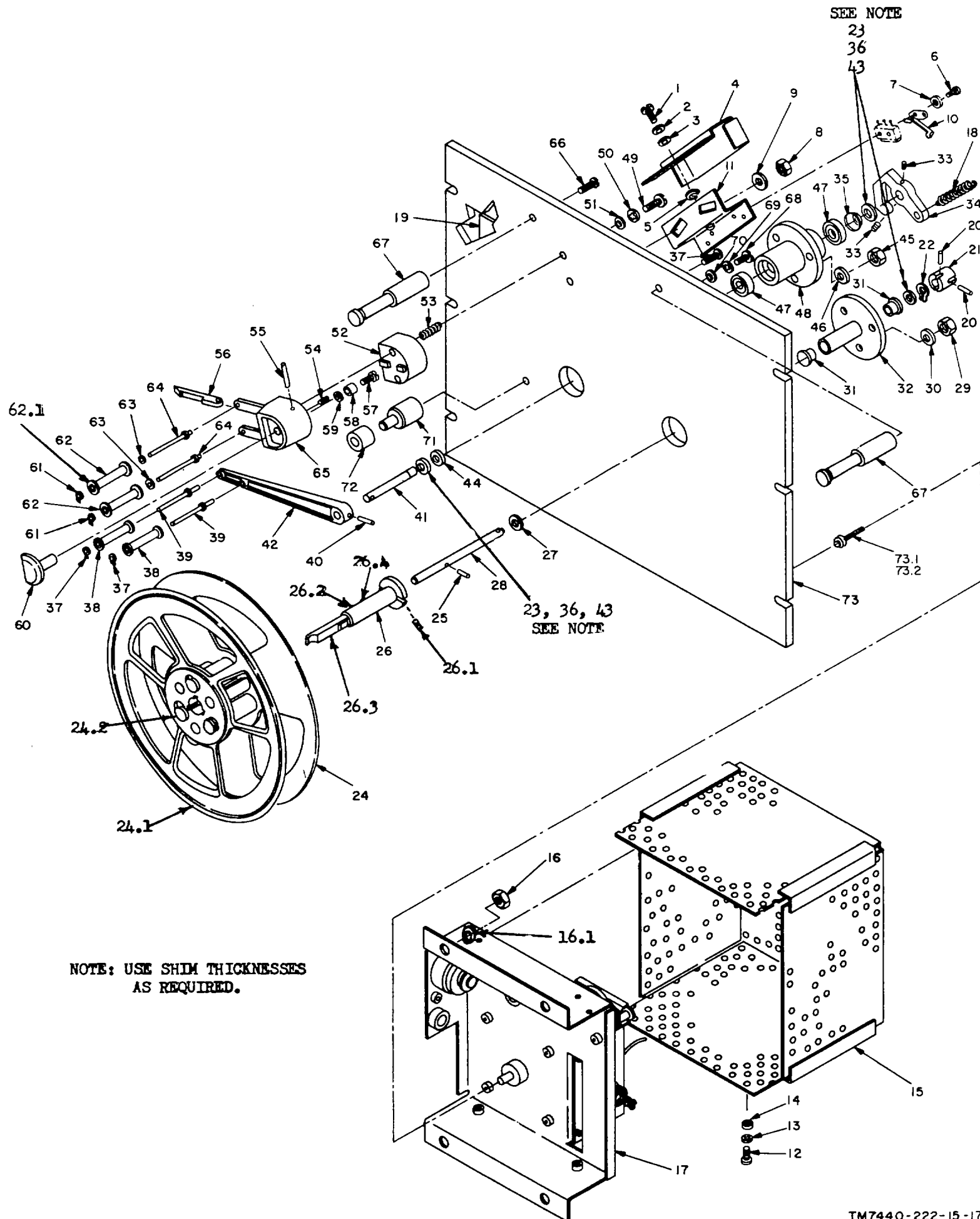
1 Screw
 2 Nut
 3 Front end housing
 4 Rear end housing
 5 Main housing
 6 Oil seal

Figure 4-31. Motor assembly, exploded view.

Figure 4-30. Captain drive mechanism assembly, exploded view.

- | | | |
|---|---|--|
| 1 Deleted | 28 Reverse stepper | 51 Armature assembly |
| 2 Deleted | 29 Bearing | 52 Screw, panhead, No. 4-48, 1/4 in. long |
| 3 Deleted | 30 Bearing bracket | 53 Lockwasher, split, No. 4 |
| 4 Deleted | 31 Retaining ring | 54 Escapement limit |
| 5 Deleted | 31A Shim, 0.003 in. thick | 55 Screw, panhead, No. 4-48, 1/4 in. long |
| 6 Nut, hex, No. 4-40 | 31B Shim, 0.005 in. thick | 56 Latch actuator bracket |
| 7 Screw, panhead, No. 4-40, 5/16 in. long | 31C Shim, 0.010 in. thick | 57 Deleted |
| 8 Escapement coil interface assembly | 32 Reverse clutch pivot | 58 Coil frame assembly |
| 9 Screw, panhead, No. 4-40, 1/4 in. long | 33 Reverse clutch assy | 59 Screw, panhead, No. 6-32, 1/4 in. long |
| 10 Lockwasher, internal tooth, No. 4 | 34 Deleted | 60 Adjust lever |
| 11 Mounting board bracket | 35 Deleted | 61 Capstan spacer |
| 12 Screw, cap, socket head, No. 4-40, 5/16 in. long | 36 Deleted | 62 Screw, cap, socket head, No. 6-32, 1/4 in. long |
| 12A Lockwasher, split, No. 4 | 37 Deleted | 63 Deleted |
| 12B Shim, 0.003 in. thick | 38 Deleted | 64 Adjusting plate clamp |
| 12C Shim, 0.005 in. thick | 39 Friction clutch body assembly | 65 Adjusting plate clamp spacer |
| 12D Shim, 0.010 in. thick | 40 Screw, panhead, No. 6-32, 1/4 in. long | 66 Collet pin cap |
| 13 Actuator spring | 41 Deleted | 67 Collet pin |
| 14 Nut, hex, No. 6-32 | 42 Capstan drive shaft | 68 Capstan assembly |
| 15 Spring tension adjust screw, No. 6-32 | 43 Thrust washer, 1/4 by 1/2, 1/8 in. thick | 69 Shim |
| 16 Armature assembly | 43.1 Shim, 0.003 in. thick | 70 Forward clutch assy |
| 17 Antiresidual shim | 43.2 Shim, 0.005 in. thick | 71 Deleted |
| 18 Electric magnet assembly coil | 43.3 Shim, 0.010 in. thick | 72 Deleted |
| 19 Screw, panhead, No. 4-48, 1/4 in. long | 44 Bevel gear cluster assembly (with setscrew) | 73 Deleted |
| 20 Lockwasher, split, No. 4 | 45 Bevel gear cluster assembly (with setscrew) | 74 Deleted |
| 21 Escapement limit | 46 Screw, cap socket head, No. 4-40, 1/8 in. long | 75 Deleted |
| 22 Screw, panhead, No. 4-48, 1/4 in. long | 46A Shim, 0.003 in. thick | 76 Capstan adjust plate |
| 23 Latch actuator bracket | 46B Shim, 0.005 in. thick | 78 Ball bearing |
| 24 Deleted | 46C Shim, 0.010 in. thick | 79 Ball bearing |
| 25 Coil frame | 47 Actuator spring | 80 Screw, flathead, No. 4-40, 1/16 in. long |
| 26 Screw, cap, socket head, No. 8-32, 1/2 in. long | 48 Nut, hex, No. 6-32 | 81 Tube bearing support |
| 27 Capstan reverse assembly gear | 49 Spring tension adjust screw, No. 6-32 | 82 Drive shaft and gear assembly |
| | 50 Antiresidual shim | 83 Flanged bushing |
| | | 84 Flanged bushing |
| | | 85 Capstan frame |

Figure 4-30. - Continued.



NOTE: USE SHIM THICKNESSES AS REQUIRED.

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- | | | | |
|---|--|--|--|
| 1 Screw, panhead, No. 6-32, 3/4 in. long | 17 Component wiring assembly | 34 Tension arm cam | 55 Detent lever shaft |
| 2 Lockwasher, internal tooth, No. 6 | 18 Tension arm spring | 35 Washer | 56 Latch |
| 3 Washer, plain, No. 6 | 19 Identification label | 36 Shim 0.005" thick | 57 Screw, button head, No. 4-40, 1/4 in. long |
| 4 Microswitch cover | 20 Groove pin, 3/32, dia., 5/8 in. long | 37 Retaining ring | 58 Spacer |
| 5 Grommet | 21 Coupling | 38 Tension arm roller assembly | 59 Washer, flat, No. 4 |
| 6 Screw, panhead, No. 2-56, 3/8" long | 22 Grip ring | 39 Tension arm roller pin | 60 Push button |
| 7 Lockwasher, internal tooth, No. 2 | 23 Shim 0.003" thick | 40 Groove pin, 0.062 dia., 1/2 in. long | 61 Grip ring |
| 8 Nut, hex, 1/4-20 | 24 Plastic reel, 8 1/2 in. dia | 41 Tension arm shaft | 62 Tension arm roller assembly |
| 9 Washer, flat, 1/4 | 24.1 Plastic reel | 42 Tension arm | 62.1 Bushing |
| 10 Switch actuator | 24.2 Reel step | 43 Shim 0.010" thick | 63 Shim 0.010" thick |
| 11 Microswitch bracket assembly | 25 Groove pin, 3/32 dia., 5/8 in. long | 44 Spacer | 64 Roller pin |
| 12 Screw, panhead, No. 8-32, 3/8 in. long | 26 Reel adapter | 45 Nut, hex 1/4 | 65 Detent housing |
| 13 Lockwasher, internal tooth, No. 8 | 26.1 Setscrew, 6-32, 1/4" | 46 Washer, flat, 1/4 | 66 Screw, flathead, No. 6-32, 1/2 in. long |
| 14 Washer, plain, No. 8 | 26.2 Adapter | 47 Ball bearing | 67 Tape roller assembly |
| 15 High voltage cover assembly | 26.3 Reel retainer | 48 Tension arm shaft bearing tube | 68 Screw, panhead, No. 8-32, 5/8 in. long |
| 16 Nut, hex, 1/4-20 | 26.4 Roll pin 1/16 x 3/8 | 49 Screw, panhead, No. 8-32, 1 1/4 in. long | 69 Lockwasher, internal tooth, No. 8 |
| 16.1 Washer, flat, 1/4" | 27 Spacer | 50 Lockwasher, internal tooth, No. 8 | 70 Washer, plain, No. 8 |
| | 28 Reel drive shaft | 51 Washer, plain, No. 8 | 71 Tension arm stop |
| | 29 Nut, hex, 1/4-20 | 52 Detent housing standoff | 72 Stop cushion |
| | 30 Washer, flat, 1/4 | 53 Compression spring | 73 Panel assembly |
| | 31 Bushing | 54 Setscrew, socket head, No. 4-40, 1/8 in. long | 73.1 Panel stud, 3/8 x 24 1/4 x 20 |
| | 32 Reel shaft bearing tube | | 73.2 Welded stud, 1/4 x 20 (alternate for item 73.1) |
| | 33 Setscrew, socket head, No. 8-32, 1/4 in. long | | |

Figure 4-32. Tape handler, exploded view.

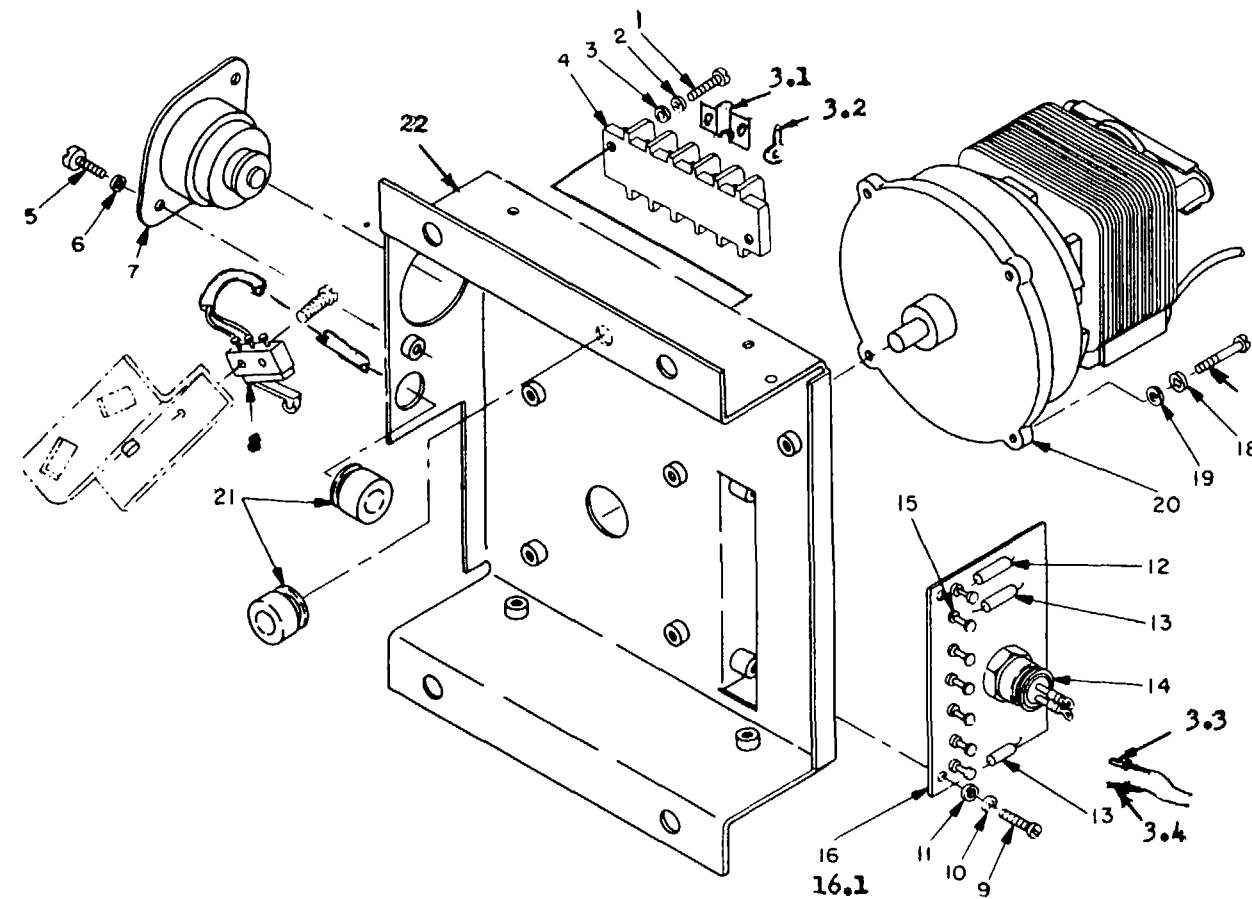


Figure 4-33. Component wiring assembly, exploded view.

- | | | |
|--|--|---|
| 1 Screw, panhead, No. 6-32, 5/8 in. long | 9 Screw, panhead, No. 6-32, 1/2 in. long | 15 Terminal (E1 through E7) |
| 2 Lockwasher, internal tooth, No. 6 | 10 Lockwasher, internal tooth, No. 6 | 16 Suppression network circuit board |
| 3 Washer, plain, No. 6 | 11 Washer, flat, No. 6 | 16.1 Circuit card assembly |
| 4 Terminal strip (TB1) | 12 Resistor, 100 ohms, ±10%, 1 w (R1) | 17 Screw, panhead, No. 6-32, 1/2 in. long |
| 5 Screw, panhead, No. 6-32, 1/4 in. long | 13 Capacitor, 0.1 µf, 200 vdcw (C1, C2) | 18 Lockwasher, internal tooth, No. 6 |
| 6 Lockwasher, internal tooth, No. 6 | 14 Transistor, 6 amp, 200 v (Q1) | 19 Washer, flat, No. 6 |
| 7 Connector (P1) | | 20 Reel drive motor |
| 8 Microswitch (SW1) | | 21 Grommet |
| 3.1 Jumper | | 22 Motor and connector bracket assembly |
| 3.2 Terminal lug | | |
| 3.3 Taper pin, elec contact | | |
| 3.4 Taper pin | | |

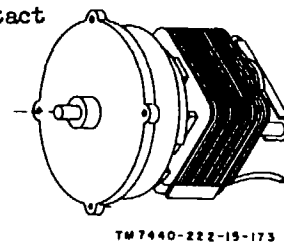


Figure 4-34. Reeling motor, exploded view.

(1) When reassembling tension arm roller assemblies (62, fig. 4-32) on roller pins (64), perform the clearance adjustment procedure described in paragraph 4-117.

(2) When reassembling retaining rings (61) on roller pins (64), allow a clearance of 0.01 to 0.03 inch between the retaining rings and the end of tension arm roller assemblies (62).

4-70. Removal and Replacement of Tension Arm Assembly

(fig. 4-32)

a. *Removal.* Remove the tension arm assembly (items 37 thru 42, fig. 4-32) by removing the setscrew (33) from cam assembly (34) and carefully sliding the tension arm assembly out of the cam, ball bearings (44) and tension arm shaft bearing tube (48).

b. *Replacement.* To replace the tension arm assembly (items 37 thru 42, fig. 4-32), reverse the removal procedure in a above. Perform the end play adjustment procedures described in paragraphs 4-118 and 4-119.

4-71. Disassembly and Reassembly of Tension Arm Assembly

(fig. 4-32)

a. *Disassembly.* Disassemble the tension arm assembly by following the sequence of index numbers 37 thru, 42, fig. 4-32).

b. *Reassembly.* To reassemble the tension arm assembly, reverse the disassembly procedure in a above. When reassembling retaining rings (37, fig. 4-32) in tension arm roller pins (39), allow a clearance of 0.01 to 0.05 inch between the retaining rings and the end of tension arm roller assemblies (38).

Section VI. DISASSEMBLY AND REASSEMBLY OF PRINTER INTERPRETER

4-72. Disassembly and Reassembly of Printer Interpreter Mechanism and Drive Electronics Assembly

(fig. 4-35)

a. *Disassembly.* Disassemble the printer interpreter mechanism and drive electronics assembly (9, fig. 4-10) by following the sequence of index numbers in figure 4-35. For removal and replacement of individual components or subassemblies for preventive and corrective maintenance refer to the suggested sequence of paragraphs 4-73 through 4-94.

b. *Reassembly.* Reassemble the printer interpreter mechanism and drive electronics assembly (9, fig. 4-10) by reversing the disassembly procedure in a above.

4-73. Removal, Replacement, Disassembly, and Reassembly of Printer Mechanism and Panel Assembly

a. *Removal.*

(1) Disconnect the interface connections and the chassis ground lead.

(2) Remove five screws (16, fig. 4-35) and separate the printer mechanism and panel assembly (18) from the chassis assembly (32).

b. *Replacement.* Replace the printer mechanism and panel assembly (18) by reversing the removal procedure in a above.

c. *Disassembly.* Disassemble the printer mechanism and panel assembly (18, fig. 4-35) by following the sequence of index numbers in figure 4-36. For removal and replacement of individual components or subassemblies for preventive and corrective maintenance refer to paragraphs 4-75 through 4-94.

d. *Reassembly.* Reassemble the printer mechanism and panel assembly (18, fig. 4-35) by reversing the disassembly procedure in c above.

4-74. Disassembly and Reassembly of Electronic Chassis Assembly and Printer Electrical and Phototransistor Cable Assemblies

a. *Disassembly and Reassembly of Electronic Chassis Assembly.*

(1) *Disassembly.* Disassemble the electronic chassis assembly (32, fig. 4-35) by following the sequence of index numbers in figure 4-37.

(2) *Reassembly.* Reassemble the electronic chassis assembly (32, fig. 4-35) by reversing the disassembly procedure in (1) above.

Note.

If the variable threshold receiver card was replaced, perform the variable threshold receiver potentiometer adjustment procedures (para 4-135).

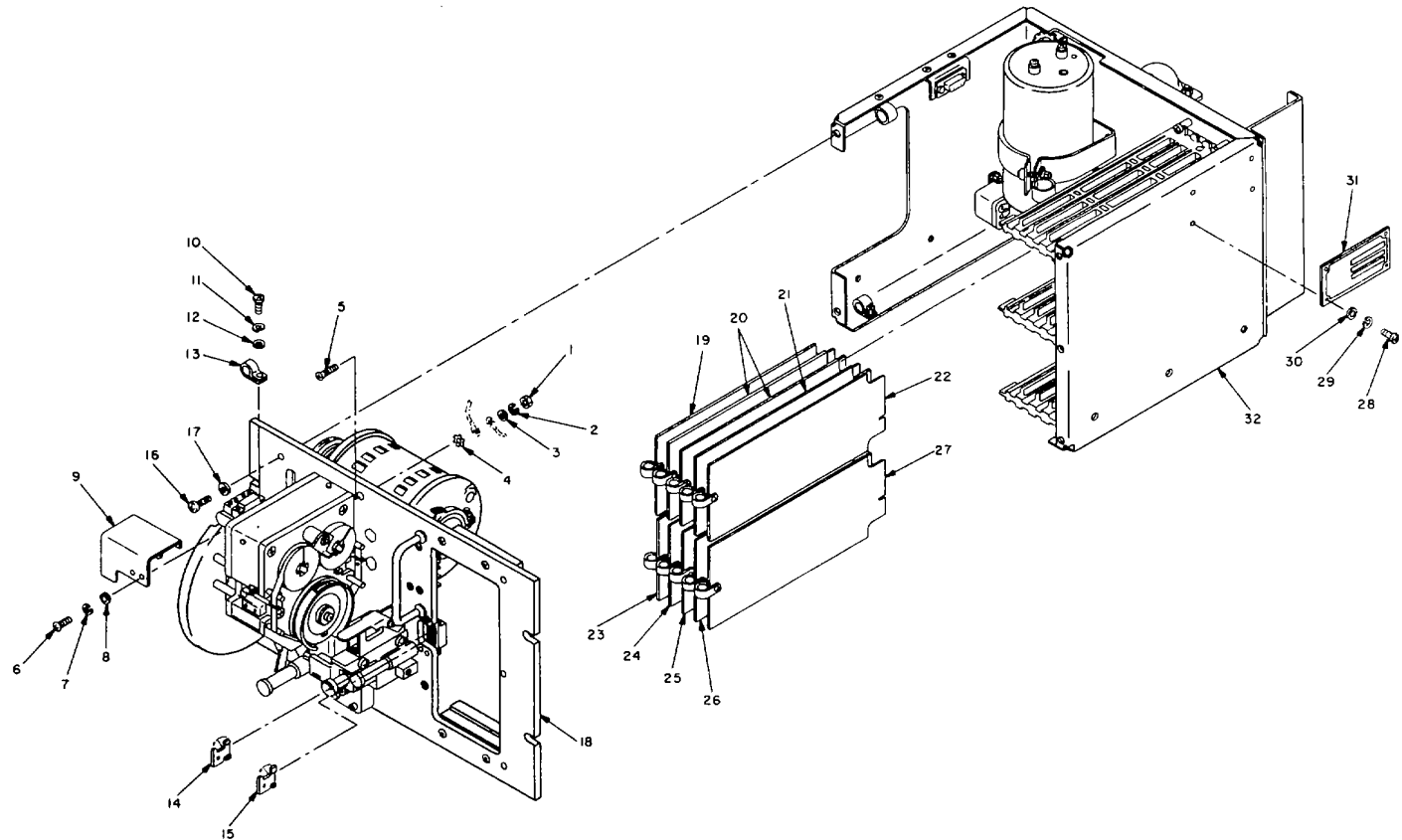
b. *Disassembly and Reassembly of Printer Electrical Cable Assembly.*

(1) *Disassembly.* Remove and disassemble the printer electrical cable assembly (54, fig. 4-37) by following the sequence of index numbers in figure 4-38.

(2) *Reassembly.* Reassemble the printer electrical cable assembly (54, fig. 4-37) by reversing the disassembly procedure in (1) above. If rewiring is necessary, apply a light coating of varnish TUF-ON 747-S, to all spot ties.

c. *Disassembly and Reassembly of Phototransistor Cable Assembly.*

(1) *Disassembly.* Remove and disassemble the phototransistor cable assembly (60, fig. 4-37) by following the



- | | | | |
|---|---|--|---|
| 1 Hex. nut, No. 6-32 | 9 Code disk connector cover | 17 Washer, No. 8 | 25 PC card receiver V. T. (fig. 5-26) A3A2B2 |
| 2 Lockwasher, No. 6 | 10 Screw, panhead, No. 6-32, 3/8 in. long | 18 Printer mechanism and panel assembly (fig. 4-36) A3A2A1 | 26 PC card logic 4 (fig. 5-23) A3A2B3 |
| 3 Washer, No. 6 | 11 Lockwasher, No. 6 | 19 PC card IN 1062 (fig. 5-25A) A3A2A0 | 27 PC card logic 3A (fig. 5-22) A3A2B4 |
| 4 Lockwasher, external tooth, No. 6 | 12 Washer, No. 6 | 20 PC card logic 1 (fig. 5-20) A3A2A1, A2 | 28 Screw, panhead, No. 2-56, 3/16 in. long |
| 5 Screw, flathead, No. 6-32, 3/8 in. long | 13 Cable clamp | 21 PC card logic 5 (fig. 5-25B) A3A2A3 | 29 Lockwasher, No. 2 |
| 6 Screw, panhead, No. 6-32, 1/4 in. long | 14 Fuse, 1/4 amp (F1) | 22 PC card logic 2 (fig. 5-21) A3A2A4 | 30 Washer, No. 2 |
| 7 Lockwasher, No. 6 | 15 Fuse, 1 amp (F2) | 23 PC card ribbon control (fig. 5-19) A3A2B0 | 31 Nameplate |
| 8 Washer, No. 6 | 16 Screw, panhead, No. 8-32, 3/8 in. long | 24 PC card printer 1 (fig. 5-24) A3A2B1 | 32 Electronic chassis assembly (fig. 4-37) A3A2 |

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Figure 4-35. Printer interpreter mechanism and drive electronics assembly, exploded view.

sequence of index numbers in figure 4-39.

(2) *Reassembly.* Reassemble the phototransistor cable assembly (60, fig. 4-37) by reversing the disassembly procedure in (1) above. If rewiring is necessary, apply a light coating of varnish, TUF-ON 747-S, to all spot ties.

4-75. Removal and Replacement of Code Disk

Caution: During removal and replacement of the code disk, care should be exercised to avoid scratching the emulsion side of the disk.

a. *Removal.* Hold the drive pulley flywheel (30, fig. 4-42) securely, unfasten the captive screw (4), and carefully remove the screw, code disk clamp (7) and the code disk (1 or 1.1, fig. 4-36).

b. *Replacement.*

(1) Select the desired code disk (ASCII or ITA-2) for installation. Check to see that the part number is readable and the sequence arrow points clockwise.

(2) Mount the code disk on the code disk clamp (7, fig. 4-42). Align the pin in the code disk clamp with the mating holes in the code disk and in the drive pulley (29). Insert the captive screw (4) and washer (5) into the hole in the code disk clamp and screw the screw into the clamp. Hold the drive pulley flywheel (30) securely and tighten the captive screw (4).

4-76. Removal and Replacement of Drive Belt

a. *Removal*

- (1) Remove the code disk as described in paragraph 4-75.
- (2) Loosen the mounting nut (8, fig. 4-36) that secures the idler pulley subassembly to the motor mounting frame.
- (3) Turn the screw (5) and pivot the idler pulley subassembly to decrease tension on the drive belt (2).
- (4) Remove the drive belt (2).

b. *Replacement.*

- (1) Replace the drive belt (2) by reversing the removal procedure in a above.
- (2) Perform the belt tension adjustment procedure (para 4-120).

4-77. Removal and Replacement of Drive Motor Assembly

(fig. 4-36)

a. *Removal.*

- (1) Remove the drive belt (2, fig. 4-36) as described in paragraph 4-76.
- (2) Remove the motor pulley (4) by loosening the setscrew (3).
- (3) Disconnect the ground wire from the panel by removing screw (5, fig. 4-35).
- (4) Disconnect the four motor leads from terminal strip TB1 (37, fig. 4-36).
- (5) Remove the two clamps from the mounting frame by loosening the clamp screws.
- (6) Remove drive motor assembly (16) by lifting the motor back, up, and out from the mounting frame.

Note. Note the mounting position of drive motor assembly (16).

(7) Remove the ground wire from the drive motor assembly (16).

b. *Replacement.*

- (1) Connect the ground wire to the drive motor assembly (16, fig. 4-36).
- (2) Install drive motor assembly (16) by placing the motor down, forward, and in on the mounting frame.
- (3) Secure drive motor assembly (16) in its proper mounting position by installing the two clamps on the mounting frame and tightening the clamp screws.

(4) Connect each of the four motor leads to the proper terminal on terminal strip TB1 (37) and tighten the connecting screws.

(5) Connect the ground wire to the panel and secure with screw (5, fig. 4-35.)

(6) Position the motor pulley (4, fig. 4-36) on the motor shaft.

Note. For 60-cycle operation the smaller diameter wheel must be used (large wheel face out), and for cycle operation the larger diameter wheel must be used (small wheel face out).

(7) Align the motor pulley (4) with respect to the other pulleys in accordance with the pulley alignment procedure (para 4-121).

(8) Apply a light coating of clear staking varnish, Glyptol No. 1153, to the threads of the pulley setscrew (3). Secure the motor pulley to the shaft by tightening the setscrew (3).

(9) Install drive belt (2) as described in paragraph 4-76, and perform the belt tension adjustment procedure (paragraph 4-120).

4-78. Disassembly and Reassembly of Drive Motor Assembly

(fig. 4-40)

a. *Disassembly.* Disassemble drive motor assembly (16, fig. 4-36) by following the sequence of index numbers in figure 4-40.

b. *Reassembly.* To reassemble drive motor assembly (16, fig. 4-36), reverse the disassembly procedure in a above.

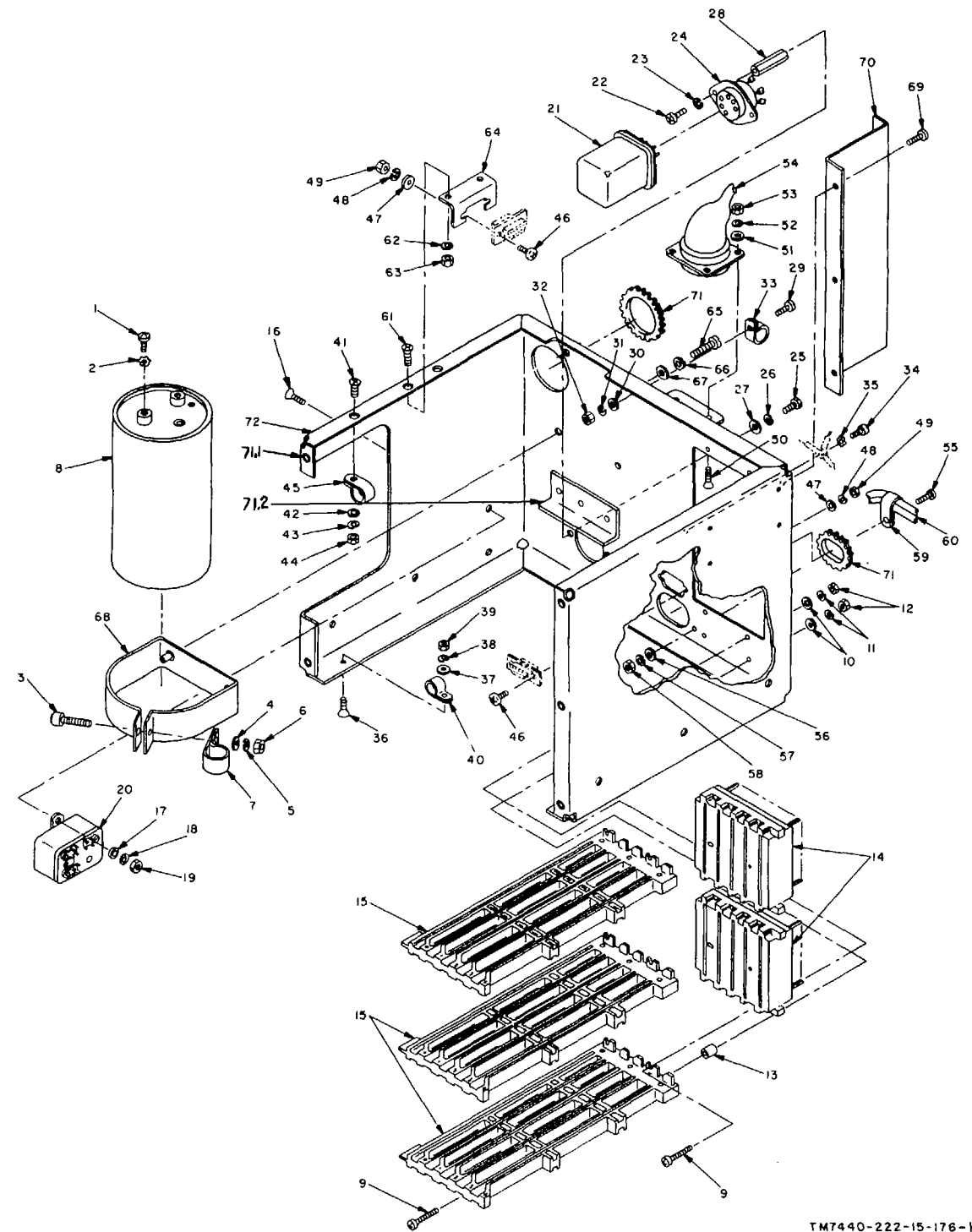
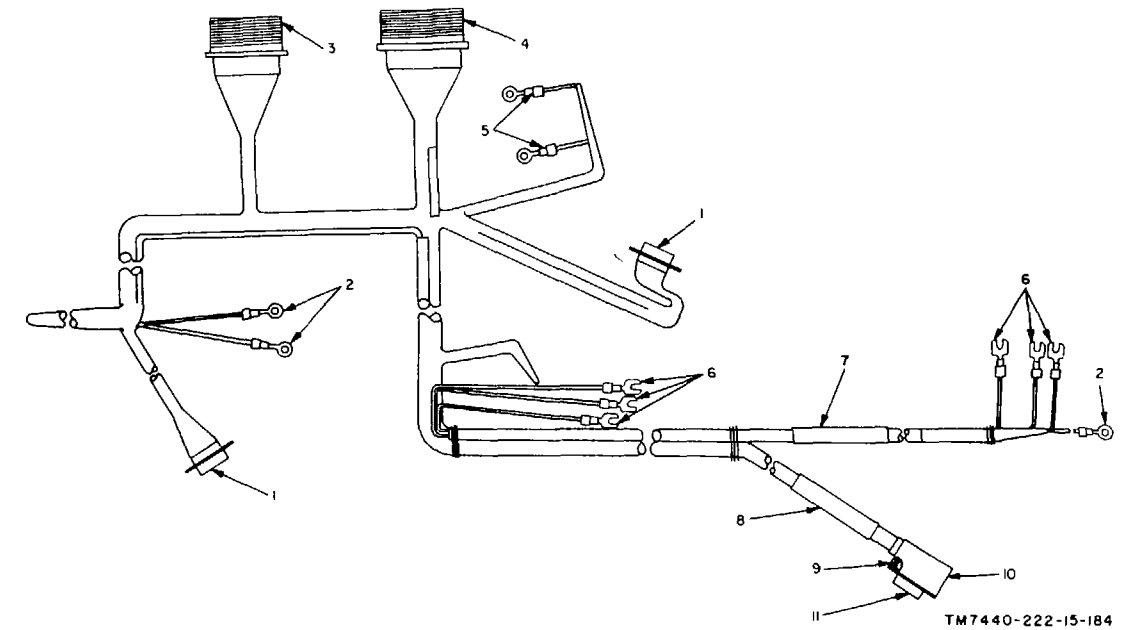


Figure 4-37. Electronic chassis assembly, exploded view. (A3A2)

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- | | | |
|--------------------------|----------------|--|
| 1 Connector (A2J3, A2J4) | 5 Lug terminal | 9 Screw, panhead, No. 4-40, 1/4 in. long |
| 2 Lug terminal | 6 Lug terminal | 10 Receptacle hood |
| 3 Connector (A2J1) | 7 Cable marker | 11 Connector (P1) |
| 4 Connector (A2J2) | 8 Cable marker | |

Figure 4-38. Printer electrical cable assembly, exploded view.

- | | | |
|---|--|--|
| 1 Screw, panhead, No. 10-32, 3/8 in. long | 26 Lockwasher, No. 6 | 51 Washer, No. 6 |
| 2 Lockwasher, external tooth, No. 10 | 27 Washer, No. 6 | 52 Lockwasher, No. 6 |
| 3 Screw, cap, socket head, No. 8-32, 1/8 in. long | 28 Standoff | 53 Hex nut, No. 6-32 |
| 4 Washer, No. 8 | 29 Screw, panhead, No. 6-32, 1/2 in. long | 54 Printer electrical cable assembly (fig. 4-38) |
| 5 Lockwasher, No. 8 | 30 Washer, No. 6 | 55 Screw, panhead, No. 6-32, 1/2 in. long |
| 6 Hex nut, No. 8-32 | 31 Lockwasher, No. 6 | 56 Washer, No. 6 |
| 7 Cable clamp 9/16 in. dia. | 32 Hex nut, No. 6-32 | 57 Lockwasher, No. 6 |
| 8 Capacitor, 30,000 μf, 45 vdcw (C1) | 33 Cable clamp | 58 Hex nut, No. 6-32 |
| 9 Screw, panhead, No. 4-40, 3/8 in. long | 34 Ground screw, panhead, No. 8-32, 3/8 in. long | 59 Cable clamp, 3/16 in. dia. |
| 10 Washer, No. 4 | 35 Lockwasher, external tooth, No. 8 | 60 Phototransistor cable assembly (fig. 4-39) |
| 11 Lockwasher, No. 4 | 36 Screw, flathead, No. 6-32, 1/2 in. long | 61 Screw, flathead, No. 4-40, 3/8 in. long |
| 12 Hex nut, No. 4-40 | 37 Washer, No. 6 | 62 Lockwasher, No. 4 |
| 13 Guide card spacer | 38 Lockwasher, No. 6 | 63 Hex nut, No. 4-40 |
| 14 Electrical receptacle connector | 39 Hex nut, No. 6-32 | 64 Connector mounting bracket |
| 15 Printed circuit card guide | 40 Cable clamp | 65 Screw, panhead, No. 8-32, 3/8 in. long |
| 16 Screw, flathead, No. 6-32, 3/8 in. long | 41 Screw, flathead, No. 6-32, 1/2 in. long | 66 Lockwasher, No. 8 |
| 17 Washer, No. 6 | 42 Washer, No. 6 | 67 Washer, No. 8 |
| 18 Lockwasher, No. 6 | 43 Lockwasher, No. 6 | 68 Capacitor bracket |
| 19 Hex nut, No. 6-32 | 44 Hex nut, No. 6-32 | 69 Screw, panhead, No. 8-32, 3/8 in. long |
| 20 Motor starting relay (K1) | 45 Cable clamp | 70 Rear card basket guard |
| 21 Relay (K2) | 46 Screw, panhead, No. 4-40, 3/16 in. long | 71 Grommet |
| 22 Screw, panhead, No. 6-32, 3/8 in. long | 47 Washer, No. 4 | 72 Electronic equipment chassis |
| 23 Lockwasher, No. 6 | 48 Lockwasher, No. 4 | 71.1 Nut, self-locking |
| 24 Relay socket (XK2) | 49 Hex nut, No. 4-40 | 71.2 Angle bracket |
| 25 Screw, panhead, No. 6-32, 3/8 in. long | 50 Screw, flathead, No. 6-32, 1/2 in. long | |

Figure 4-37. - Continued

- 1 Code disk, ASCII
- 1.1 Code disk, ITA-2
- 2 Drive belt
- 2.1 Belt tension decal
- 3 Setscrew, cup point, No. 6-32, 3/8 in. long
- 4 Motor pulley
- 5 Screw, socket head, No. 10-32, 1/2 in. long
- 6 Lockwasher, No. 10
- 7 Washer, No. 10
- 8 Mounting nut
- 9 Retaining ring
- 10 Nylon washer, No. 10
- 11 Pulley and bearing
- 12 Shaft
- 13 Mounting plate
- 14 Jam hex nut, 1/4-20
- 15 Lockwasher, 1/4 in.
- 16 Drive motor assembly (fig 4-40)
- 16.1 Terminal lug
- 16.2 Terminal lug
- 17 Screw, socket head, No. 4-40, 1/2 in. long
- 18 Lockwasher, No. 4
- 19 Setscrew, cup point, No. 6-32, 1/8 in. long
- 20 Setscrew, oval point, No. 6-32, 3/4 in. long
- 21 Hinge pin
- 22 Sleeve spacer
- 23 Tape holddown lever
- 23.1 Holddown assembly
- 24 Torsion spring
- 25 Screw, panhead, No. 4-40, 3/8 in. long
- 26 Lockwasher, No. 4
- 27 Tape guide
- 28 Tape guide support
- 28.1 Support guide assembly
- 29 Screw, sockethead, No. 8-32, 5/8 in. long
- 30 Lockwasher, No. 8
- 31 Washer, No. 8
- 32 Ribbon/print wheel assembly (fig 4-42)
- 33 Screw, flathead, No. 6-32, 3/4 in. long
- 34 Lockwasher, No. 6
- 35 Hex nut, No. 6-32
- 36 Straddle plate
- 37 Terminal strip (TB1)
- 38 Marker strip
- 39 Screw, socket head, No. 8-32, 1/2 in. long
- 40 Lockwasher, No. 8
- 41 Washer, No. 8
- 42 Tape drive mechanism assembly (fig 4-46)
- 43 Screw, panhead, No. 6-32, 5/8 in. long
- 44 Lockwasher, No. 6
- 45 Washer, No. 6
- 46 Connector retainer
- 47 Screw, sockethead, No. 8-32, 5/8 in. long
- 48 Lockwasher, No. 8
- 49 Hex nut, self-locking, No. 10-32
- 50 Belleville washer
- 51 Washer, No. 10
- 52 Eccentric adjusting screw
- 53 Drive screw, 1/8 in. long
- 54 Clamp spring
- 55 Clamp setscrew, cup point, No. 10-32, 5/8 in. long
- 56 Pin, self-locking
- 57 Hammer module clamp
- 57.1 Clamp subassembly
- 57.2 Gib
- 58 Screw, cap sockethead, No. 6-32, 5/16 in. long
- 59 Lockwasher, No. 6
- 60 Washer, No. 6
- 61 Hammer module cover
- 62 Hammer module assembly
- 63 Hammer coil cable assembly (fig 4-45)
- 64 Screw, flathead, No. 4-40, 5/8 in. long
- 65 Washer, No. 4
- 66 Lockwasher, No. 4
- 67 Hex nut, No. 4-40
- 68 Fuseholder (XF1, XF2)
- 69 Screw, panhead, No. 4-40, 5/16 in. long
- 70 Washer, No. 4
- 71 Lockwasher, No. 4
- 72 Hex nut, No. 4-40
- 73 Screw, panhead, No. 8-32, 7/16 in. long
- 73.1 Washer, flat, No. 8
- 74 Lockwasher, No. 8
- 75 Screw, sockethead, No. 10-32, 1/2 in. long
- 76 Lockwasher, No. 10
- 77 Tape reader assembly (fig 4-47)
- 78 Retaining ring
- 79 Spring retaining pin
- 80 Compression spring
- 81 Pin, self-locking
- 82 Setscrew, oval point, 5/16-18, 3/8 in. long
- 83 Tape reader locating clamp
- 83.1 Key locating subassembly
- 84 Screw, sockethead, No. 6-32, 5/8 in. long
- 85 Lockwasher, No. 6
- 86 Washer, No. 6
- 87 Tape roller assembly
- 88 Screw, sockethead, No. 10-32, 5/8 in. long
- 89 Lockwasher, No. 10
- 90 Washer, No. 10

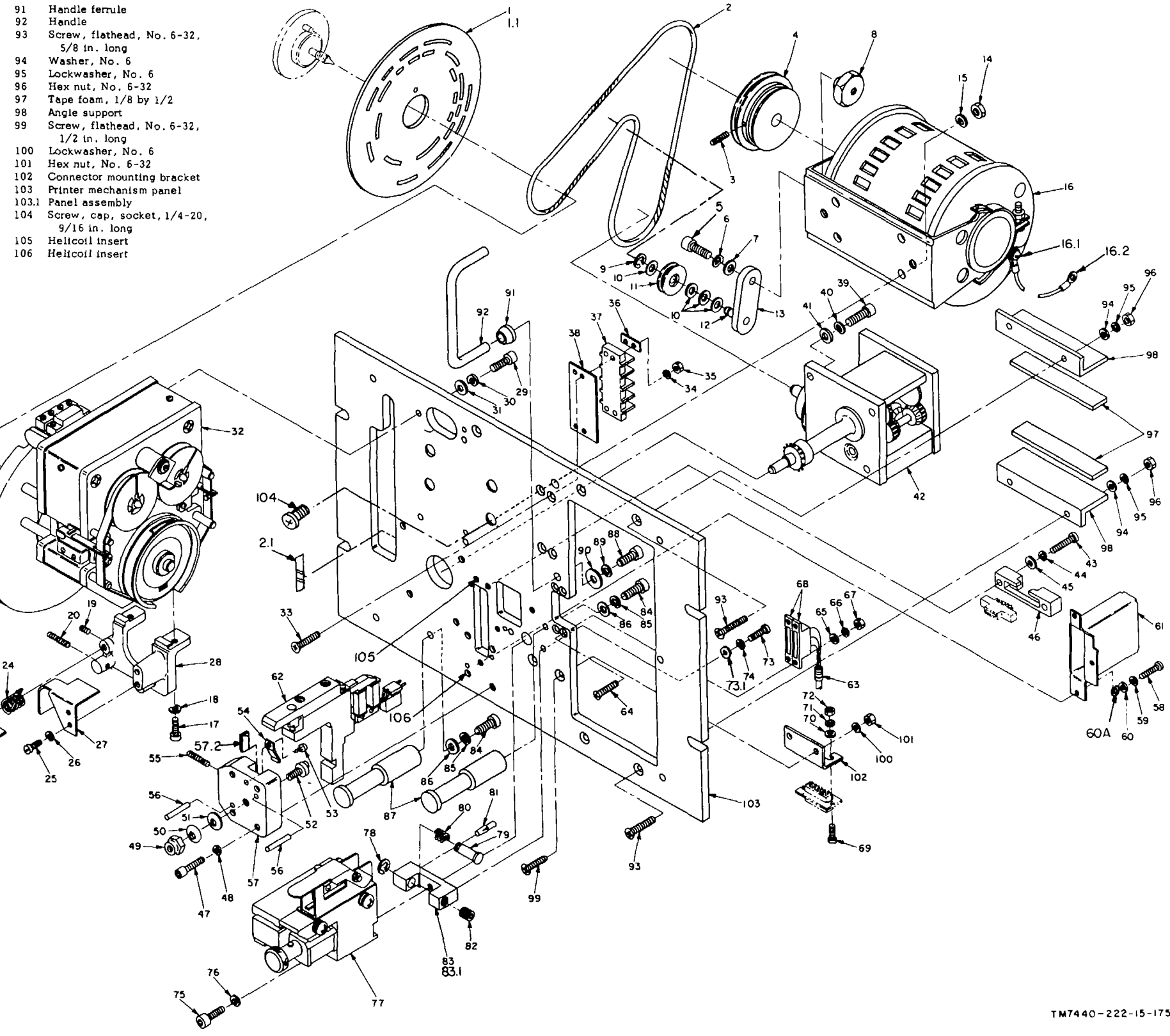


Figure 4-36. Printer mechanism and panel assembly, exploded view.

Change 4 4-30.1

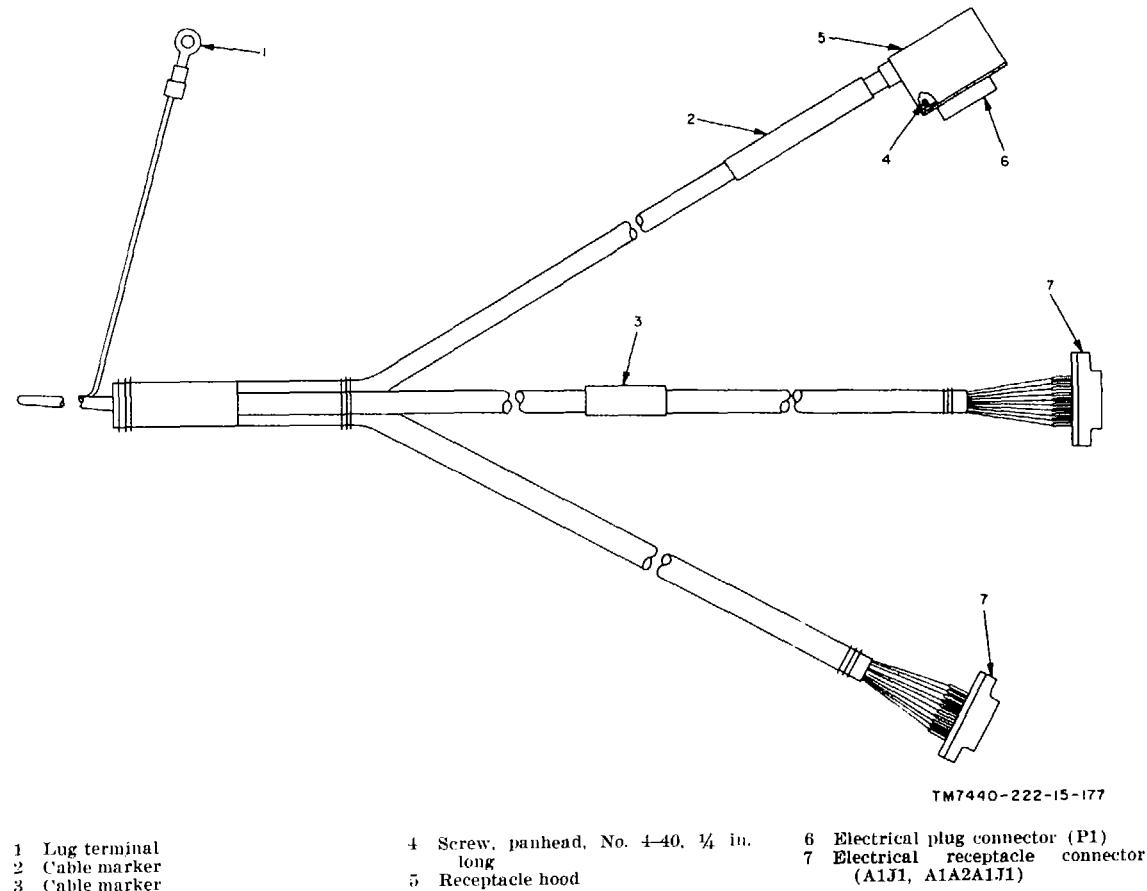


Figure 4-39. Phototransistor cable assembly, exploded view.

4-79. Removal and Replacement of Tape Guide Support Assembly

(fig. 4-36)

a. *Removal.* Remove two screws (17) and remove the tape guide support assembly from the bottom of the ribbon/print wheel assembly (32).

Note.

When removing or replacing the tape guide support assembly, care should be exercised to avoid damaging the tape sprocket and the tape guide.

b. *Replacement.*

- (1) Replace the tape guide support assembly by reversing the removal procedure in a above.
- (2) Check the tape guide goal requirement (para 4-123), the sleeve spacer end play requirement (para 4-124), and the tape holddown gap requirement (para 4-125).

4-80. Disassembly and Reassembly of Tape Guide Support Assembly

(fig. 4-36)

a. *Disassembly.*

- (1) Remove setscrew (19) and remove the hinge pin (21) tape holddown subassembly (23) and torsion spring (24).
- (2) Remove two screws (25) and remove the tape guide (27).

b. *Reassembly.*

- (1) Apply a light coating of clear staking varnish, Glyptol No. 1153, to the threads of setscrews (20) and (19).
- (2) Reassemble the tape guide support assembly by reversing the disassembly procedure in a above.
- (3) Perform the sleeve spacer end play adjustment procedure (para 4-124).

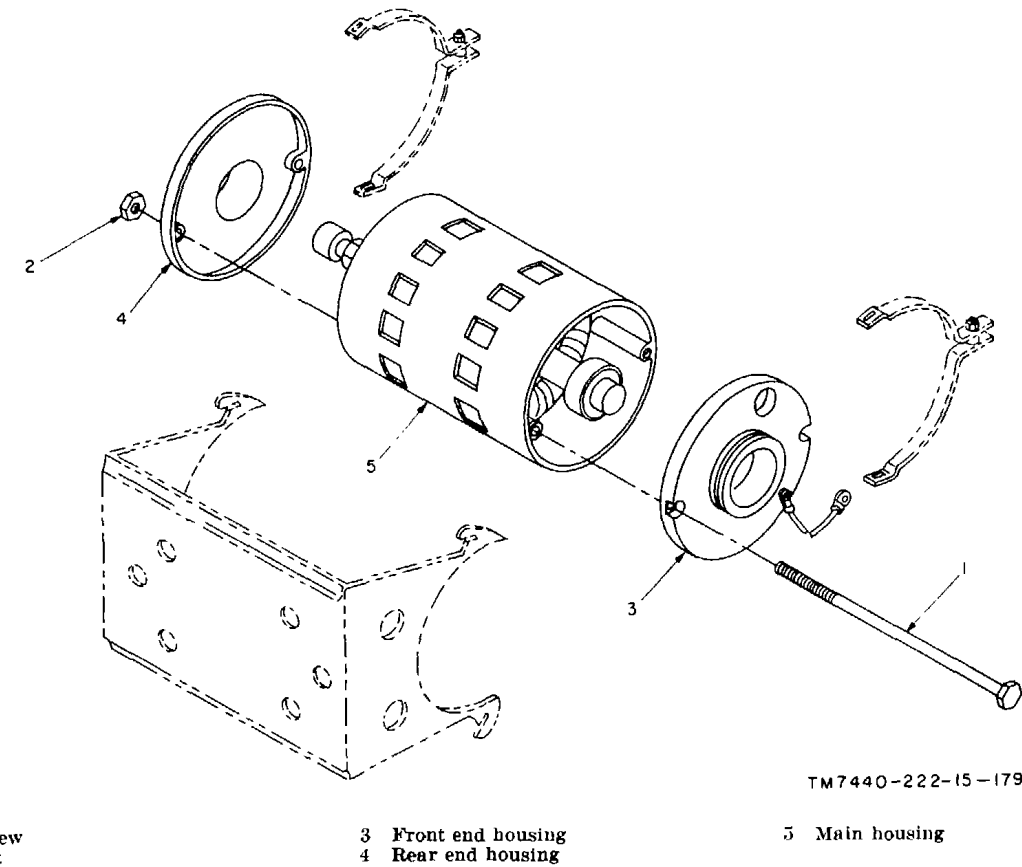


Figure 4-40. Drive motor assembly, exploded view.

4-81. Removal and Replacement of Print Roll Segment

(fig. 4-42)

a. *Removal.*

- (1) Relieve tension on the inked ribbon (86).
- (2) Remove the print roll segment (65) from the print roll shaft (74) by removing the screw (63), the washer clamp (64), and the locking key (69).

Note.

When removing the print roll segment (65), observe the character alignment with respect to the print hammer.

b. *Replacement.*

- (1) Install the print roll segment (65) on the print roll shaft (74) by reversing the removal procedure in a above.
- (2) Align the print roll segment (65) by rotating the print drive pulley (29) until the character (noted during removal) is centered over the print hammer (62, fig. 4-36).
- (3) *For example*, if the character M was noted during removal of the print roll segment, then center the character M over the print hammer.

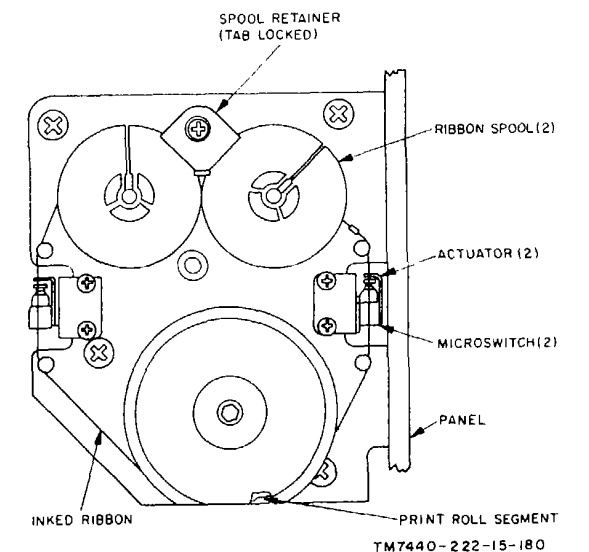


Figure 4-41. Inked ribbon threading diagram.

4-82. Removal and Replacement of Ribbon Spool Assemblies

(fig. 4-41)

a. Removal.

- (1) Rotate the spool retainer tab 180° clockwise.
- (2) Remove the two ribbon spool assemblies from the ribbon drive shafts by relieving tension on the inked ribbon and unthreading the inked ribbon from the slots in the two microswitch actuators.

b. Replacement.

- (1) Install the ribbon spool assemblies on the ribbon drive shafts and mate the hole in the spools with the pin on the inked ribbon drive sleeves.
- (2) Thread the inked ribbon as shown in figure 4-41.
- (3) Secure the ribbon spool assemblies by rotating the spool retainer tab 180° counterclockwise.

4-83. Removal and Replacement of Pulse Generator Sensor PC Card

a. Removal.

- (1) Remove the code disk (1, fig. 4-36) as described in paragraph 4-75.
- (2) Remove the lamp sensor PC card connector by removing two screws (47, fig. 4-42).

Caution:

The leads on the lamp sensor PC card connector are brittle and must be handled with care during removal and replacement.

- (3) Remove the pulse generator sensor PC card (50) from the alignment pins on the adapter block (57) by removing two screws (49).

b. Replacement.

- (1) Replace the pulse generator sensor PC card by reversing the removal procedure in *a* above.
- (2) Check the operation of the pulse generator sensor PC card.

4-84. Removal and Replacement of Pulse Generator Lamp Assembly

a. Removal.

- (1) Remove the connector cover (9, fig. 4-35) by removing two screws (6).
- (2) Disconnect leads to connector pins A and B at top of the lamp assembly (41, fig. 4-42).
- (3) Remove the lamp assembly (41) from the lamp housing (46), by removing two screws (38).

b. Replacement.

- (1) Replace the pulse generator lamp assembly (41) by reversing the removal procedure in *a* above.
- (2) Check the operation of the lamps.

4-85. Removal, Replacement, Disassembly, and Reassembly of Ribbon/Print Wheel Assembly

a. Removal.

- (1) Remove the code disk (1) (para 4-75) and the drive motor (16) (para 4-77). Remove the tape guide support assembly (18) (para 4-79).
- (2) Remove two screws (1, fig. 4-42) and remove the spacers (32) and the code disk guard (2).
- (3) Remove the ribbon/print wheel assembly (32, fig. 4-36) by removing four mounting screws (29) at rear of panel (103).

b. Replacement.

- (1) Replace the ribbon/print wheel assembly (32) by reversing the removal procedure in *a* above.
- (2) Apply a light coating of clear staking varnish, Glyptol No. 1153, to the threads of screws (1, fig. 4-42), and replace spacers (3) and the code disk guard (2).
- (3) Perform the pulley alignment procedure (para 4-121) and the pulse generator phasing adjustment procedure (para 4-122).

c. Disassembly.

- (1) Remove four screws (8 and 16) and remove the microswitch and bracket subassemblies S1 (20) and S2 (13).
- (2) Remove four screws (24) and remove the housing cover (26).
- (3) Slide the print drive pulley (29) with the flywheel (30) from the print roll shaft (74).
- (4) Remove the phasing adjustment bracket and pulse generator assembly (38 through 58) by removing the stopnut (37) and screw (34). See paragraphs 4-83 and 4-84.
- (5) Remove three screws (66) and remove the ribbon guide retainer (67) and the print roll spacer (68).
- (6) Push out ball bearings (71 and 70). Remove bearing spacer (72) and wavy-type spring washer (73) and slide the print roll shaft (74) out through the right hand housing plate (96).
- (7) Remove the key pins (88) from the drive sleeves (89).
- (8) Remove the four standoff spacers (94) by removing eight screws (93).
- (9) Separate the left-hand housing plate (116) and the right-hand housing plate (96) and release the shaft ends of

the idler gear clutch assemblies (102 through 108), the intermediate gear subassembly (111 and 112) and the intermediate gear and pinion subassembly (114 and 115).

d. Reassembly.

- (1) Press fit ball bearings (113) into right-hand housing plate (96), using a 5/16- (0.3125) inch diameter arbor.
- (2) Press fit bushings (109) flush with or slightly in from the outer surface of the left-hand housing plate (116).
- (3) Press fit flange bushings (110) into the left and right hand housing plates (96 and 116), using a 3/16-(0.1875) inch diameter arbor.
- (4) Push fit ball bearings (113) into housing plates (96 and 116).
- (5) Lock the clutch rotors (104) to the ribbon drive shafts (108) by inserting the key pin (102).
- (6) Bring the left- and right-hand housing plates (96 and 116) together, inserting the shaft ends of the idler gear clutch assemblies (107), the intermediate gear subassembly (111), and the intermediate gear and pinion subassembly (114) into their respective bushings.

Note.

When reassembling a unit with new bushings, shaft or gear parts and before fastening the housing plates (96 and 116), turn the gears and check to see that the gearing rotates freely in both directions.

- (7) Insert the key pins (88) into the drive sleeves (89).

Note.

The drive sleeves must turn freely at 1/2- to 3-inch/ounce torque.

- (8) Install the four standoff spacers (94) and secure with eight screws (93).
- (9) Push fit ball bearing (71) in left hand housing plate (116) with the bearing seal face out.
- (10) Install the bearing spacer (72) on the print roll shaft (74), and insert the pulley end of the shaft through the right hand housing plate (96) and through the ball bearing (71) until the gears mesh.
- (11) Install wavy-type spring washer (73), and install ball bearing (70) with bearing seal face out.

Caution:

The bottom flat edge of the ribbon guide retainer (67) must align with the bottom surface of the right hand housing plate (96).

- (12) Apply a light coating of clear staking varnish, Glyptol No. 1153, to the threads of screws (66). Install tile ribbon guide retainer (67) and secure with the three screws (66).
- (13) Install the bearing retailer (33) and secure with three screws (31).
- (14) Rotate the print roll shaft (74) mid check to be sure the gearing rotates freely in both directions.
- (15) Apply a light coating of lubriplate, Fiske Bros. No. 630-AA, to the back surface of the phasing adjustment bracket (58), if required (para 4-17).
- (16) Install the phasing adjustment bracket and pulse generator assembly (32 through 58) and secure by tightening the stopnut (37).

Note.

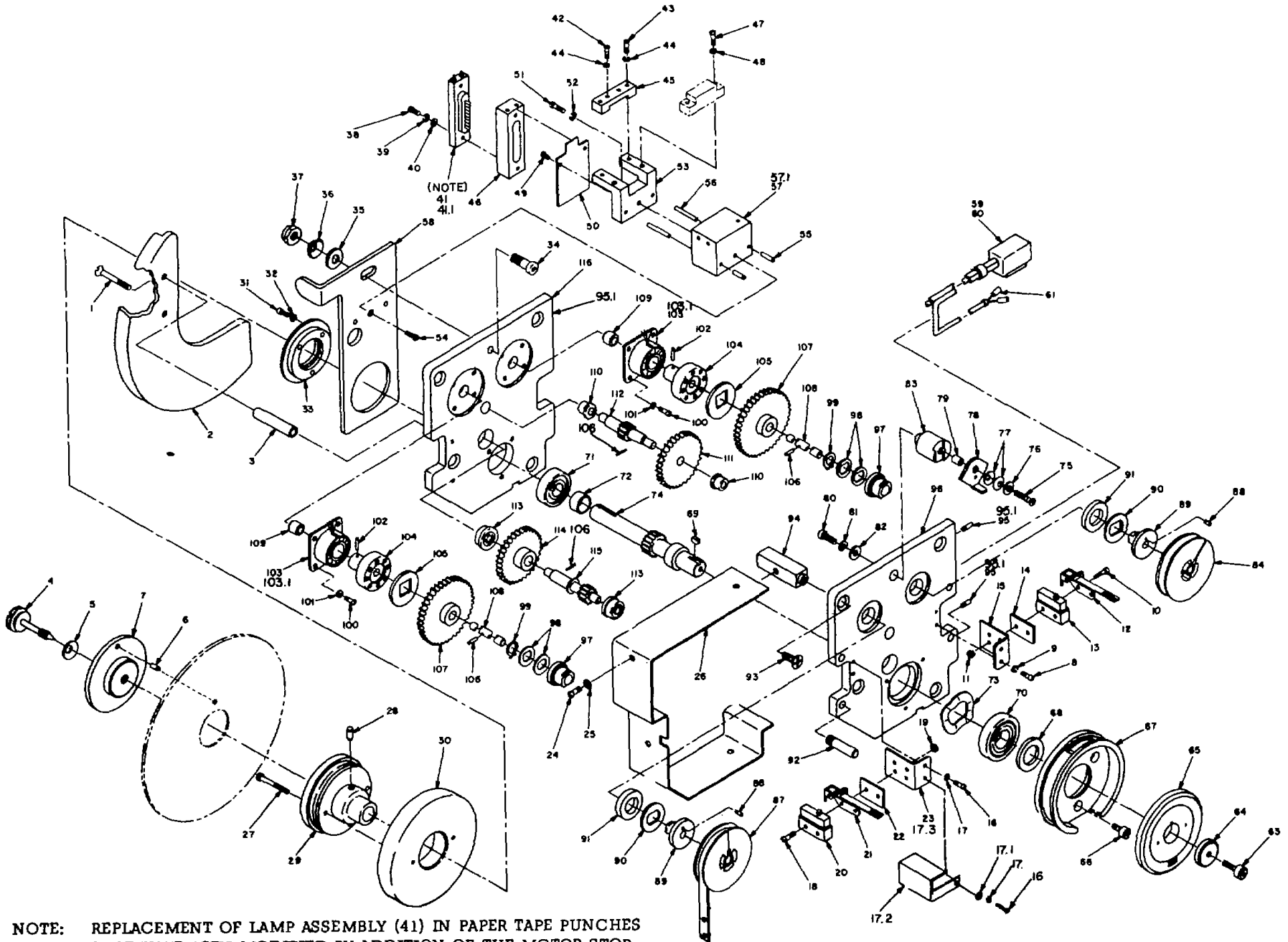
Tighten the stopnut (37) until a force of 5 to 8 pounds is required at the tab to move the phasing adjustment bracket (58),

- (17) Apply a light coating of clear staking varnish, Glyptol No. 1153, to the threads of screws (27).
- (18) Set the key pin (28) in the print drive pulley (29), install the flywheel (30) on the print drive pulley (29), and secure with two screws (27).
- (19) Slide the print drive pulley (29) onto the print roll shaft (74) flush with ball bearing (71).
- (20) When installing the spool retainer post (83) on the right-hand housing plate (96), position the post as shown in figure 4-44. Perform lubrication (para 4-17),
- (21) Apply, light coating of loctite sealant, No. AV 10-10, to the threads of screw (75).

Note.

Install two Belleville washers (77, fig. 4-42) (concave surface either facing each other, or both facing in the same direction, as necessary) to permit the spool retainer (78) to be rotated clockwise when a pull of 1/2, to 2 1/2 pounds is applied to the tab.

- (22) Install the spool retainer (78) on the spool retainer post (83) and secure With screw (75), as shown in figure 4-43.
- (23) When installing the ribbon guide posts (92), press-fit the posts flush with the back surface of the holes.
- (24) Whenever black lacing has been removed for rewiring purposes, apply a light coating of varnish, insulating to the tie spot after replacement.
- (25) Install housing cover (26) and secure with four screws (24).
- (26) Install the right-hand microswitch and bracket subassembly (15) on the right side of housing plate (96) and the left-hand microswitch and bracket subassembly (23) on the left side of housing plate, (116) and secure with screws (8 and 16).
- (27) Install the ribbon spool assemblies (para. 4-82) and the print roll segment (para 4-81).



NOTE: REPLACEMENT OF LAMP ASSEMBLY (41) IN PAPER TAPE PUNCHES THAT HAVE BEEN MODIFIED BY ADDITION OF THE MOTOR STOP KIT (MWO 11-7440-221-30/1) IS NOT AUTHORIZED UNDER ANY CIRCUMSTANCE TO PRECLUDE POSSIBLE EQUIPMENT DAMAGE. LIGHT EMITTING DIODE ASSEMBLY (41.1) MUST BE USED IN MODIFIED EQUIPMENT.

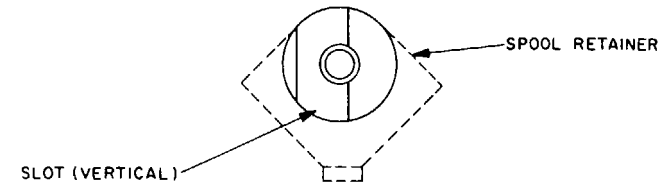
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- | | | | |
|--|---|---|---|
| 1 Screw, flathead, No. 8-32, 1 1/4 in. long | 28 Pin, self-locking, 1/8 in. dia, 1/4 in. long | 55 Pin, self-locking, 1/8-in. dia, 3/8 in. long | 86 Not used |
| 2 Code disk guard | 29 Drive pulley | 56 Pin, self-locking, 1/8-in. dia, 1/2 in. long | 87 Ribbon assembly |
| 3 Spacer | 30 Drive pulley flywheel | 57 Lamp and diode adapter block | 88 Pin, self-locking, 1/16-in. dia, 1/4 in. long |
| 4 Captive screw, No. 8-32, 1 in. long | 31 Screw, socket head, No. 6-32, 1/2 in. long | 57.1 Block assembly | 89 Ribbon roll drive sleeve |
| 5 Belleville washer | 32 Lockwasher, No. 6 | 58 Phasing bracket | 90 Bearing washer |
| 6 Pin, self-locking, 1/8 in. dia, 3/8 in. long | 33 Bearing retainer | 58.1 Phasing bracket assembly | 91 Compression washer |
| 7 Code disk clamp | 34 Screw, socket head, No. 10-32, 3/4 in. long | 59 Right angle connector hood | 92 Ribbon guide post |
| 7.1 Disk clamp subassembly | 35 Washer, No. 10 | 60 Connector (P1) | 93 Screw, flathead, No. 10-32, 1/2 in. long |
| 8 Screw, panhead, No. 6-32, 3/8 in. long | 36 Belleville washer | 61 Disconnect receptacle | 94 Standoff spacer |
| 9 Lockwasher, No. 6 | 37 Hex nut, self-locking, No. 10-32 | 62 Not used | 95 Pin, self-locking, 1/8-in. dia, 3/8 in. long |
| 9.1 Switch subassembly, left | 38 Screw, panhead, No. 4-40, 3/8 in. long | 63 Screw, cap, socket head, No. 10-32, 1/2 in. long | 95.1 Helicoil insert |
| 10 Screw, panhead, No. 2-56, 1/2 in. long | 39 Lockwasher, No. 4 | 64 Washer clamp | 96 Right hand housing plate |
| 11 Hex nut, No. 2-56 | 40 Washer, No. 4 | 65 Print roll segment | 97 Flange bushing |
| 12 Switch actuator | 41 Code disk lamp assembly (see note) | 66 Screw, cap, socket head, No. 6-32, 3/8 in. long | 98 Flat sleeve ribbon spool washer |
| 13 Microswitch (S2) | 41.1 Light emitting diode assembly (see note) | 67 Ribbon guide retainer | 99 Retaining ring |
| 14 Switch insulator | 42 Screw, panhead, No. 6-32, 3/8 in. long | 68 Print roll spacer | 100 Screw, cap, socket head, No. 2-56, 1/4 in. long |
| 15 Switch mounting bracket | 43 Screw, panhead, No. 6-32, 1/16 in. long | 69 Locking key | 101 Lockwasher, No. 2 |
| 16 Screw, panhead, No. 6-32, 3/8 in. long | 44 Lockwasher, No. 6 | 70 Ball bearing | 102 Roll pin, 1/16 in. dia, 5/16 in. long |
| 17 Lockwasher, No. 6 | 45 Lamp housing support | 71 Ball bearing | 103 Field assembly |
| 17.1 Washer, No. 6 | 46 Code disk lamp housing | 72 Bearing spacer | 103.1 Clutch assembly |
| 17.2 Ribbon reversing switch cover | 47 Screw, panhead, No. 4-40, 3/8 in. long | 73 Spring washer | 104 Rotor |
| 17.3 Switch subassembly, right | 48 Lockwasher, No. 4 | 74 Print roll shaft | 105 Armature |
| 18 Screw, panhead, No. 2-56, 1/2 in. long | 49 Screw, panhead, No. 4-40, 3/8 in. long | 75 Screw, panhead, No. 4-40, 1/2 in. long | 106 Roll pin, 1/16-in. dia, 5/16 in. long |
| 19 Hex nut, No. 2-56 | 50 Pulse generator sensor PC card | 76 Washer No. 4 | 107 Clutch gear |
| 20 Microswitch (S1) | 51 Screw, socket head, No. 6-32, 1/2 in. long | 77 Belleville washer | 108 Ribbon drive shaft |
| 21 Switch actuator | 52 Lockwasher, No. 6 | 78 Spool retainer | 109 Bushing |
| 22 Switch insulator | 53 Connector and diode card bracket | 79 Retainer post and spool spacer | 110 Flange bushing |
| 23 Switch mounting bracket | 54 Screw, flathead, No. 6-32, 3/8 in. long | 80 Screw, cap, socket head, No. 6-32, 3/8 in. long | 111 Gear |
| 24 Screw, panhead, No. 6-32, 3/8 in. long | | 81 Lockwasher, No. 6 | 112 Top pinion shaft |
| 25 Washer, No. 6 | | 82 Washer, No. 6 | 112.1 Shaft subassembly |
| 26 Housing interpreter cover | | 83 Spool retainer post | 113 Ball bearing |
| 27 Screw, socket head, No. 6-32, 3/8 in. long | | 84 Ribbon spool | 114 Drive gear |
| | | 85 Not used | 115 Lower pinion shaft |
| | | | 115.1 Gear pinion subassembly |
| | | | 116 Left-hand housing plate |

Figure 4-42. Ribbon/print wheel assembly (A3A1A2), exploded view.



Figure 4-43. Spool retainer post assembly diagram.



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Figure 4-43. Spool retainer post assembly diagram.

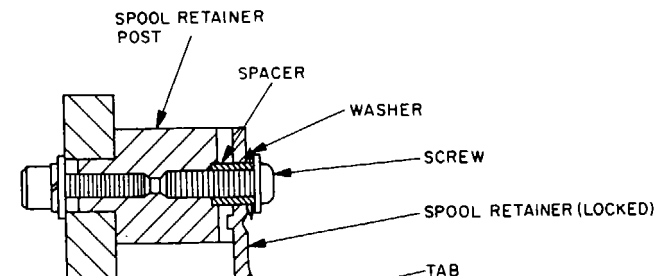


Figure 4-44. Spool retainer post positioning diagram.

(28) Lubricate flange bushings (110), if required (para 4-17).

4-86. Disassembly and Reassembly of Hammer Coil Cable Assembly

a. *Disassembly.* Remove and disassemble the hammer coil cable assembly (63, fig. 4-36) by following the sequence of index numbers in figure 4-45.

b. *Reassembly.*

- (1) Reassemble the hammer coil cable assembly (63, fig. 4-36) by reversing the removal procedure in a above.
- (2) If rewiring was necessary, apply a light coating of varnish, insulating to all spot ties.

4-87. Removal and Replacement of Tape Drive Mechanism Assembly

a. *Removal.*

- (1) Adjust the idler pulley subassembly (para 4-120) to decrease belt tension, and remove drive belt (2, fig. 4-36) from motor pulley (4).
- (2) Disconnect the tape drive connector and the hammer module connector.
- (3) Remove four screws (39) at rear of panel (103) and carefully remove the tape drive mechanism assembly (42).

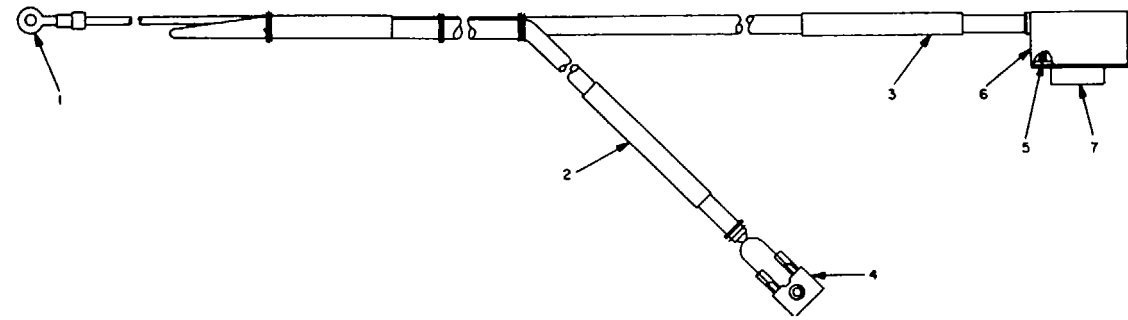
b. *Replacement.*

- (1) Replace the tape drive mechanism assembly (42) by reversing the removal procedures in a above.
- (2) Check the capstan positioning requirement (para 4-126), the escapement armature requirements (paras 4-129 through 4-132), and the pulley alignment procedure (para 4-121).
- (3) Perform the coarse and fine adjustments of the lateral position of the character on tape (paras 4-127 and 4-128).

4-88. Disassembly and Reassembly of Tape Drive Mechanism Assembly

a. *Disassembly.* (fig. 4-46)

- (1) Remove setscrew (1) and slide the tape drive pulley (2) from the drive shaft (5).
- (2) Remove eight screws (3), two vertical spacers (4), drive shaft (5) and gear assembly (6).
- (3) Remove four screws (8) and horizontal spacer (9).



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- | | | |
|----------------|-----------------------------|-------------------|
| 1 Lug terminal | 4 Connector (P2) | 6 Receptacle hood |
| 2 Cable marker | 5 Screw, panhead, No. 4-40, | 7 Connector (P1) |

Figure 4-45. Hammer coil cable assembly, exploded view.

(4) Disconnect leads from both actuator coils. Remove two screws (10) and the forward actuator assembly (11). Remove two screws (12) and the reverse actuator assembly (13).

(5) Remove the collet pin plastic cap (14). Remove the collet pin (15) from the colleted end of the capstan shaft (36), using the special collet pin puller (Anelex part No. 56262-1) and remove the capstan assembly (16).

(6) Remove four screws (20) and the large vertical spacer (21).

(7) Remove setscrew (23) from the front bevel cluster (24).

(8) Separate the front and rear bearing plates (26 and 53), and remove the idler shaft and gear assembly (27), the capstan shaft (36), and the friction clutch assemblies (30).

(9) Loosen clamping screw (34) and slide the differential spider assembly (83) from the capstan shaft (36).

b. Reassembly.

(1) Reassemble the tape drive mechanism assembly (42, fig. 4-36) by reversing the disassembly procedure in a above.

Note.

It may be necessary to add shim washers to minimize shaft end play and gear backlash when new gears are installed.

(2) Apply a light coating of clear Staking varnish, Glyptal No. 1153, to the threads of the pulley setscrew (1, fig. 4-46).

(3) If rewiring was necessary, apply a light coating of varnish, TUF-ON 747-S, to the wiring spot ties.

(4) After reassembly, perform the escapement adjustment procedures specified in paragraphs 4-129 through 4-132.

Note

When running wires from the reverse escapement colt L2, be sure to leave slack so as not to bind up the escapement armature.

(5) Perform the detailed lubrication procedures (para 4-17).

(6) Before locking the collet pin (15) in the capstan shaft (36), install the tape drive mechanism assembly (para 4-87), and perform the capstan positioning adjustment procedure (para 4-126).

4-89. Removal and Replacement of Reader Microswitch

(fig. 4-47)

a. Removal.

(1) Remove the lifting lever (7) by removing the lever pin (6).

(2) Unsolder connecting leads, remove screws (8) and the reader microswitch (11).

b. Replacement.

(1) Apply a light coating of clear staking varnish, Glyptol No. 1153, to the threads of screws (8).

(2) Replace the reader microswitch (11) by reversing the removal procedure in a above.

(3) Perform the reader microswitch adjustment procedure (para 4-135).

4-90. Removal and Replacement of Reader Lamp Assembly

(fig. 4-47)

a. Removal. Remove two screws (23), disconnect lamp leads, and remove the reader lamp assembly (26).

b. Replacement.

(1) Replace the reader lamp assembly (26) by reversing the removal procedure in a above.

(2) Check the reader lamp voltage and the variable threshold receiver potentiometer requirement (para 4-135).

4-91. Removal and Replacement of Reader Sensor PC Card

(fig. 4-47)

a. Removal.

(1) Allowing for slack in the lamp wires, remove two screws (23) and let the reader ramp assembly (26) hang free.

(2) Remove two screws (30), and carefully remove the sensor lower support block (36) and the reader sensor PC card (33).

Caution:

Care must be exercised when removing and replacing the sensor lower support block (36) and the reader lamp assembly (26).

b. Replacement.

(1) Replace the reader sensor PC card (33) by reversing the removal procedure in a above.

Note.

Make sure the sensor lower support block (36) is flush with the mounting block (43) and that the reader sensor PC card (33) is plugged in.

(2) Check the tape reader position requirement (para 4-132).

4-92. Removal and Replacement of Tape Reader Assembly

(fig. 4-36)

a. Removal.

(1) Disconnect leads to the reader connector (17, fig. 4-47).

(2) While holding the tape reader assembly (77, fig. 4-36), remove two screws (75) at rear of panel (103) and carefully remove the tape reader assembly (77) together with the tape reader locating clamp (83) from the locating holes in the panel (103).

b. Replacement.

(1) Carefully replace the tape reader assembly (77) together with the tape reader locating clamp (83) flush with the panel (103) and with the reader sensor PC card (33, fig. 4-47) in its connector by reversing the removal procedure in a above.

(2) If rewiring was necessary, apply a light coating of varnish, insulating to all wiring spot ties.

(3) Perform the tape reader position adjustment (para 4-132) and check the guide block knob end play requirement (para 4-133) and the tape reader microswitch requirement (para 4-135).

4-93. Disassembly and Reassembly of Tape Reader Assembly

a. Disassembly.

(1) Loosen setscrew (82, fig. 4-36) and remove screw (84) and tape reader locating clamp (83).

(2) Remove the reader lamp assembly (26, fig. 4-47) (para 4-90), the reader sensor PC card (33) (para 4-91), and the reader microswitch (11) (para 4-89).

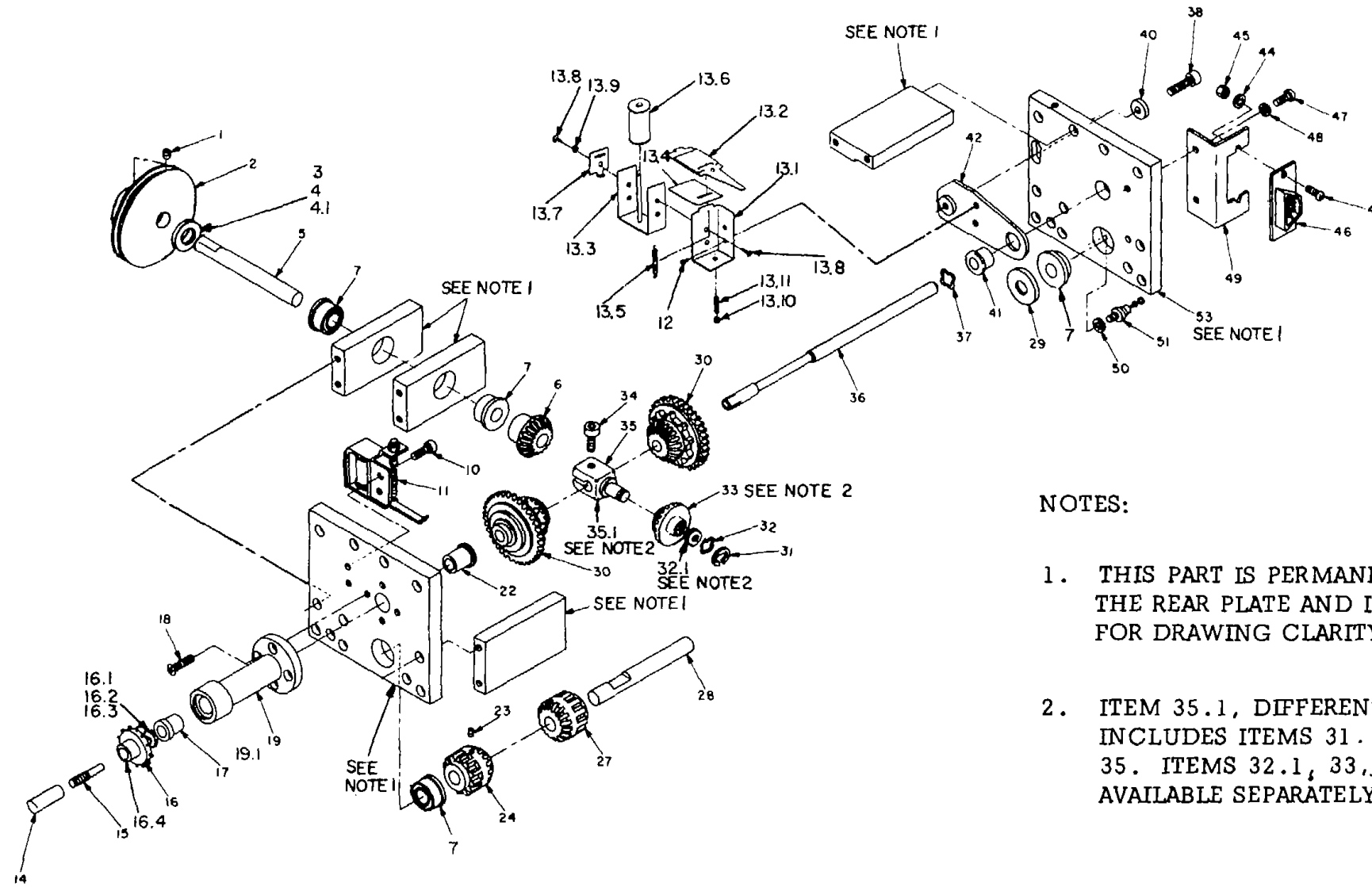
(3) Remove screw (1) and compression spring (3) and lift the switch and plunger subassembly (15) and wear plate (16) from the mounting block (43).

(4) Remove two screws (27) and remove the sensor upper support block (32).

(5) Remove setscrew (37) and remove the adjustable tape guide subassembly (38, 40, and 41).

b. Reassembly.

(1) Reassemble the tape reader assembly (77, fig. 4-36), by reversing the disassembly procedure in a above.



NOTES:

1. THIS PART IS PERMANENTLY ATTACHED TO THE REAR PLATE AND IS SHOWN REMOVED FOR DRAWING CLARITY ONLY.
2. ITEM 35.1, DIFFERENTIAL SPIDER ASSEMBLY, INCLUDES ITEMS 31, 32, 32.1, 33, 34, AND 35. ITEMS 32.1, 33, AND 35 ARE NOT AVAILABLE SEPARATELY.

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1	Setscrew, cup point, No. 6-32, 1/4 in. long	11	Escapement actuator assembly (forward) (L1)	13.10	Hex nut, No. 6-32	19	Capstan shaft tube support	32	Spring tension washer	43	Screw, panhead, No. 4-40, 5/16 in. long
2	Tape drive pulley	12	Screw, cap, socket head, No. 4-40, 1/8 in. long	13.11	Spring tension adjust screw, No. 6-32	19.1	Collar, No. 8-32, 1/2 in. long	32.1	Shim, 0.004 in. thk, 0.190 in. dia	44	Washer, flat, No. 4
3	Shim, 0.003 in. thk, 0.253 in. dia	13	Escapement actuator assembly (reverse) (L2)	14	Collet pin plastic cap	20	Deleted	33	Spider gear	45	Hex nut, No. 4-40
4	Shim, 0.005 in. thk, 0.253 in. dia	13.1	Bracket	15	Collet pin	21	Deleted	34	Screw, cap, socket head, No. 6-32, 3/8 in. long	46	Connector (J1)
4.1	Shim, 0.010 in. thk, 0.253 in. dia	13.2	Armature	16	Capstan assembly	22	Bushing	35	Differential spider assembly	47	Screw, panhead, No. 6-32, 1/4 in. long
5	Drive shaft	13.3	Frame, coil	16.1	Shim, 0.003 in. thk, 0.019 in. dia	23	Setscrew	35.1	Differential spider assembly	48	Lockwasher, No. 6
6	Gear	13.4	Shim, 0.004 in. thk	16.2	Shim, 0.005 in. thk, 0.019 in. dia	24	Front bevel gear cluster	36	Capstan shaft	49	Connector bracket
7	Ball bearing	13.5	Spring	16.3	Shim, 0.010 in. thk, 0.019 in. dia	25	Deleted	37	Spring tension washer	50	Lockwasher, internal tooth, No. 4
8	Deleted	13.6	Coil	16.4	Insert	26	Deleted	38	Screw, cap, socket head, No. 6-32, 1/2 in. long	51	Stud terminal (E1)
9	Deleted	13.7	Escapement limit	17	Bushing	27	Rear bevel gear cluster	39	Deleted	52	Deleted
10	Screw, cap, socket head, No. 4-40, 1/4 in. long	13.8	Screw, panhead, No. 4-48, 1/8 in. long	18	Screw, flathead, No. 4-40, 3/8 in. long	28	Idler shaft	40	Washer, No. 6	53	Frame
		13.9	Washer, flat, No. 4			29	Thrust washer	41	Bushing		
						30	Escapement and friction clutch assembly	42	Capstan adjustment plate		
						31	Retaining ring				

Figure 4-46. Tape drive mechanism assembly, exploded view.

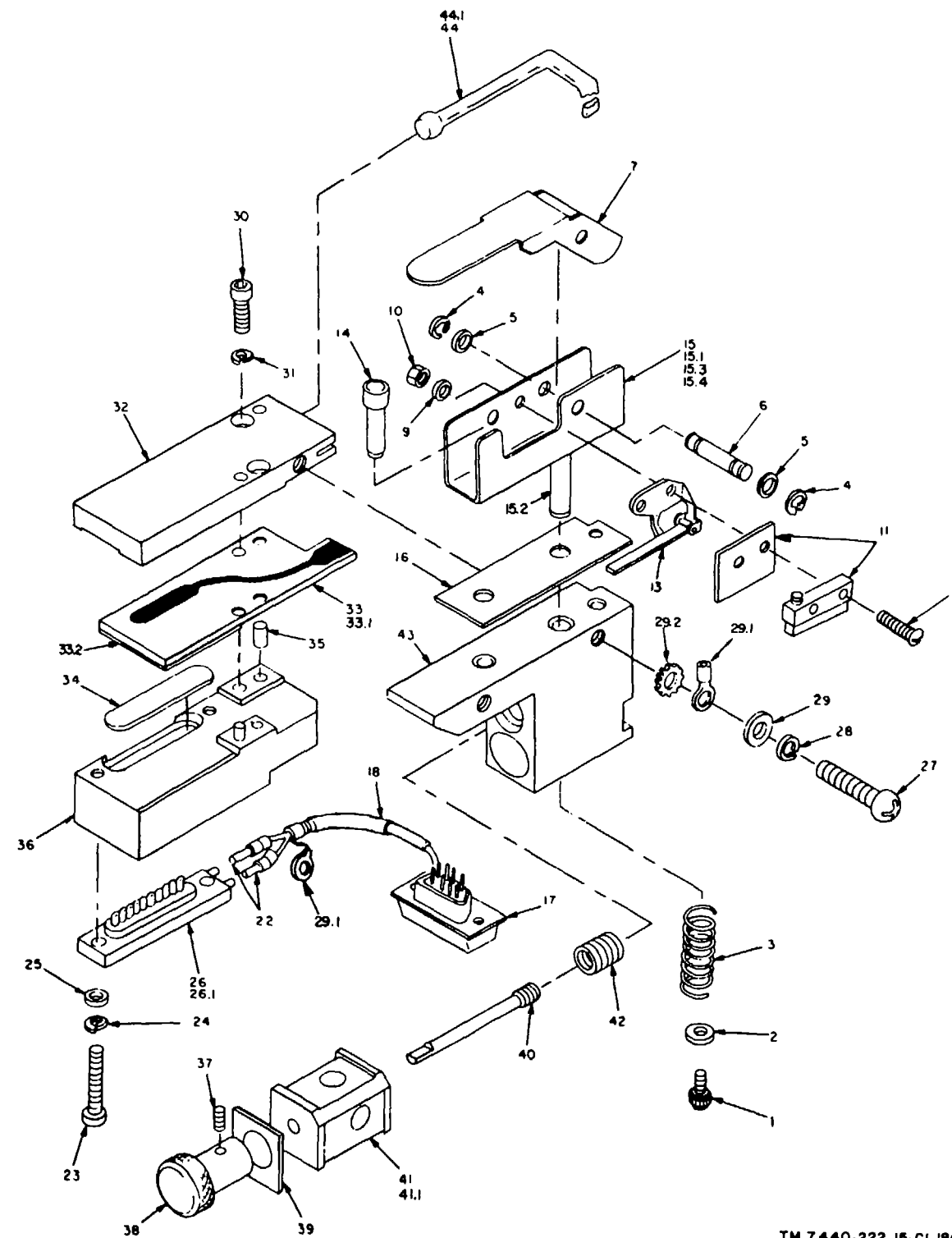


Figure 4-47. Tape reader assembly, exploded view.

1	Screw, cap, socket head, No. 4-40, 1/4 in. long	16	Wear plate	30	Screw, cap, socket, head, No. 4-40, 1/2 in. long
2	Washer, flat, No. 4	17	Reader connector (A1J2)	31	Lockwasher, No. 4
3	Compression spring	18	Wire and cable marker	32	Sensor upper support block
4	Retaining ring	19	Not used	33	Reader sensor PC card
5	Washer, flat, No. 5	20	Not used	33.1	Light sensor
6	Lever pin	21	Not used	33.2	Aperture cover
7	Lifting lever	22	Disconnect receptacle	34	Infrared filter
8	Screw, panhead, No. 2-56, 1/2 in. long	23	Screw, panhead, No. 4-40, 5/8 in. long	35	Self-locking pin
9	Washer, flat, No. 2	24	Lockwasher, No. 4	36	Sensor lower support block
10	Hex nut, No. 2-56	25	Washer, flat, No. 4	37	Setscrew, cup point, No. 6-32, 1/4 in. long
11	Reader microswitch	26	Reader lamp assembly *	38	Adjustable tape guide knob
12	Flexible insulator	26.1	Light emitting diode (LED) 10 light assembly *	39	Identification marker
13	Switch actuator	27	Screw, panhead, No. 8-32, 1 in. long	40	Adjustable tape guide shaft
14	Plunger pin	28	Lockwasher, No. 8	41	Adjustable tape guide block
15	Switch and plunger subassembly	29	Washer, flat, No. 8	42	Threaded insert
15.1	Spring retainer post	29.1	Terminal	43	Mounting block
15.2	Guide pin	29.2	Lockwasher, No. 8	44	Thermistor wiring assembly
15.3	Mounting bracket			44.1	Wiring harness

* On equipment modified by the addition of motor stop assembly (MWO 11-7440-222-30/1), use of reader lamp assembly (item 26) is not authorized under any circumstance. Use light emitting diode assembly (item 26.1) in this equipment.

Figure 4-47. - Continued.

- (2) Apply a light coating of clear staking varnish, Glyptol No. 1153, to the threads of the adjustable tape guide knob setscrew (37, fig. 4-47).
- (3) Perform the guide block end play adjustment procedure (para 4-133).
- (4) Perform lubrication (para 4-17), if required.

Caution.

Do not apply adhesive on the exposed edges of the filter. Surrounding surfaces must be free of adhesive. Wipe off any excess adhesive after replacing the filter.

- (5) If the infrared filter (34) was replaced, apply a uniform coat of adhesive 3M (Anelex part No. 504-101-001) on the edges of the filter (34) and on the inside mating surfaces of the cavity in the sensor lower support block (36) as shown in figure 4-48.

4-94. Removal and Replacement of Hammer Module Assembly

(fig. 4-36)

a. Removal.

- (1) Disconnect the hammer module connector plug at rear of panel (103).
- (2) Loosen the clamp setscrew (55), and turn the eccentric adjusting screw (52), used for the coarse penetration adjustment (para 4-137), until the hammer module assembly (62) is all the way down.
- (3) Remove four screws (47) and remove the hammer module clamp (57).
- (4) Slide the hammer module assembly (62) out from the panel (103).

b. Replacement.

- (1) Replace the hammer module assembly (62) by reversing the removal procedure in *a* above.
- (2) Perform the coarse penetration adjustment procedure (para 4-137) and the flight time and fine penetration adjustment procedure (para 4-138).

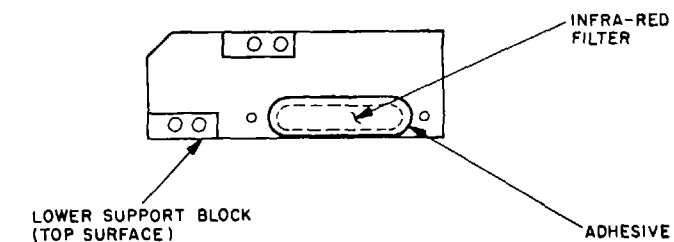


Figure 4-48. Infrared filter, replacement details.

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Section VII. REPAIRS AND ADJUSTMENTS**4-95. General**

This section describes the mechanical repairs and electrical and mechanical adjustments required to maintain the low speed paper tape punch. All adjustments to the low speed perforator, except for hole spacing and tape motion sensing, must be made when the unit is *cold*. If the unit has been operating, wait at least ten minutes before making any adjustment, since temperatures rise enough during operation to expand tolerances.

4-96. Repair

Repair normally consists of removing and replacing a defective part as described in the removal and replacement or disassembly and reassembly procedures given in sections IV, V, and VI, this chapter.

4-97. Spring Data

(fig. 4-49)

Use the following data to determine whether a spring meets the tension or compression requirement and also as a means of identifying springs. Replace all springs that do not meet the torsion, compression, or tension requirements.

a. Parallel-End Springs (A, fig. 4-49).

Reference Fig. No.	Name	A Free length (in.)	B Extended length (in.)	Required tension extended length	C Wire thickness (in.)	D Number of turns	E Outside diameter (in.)
4-28	Perforator 4 Punch actuator spring	0.466 to 0.506	0.701 to 0.731	0.93 to 1.17 lb	0.0155 to 0.0165	17	0.133 (maximum).
4-30	13,47 Capstan escapement actuator spring.	0.466 to 0.506	0.701 to 0.731	0.93 to 1.17 lb	0.0155 to 0.0165	17	0.133 (maximum).

b. Crossed-End Spring (B, fig. 4-49).

Reference Fig. No.	Name	A Free length (in.)	B Extended length (in.)	Required tension extended length	C Wire thickness (in.)	D Number of turns	E Outside diameter (in.)
4-21	12 Slack loop spring	3.09 to 3.19	4.59 to 4.69	1.09 to 1.26 lb	0.03025 to 0.03225	83	0.33 (maximum).
4-23	14 Brake arm spring	0.600	2.0		0.020	30	0.160
4-32	5 Tension arm spring	5.00	10.0	2.50 to 3.50 lb	0.03025 to 0.03225	140	0.33 (maximum).
4-21	64 Tape retainer spring	0.30 to 0.324	0780	115 to 135 grams	0.0125 to 0.0135	24	0.133

c. Extension Spring (C, fig. 4-49).

Reference Fig. No.	Name	A Free length (in.)	B Extended length (in.)	Required tension extended length	C Wire thickness (in.)	E Outside diameter (in.)
4-47	3 Tape reader mounting spring	1.00	0.391	3.12 lb	0.026	0.300
4-36	80 Locating key clamp spring	0.440	0.247	3.85 lb	0.026	0.240

d. Sensing Arm Spring (D, fig. 4-49).

Reference Fig. No.	Name	A Wire thickness length (in.)	B Number of turns	C Inside diameter (in.)
4-21	95 Perforator: Sensing arm spring	0.01875	3	0.150

e. Rebound Spring (E, fig. 4-49).

Reference Fig. No.	Name	A Wire thickness (in.)	B Number of turns	B Inside diameter (in.)
4-28	24 Perforator: Rebound spring	0.0215 to 0.0225	2.75 to 2.87 (right hand).	0.55

f. Torsion Spring (F, fig. 4-49).

Reference Fig. No.	Name	A Wire thickness (in.)	B Number of turns	C Inside diameter (in.)
4-36	24 Printer interpreter: Tape holddown spring	0.0359	9.5	0.385

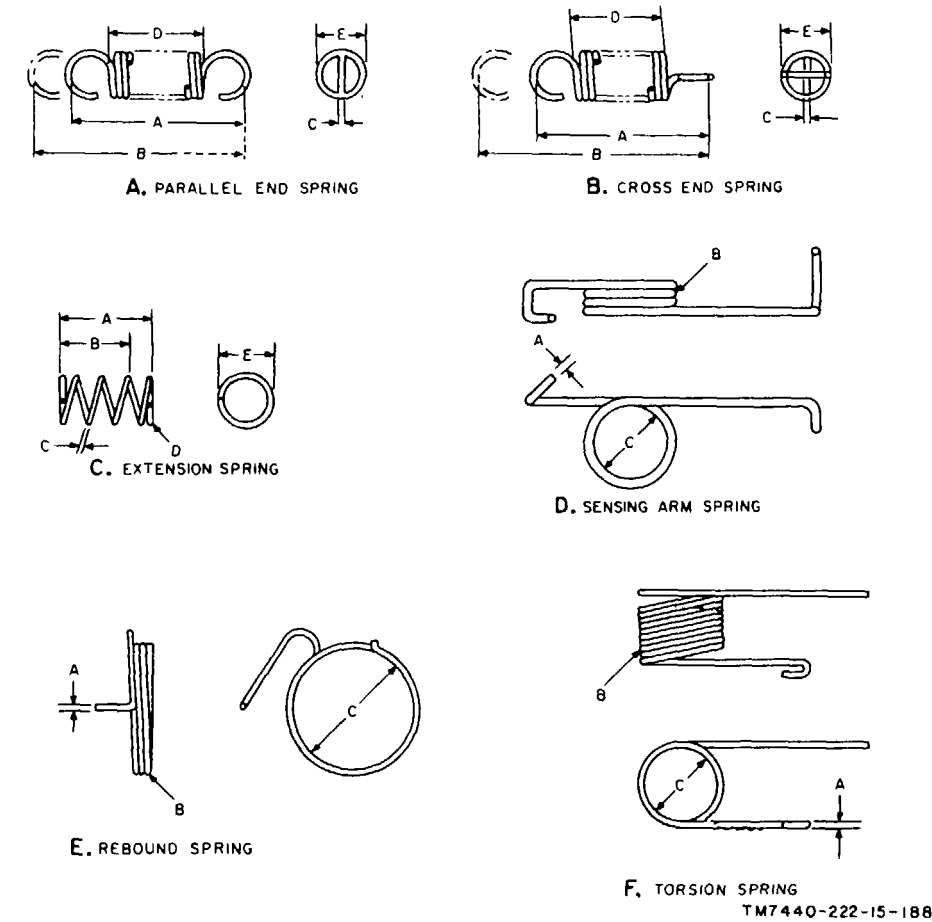


Figure 4-49. Spring data.

4-98. Adjustments

The following paragraphs describe adjustment and alignment procedures and tolerance requirements for the low speed paper tape punch. Adjustment procedures are arranged in the proper sequence for a complete readjustment of the low speed paper tape punch. When making individual adjustments, check all related adjustments. Where removal of parts or sub assemblies is necessary to make an adjustment, reference is made to specific paragraphs for removal and replacement instructions. The following procedures are arranged with all the adjustments for the low speed perforator preceding the adjustments for the low speed printer/interpreter.

4-99. Hole Spacing Adjustments

(figs. 4-50 through 4-53)

Hole spacing in the low speed perforator may be adjusted in two areas: edge-to-hole (centerline of sprocket hole to three-hole edge of tape) and hole-to-hole (10 holes per inch). Edge-to-hole spacing is controlled by the tape guide insert and capstan positioning. Hole-to-hole spacing is controlled by the stripper, the retainer, and the capstan drive mechanism.

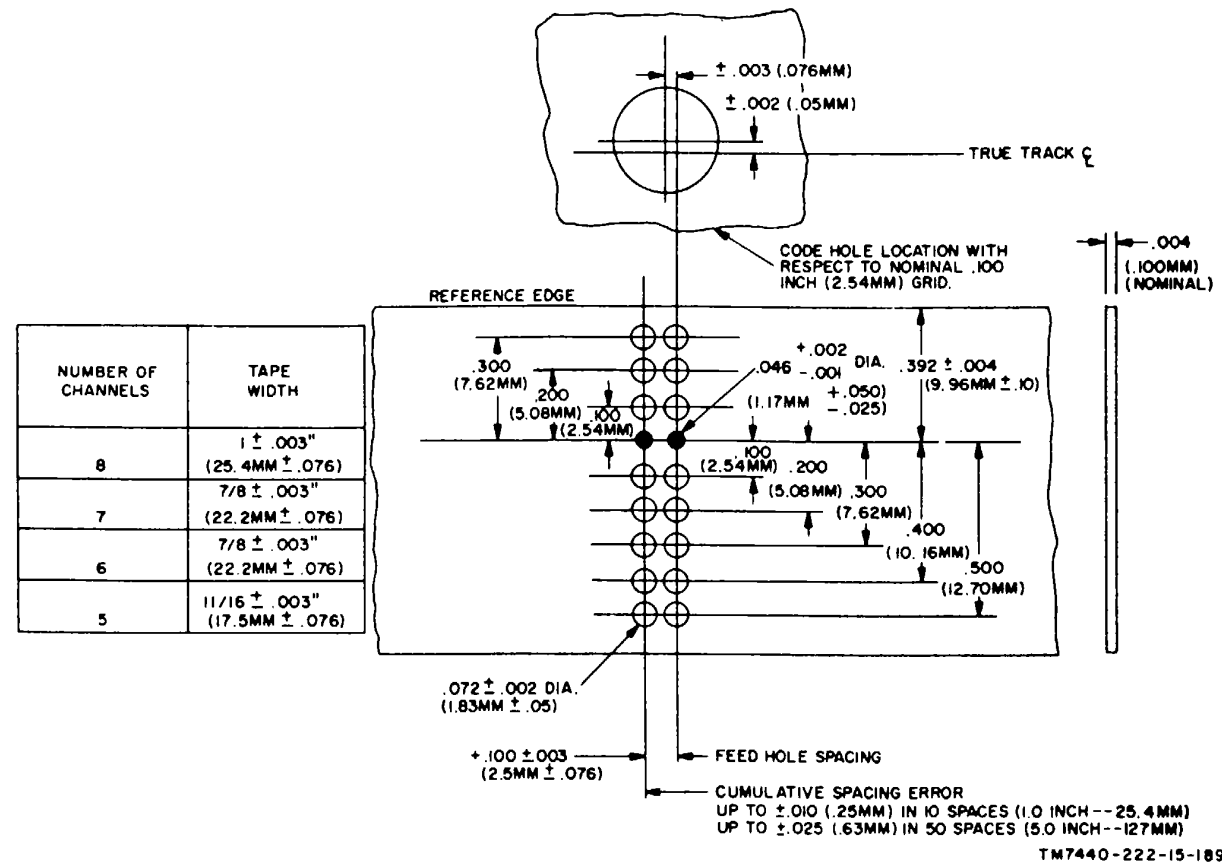


Figure 4-50. Standard tape dimensions.

4-100. Tape Guide Insert Adjustment

(figs. 4-50 and 4-51)

a. *Requirement.* The sprocket hole centers must be 0.392-in (±0.004) from the three-hole side of the paper tape (fig. 4-50).

b. *Method of Checking.* Run a short length of test tape through the low speed perforator and use a tape hole gage to measure the sprocket hole centers.

c. *Adjustment.* Loosen the two mounting screws on the tape guide insert and reposition the insert to meet the requirement (fig. 4-51).

4-101. Capstan Positioning Adjustment

(fig. 4-52)

CAUTION

To avoid damaging the escapement gear during this procedure, release the forward escapement by inserting a 0.016-inch shim in the slot of the armature limit. Hold the escapement gear with the fingers. The capstan should have between 0.001 and 0.002 inch clearance. Do not let escapement gear slide back while collect pin is being inserted into capstan shaft.

Remove the capstan as described in paragraphs 4-62a and adjust as follows:

a. *Requirement.* The capstan must be positioned to line up with the sprocket punch.

b. *Adjustment.* With capstan removed, install or remove shims (as required) to meet the requirement, and replace capstan as described in paragraph 4-62b. Perform capstan height adj. (para 4-103.1).

4-102. Stripper Positioning Adjustment

(fig. 4-52)

a. *Requirement.* The stripper must line up with the capstan.

b. *Adjustment.* Loosen the two mounting screws and position the stripper to meet the requirement. Perform stripper height adj. (para 4-103.2).

4-103. Retainer Positioning Adjustment

(fig. 4-52)

Remove the tape motion sensor assembly as described in paragraph 4-49a and adjust as follows:

a. *Requirement.* The retainer must hold the tape properly to allow consistent hole spacing.

b. *Adjustment.* Loosen the mounting screw through the access hole in the top of the retainer. Thread tape between the retainer and the capstan, and push the retainer snugly (but not tightly) against the tape. If the tape does not move, loosen the retainer. If the hole spacing is erratic, tighten the retainer to meet the requirement.

c. *Tape Drag Check* (fig. 4-51.1). To measure tape drag, perform the following:

(1) Insert tape into the perforator in the normal fashion. Leaving the tape retainer in the unlatched position, depress the FEED switch and slowly pull the tape to the left. The tape will split at the sprocket line. Run from one to two feet of tape in this manner. Pull the split tape back to the right about half way and close the tape retainer to the latched position.

(2) Using a gram gage (Correx #15-150 grams, Tally part No. 4043404, FSN 5210-930-9199), pull the tape forward (fig. 4-51.1). The split tape should pass between the tape retainer, tape stripper, and capstan with less than 90 grams of pull. If more than 90 grams is required, adjust as follows:

(a) Ensure that the tape stripper is all the way to the right.

(b) Check to see that there is a 0.005- to 0.006-inch clearance between the tape retainer and the rim of the capstan by performing the retainer positioning adjustment described in b above.

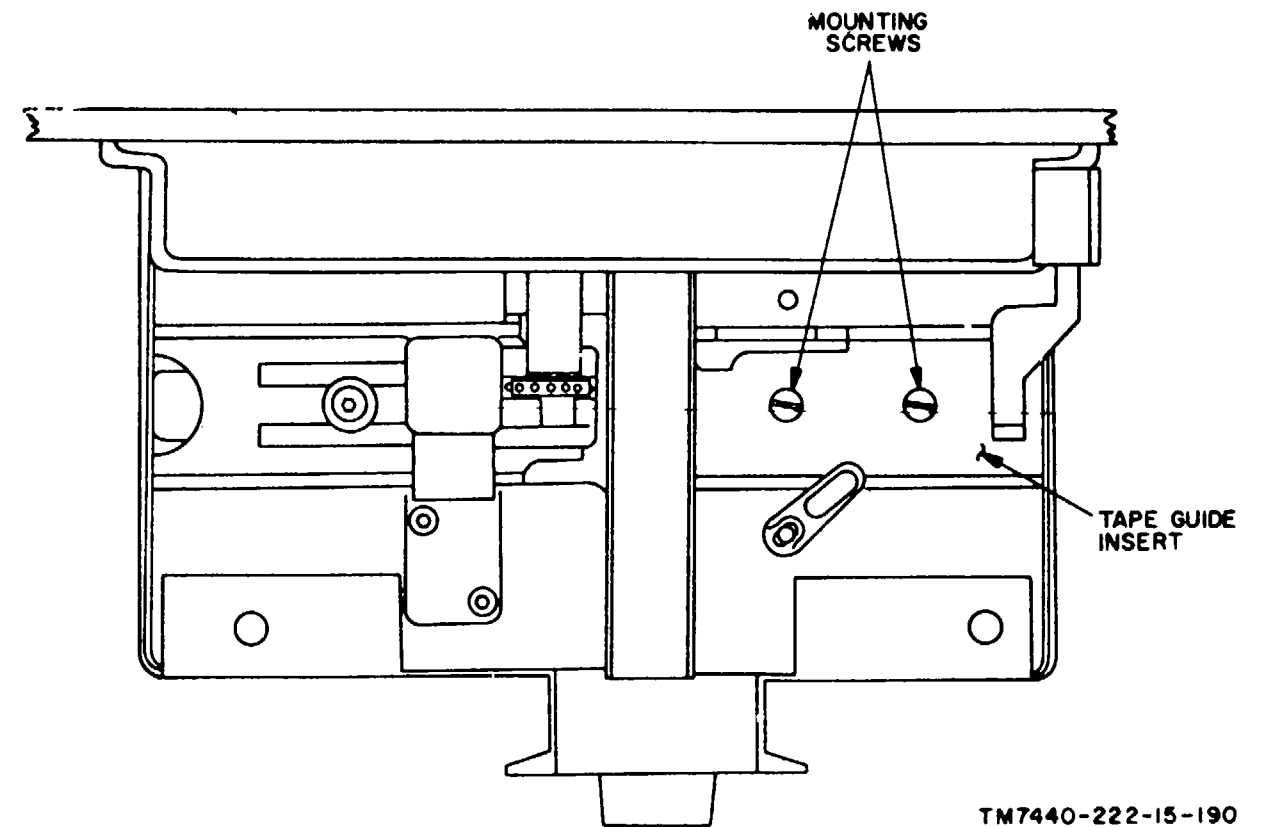
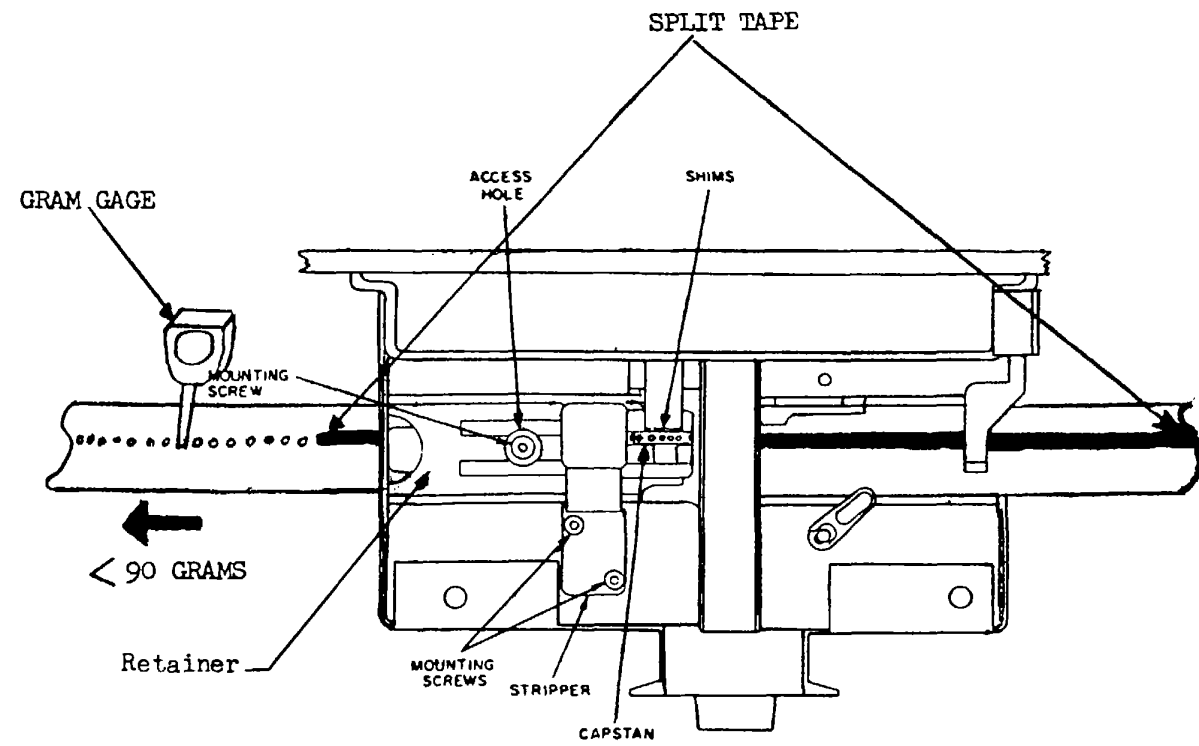
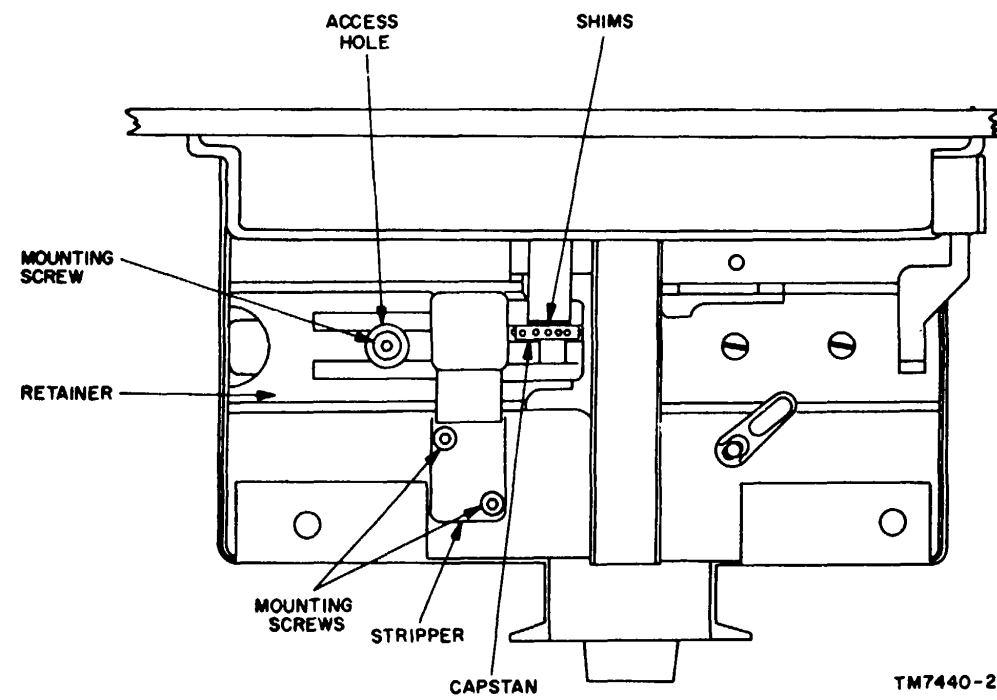


Figure 4-51. Tape guide insert positioning requirement.



EL7440-222-15-C5-TN-4

Figure 4-51.1. Tape drag check.



TM7440-222-15-191

Figure 4-52. Capstan, stripper, and retainer positioning requirements.

4-103.1. Capstan Height Adjustment.

(fig. 4-52.1)

- a. Requirement. The capstan should be 0.104 to 0.105 inches above the tape deck.
- b. Method of Checking. Remove chad chute and chad auger, and place capstan height gage 380120 under the capstan as shown in figure 4-52.1. Edge of capstan wheel should rest on top of gage as shown in the figure.
- c. Adjustment. Loosen four screws (137, 138, fig. 4-21) mounting capstan drive mechanism to rear of panel and move capstan drive mechanism vertically to meet the requirement. Tighten mounting screws.

4-103.2. Stripper Height Adjustment

(fig. 4-52.2)

- a. Requirement. Lower edge of stripper fingers should be 0.110 inches minimum above tape deck.
- b. Method of Checking. Remove chad chute and chad auger, and place stripper gage 380110 under the capstan as shown in figure 4-52.2. Lower edge of stripper fingers should rest on top of gage as shown in the figure.
- c. Adjustment. Remove two screws (60, fig. 4-21) mounting stripper to tape deck and insert shims to move the stripper vertically to meet the requirement.

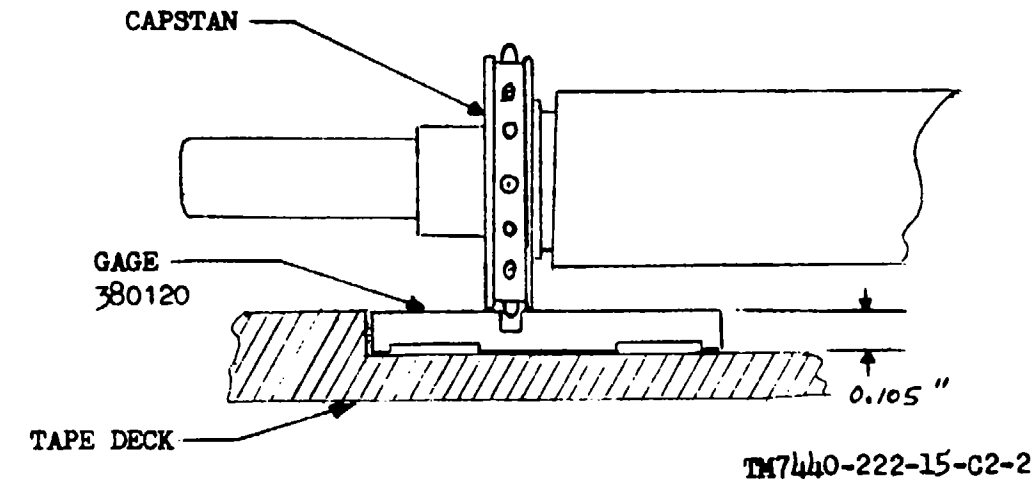


Figure 4-52.1. Capstan height gage in use.

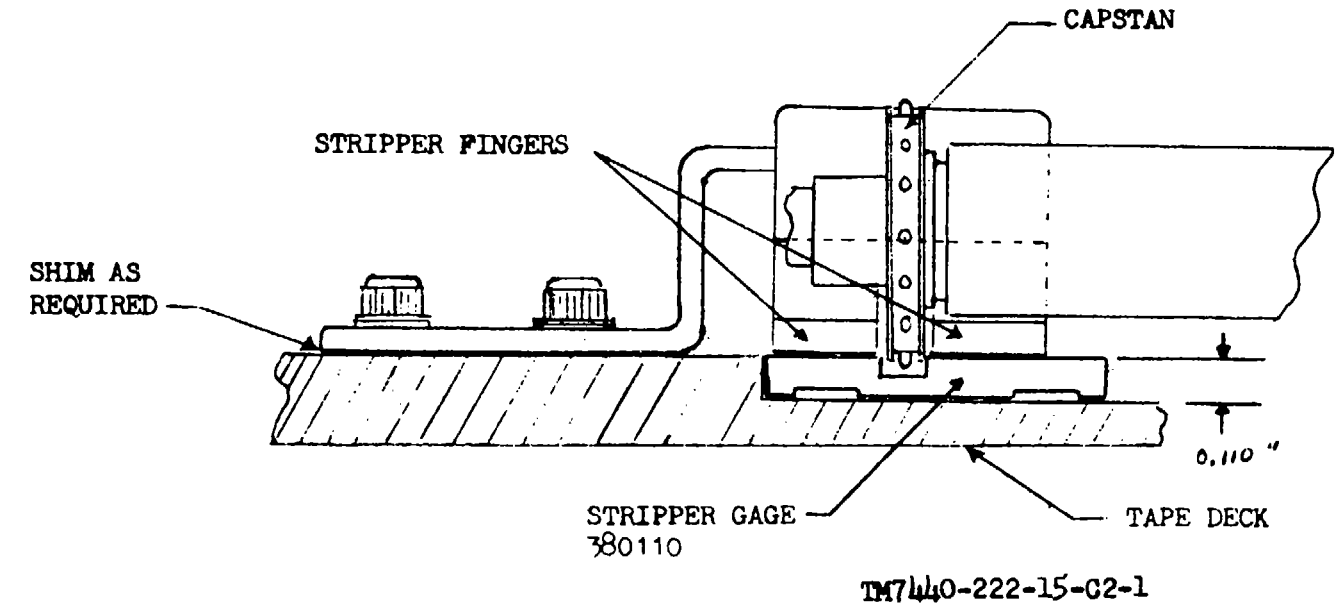


Figure 4-52.2. Stripper gage in use.

4-104. Capstan Drive Mechanism Adjustment
(fig. 453)

Remove the capstan drive mechanism assembly as described in paragraph 4-61a and adjust as follows:

a. *Requirement.* The centers-center hole spacing on the low speed perforator must be maintained between 0.097 and 0.103 inch, and the accumulated spacing error over 5 inches of tape must be within ± 0.125 inch. The distance from hole 1 to hole 51 (leading edge to leading edge) must be between 4.975 and 5.025 inches.

b. *Method of Checking.* Using tape gage 4043401, measure the spacing over a length of tape containing exactly 50 sprocket holes.

c. *Adjustment.* Loosen the clamping screw on the capstan adjusting plate and turn the adjusting screw clockwise to lengthen hole spacing; counterclockwise to shorten hole spacing. See that the adjust lever is hard against the adjusting screw. Tighten the clamping screw. Repeat as necessary to meet the requirements.

Note:

If the adjustment in c above does not provide correct hole spacing, return the adjusting screw to its midpoint. Loosen the capstan as described in paragraph 4-62 rotate it one-half step in either direction, and retighten. Repeat the adjustment in c above.

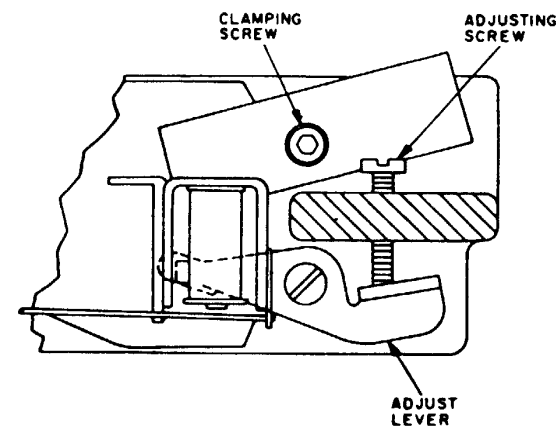


Figure 4-53. Capstan drive mechanism requirement. TM7440-222-15-192

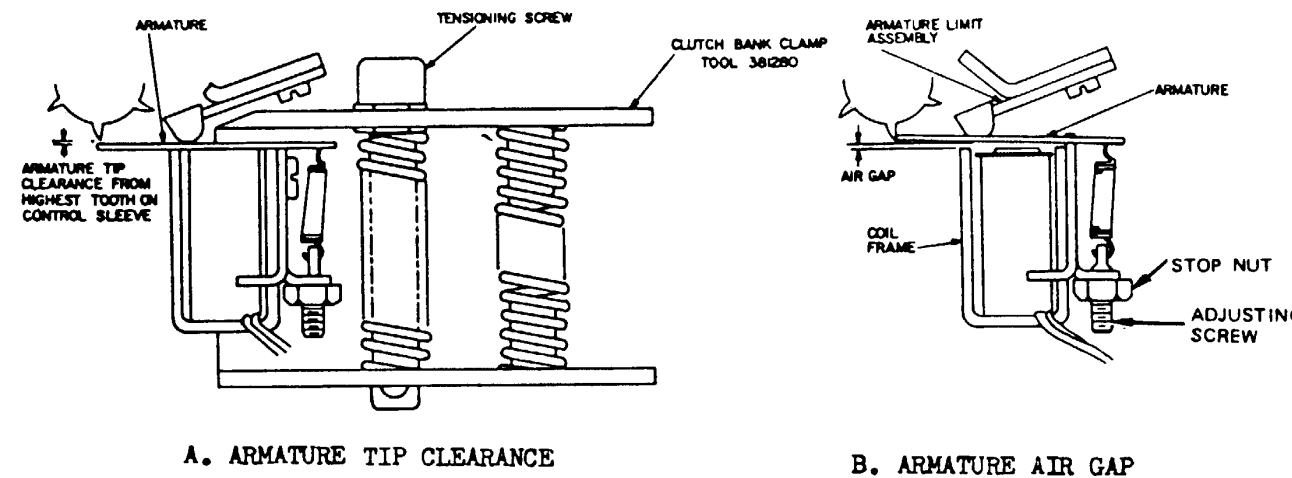


Figure 4-54. Punch mechanism escapement requirements.

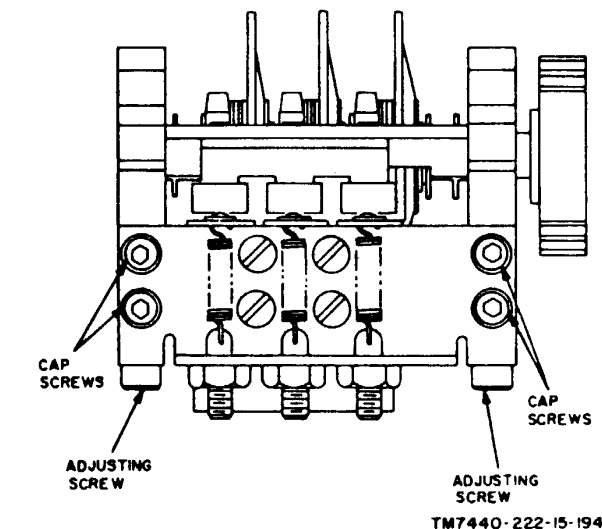


Figure 4-55. Punch mechanism armature tip to clearance requirement.

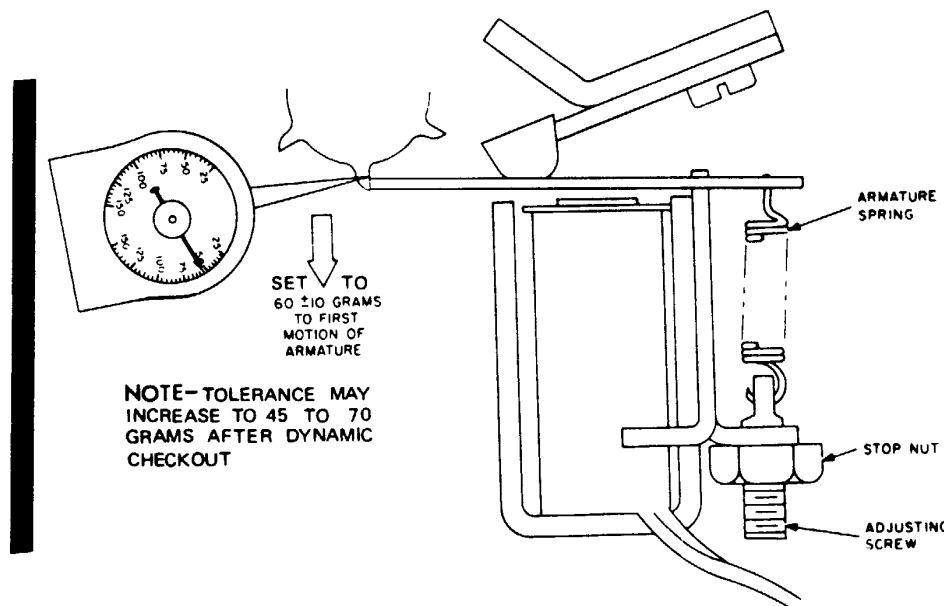


Figure 4-56. Punch mechanism armature spring tension check point.

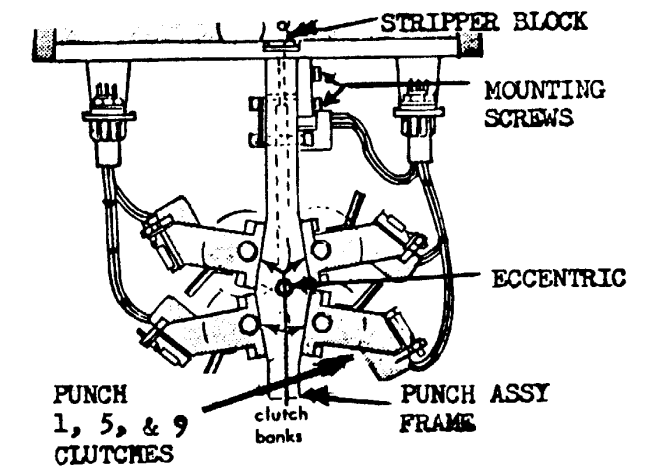


Figure 4-57. Punch penetration adjustments detail.

CAUTION:

Before installing a clutch bank assembly, always check to be sure the adjustment requirements of paragraphs 4-105, 4-107, and 4-114 are met. Then turn all corresponding eccentrics to bottom dead center (punches down) and assure all clutch bank spring clutch assemblies are latched as outlined in paragraph 4-57b.

4-105. Clutch Bank Armature Tip Clearance and Air Gap Adjustment (figs. 4-54 and 4-55)

Remove the clutch bank assembly as described in paragraph 4-57a and adjust it as follows:

a. *Requirement.* The clearance between the highest tooth on each control sleeve and the corresponding armature (armature tip clearance) must be between 0.004 and 0.006 inch for all outboard clutch armatures. The gap between the heel of the armature and the upper edge of the coil frame (air gap) must be between 0.016 and 0.018 inch for all outboard clutch armatures. Tip clearance and air gap for center armatures on 3-armature clutch bank assemblies will vary from 0.004 to 0.009 inch for tip clearance and from 0.016 to 0.021 inch for air gap.

b. *Adjustment.*

(1) *Armature Tip Clearance.* Armature tip clearance affects the air gap, therefore the tip clearance must be adjusted first as follows:

(a) Insert the clutch bank clamp tool 381280 as shown in figure 4-54 and adjust the tensioning screw to apply only enough pressure to hold the armatures in the normal maximum downward travel position.

(b) Loosen the four cap screws (fig. 4-55), insert a 0.005-inch feeler gage between each outboard armature tip and the highest tooth on its associated control sleeve, and turn the adjusting screws (fig. 4-55) to obtain the proper tip clearances. Tighten the four cap screws. If the clutch bank assembly has three armatures, check the center armature for proper tip clearance. Adjust the air gap as follows:

(2) *Air Gap.*

(a) Remove the clutch bank clamp tool and measure the gap between the heel of the armature and the upper edge of the coil frame (fig. 4-54); it must be between 0.016 and 0.018 inch for the outboard armatures. The correct air gap for the center armature of a three-armature clutch bank is dependent upon the tip clearance (b (1)(b) above) as indicated below:

<i>Center tip clearance</i>	<i>Correct air gap</i>
0.004 to 0.006-in.	0.016 to 0.018-in.
0.007-in.	0.017 to 0.019-in.
0.008-in.	0.018 to 0.020-in.
0.009-in.	0.019 to 0.021-in.

(b) Adjust the air gap by carefully bending the armature limit assembly to meet the requirement.

NOTE

The air gap adjustment may affect the armature spring tension; therefore, after performing the air gap adjustment, always check and if necessary adjust the armature spring tension (para 4-107).

4-106. (Deleted)

4-107. Clutch Bank Armature Spring Tension Adjustment

(fig. 4-56)

Remove the clutch bank assembly as described in paragraph 4-57a and check and adjust the tension as follows:

a. *Requirement.* A force of 50 to 70 grams, applied at the tip of each clutch bank armature in the direction shown in figure 4-56, should be required to start the armature moving.

b. *Method of Checking.* Use a 15-150-gram gage (FSN 5210-930-9199 or equal) to apply a force as indicated in a above; note the force required to start the armature moving.

c. *Adjustment.* Use an Allen wrench to hold the adjusting screw stationary and turn the stop nut in the direction to obtain the required spring tension. See CAUTION, page 4-38.2.

4-108. Punch Phasing Adjustment

a. *Requirement.* When a clutch bank is installed in the punch mechanism, its punches must be phased with those of the other clutch banks, to insure that all punches are in and out of the tape at the same time.

b. *Method of Checking.* Feed a short length of tape in local test mode and then shut the unit down. Remove the oil pan (52, fig. 4-21) and note the position of the echo check contacts (22, fig. 4-27). If a punch pin is not properly phase adjusted, its corresponding echo check contacts will not be in the fully open position and, the punch pin will be positioned higher than the correctly phase adjusted punch pins.

c. *Adjustment.* After determining which punch pins are not properly phase adjusted, remove the appropriate clutch bank assembly (para 4-57), using caution not to unlatch or otherwise disturb the position of the clutch. Use a sharp pointed tool or small screwdriver to adjust the position of the maladjusted punch pin by carefully rotating the appropriate punch drive gear and eccentric (63, fig. 4-27) to set the echo check contact in fully open position and to set the punch pin at the same height as the correctly adjusted punch pins. Carefully replace the clutch bank assembly (para 4-57) and recheck the adjustment (b above). See CAUTION, page 4-38.2.

d. *Punch Pin Phasing Procedures.* Perform the following whenever clutch bank assemblies are replaced in the punch mechanism:

- (1) Check the clutch bank assemblies for proper adjustment (para 4-105, 4-106 and 4-107).
- (2) Check and, if necessary, perform the punch pin penetration adjustment (para 4-108.1).

(3) Turn the eccentric gear for each punch pin associated with the clutch banks being replaced until the punch pin is positioned at bottom dead center.

(4) Release the armatures on the clutch banks being replaced. Then, turn the gear on the clutch bank gear and shaft assembly (22, fig. 4-28) clockwise (as viewed from the drive gear end) until one tooth on each control sleeve assembly (25) makes contact with its associated armature (2). Turn the gear and clutch shaft assembly an additional four teeth on the spring clutch assembly gear (23) to set the spring tension.

(5) Replace the clutch bank assemblies in their proper position on the punch mechanism. Plug the clutch bank connectors into their respective sockets.

(6) Perform a preliminary punch pin phasing check as follows.

(a) Coat all the clutch banks and their associated moving parts with mechanism oil (Tally Corp. No. 311270) while holding a pan or drip cloth under the punch mechanism to catch excess oil.

(b) Remove the die plate using die plate removal tool FSN 5120-134-1136. (Refer to paragraph 4-56 for die plate removal and replacement procedures).

CAUTION

The following step should be completed within less than 45 seconds.

(c) On equipment modified in accordance with MWO 11-7440-222-30-1/NAVELEX 0967-324-0220/TCTO 31W4-2G-508 (automatic motor-stop feature), press the AC POWER switch to apply power, allow the five automatic all-holes character to be punched, and then press the AC POWER switch to remove power. On equipment without the automatic motor-stop feature, press the AC POWER switch to apply power, insure the WIDE/NARROW switch is set to WIDE, and press the PRINT INDEPENDENT switch to light indicator. Press the LOCAL TEST switch and allow a few characters to be punched, press the STOP switch, and press the AC POWER switch to remove power.

(d) Check the punch pins to insure that all pins have stopped at the lowest point of vertical travel. A punch pin that is out of phase will protrude above the other punch pins in the stripper plate.

(7) If a punch pin is out of phase, adjust it as follows:

(a) Mark the respective clutch (23, fig. 4-28), so that the clutch gear can be rotated and then returned to its original position.

(b) Rotate the marked clutch gear until the out-of-phase punch pin is even with the other punch pins in the stripper plate.

(c) Remove the clutch bank assembly for the out-of-phase pin.

(d) Rotate the appropriate clutch gear back to its original position as marked in (a) above.

(e) Replace the clutch bank assembly and recheck for proper phasing of the punch pins at the stripper plate.

(8) Reassemble the punch and prepare for operation.

(9) Perform the punch mechanism timing check outlined in e below.

e. *Punch Mechanism Timing Check.* The mechanical operation of each punch pin and its associated clutch, with the exception of the punch pin for the edge notch, can be checked with an oscilloscope. Perform the timing check as follows:

(1) Connect oscilloscope channel B to logic assembly terminal XA7-pin 6 ADVANCE signal. Parallel the connection to logic assembly XA7-6 to the EXT SYNC IN input to the oscilloscope. Set up the oscilloscope to trigger on the negative slope of this signal, for channel A and channel B display, with a minimum sweep time of 15 milliseconds.

(2) Connect oscilloscope channel A to the echo contact signal for each of the punch pins.

Refer to the following chart:

<i>Signal</i>	<i>Logic assembly terminal</i>
ECHO BIT 1	A1J3-A
ECHO BIT 2	A1J3-B
ECHO BIT 3	A1J3-C
ECHO BIT 4	A1J3-D
ECHO BIT 5	A1J3-E
ECHO BIT 6	A1J3-F
ECHO BIT 7	A1J3-H
ECHO BIT 8	A1J3-J
ECHO SPROCKET	A1J3-K

(3) With power applied to the low speed tape punch, set the PRINT INDEPENDENT switch to light the indicator, and press the LOCAL TEST switch.

(4) The waveshapes displayed on the oscilloscope, when set to the channel A and channel B positions, should meet the requirements shown in figure 4-57.1 for each of the ECHO signals listed in (2) above. Any variations in the waveshapes can indicate the following troubles:

(a) If the waveshape displayed on channel A of the oscilloscope occurs in less than 9.75 milliseconds from the leading edge of the ADVANCE signal displayed on channel B, the phasing is advanced one or more teeth on the eccentric gear of that punch pin.

(b) If the waveshape displayed on channel A of the oscilloscope occurs in more than 10.25 milliseconds from the leading edge of the ADVANCE signal displayed on channel B, the phasing is late one or more teeth on the eccentric gear of that punch pin.

(c) If more than one pulse occurs on channel A of the oscilloscope, a bad echo contact is indicated. An erratic appearance of the displayed pulse can also indicate double punching which can be visually verified by examining the paper tape.

(d) If the pulse appears to jitter, the clutch is bad, requiring replacement of the clutch bank assembly.

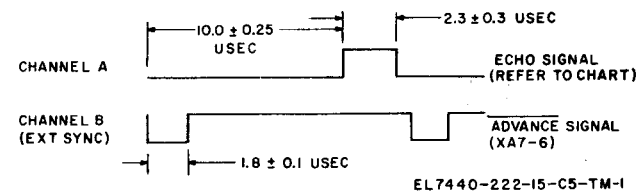


Figure 4-57.1. Low speed paper tape punch timing requirements.

4-108.1. Punch Penetration Adjustment (fig. 4-57)

a. *Requirement.* Punch penetration through the stripper block should be between 0.018 and 0.024 inch.

b. *Adjustment.* Remove the die plate and the lower right clutch bank assembly. Adjust punches 1 and 9 to top dead center. Loosen the frame mounting (fig. 4-57), position the punch assembly frame to set punches 1 and 9 to 0.022 +0.002 -0.004 inches above the top surface of the stripper block, and tighten the mounting screws. Adjust phasing of punches 1 and 9 for bottom dead center and reassembly the punch mechanism.

4-108.2. Clutch Bank Drive Gear Backlash Adjustment (fig. 4-7.2)

Before performing the clutch bank drive gear backlash adjustment, insure that the armature tip clearance and air gap (para 4-105) and the armature spring tension (para 4107) are properly adjusted, then perform the punch phasing adjustment (para 4-108).

a. *Requirement.* Each of the four clutch bank drive gears should have equal backlash when engaged with the drive motor gear. The backlash requirement is illustrated in figure 4-57.2.

b. *Method of Checking.* Check the rotation of the clutch bank drive gears when engaged with the drive motor drive gear. Each of the clutch bank drive gears should have equal rotation (fig. 4-57.2) and exhibit no binding.

c. *Adjustment.*

(1) Check, and if necessary, adjust the punch pin penetration as described in paragraph 4-108.1.

NOTE

The punch pin penetration adjustment will directly affect the backlash adjustment. Always check the backlash adjustment, steps (2) through (5) below, after the penetration adjustment has been performed.

(2) Loosen (1/2 to 3/4 turn) the three socket head cap screws (163, fig. 4-21 (2)) holding the drive motor to the mounting rack panel (178).

(3) Position the drive motor so that the drive motor gear is an equal distance from each of the four clutch bank drive gears, then tighten the drive motor mounting screws.

(4) Check the adjustment by rotating the drive motor gear to ensure that high points on the drive motor gear or the clutch bank drive gears do not cause binding.

(5) If binding cannot be eliminated by movement of the drive motor, additional clearance can be obtained by moving the entire punch mechanism as follows:

(a) Loosen the capstan drive mechanism assembly (140, fig. 4-21(2) by turning the four screws (138 and 139).

(b) Loosen the punch mechanism assembly (135, fig. 4-21(1) by turning the four screws (133).

(c) Using a nonmetallic mallet, gently tap the punch mechanism (135) to properly position the clutch bank drive gears around the punch drive motor gear. Then, tighten the punch mechanism assembly mounting screws.

(d) Perform the capstan height adjustment (para 4-103) and tighten the capstan drive mechanism screws.

(e) Adjust the capstan drive belt tension (para 4-115.1).

4-109. Capstan Drive Mechanism Escapement Adjustments

Figure 4-58 shows the capstan drive mechanism escapement assembly tolerances. Adjustment procedures for both forward and reverse escapements are identical, but the clearances differ; therefore, different gages must be used.

The following adjustment procedures (para 4-110 through 4-120) are based on a forward escapement, but include gage identification for reverse escapement adjustment also.

4-110. Capstan Drive Mechanism Heel Gap Adjustment(fig. 458)

Remove the capstan drive mechanism assy (para 4-61) and adjust it as follows:

a. *Requirement.* The gap between the heel of the armature and the upper edge of the slot in the armature limit must be between 0.016 and 0.018inch for the forward escapement and between 0.021 and 0.023-inch for the reverse escapement.

b. *Method of Checking.*

(1) *Forward Escapement.* Insert heel gap gage 359560 (0.016-in. end) into the slot of the armature limit (fig. 4-58). The gage must slip in easily. Insert the 0.018-in. end of the gage into the slot; a perceptible drag should be noticed.

(2) *Reverse Escapement.* Insert the 0.021-in. end of heel gap gage 229470 into the armature limit slot (fig. 4-58); it should slip in easily. Insert the 0.023-in. end of the gage into the slot; a perceptible drag should be noticed.

c. *Adjustment.* Loosen the screw (fig. 4-58) and insert the 0.018-in. end of heel gap gage 359560 (for forward escapement) or the 0.023-in. end of gage 229470 (for reverse escapement). Press the armature limit firmly against the gage until the requirement is met, then carefully tighten the screw using caution not to pivot the coil frame on the bracket.

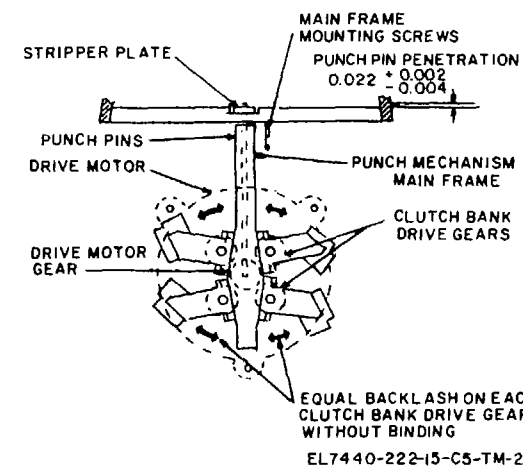


Figure 4-57.2 Clutch bank drive gear backlash and punch pin penetration requirements.

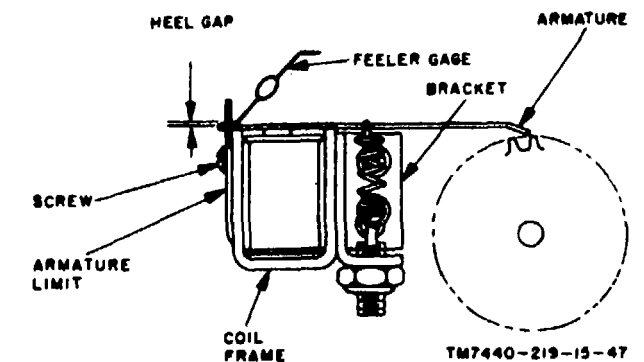


Figure 4-58. Capstan drive mechanism heel gap requirement

4-111. Capstan Drive Mechanism Armature Tip Clearance Adjustment (fig. 4-59)

Remove the capstan drive mechanism assy as described in paragraph 4-61

a. *Requirement* The clearance between the armature tip and the clutch tooth must be between 0.008 and 0.010 inch for the forward escapement and between 0.007 and 0.013 inch for the reverse escapement.

b. *Method of Checking.*

(1) *Forward Escapement.* Insert the 0.016-in. end of heel gap gage 359560 into the slot of the armature limit. Turn the clutch to position the flat of a tooth directly under the armature tip. Insert the 0.008-in. end of tip clearance gage 327940 between the armature tip and the tooth. The gage must slip in easily. The 0.010-in. end of the 327940 gage must slip in with perceptible drag.

(2) *Reverse Escapement.* Insert the 0.021-in. end of heel gap gage 229470 into the slot of the armature limit. Turn the clutch to position the flat of a tooth directly under the armature tip. Insert the 0.007-in. end of tip clearance gage 228860 between the armature tip and the tooth. The gage must slip in easily. Insert the 0.013-in. end of tip clearance gage 228860 between the armature tip and the tooth; it must slip in with perceptible drag.

c. *Adjustment.* Loosen mounting screws, place a small screwdriver between mounting screws and the bracket, and turn assembly in the direction necessary to meet requirement, and retighten the mounting screws. An alternate method of positioning the assembly is to lightly tap the assembly at the bottom of the bracket to reduce clearance, or at the top of the bracket to increase clearance. Be careful to avoid distorting the coil frame or bracket.

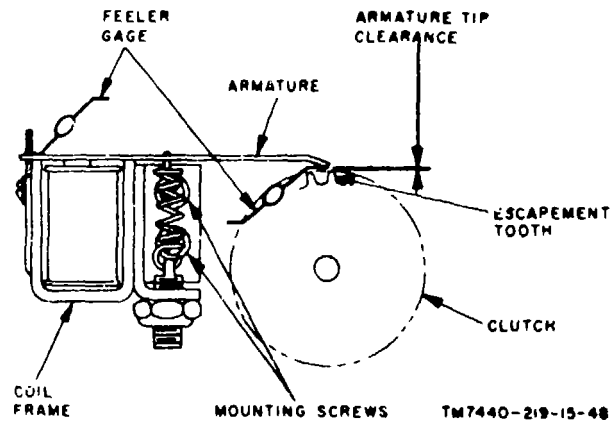


Figure 4-59. Capstan drive mechanism armature tip clearance requirement.

4-112. Capstan Drive Mechanism Armature Spring Tension Adjustment

Remove the capstan drive assy (para 4-61).

a. *Requirement.* The armature return spring tension must be between 190 and 220 grams (both forward and reverse escapements).

b. *Method of Checking.* Attach gram gage 4043402 and exert a force at 90° from the armature as shown in figure 4-60.

c. *Adjustment.* Use an Allen wrench to hold the adjusting screw stationary and turn the stop nut in the direction required to obtain the correct tension.

4-112.1. Forward Friction Clutch Torque Measurement (fig. 460.1)

a. *Requirement.*

(1) Operate the motor for at least 10 minutes before checking the clutch torque. Attach the torque arm clamp 319170 to the capstan hub (fig. 4-60.1) and reenergize the motor; do not pulse the unit.

(2) Use a paper clip to attach the 15-150 gram gage (FSN 5210-930-9199) to the tip of the torque arm as shown in fig. 4-60.1. Note the position of the tip of the armature with respect to the escapement tooth that it engages.

(3) Pull gently on the gram gage in the direction shown and record the measured force as the tooth moves away from the actuator tip.

(4) Allow the torque arm to return with the torque of the clutch and record the gram gage indication during the null period, which occurs just before the escapement tooth re-engages the actuator tip.

(5) The sum of the two readings obtained in (3) and (4) above should be between 90 and 110 grams.
 b. *Corrective Action.* If the friction clutch does not meet the above torque requirement, replace the defective clutch to restore the low speed tape punch to operation.

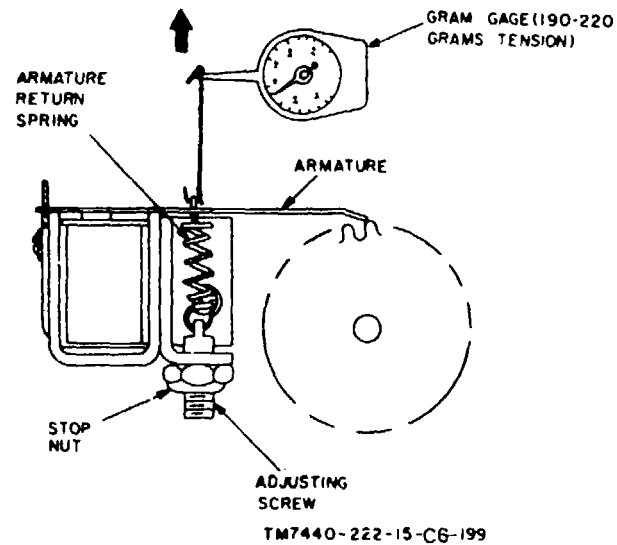


Figure 4-60. Capstan drive mechanism armature spring tension requirement.

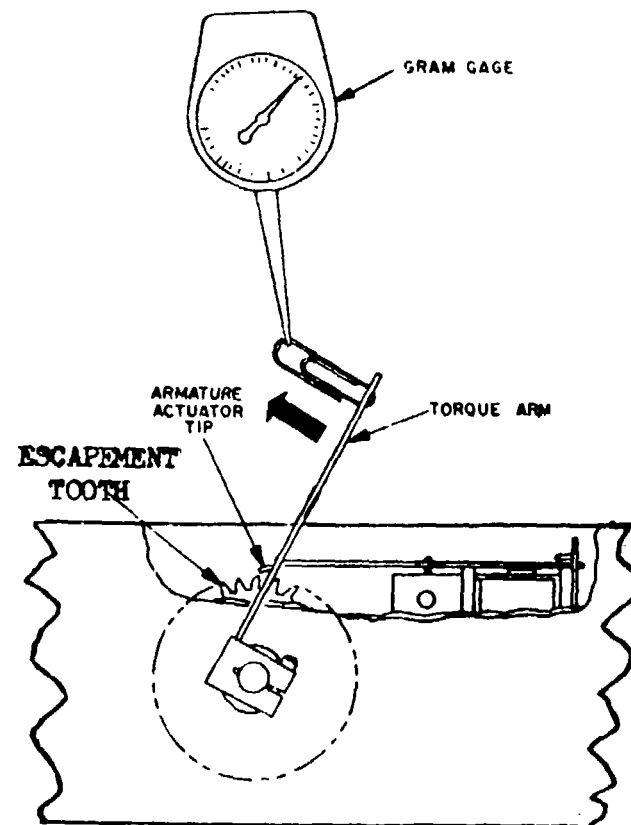


Figure 4-60.1. Forward friction clutch torque measurement details.

4-113. Punch Mechanism End Play Adjustment (fig. 4-61)

Remove and disassemble the punch mechanism assembly as described in paragraphs 4-55a and 4-56a, respectively, and adjust for end play as follows:

a. *Requirement.* Punch mechanism assembly end play must be between 0.004 and 0.008 inch.

b. *Adjustment.* When reassembling the punch drive gear and eccentric assembly on the pivot shaft, insert the proper thickness of shims between the gear assembly, the punch and drive link assemblies, and the main frame to provide the required end play.

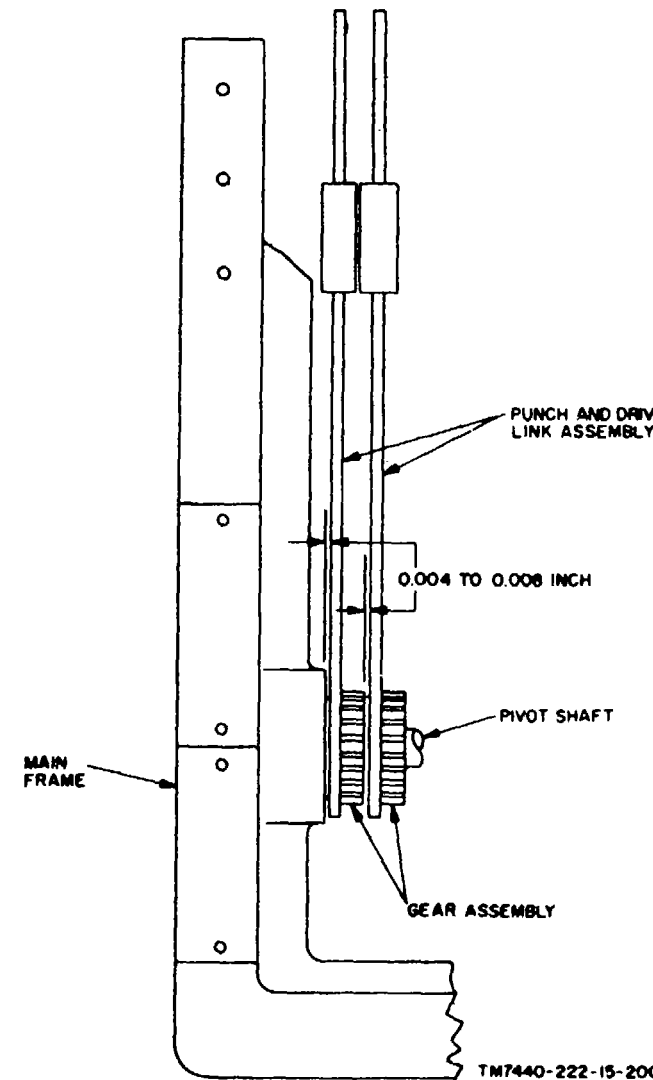


Figure 4-61. Punch mechanism end play requirement.

4-114. Clutch Bank End Play Adjustments (fig. 4-62)

Note:

The clutch bank end play adjustment requirement may be checked in the field, however improperly adjusted clutch banks should be returned to depot since reassembly without proper alignment jig is extremely difficult.

Remove the clutch bank assemblies as described in paragraph 4-57a, and adjust for end play as given below.

a. *Requirement.*

(1) Individual clutch assembly and control sleeve end play must be between 0.003 and 0.005 inch. Total end play for all clutch assemblies and control sleeves must average 0.003 inch minimum per clutch assembly and control sleeve.

(2) Clutch bank gear and shaft assembly end play must be between 0.002 and 0.005 inch.

b. *Method of checking.*

(1) Insert feeler gage between the shims and the retaining ring of each individual clutch assembly and control sleeve to check individual requirement. To check total requirement, insert 0.003inch feeler gages simultaneously in both (or all three) clutch assemblies on the shaft.

(2) Insert feeler gage between the shims and the retaining ring on the thrust washer end of the gear and shaft assembly.

c. *Adjustment.* Disassemble and reassemble the clutch bank assembly as outlined in paragraph 4-58. When reassembling the clutch bank assembly, insert the proper thickness of shims (given below) between the retaining rings and the control sleeves and between the retaining ring and thrust washer or gear end bearing to meet both requirements.

Dia x Thk	Part NO.	NSN
0.253 x 0.003	225374	5305-00-178-6044
0.253 x 0.010	225376	5365-00-182-6731

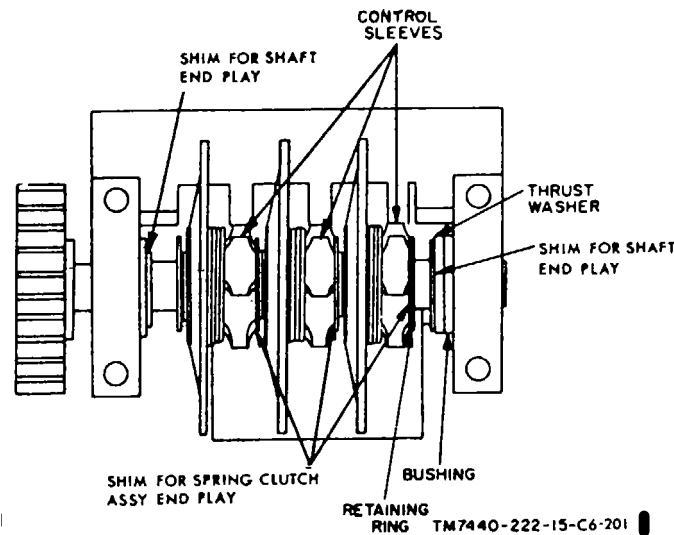


Figure 4-62. Clutch bank end play requirement.

4-115. Capstan End Play Adjustment
(fig. 4-63)

Remove and disassemble the capstan drive mechanism assembly as described in paragraphs 4-61a and 4-62a, respectively, and adjust for end play as follows:

a. *Requirement.* Capstan assembly end play must be between 0.002 and 0.004 inch.

b. *Adjustment.* When reassembling the capstan assembly on the capstan shaft, insert the proper thickness of shims between the capstan assembly and the ball bearing to provide the required end play.

4-115.1. Capstan Drive Belt Tension Adjustment
(fig. 4-63.1)

a. *Requirement.* When a force of 200 grams (+20 grams) is applied with gram gage FSN: 5210-799-1771 to the drive belt midway between the drive and driven pulleys the belt should deflect 1/4 to 3/8 inch.

b. *Adjustment.* Loosen the idler bracket mounting screws, reposition the bracket to obtain the required deflection, and tighten the mounting screws.

CAUTION

Excessive drive belt tension causes overheating and excessive wear on the capstan input bearing end of the drive train. If evidences of overheating are noted, always check the belt tension.

4-115.2. Capstan Drive Pulley Alignment
(fig. 4-62.1)

a. *Requirement.* The capstan drive belt pulleys must be aligned and when the unit is operating, the belt edges should not touch either flange on the pulleys.

b. Adjust the position of the pulleys on their shafts to meet the requirement.

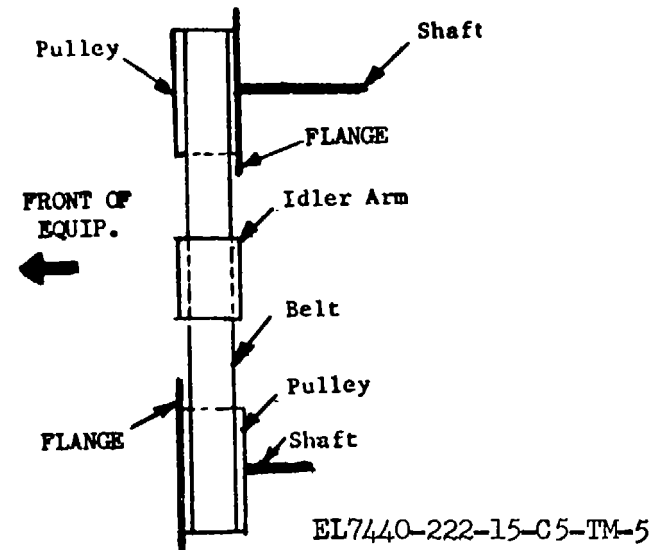


Figure 4-62.1. Drive pulley alignment.

4-115.3. Tape Motion Sensor Positioning Adjustment

a. *Requirement.* The tape motion sensor assy must be positioned to provide a positive MOTION SENSOR STROBE signal each time the paper tape advances one character position through the tape punch mechanism.

The pulse must have an amplitude of +3.9 VDC (± 0.5 VDC) and a pulse duration of 1.5 msec (± 1.0 msec). Also, the tape motion sensor must be positioned to provide the following timing relationship between the MOTION SENSOR STROBE signal and the positive-going (logic 0 to logic 1) transition of the timing signal PCH:

(1) The leading edge (0 to +3.9 VDC transition) of the MOTION SENSOR STROBE signal must not occur until a minimum of 8.6 msec after the positive-going transition of the signal PCH in 60-Hz operation. For 60-Hz operation, the minimum time is 8.7 msec.

(2) The trailing edge (+3.9 to 0 VDC transition) of the MOTION SENSOR STROBE signal must occur before a maximum of 13.2 msec after the positive-going transition of the PCH signal for 60-Hz operation. For 50-Hz operation, the maximum time is 13.5 msec.

b. *Method of Checking.*

(1) Connect the external trigger (sync) input of the oscilloscope to logic assy A1A12, pin V (signal PCH) and adjust the oscilloscope to trigger a 20 msec display sweep on the leading edge of a positive pulse at A1A12, pin V.

(2) Connect the signal input probe of the oscilloscope to logic assy A1A9, pin 17 to display the waveshape of the MOTION SENSOR STROBE signal.

(3) Press LOCAL TEST or TAPE FEED switch-indicators and observe the oscilloscope display to determine that the MOTION SENSOR STROBE signal meets the above requirements.

c. *Adjustment.* If the displayed pulse is of the wrong width or if there are additional smaller pulses displayed, loosen the two capscrews (27, fig. 4-21) one or two turns. Operate the paper tape punch by pressing LOCAL TEST or TAPE FEED switch-indicator and position the tape motion sensor assy (30, fig. 4-21) until the oscilloscope display shows a wave-shape that meets the requirements in a above. Tighten the capscrews and recheck for correct waveshape display.

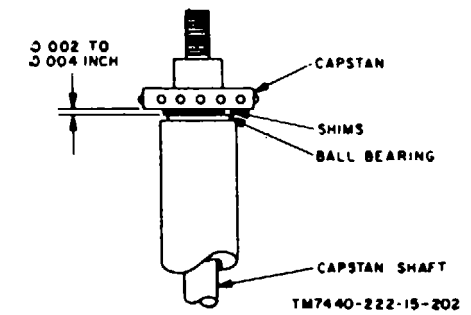


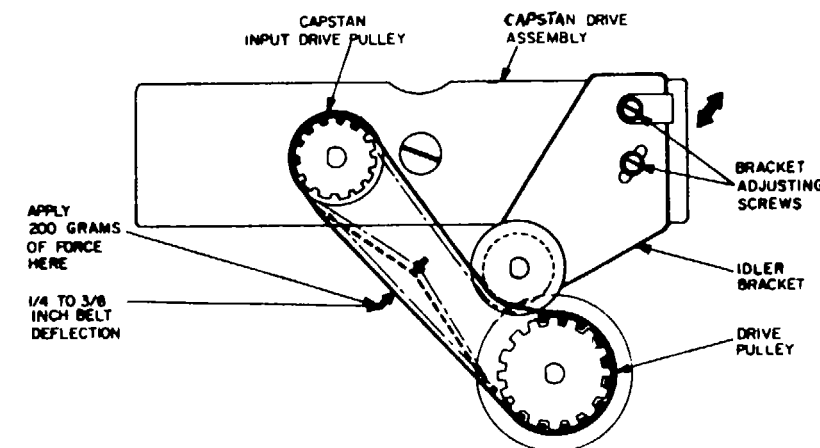
Figure 4-63. Capstan end play requirement.

4-115.4. Adjustment of Logic Clock Oscillator

a. *Requirement.* The clock oscillator is adjusted to develop an output square wave at a frequency of 4.8 KHz $\pm 1\%$ (208 ± 3 usec) measured at terminal 11 of logic assembly A1 PC card A3.

b. *Method of Checking.* With power applied, observe the waveshape at logic assembly A1, connector XA3-11. Determine the time duration of one cycle of the waveshape displayed on the oscilloscope.

c. *Adjustment.* Adjust potentiometer A1A3R9 (fig. 5-16) until requirement is met.



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Figure 4-63.1. Capstan drive belt tension adjustment.

4-116. Microswitch Positioning Adjustments

(fig. 4-64)

Remove and disassemble the tape handler as described in paragraphs 4-31a and 4-66a, respectively, and adjust as follows:

a. *Requirement.* When between 4 and 6 inches of tape is fed to the sensor, the motor must turn on, and when the tension arm is in either extreme position, the motor must shut off.

b. *Adjustment.* When reassembling the microswitch position microswitch so that the cam assembly will make contact when the tension arm is in the motor operating position shown in figure 4-64 (4 to 6 inches of tape).

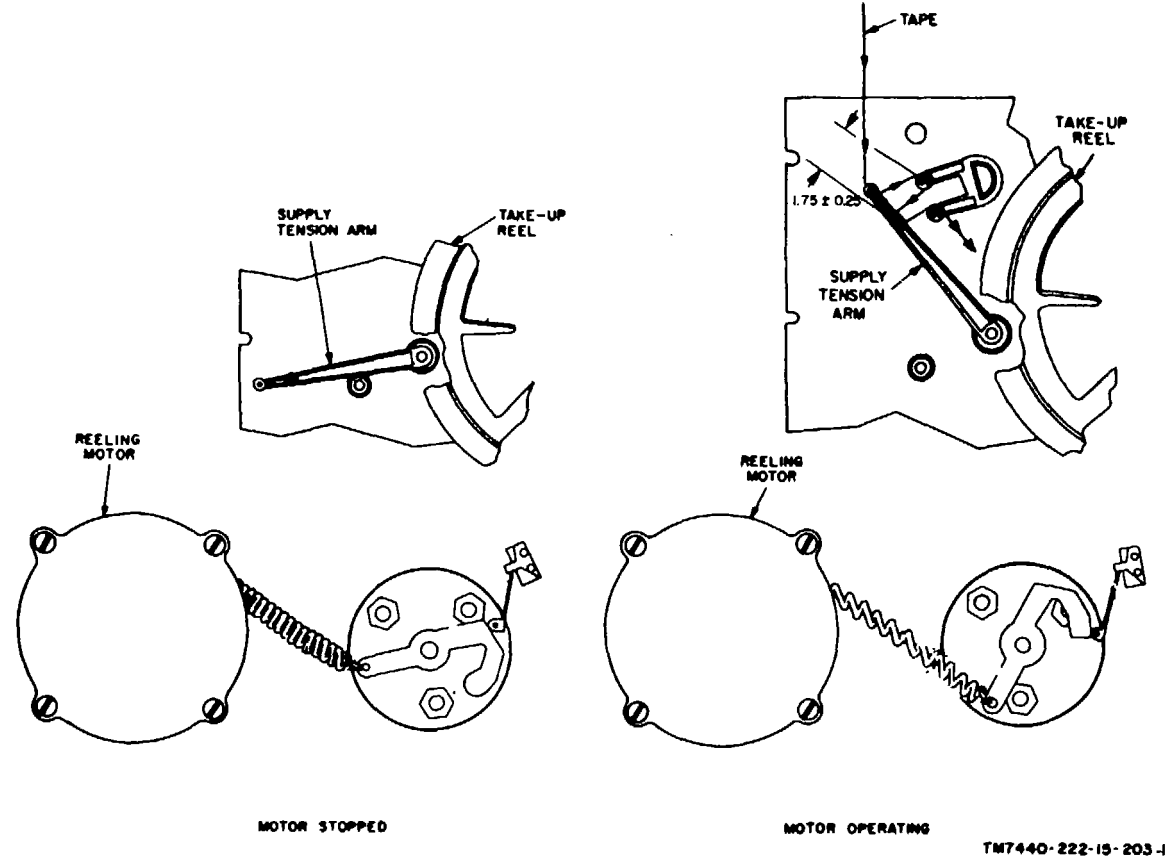


Figure 4-64. Microswitch positioning requirements.

4-117. Detent Tension Arm Clearance Adjustment

(fig. 4-65)

Remove and disassemble the detent housing assembly as described in paragraphs 4-68a and 4-69a, respectively, and adjust as follows:

a. *Requirement.* The clearance between the inside edge of the flanges on the tension arms and the rear of the detent housing must be between 0.065 and 0.069 inch.

b. *Adjustment.* When reassembling the detent housing assembly, insert the proper thickness of shims on the roller pins, between the tension arms and prongs of the detent housing, to provide the required clearance.

4-118. Tension Arm Assembly End Play Adjustment

(fig. 4-66)

Remove and disassemble the tension arm assembly as described in paragraphs 4-70a and 4-71a, respectively, and adjust as follows:

a. *Requirement.* The tension arm shaft end play must be a maximum of 0.005 inch.

b. *Adjustment.* When reassembling the tension arm assembly, insert the proper thickness of shims on the tension arm shaft, between the tension arm and the ball bearing in the bearing tube assembly, to provide the required end play.

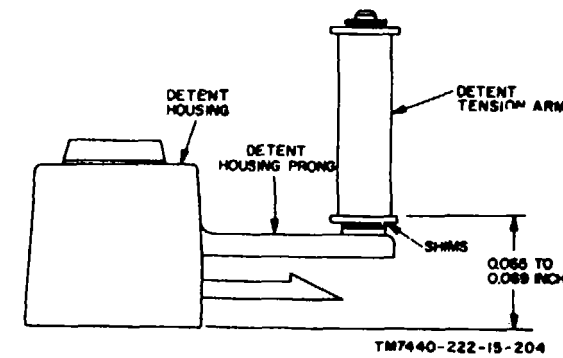


Figure 4-65. Detent tension arm clearance requirement.

4-119. Reel Drive Shaft End Play Adjustment

(fig. 4-67)

Remove and disassemble the tape handler as described in paragraphs 4-31a and 4-70a, respectively, and adjust as follows:

a. *Requirement.* The reel drive shaft end play must be between 0.005 and 0.0165inch.

b. *Adjustment.* When reassembling the reel drive shaft and reel adapter, insert the proper thickness of shims on the reel drive shaft, between the reel adapter and the bushing in the reel shaft bearing tube, to provide the required end play.

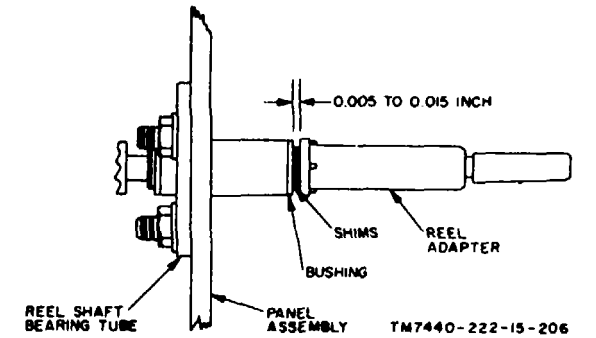


Figure 4-67. Reel drive shaft end play requirement.

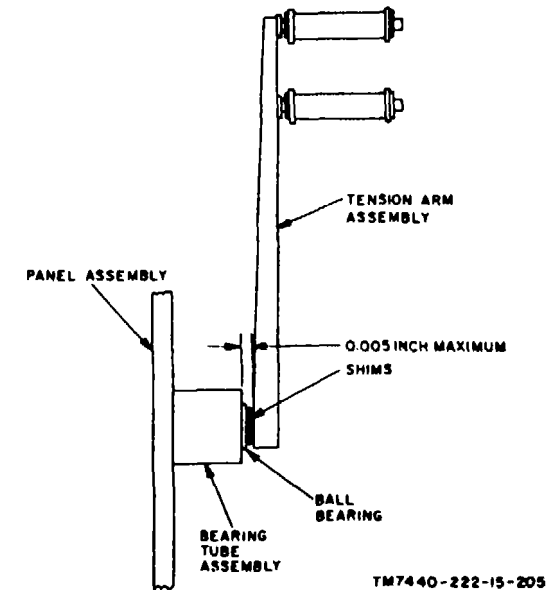


Figure 4-66. Tension arm assembly end play requirement.

4-120. Drive Belt Tension Adjustment

(fig. 468)

a. *Requirement.* With a force of 1 pound (454 grams) applied to the drive belt, the belt should deflect to the index mark on the edge of the panel.

b. *Adjustment.*

(1) Loosen mounting nut on the tension adjusting screw.

(2) Turn the screw and pivot the idler pulley subassembly to meet the belt tension requirement.

(3) Tighten the mounting nut securing the idler pulley subassembly to the motor mounting frame.

4-121. Pulley Alignment Procedure

(fig. 469)

a. *Requirement.* The print drive pulley, the motor pulley, the tape drive pulley, and the idler pulley should align with each other in the same vertical plane.

b. *Adjustment.* Using the fixed position of the print drive pulley as the reference plane, adjust the position of the motor pulley, tape drive pulley and the idler pulley to meet the requirement.

4-122. Pulse Generator Phasing Adjustment

(fig. 470)

a. *Requirement.* The correct as well as the entire character should be printed on the paper tape. There should be no part of the character missing.

b. *Adjustment.*

(1) If the character is being printed too high (bottom missing), move the character phasing handle clockwise. The built-in pressure spring will maintain the adjustment.

(2) If the character is too low or incorrect characters are printed, move the character phasing handle counterclockwise.

(3) After completing the adjustment, check the printed tape and if necessary, repeat the adjustment.

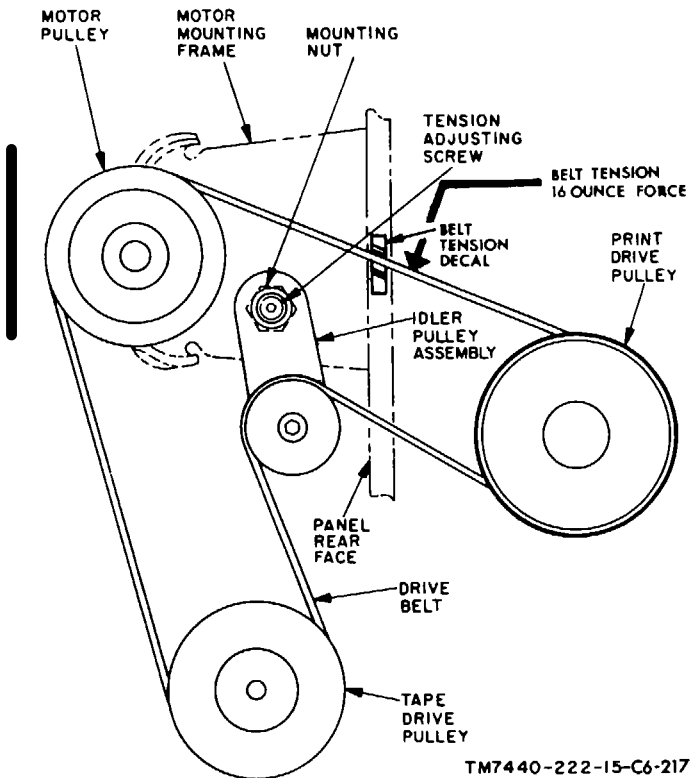


Figure 4-68. Drive belt tension requirements.

4-123. Tape Guide Gap Adjustment
(fig. 471)

a. Requirement. The gap between the top surface of the tape guide and the base of the ribbon/print wheel assembly should be 0.010 inch, and the tape guide should not interfere with the sprockets on the capstan.

b. Adjustment.

(1) Loosen the two screws that secure the tape guide to the tape guide support.

(2) Insert a 0.010 inch feeler gage between the tape guide and base of ribbon/print wheel assembly, and move the tape guide to meet the requirement, maintaining proper guide-to-sprockets relationship.

(3) Secure the tape guide by tightening the two screws.

(4) Check the tape holddown gap requirement para 4-125).

4-124. Sleeve Spacer End Play Adjustment
(fig. 4-72)

a. Requirement. The end play between the support block boss and the sleeve spacer should be 0.003 to 0.008 inch.

b. Adjustment. Loosen the setscrew. Insert a feeler gage between the sleeve spacer and the block boss and move the pin hinge to meet the requirement. Tighten the setscrew.

4-125. Tape Holddown Gap Adjustment
(fig. 4-73)

a. Requirement. The gap between the tape holddown and the top surface of the tape guide should be 0.006 to 0.010 inch.

b. Adjustment. Insert a 0.006 to 0.010 inch feeler gage between the tape holddown and the top surface of the tape guide, and turn the adjusting screw on the tape guide support to meet the requirement.

4-126. Capstan Positioning Adjustment
(fig. 474)

a. Requirement. The distance from the front face of the panel to the center line of the capstan sprockets should be 1.867 inches to insure correct tape alignment with the code disk and print drum.

b. Adjustment.

(1) Using special gage (Anelex part No. 56263 1), position the capstan on the capstan shaft at the required distance from the front face of the panel.

(2) Install the required number of shims to maintain the correct distance.

(3) Secure the capstan on the capstan shaft by inserting the adjustment plug into the colletted end of the shaft and locking with a collet pin driver.

(4) Install the protective plastic tube over the plug stem.

4-127. Coarse Adjustment of Lateral Position of Character on Tape
(fig. 475)

a. Requirement. The position of the printed character should be approximately centered between the sprocket holes on the tape.

b. Adjustment. The coarse adjustment procedure is to be performed with the machine not running (static), and is as follows:

(1) Loosen the tape drive adjustment screw on the rear bearing plate and center the screw in its elongated travel hole; then tighten the screw.

(2) While carefully depressing the armature interposer on the forward escapement assembly, rotate the

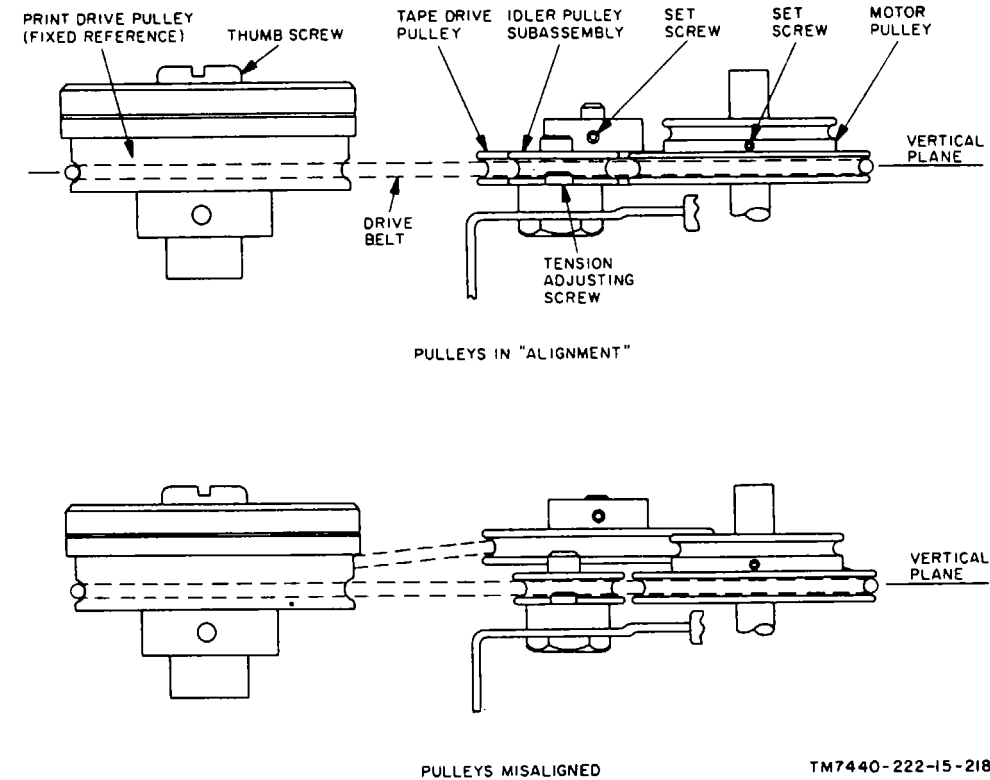


Figure 4-69. Pulley alignment procedure.

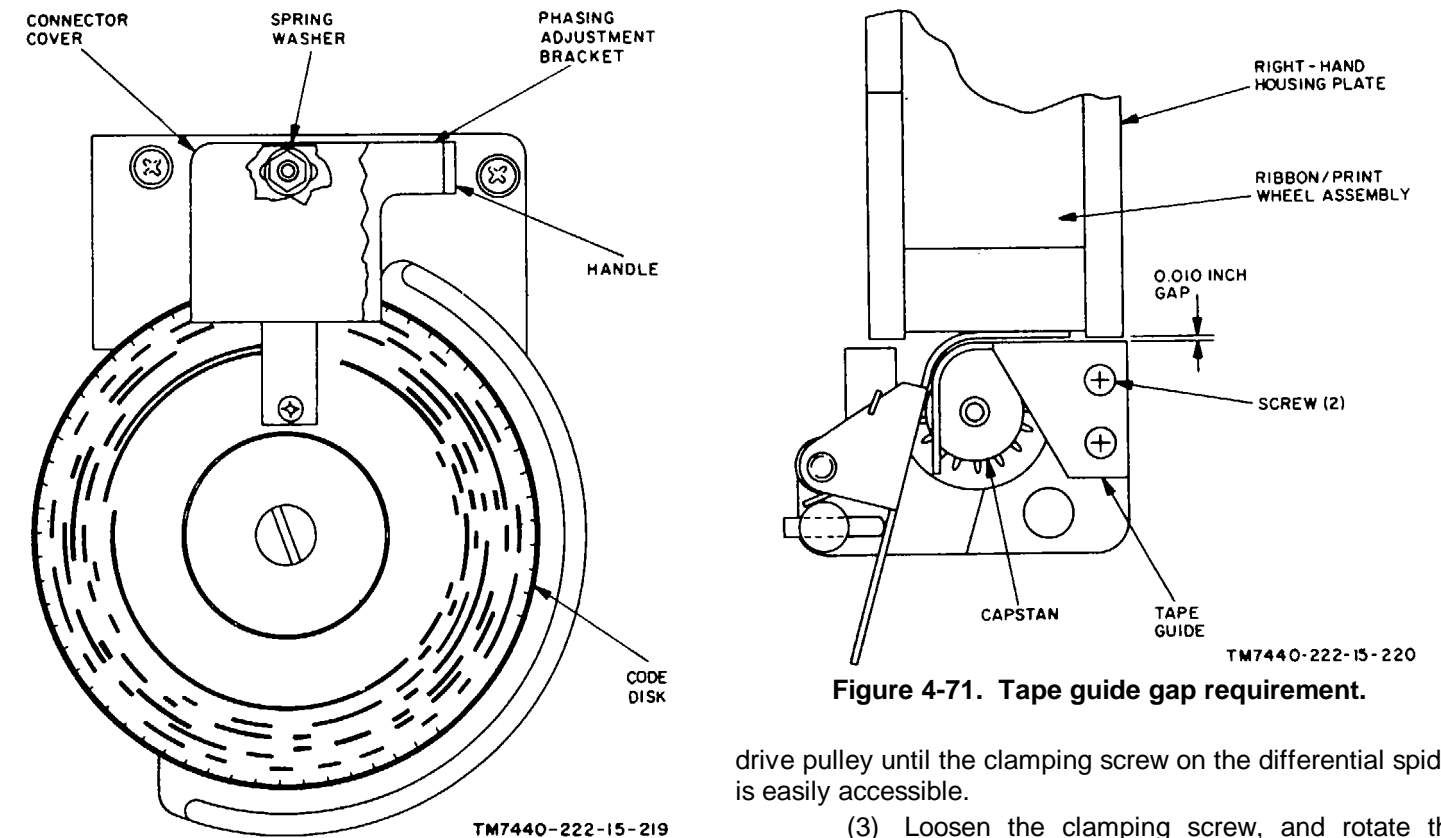


Figure 4-70. Pulse generator phasing requirement.

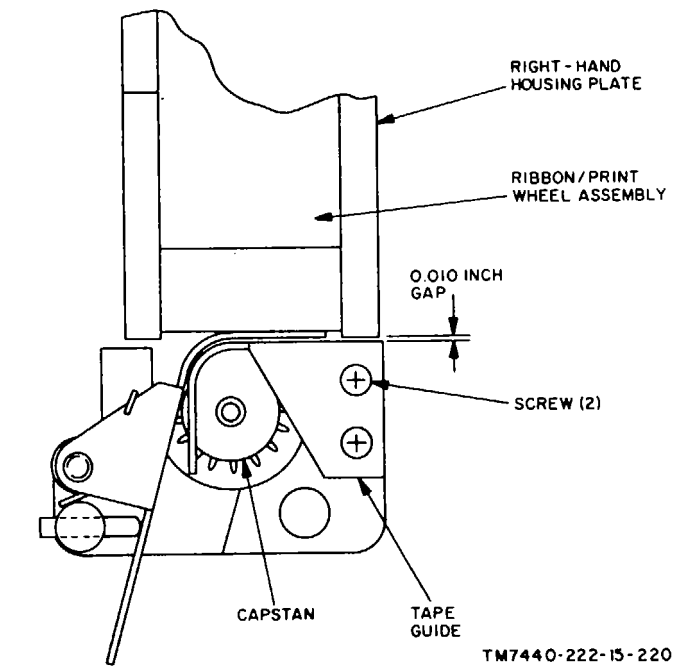


Figure 4-71. Tape guide gap requirement.

drive pulley until the clamping screw on the differential spider is easily accessible.

(3) Loosen the clamping screw, and rotate the capstan to meet the requirement.

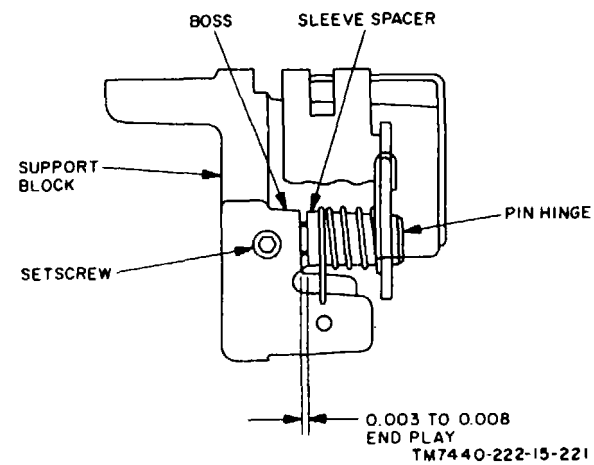


Figure 4-72. Sleeve spacer end play requirement.

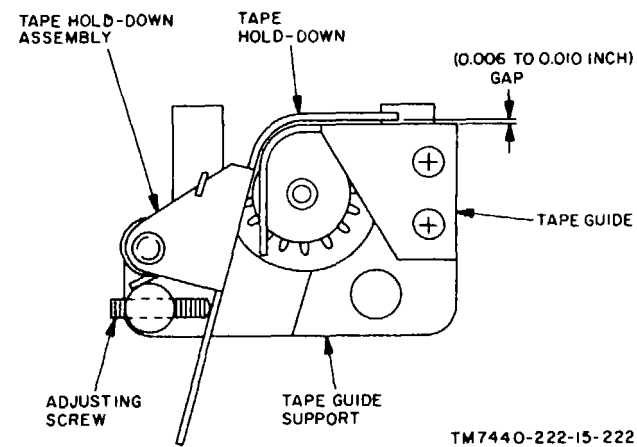


Figure 4-73. Tape holddown gap requirement.

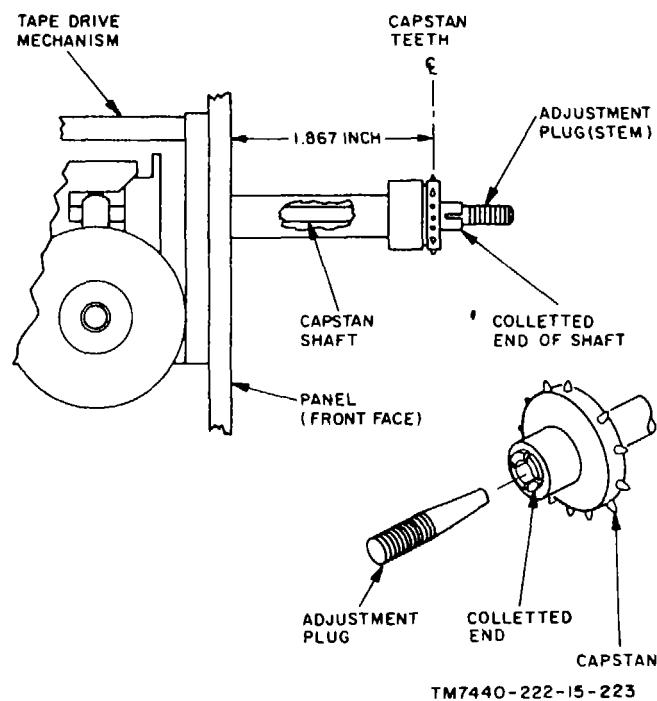


Figure 4-74. Capstan positioning requirement.

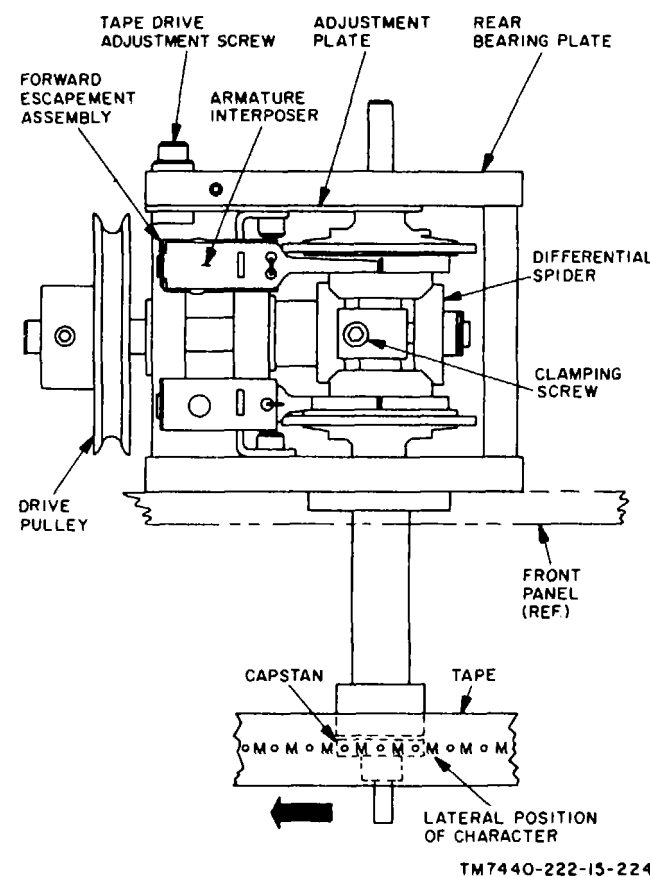


Figure 4-75. Coarse and fine adjustment of lateral position of character- on tape requirement.

(4) Tighten the clamping screw on the differential spider.

4-128. Fine Adjustment of Lateral Position of Character on Tape
(fig. 475)

a. Requirement. The position of the printed character should be centered between the sprocket holes on the tape.

b. Method of Checking. Feed a length of prepunched tape through the tape reader mechanism and thread the tape to the capstan on the tape drive mechanism. Operate the printer interpreter, and check to see that the printed characters are centered laterally between the sprocket holes on the tape. If necessary, repeat the adjustment procedure.

c. Adjustment. The fine adjustment is to be performed with the machine running (dynamic), and is as follows:

- (1) Loosen the tape drive adjustment screw on the rear bearing plate.
- (2) With the tape drive mechanism operating, slowly pivot the adjustment plate, up or down, to meet the requirement.

- (3) Tighten the tape drive adjustment screw.

Note.

Whenever the variable threshold receiver potentiometers are to be adjusted, perform the above adjustment first, then proceed to the tape reader position adjustment (para 4-133).

4-129. Armature Spring Tension Adjustment
(fig. 4-76)

a. Requirement. When the coil is deenergized, a spring tension (pull) of 112.5 to 137.5 grams (exerted 90° from the armature) is required to cause the armature to pivot and engage a ratchet on the friction clutch.

b. Adjustment.

- (1) With the armature in the picked position, connect a spring scale to the armature end of the spring.
- (2) Hold the adjusting screw with an Allen wrench and turn the stopnut on the adjusting screw to meet the requirement and achieve first motion.

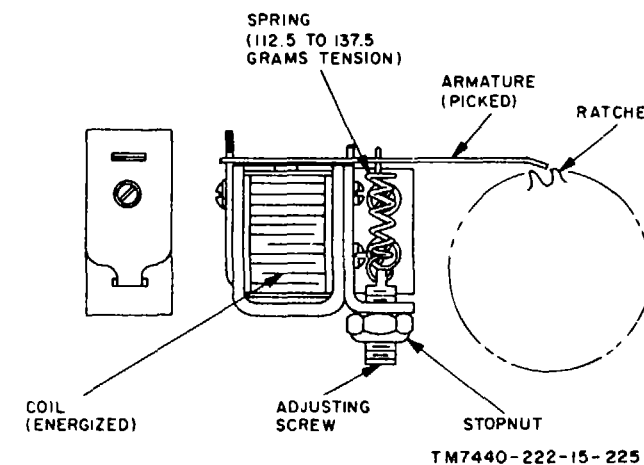


Figure 4-76. Armature spring tension requirement.

4-130. Armature Heel Gap Adjustment
(fig. 4-77)

a. Requirement. With the coil energized and the armature pivoted from the ratchet, the armature heel gap in the limit slot of the limit escapement plate should be 0.021 to 0.023 inch.

b. Adjustment.

- (1) Loosen the screw that secures the limit escapement plate to the coil frame.
- (2) Insert a 0.021 to 0.023 inch feeler gage into the armature heel gap, and adjust the limit escapement plate to meet the requirement.
- (3) Tighten the screw securing the limit escapement plate.

Note.

When tightening the screw, do not allow the coil frame to pivot on the escapement mounting bracket.

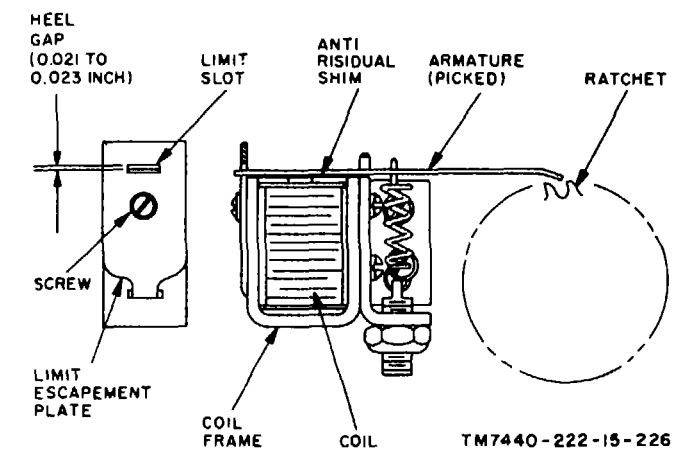


Figure 4-77. Armature heel gap requirement.

- (4) Recheck the armature spring tension requirement (para 4-129).

4-131. Armature Backup Gap Adjustment
(fig. 4-78)

a. Requirement. With the coil deenergized and the armature tip engaging the ratchet, the gap between the anti-residual shim and the armature rise point on the escapement mounting bracket should be 0.000 to 0.001 inch.

b. Adjustment.

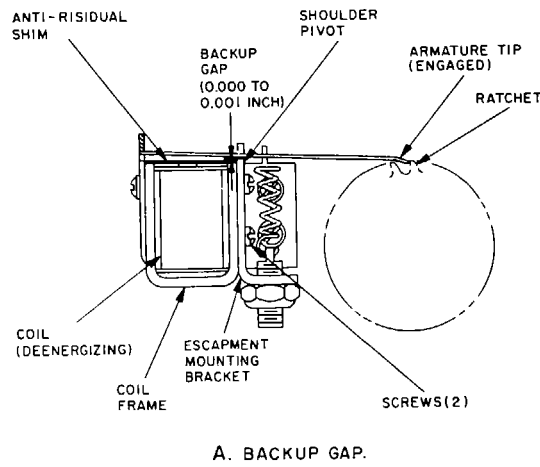
- (1) Loosen slightly the two screws that secure the coil frame to the escapement mounting bracket.
- (2) With the coil deenergized, insert a 0.001-inch feeler gage against the escapement mounting bracket between the shim and the armature, and adjust (slightly) the coil frame to meet the requirement.
- (3) Tighten the two screws securing the coil frame.
- (4) With the coil energized, recheck the armature spring tension requirement (para 4-129), and the armature heel gap requirement (para 4-130).

4-132. Armature Tip Clearance Adjustment
(fig. 4-78)

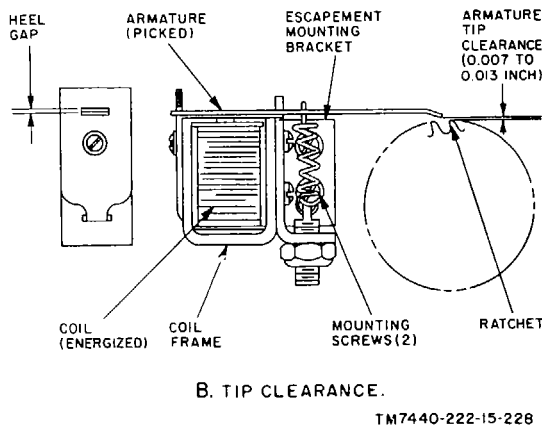
a. Requirement. With the coil energized end the armature picked, the clearance between the armature tip and the flat of the ratchet should be 0.007 to 0.013 inch.

b. Adjustment. Perform as follows:

- (1) Insert a 0.021-inch feeler gage into the armature heel gap in the limit slot.
- (2) Turn the friction clutch by rotating the drive pulley, until the flat of a ratchet rests under the armature tip.
- (3) Loosen slightly the two mounting screws that secure the escapement assembly.
- (4) Insert a 0.007- to 0.013-inch feeler gage between the armature tip and the flat of the ratchet, and rotate the escapement assembly to meet the requirement.



A. BACKUP GAP.



B. TIP CLEARANCE.

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Figure 4-78. Armature backup gap and tip clearance requirement.

Caution

Be careful to avoid distorting the coil frame or the escapement mounting bracket.

(5) Tighten the two mounting screws securing the escapement assembly.

(6) Recheck the armature spring tension requirement (4-129), the heel gap requirement (para 4-130), and the backup gap requirement (para 4-131).

4-133. Adjustment of Tape Reader Position

a. *Requirement.* When the paper tape is stopped, the tape data holes should be directly over the diodes, and the time from the center of each of the data signals to the trailing edge of the feed pulse should be 5.0 to 7.0 milliseconds.

Note.

Whenever the variable threshold receiver potentiometer are to be adjusted, check to make sure that the lateral position adjustment (para 4-127 and 4-128) have been completed prior to performing the tape reader position adjustment.

b. *Method of Checking* (fig. 4-80). Verify tape reader position as follows:

(1) Set up a dual trace oscilloscope for positive synchronization with a time sweep of 10 milliseconds.

(2) For feed pulse and positive synchronization output, connect the lead to test point terminal TP03 on the logic 4 card (B3).

(3) For data signal output, connect the lead to any data output terminal on the variable threshold receiver card. Use card extender assembly 5B (LG), (Analex Corp. No. 44190G2) so that the data output terminals are readily accessible.

(4) Feed a length of all-holes tape through the tape reader mechanism.

(5) Stop the tape, and compare the oscilloscope signal traces with the requirement in figure 4-80.

(6) Repeat the adjustment, if necessary, to meet the requirement.

c. *Adjustment.* (fig. 4-79). Adjust the tape reader position as follows:

(1) Lift the tape-out lifting lever.

(2) Loosen the tape reader assembly mounting screw.

(3) Turn the adjusting setscrew in the reader locating clamp and adjust the position of the tape reader to meet the requirement.

(4) Tighten the tape reader assembly mounting screw.

(5) Verify the adjustment as described in b above.

4-134. Guide Block Knob End Play Adjustment

(fig. 4-81)

a. *Requirement.* The end play between the knob sleeve and the adjustable guide block should be 0.002 to 0.006 inch.

b. *Adjustment.* Loosen the knob setscrew. Insert a feeler gage between the knob sleeve and the guide block and move the knob to meet the requirement. Tighten the knob setscrew.

4-135. Tape Reader Block Temperature Versus Voltage Adjustment (fig. 442)

Note.

This adjustment is required only on equipment that does not have the paper tape punch motor stop modification (MWO 11-7440-222-30/1) installed.

a. *Requirement.* The tape reader block temperature versus voltage should be as shown in figure 4-82.

b. *Method of Checking.*

(1) Attach a thermometer to the top of the reader upper mounting block directly over the diode assembly.

(2) Turn power on, and allow the tape reader to warm up for a minimum of 20 minutes, then take a temperature reading.

(3) Using a voltmeter, read the voltage at test point TP09 on the variable threshold receiver PC card A3B2.

c. *Adjustment.*

(1) Remove power from the unit. Pull out the variable threshold receiver PC card A3B2, attach the card to the card extender assembly 5B(LG), and reinsert

(2) Apply power to the unit and allow to warm up.

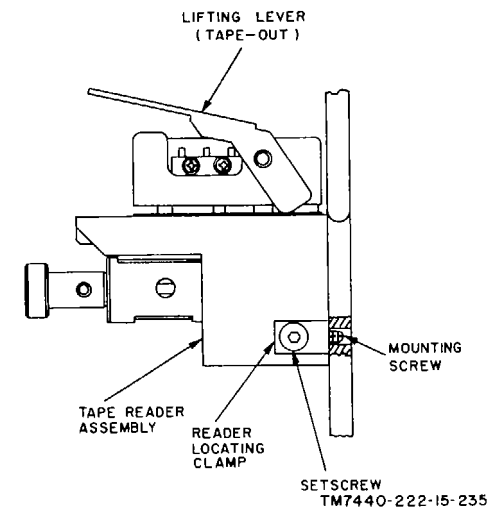


Figure 4-79. Tape reader position adjustment detail.

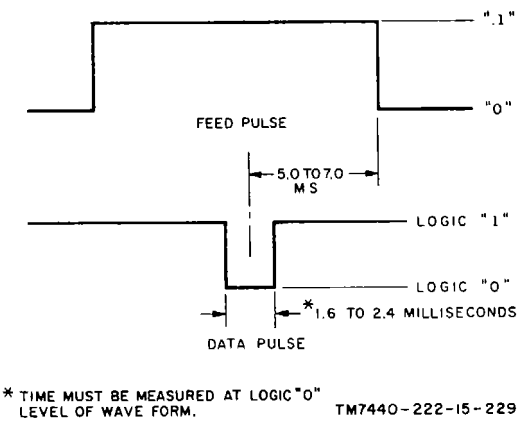


Figure 4-80. Tape reader pulse position requirement

(3) Connect a voltmeter to test point TP09 on the receiver card and adjust potentiometer R21 until the meter indicates the desired voltage as shown on figure 4-82.

4-135.1 Variable Threshold Receiver Potentiometer Adjustment (fig. 4-80)

a. *Requirement.* The data pulse width (time) for each of the seven data signals should be 1.6 to 2.4 milliseconds.

Note.

Before attempting to adjust the receiver potentiometers, check to make sure that the lateral position adjustment procedure (paras 4-126 and 4-127), the tape reader position adjustment procedure (para 4-133), and the printer interpreter power supply (PS2) output voltage procedures (par 4-142), have been completed in that order. In addition, on equipment that had not had lamp assemblies replaced with light emitting diode assemblies (MWO 11-7440-222-30/1), perform the tape reader block temperature versus voltage adjustment procedure (para 4-135).

b. *Method of Checking.* Using the oscilloscope, check to see that the data pulse width requirement has been obtained for each data output channel (TP01-R01 through

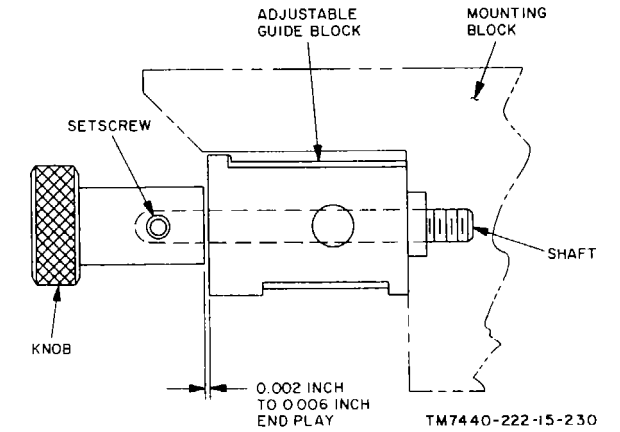


Figure 4-81. Guide block knob end play requirement.

TP07-R07 on PC card A3B2). Use procedures outlined in paragraph 133b for connecting oscilloscope and operation of the paper tape punch.

c. *Adjustment.*

(1) Remove power from the unit. Pull out the variable threshold receiver PC card A3B2, attach the card to the card extender assembly 5B(LG), and reinsert.

(2) Apply power to the unit and allow to warm up.

(3) Feed a length of all-holes one-inch wide paper tape through the reader mechanism in the ASCII mode.

(4) With the oscilloscope connected to the appropriate data output terminal (TP01 through TP07) of the variable threshold receiver PC card A3B2 and positive synchronization at test point TP03 of logic 4 PC card A3B3, adjust the receiver potentiometers R01 through R07 on PC card A3B2 to meet the requirement.

(5) Repeat (3) and (4) above as a final check and apply a small amount of Glyptol to the adjusting screw on potentiometers R01 through R08 to prevent accidental change of setting.

4-136. Adjustment of Tape Reader Microswitch

(fig. 4-83)

a. *Requirement.* When the paper tape is in the tape reader mechanism and the lever in place, the microswitch should be closed; and when there is no tape, the microswitch should be open.

b. *Adjustment.*

(1) Lift the lever, remove the tape and replace it with a 0.003-inch shim covering the hole in the tape guide block.

(2) Loosen the left mounting screw of the microswitch and adjust the switch body so that the no-tape sensor plunger actuates the switch.

(3) Tighten the mounting screw.

(4) Remove the shim, then lower the lever and check that the no-tape sensor plunger falls into the hole in the tape guide block and causes the switch to open.

(5) Reinsert paper tape with the no-tape sensor plunger resting on the tape.

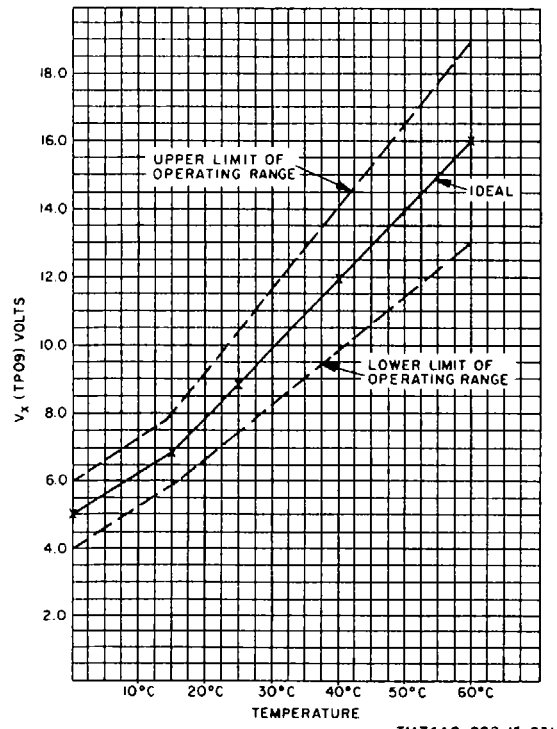


Figure 4-82. Variable threshold receiver potentiometer requirement, Vx versus temperature.

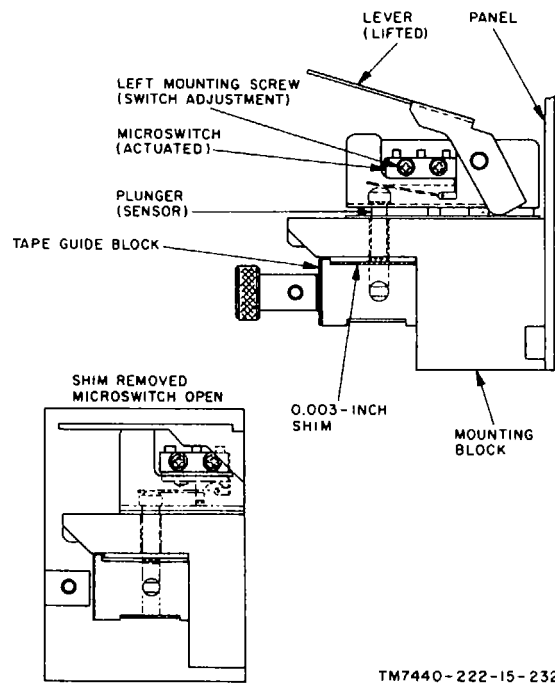


Figure 4-83. Tape reader microswitch position requirements.

4-137. Coarse Penetration Adjustment of Hammer Module Assembly (fig. 4-84)

- a. *Requirement.* The printed character should be of proper density (approximate) without smudging or blurring.
- b. *Adjustment.* Loosen the clamp setscrew. Turn the coarse penetration adjusting screw and adjust the hammer module assembly up or down to meet the requirement. Tighten the clamp setscrew.

4-138. Flight Time and Fine Penetration Adjustment of Hammer Module Assemble (fig. 4-84)

- a. *Requirement.* The entire character should be printed on the tape at the proper density without smudging or blurring. Examples of unacceptable printing are shown in figure 4-85.
- b. *Method of Checking.* Feed a length of tape, pre-punched entirely with the letter M code, through the tap reader mechanism and thread the tape to the capstan on the tape drive mechanism. Start the printer interpreter so that the letter M is printed between the sprocket holes on the tape. Compare the printed tape with figure 4-85 to determine the misalignment, if any, and the required adjustment.

c. *Adjustment.* The misalignments shown in figure 4-85 are corrected by performing the following adjustments:

(1) Misalignment A and B (fig. 4-85). Misalignment A occurs when the hammer prints too heavy because of excessive penetration. Misalignment B is caused by the opposite condition. Correct as follows:

(a) If necessary, perform the coarse penetration adjustment as described in paragraph 4-137. Run more tape, and check to determine if fine penetration adjustment is required ((b) below).

(b) Adjust the flight time and fine penetration adjusting screw for a hammer travel that meets the requirement.

(c) Check to determine if the misalignment has been corrected. Repeat the adjustment procedure if necessary.

(2) Misalignment C and D (fig. 4-85). Misalignment C occurs when the flight time of the hammer is too short. Misalignment D is caused by the opposite condition. Correct as follows:

(a) Loosen the lockpin, and turn the flight time and fine penetration adjustment screw for a hammer flight time that meets the requirement.

(b) Check to determine if the misalignment has been corrected. Repeat the adjustment procedure if necessary.

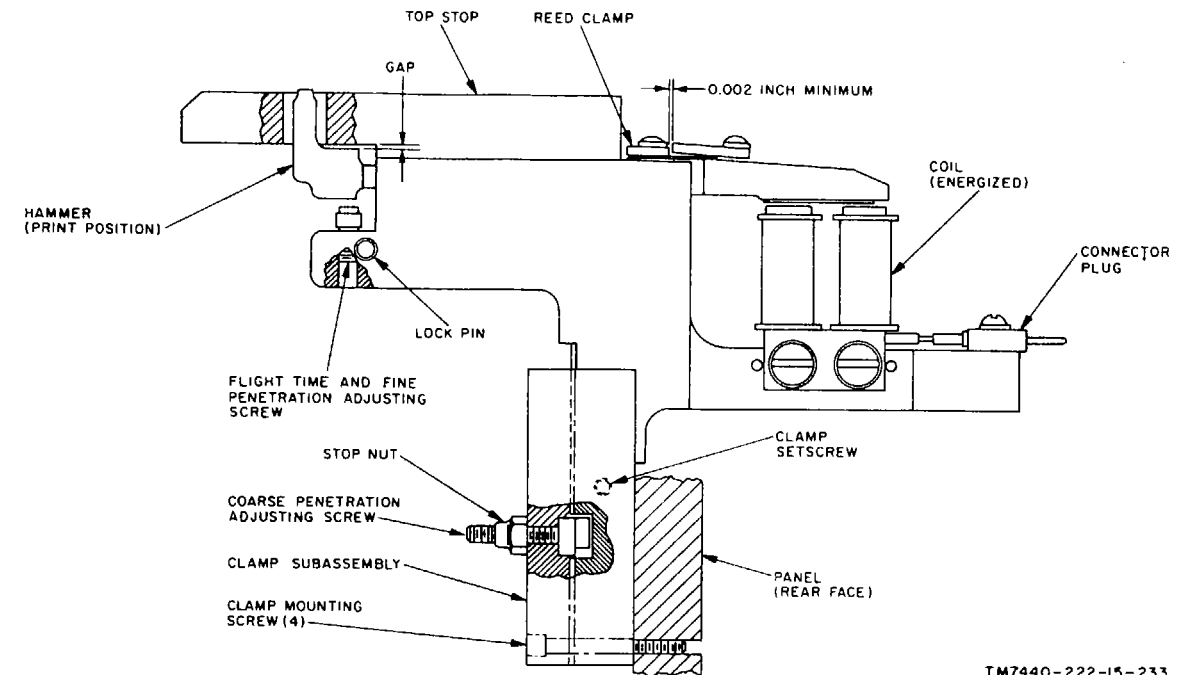


Figure 4-84. Coarse and fine penetration requirements of hammer module assembly.

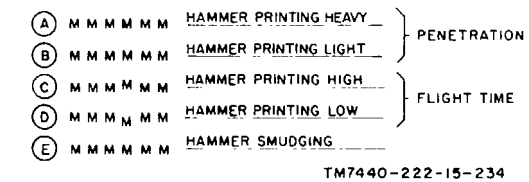


Figure 4-85. Examples of hammer misalignment.

(3) Misalignment E; (fig. 4-85). Misalignment E occurs when the face of the hammer vibrates against the print drum or remains too long (excessive dwell time) in the strike position. Excessive dwell time is indicated by a low character as well as smudging. correct as follows:

- (a) Remove tape from hammer module assembly.
- (b) Remove the hammer module assembly as described in paragraph 4-94.
- (c) Examine the hammer module for accumulated dirt or a broken reed. If the hammer is damaged, replace the hammer module assembly as described in paragraph 4-94.
- (d) If the hammer is clean and is not damaged, perform the adjustment for misalignment A given in (1) above.
- (e) If cleaning or adjustment does not correct the smudging, replace the hammer module assembly as described in paragraph 4-94.

4-139. Adjustment of Power Supply Output Voltages (fig. 4-17)

a. *Requirement.* The adjustment of the power supply output voltages is an electrical adjustment which is made by means of four potentiometers to produce the specified dc output voltages at specific test points within the power supply. These instruments are made with the power supply connected into the low speed paper tape punch and power on.

b. *Method of Checking.* Connect a digital voltmeter, Digital 251-1, or equivalent, to the following test points at the front panel of the power supply. The dc voltages measured should fall within the tolerances specified.

Voltmeter connections	Dc voltage
+4.75 and COM.....	+4.75±0.05
-12V and COM.....	-12.00±0.06
+12V and COM.....	+ 12.00±0.06
-48V and COM.....	-48.00 ±0.24

c. *Adjustment.* If any of the voltages specified in 6 above are out of tolerance the corresponding potentiometer should be adjusted to bring the voltage into tolerance. The potentiometers are listed as follows:

Potentiometer
to be adjusted

DC voltage monitored.....(fig. 4-17)	
+4.75	R24 card A1.
+12	R17 card A2.
-12	R32 card A2.
-48	R18 card A3.

4-140. Adjustment of Power Supply Regulated Supply (fig. 4-17)

a. *Requirement.* After the power supply output voltage adjustments are performed, the performance of the regulated supply located on card A12 in the power supply should be checked.

b. *Method of Checking.* Connect a digital voltmeter, Digitec 251-1, or equivalent, between test points TP11 (+) and TP13 (common) located on card A12 in the power supply (fig. 4-17). The test points are clearly labeled on the card. The power supply should be operating in the normal manner in the card reader, with normal system power turned on. The voltage measured should be +15.0 ±0.1 volts dc.

c. *Adjustment.* If the voltage from test point TP11 to TP13 is not within tolerance, adjust potentiometer R73 on card A12 (fig. 4-17).

4-141. Adjustment of Power Supply Overvoltage Limit (fig. 4-17)

a. *Requirement.* After the +4.75 output voltage has been checked and adjusted (paragraph 4-139), the overvoltage limit circuit for the +4.75-volt output should be checked to make certain that the trip point of 5.5 volts dc is not exceeded.

CAUTION

When taking voltage measurements on power supply PS1 sequence module A12, use insulated test connectors to avoid possible short circuits between test points and copper runs.

b. *Method of Checking.*

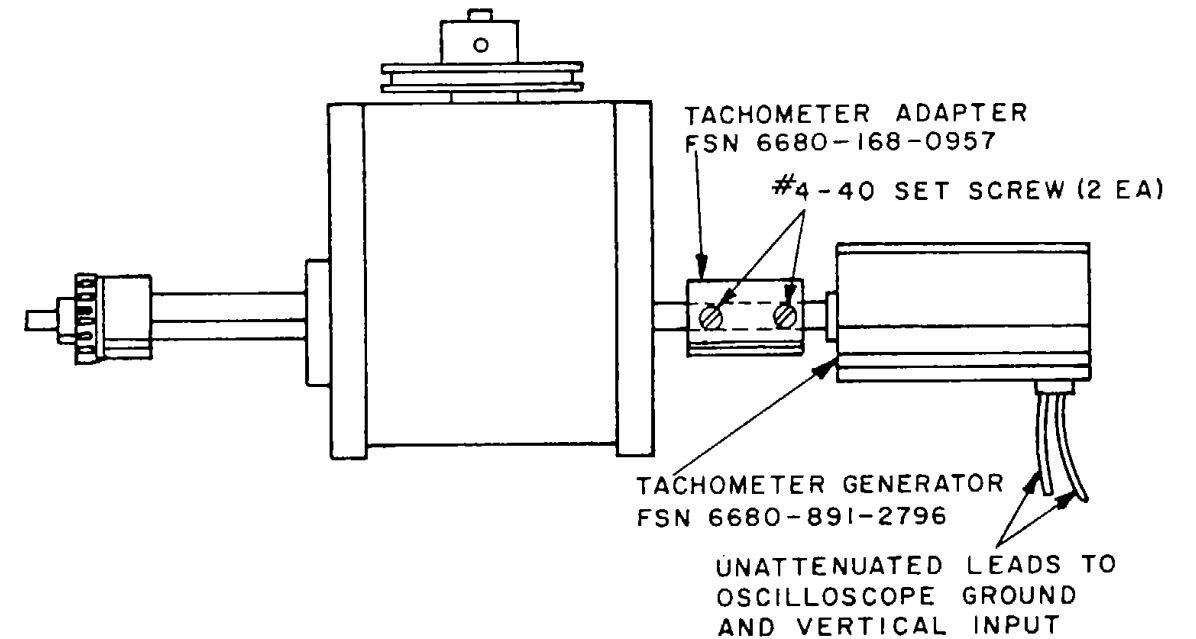
- (1) Disconnect wire connection from PS1TB2, pin 2.
- (2) Connect a digital voltmeter, Digitec 251-1, or equivalent, to the test point labeled 4.75 (+) on the power supply front panel and the COM test point.
- (3) Slowly adjust potentiometer PS1A1R24 to obtain an increase in the +4.75 volt output, while observing the digital voltmeter. Continue to increase the voltage while observing the voltmeter until the meter indication suddenly drops to zero volts. The maximum voltmeter indication (which occurs immediately before the voltage drops to zero) is termed the "trip point" and should be 5.40 volts dc (±0.05). If the trip point voltage is out of tolerance, adjust potentiometer PS1A1R30. Repeat the check and adjustment until the trip point is within the specified tolerance.
- (4) Adjust PS1A1R24 to meet the requirements of paragraph 4-139.
- (5) Disconnect the digital voltmeter.
- (6) Reconnect the wire connection to PS1TB2, pin 2.

4-142. Feed Duration Check (Low Speed Printer Interpreter)

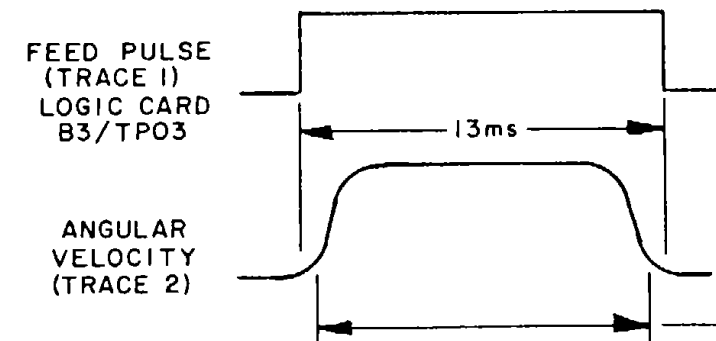
(fig. 4-86)

a. *Requirement.* The angular velocity of the tape drive mechanism output shaft must be such that the Feed Duration, trace 2, is less than the Feed Pulse, trace 1.

b. *Method of Checking.* Assemble tachometer adapter FSN 6680-168-0957 to the output shaft of the tape drive mechanism (fig. 4-86). Connect tachometer generator FSN 6680-891-2796 to the adapter and the leads of the tachometer to the oscilloscope (tachometer terminal 1 to oscilloscope trace 2; tachometer terminal 2 to oscilloscope ground). Connect trace 1 of the oscilloscope to test point 03 of logic card B3. The wave forms must be approximately as shown in B, figure 4-86. If the wave form (trace 2) is greater than shown, recheck the adjustment procedures described in paragraphs 4-110 through 4-121, 4-123 through 4-125, 4-133, and 4-136.



A. TEST SETUP



B. WAVEFORMS

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Figure 4-86. Feed duration check detail.

4-143. Adjustment of Printer Interpreter Power Supply (PS2) Output Voltages (fig. 4-18)

a. *Requirement.* The adjustment of the printer interpreter power supply (PS2) output voltages is an electrical adjustment by means of four potentiometers to produce the specified dc output voltages at output terminal board PS2TR1. These adjustments are made with the power supply connected into the low speed printer interpreter and power on.

b. *Method of Checking.* Connect a digital voltmeter, Digitec 251-1, or equivalent, to the following terminals on terminal board PS2TB1 located on the rear side of the power supply chassis. The dc voltages measured should fall within the tolerance specified.

Voltmeter connections Dc voltage

PS2TB1-5 to PS2TB1-4	-4.75 ±0.12 ^a
PS2TB1-5 to PS2TB1-4	-5-3 ±0.11 ^b
PS2TB1-5 to PS2TB1-2	-6.0 ±0.18
PS2TB1-1 to PS2TB1-5	+6.0 ±0.18
PS2TB1-5 to PS2TB1-3	-18.0 ±2 0.54

^a Voltage measurement for equipment without motor stop assembly.

^b Voltage measurement for equipment modified by MWO 11-7440-222-30/1.

c. *Adjustment.* If any of the voltages specified in b above are out of tolerance, the corresponding potentiometer should be adjusted to bring the voltage into tolerance. The potentiometers are listed as follows:

<u>Dc voltage</u> <u>monitored</u>	<u>Potentiometer</u> <u>to be adjusted</u> (fig. 4-18)	
-4.75 (or -5.3)	R58 card 190-3591-4 (41-000004-1 or 12-890143-001)	
-6.0	R20 card 190-3591-2	← (or 12-890142-002)
+6.0	R10 card 190-3591-1	← (or 12-890141-002)
-18.0	R32 card 190-3591-3	← (or 12-890140-002)

After adjusting voltage, apply a small amount of varnish, clear staking, Glyptol No. 1153 to the adjusting screw of the potentiometer(s) to prevent accidental change of setting.

4-144. Adjustment of Motor Stop Control Clock Circuit.

CAUTION:

Operation of the low speed paper tape punch with improper frequency adjustment for the motor stop control clock can result in error conditions and possible failure of the punch mechanism clutch banks.

a. *Requirement.* The time duration between successive negative steps of the 1.2/1.8MS CLK signal on the motor stop assembly PC card A5A1 must be between 1.7 and 1.9 milliseconds for the low speed paper tape punch.

b. *Method of Checking.* With power applied to the low speed paper tape punch, use an oscilloscope to observe the waveshape at terminal 17 of the motor stop assembly PC card A5A1. Measure the time between negative slopes of successive pulses.

c. *Adjustment.* Change duration of the output pulse by removing and replacing resistor R18 on PC card A5A1(fig. 5-37). Use MIL T RC07, 1/4-watt, 5% tolerance resistors with selected values between 18K and 27K ohms to obtain output pulses meeting the requirement. As a guide in selecting resistance value, reducing the value of the resistor by 1000-ohms will shorten the duration of the output pulse by approximately 0.1 millisecond. Standard resistance values within the selection range are 18K, 20K, 22K, 24K, and 27K ohms.

CHAPTER 5

PRINTED CIRCUIT CARD MAINTENANCE

Section I. GENERAL

5-1. Scope of PC Card Maintenance

a. This chapter includes instructions for performing corrective maintenance procedures on PC cards. Procedures for isolation of a malfunction to a PC card of the low speed paper tape punch are described in chapter 4. The instructions in this chapter are used to isolate the malfunction to a defective part of the PC card, and to replace the defective part.

b. PC card maintenance includes

- (1) Testing the suspected PC card (para 5-3).
- (2) Troubleshooting techniques (para 5-4 through 5-7).
- (3) Replacement of defective parts (para 5-8).

5-2. Tools and Test Equipment Required

Refer to the Maintenance Allocation chart (app. C) for a list, of the tools and test equipment required for maintenance of the low - speed paper tape punch printed circuit cards.

Section II. TESTING AND TROUBLESHOOTING

5-3. Testing Procedure.

If a PC card is suspected to be defective, install it in a low speed paper tape punch that is known to be otherwise operable. Operate the low speed paper tape punch with all associated keyboard and CCU. Originate messages containing all possible characters (fig. 3-2). If all the characters are properly punched and drilled, and the tape advances correctly, the PC card being checked is considered without defect. If at malfunction) occurs, refer to the troubleshooting instructions (paras 5-4 through 5-7).

5-4. Troubleshooting Techniques

The first step in servicing a defective PC card is to perform a visual inspection (para 5-5). If the defect is not evident upon visual inspection, use signal tracing (para 5-6) and signal substitution techniques (para 5-7), as required, to locate the fault.

5-5. Visual Inspection

Carefully inspect the PC card for evidence of overheating. Check for corrosion, loose connectors, and shorted or open circuitry.

5-6. Signal Tracing

a. Place the PC card on an extender board and, with power off, install it in an otherwise operable low speed paler tape punch. Operate the low speed paper tape punch to simulate the condition under which the malfunction was observed. Then use standard signal tracing techniques to isolate the defective part. A thorough knowledge of the operation of the low speed paper tape punch circuits (ch. 3) is required to effectively use signal tracing technique.

b. The voltages and waveforms at most test points may be observed with the oscilloscope. In general, signals at input and outputs of integrated circuit logic element modules switch between +4.5 volts dc (high) and 0 volt, dc (low). The technician should determine whether the voltage at a specific terminal is high or low at any time by studying the operating conditions at that time. For voltages at inputs and outputs of discrete component logic circuits, refer to paragraphs 3-83 and 3-93.

c. For the location of parts on PC cards, refer to paragraph 5-9. For the location of terminals on integrated circuit logic elements and on microcircuit interface and lamp driver modules, see figures 5-1 through 5-1.

d. The low speed paper tape punch can be operated to punch and print one column at a time using a keyboard. If the PC card being checked contains circuits which process the character data bits, repetitive waveforms for signal tracing can be obtained by continually generating the same character from the keyboard. If the PC card being checked contains circuits

which involve tape motion, the PC card can he checked by using the FEED OUT switch on the control panel. Pressing the FEED OUT switch should continuous tape feeding as long as the switch is pressed.

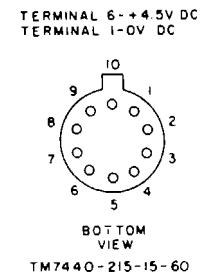


Figure 5-1. Location of terminals on integrated circuit modules.

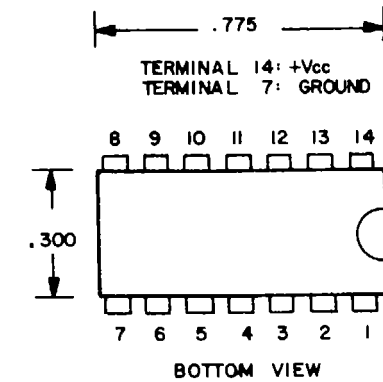
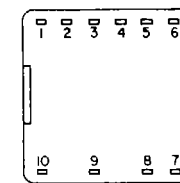


Figure 5-1.3. Location of terminals on dual in-line integrated circuit modules.

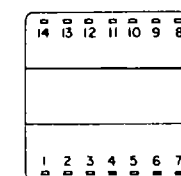
TERMINAL	FUNCTION	TERMINAL	FUNCTION
1	OUTPUT 1	6	INPUT 3
2	INPUT 1	7	+12 VOLTS DC
3	OUTPUT 2	8	-12 VOLTS DC
4	INPUT 2	9	LAMP TEST
5	OUTPUT 3	10	GROUND



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Figure 5-1.1. Location of terminals on microcircuit lamp driver modules.

POWER INPUT	TERMINAL			
	T00023	T00024	T00121	T00122
+12 VOLTS DC	13	12	11	12
-12 VOLTS DC	1	6	1	14
+4.5 VOLTS DC	-	10	7	-
GROUND	7	4	5	4



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Figure 5-1.2. Location of terminals on microcircuit interface modules.

5-7. Signal Substitution

In some cases, the effort of isolating a malfunction within t complex logic circuit can be simplified by using signal substitution techniques. Specifically, in point or points at the input to a logic element may be grounded, thereby making the operation of the logic elements easily predictable. This method cannot normally be used to insert a high level (+4.5 volts) -without physically disconnecting the signal input from the logic element. Therefore, it is not recommended to use signal substitution for high level inputs.

Section III. REPAIR

5-8. General Parts Replacement Techniques

Most of the parts on a PC card can be replaced easily without special procedures. For PC card soldering techniques, refer to TB SIG 222 (Army), TO 00-25-234 (Air Force), or NW 00-15PA (Navy) (app. A). When replacing integrated circuit logic elements, it is important to unsolder only one terminal at a time, using a solder syringe to remove the solder before unsoldering the next terminal.

5-9. Parts Location

The locations of all replaceable parts on the PC cards of the low speed paper tape punch are shown in figures 5-2 through 5-35.

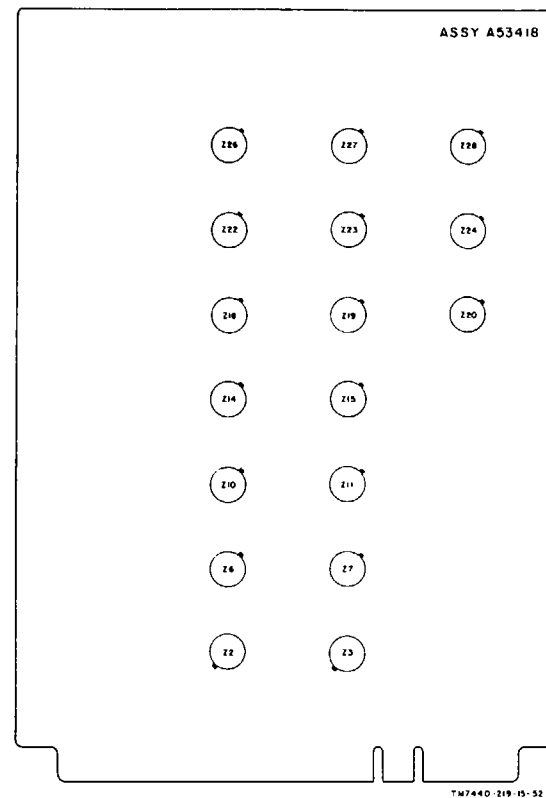


Figure 5-2. PC card No. A53A418 (A1A14), component location diagram.

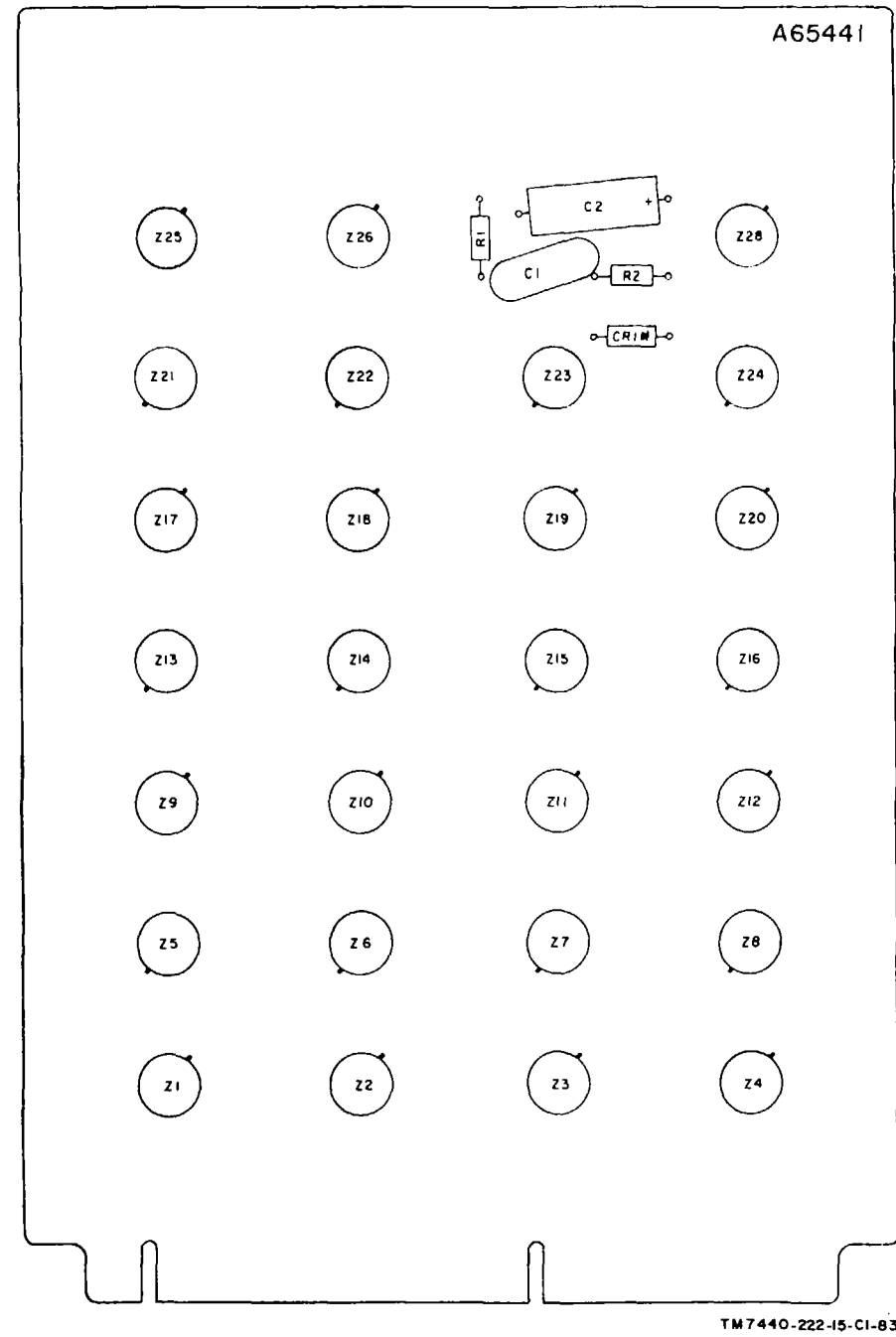


Figure 5-3. PC card NO A65441 (A1A13), component location diagram.

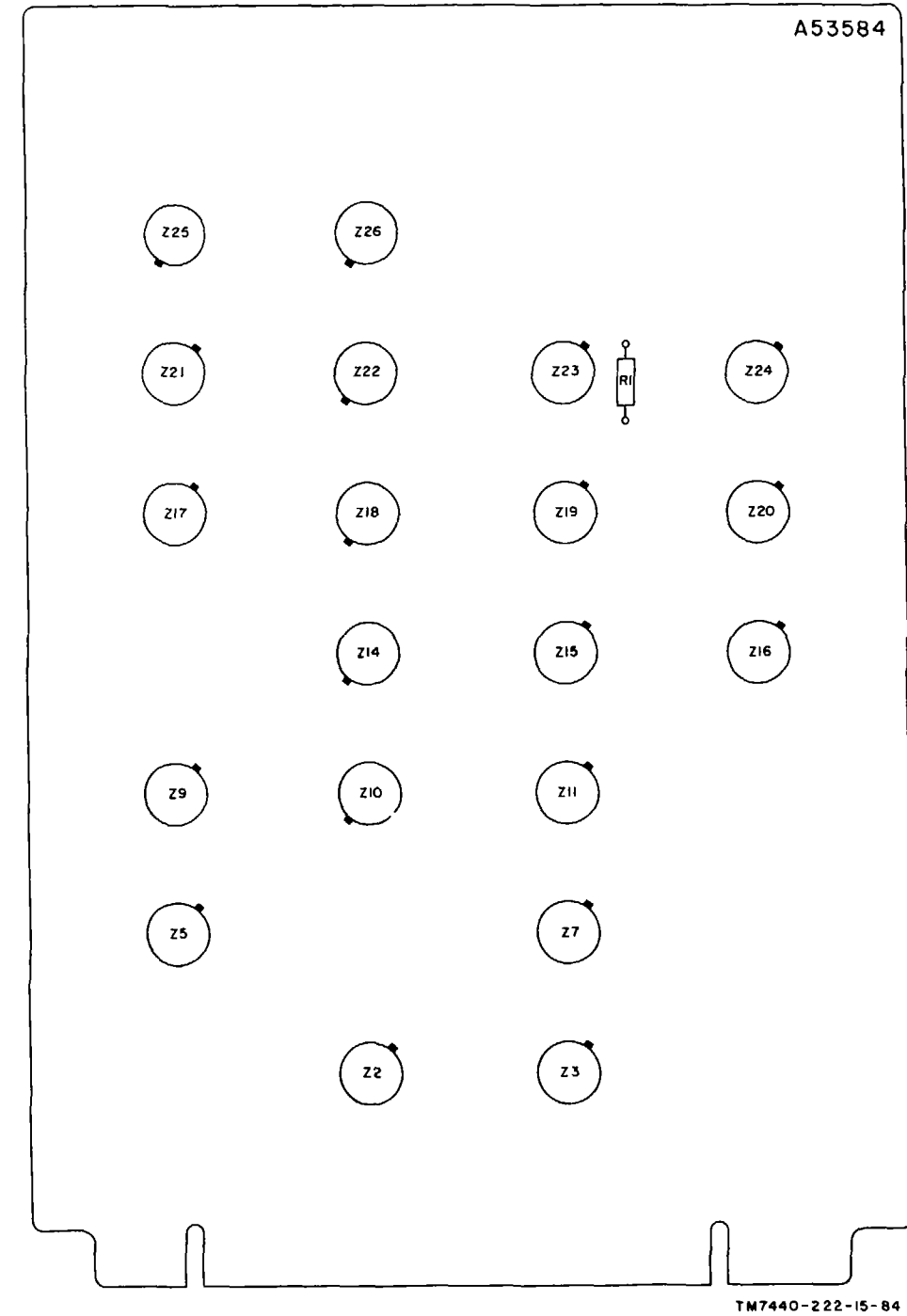


Figure 5-4. PC card No. A53584 (A1A12), component location diagram.

Change 4 5-2.1/(5-2.2 blank)

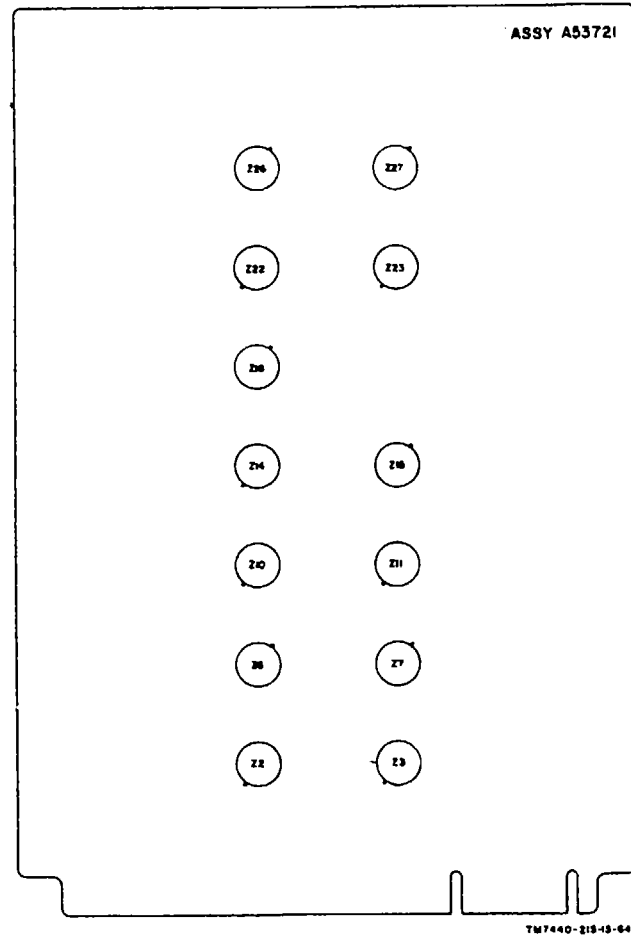


Figure 5-5. PC card No. A53721 (A1A16, A1A18), component location diagram.

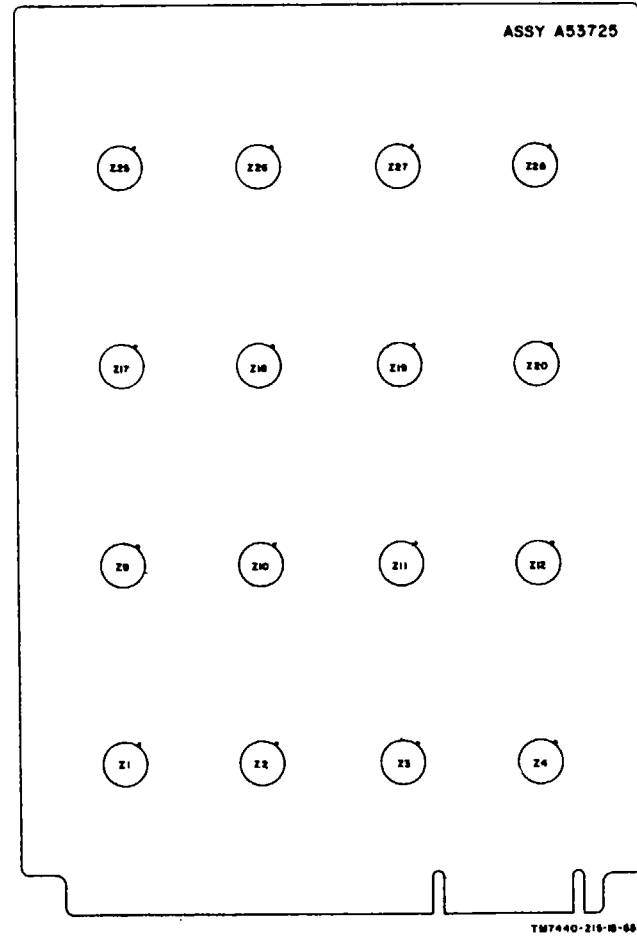


Figure 5-6. PC card No. A53725 (A1A15, A1A17), component location diagram.

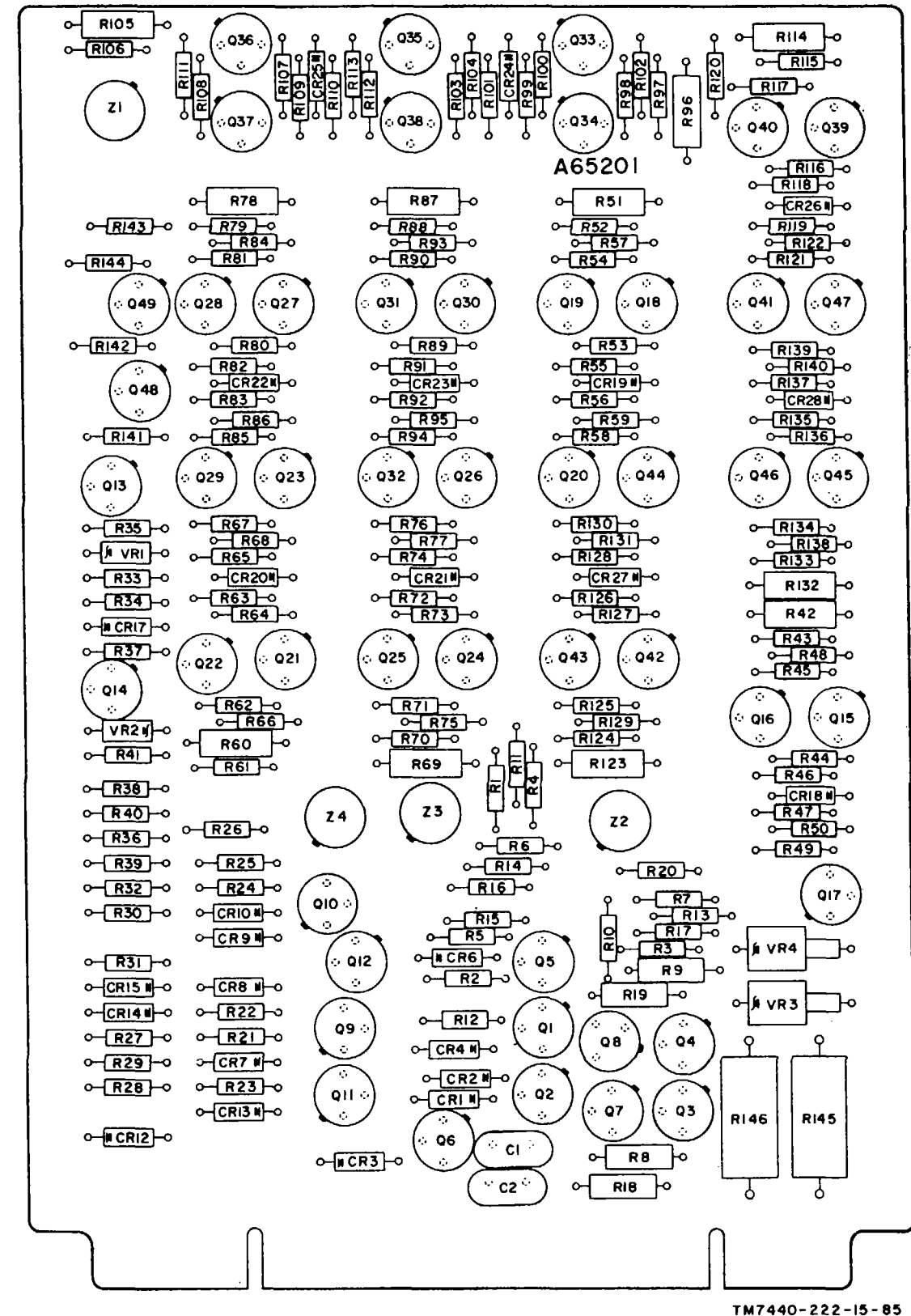
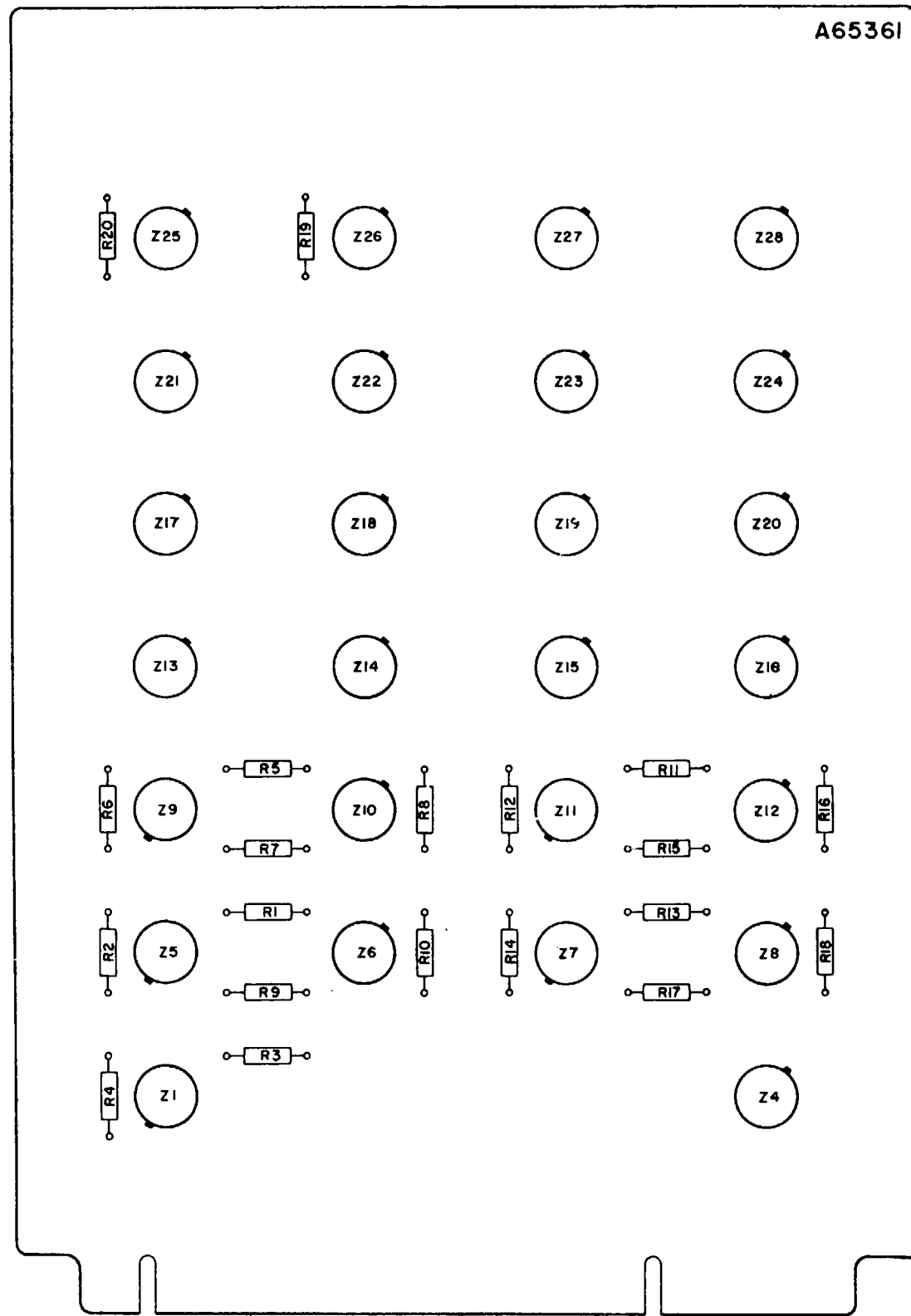
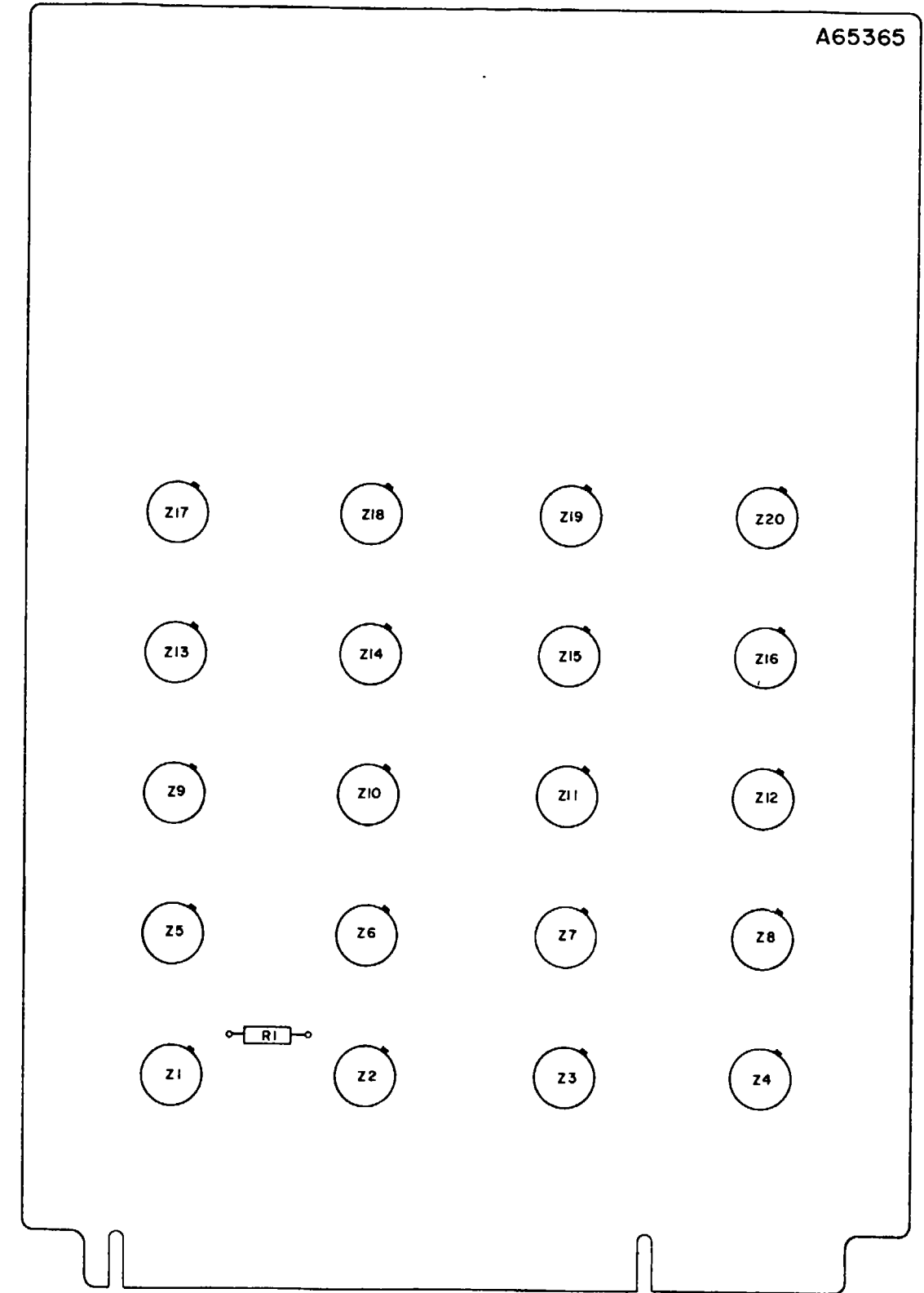


Figure 5-7. PC card No. A65201 (A1A1, A1A2), component location diagram.



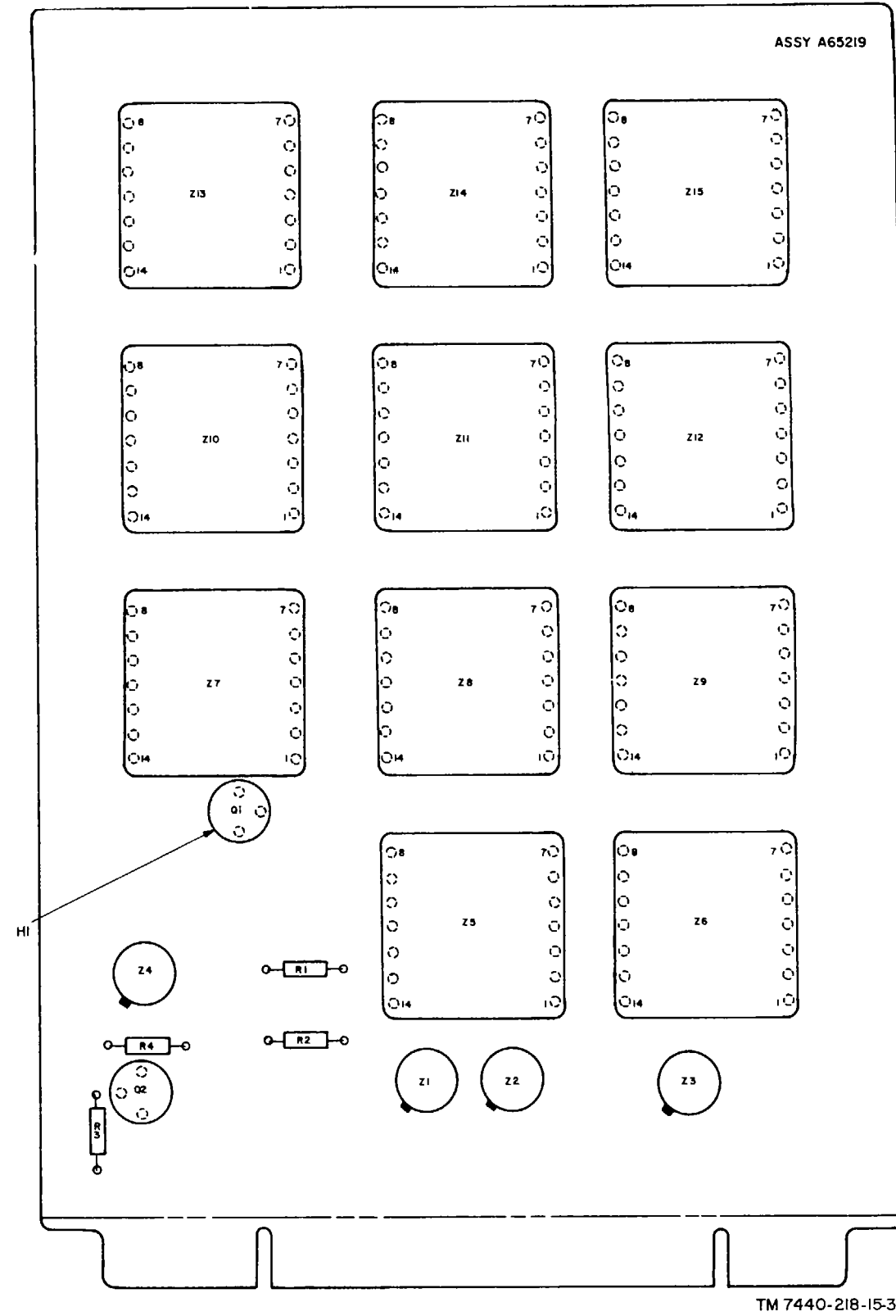
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Figure 5-8. PC card No. A65361 (A1A5), component location diagram.



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Figure 5-9. PC card No. A65365 (A1A6), component location diagram.



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Figure 5-8.1. PC card No. A65219 (A1A1, A1A2), component location diagram.

Change 4 5-4.1/(5-4.2 blank)

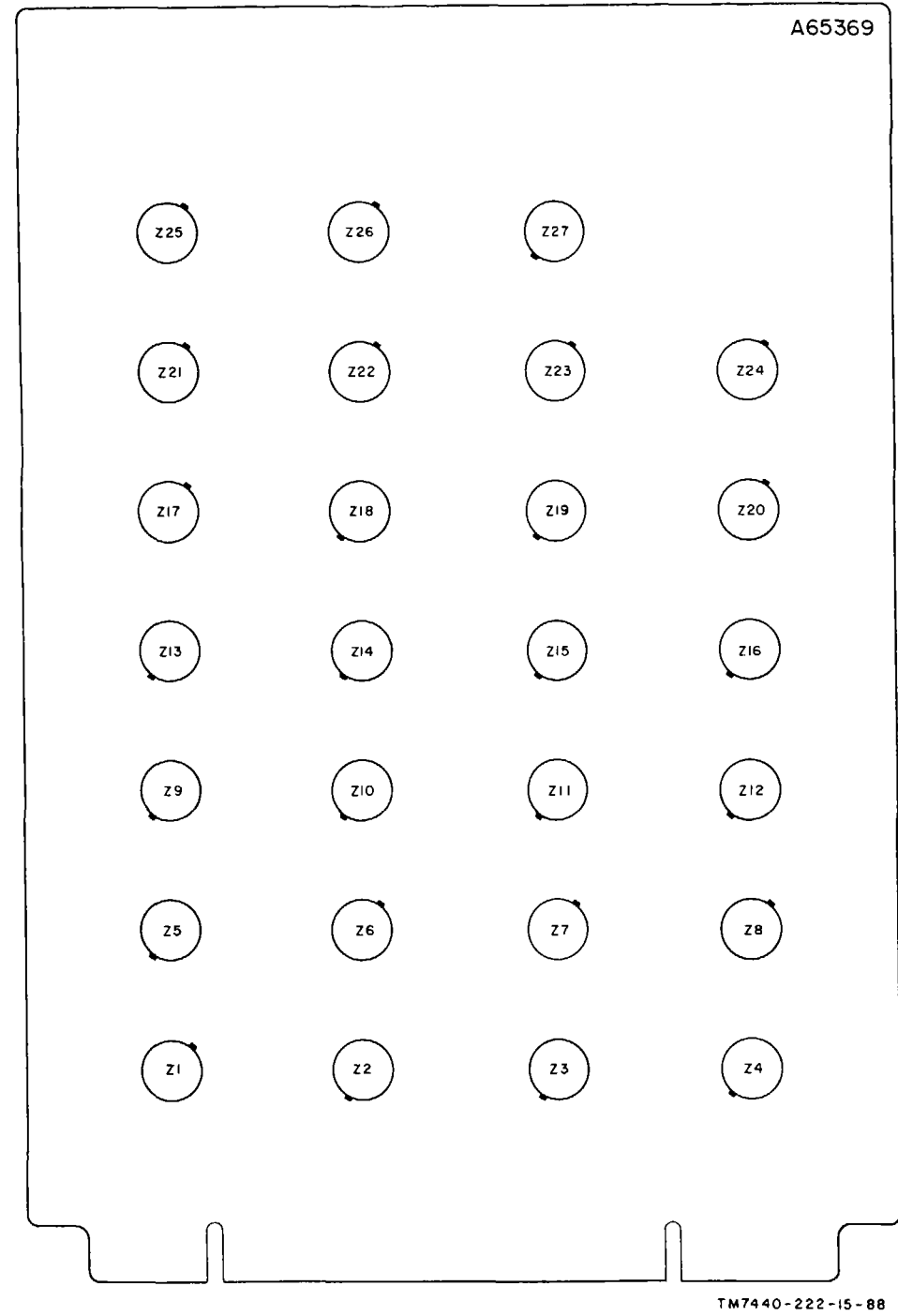


Figure 5-10. PC card No. A65369 (A1A7), component location diagram.

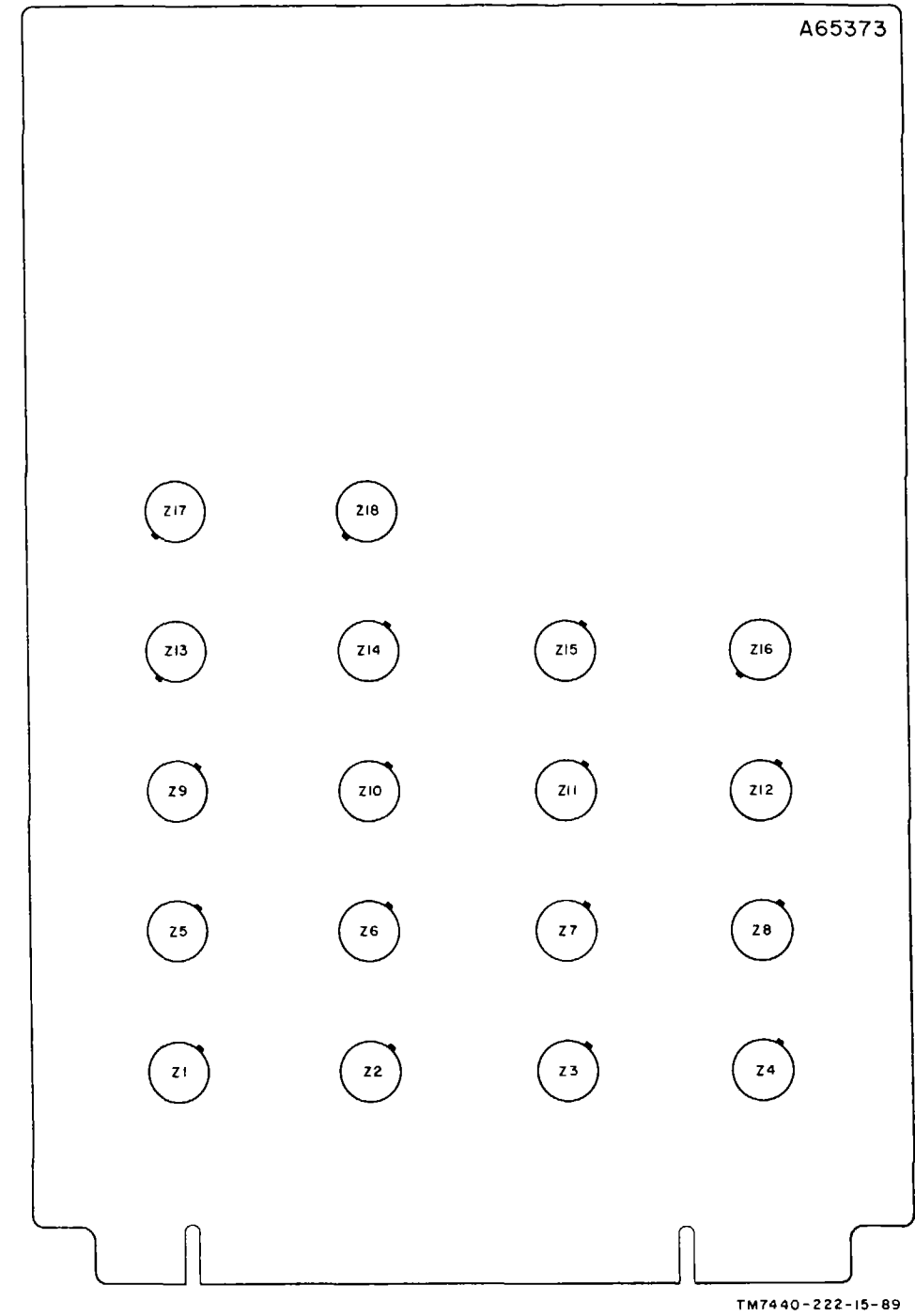


Figure 5-11. PC card No. A65373 (A1A19), component location diagram.

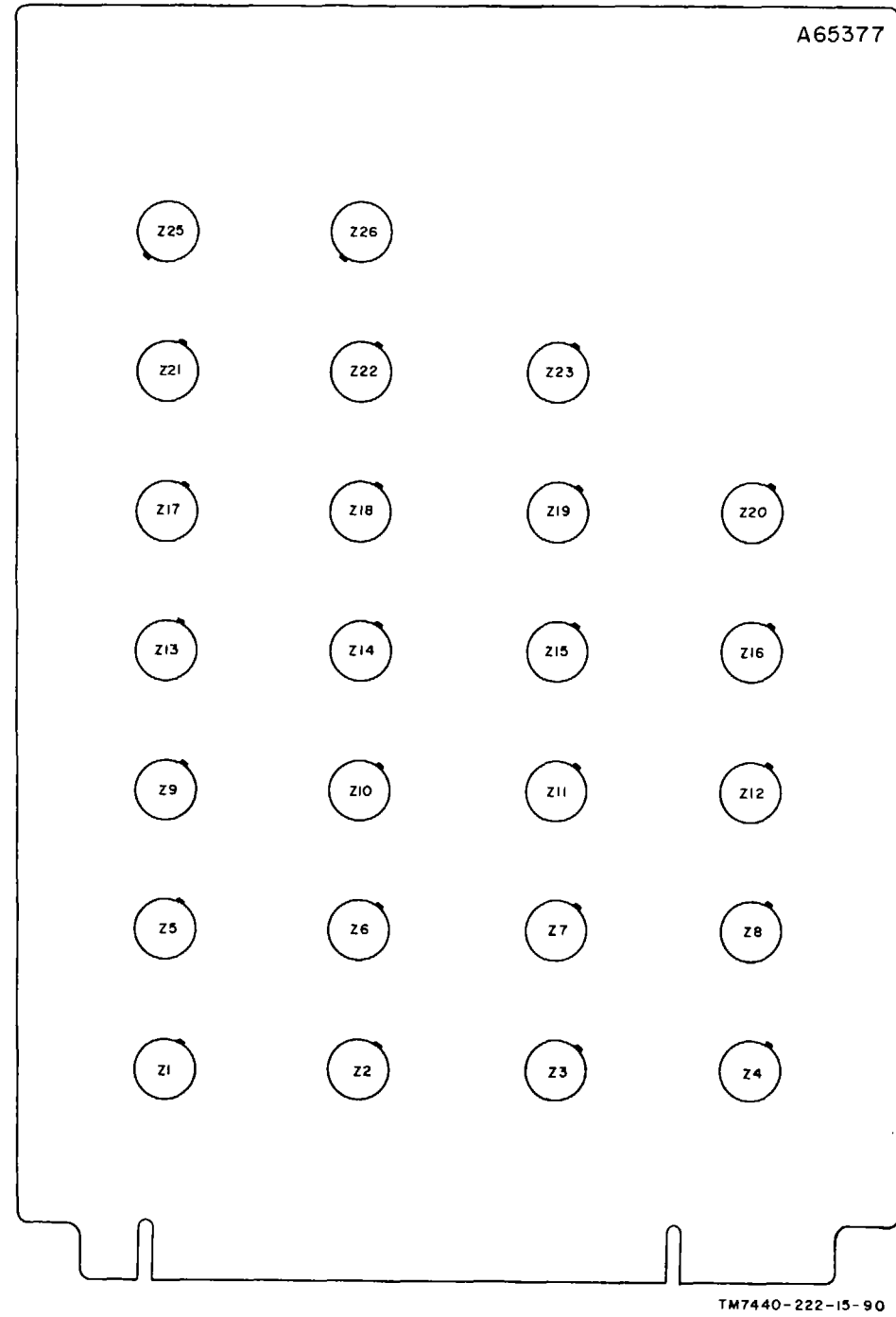
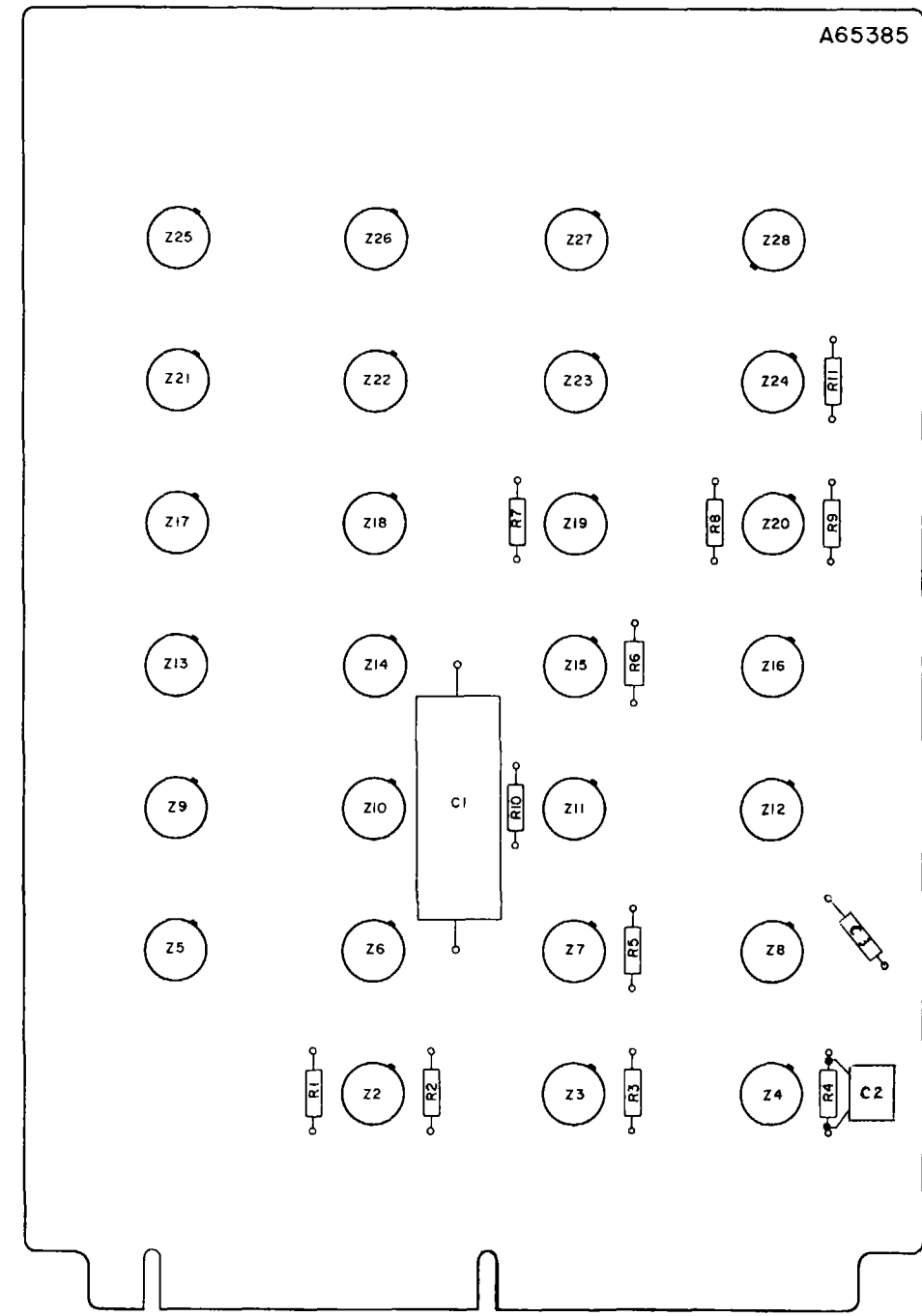


Figure 5-12. PC card No. A65377 (A1A9), component location diagram.



NOTE: C2 and C3 added by MWO 11-7440-222-30/1.

Figure 5-13. PC card No. A65385 (A1A10), component location diagram.

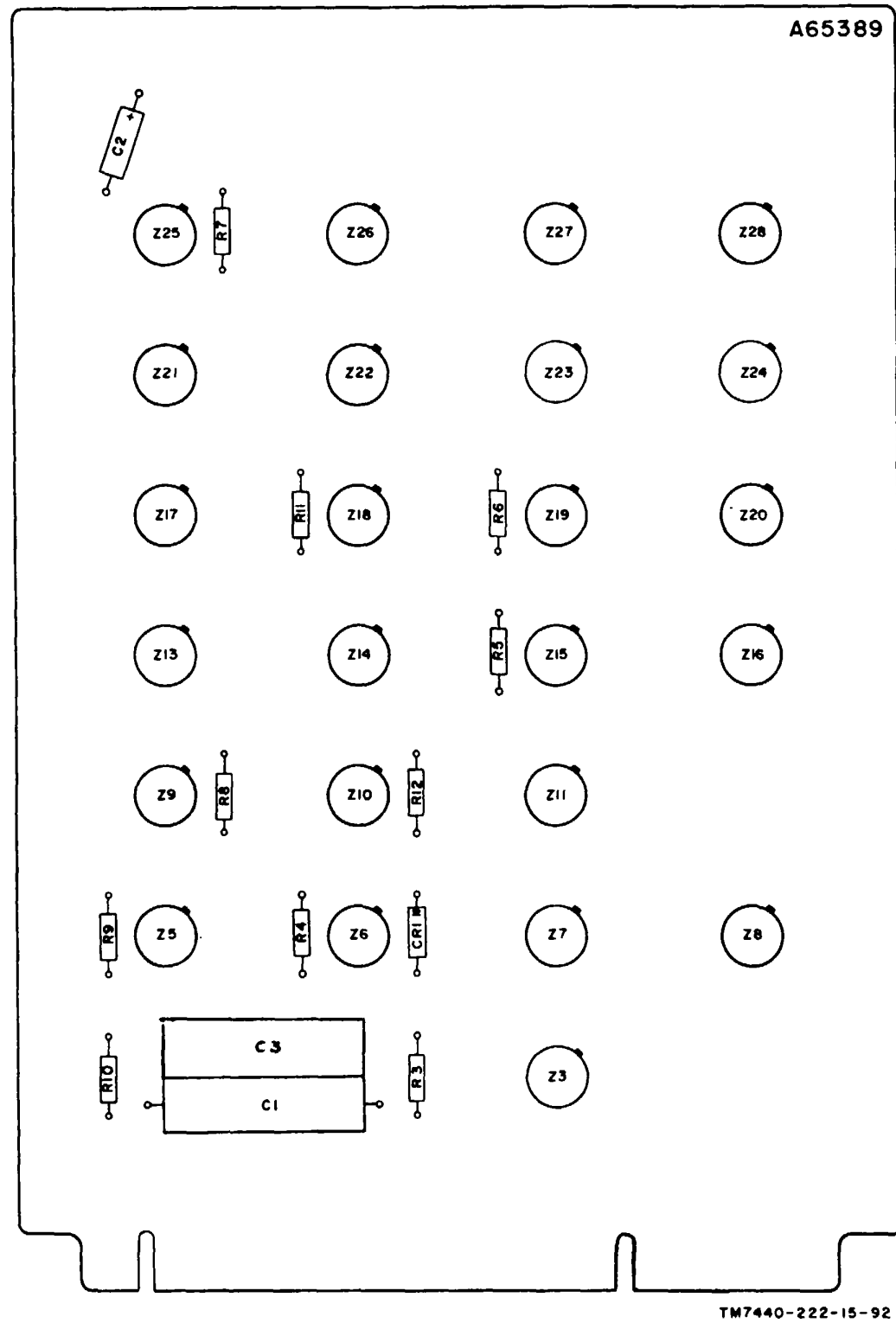


Figure 5-14. PC card No. A65393 (A1A11), component location diagram.

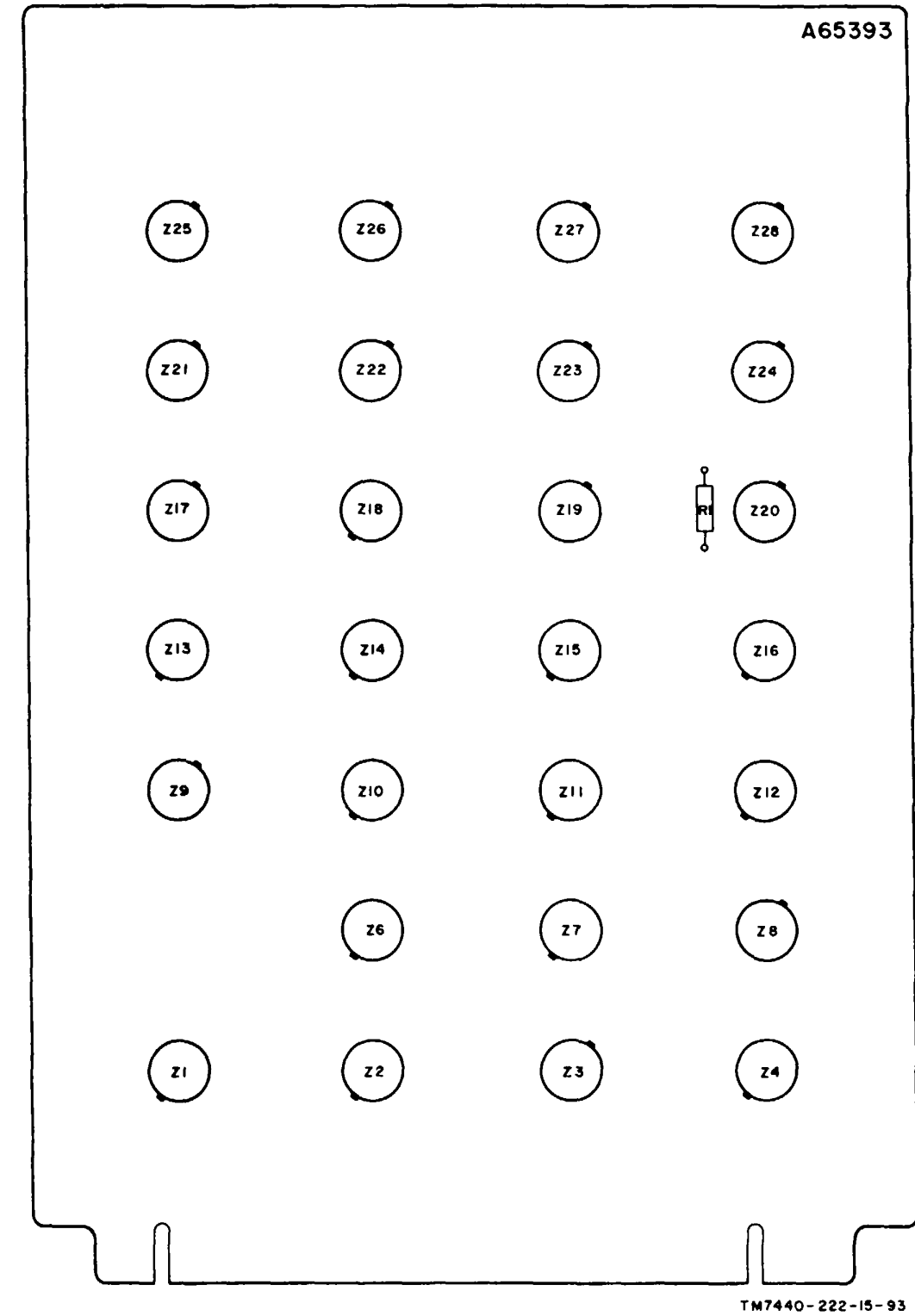


Figure 5-15. PC card No. A65393 (A1A4), component location diagram.

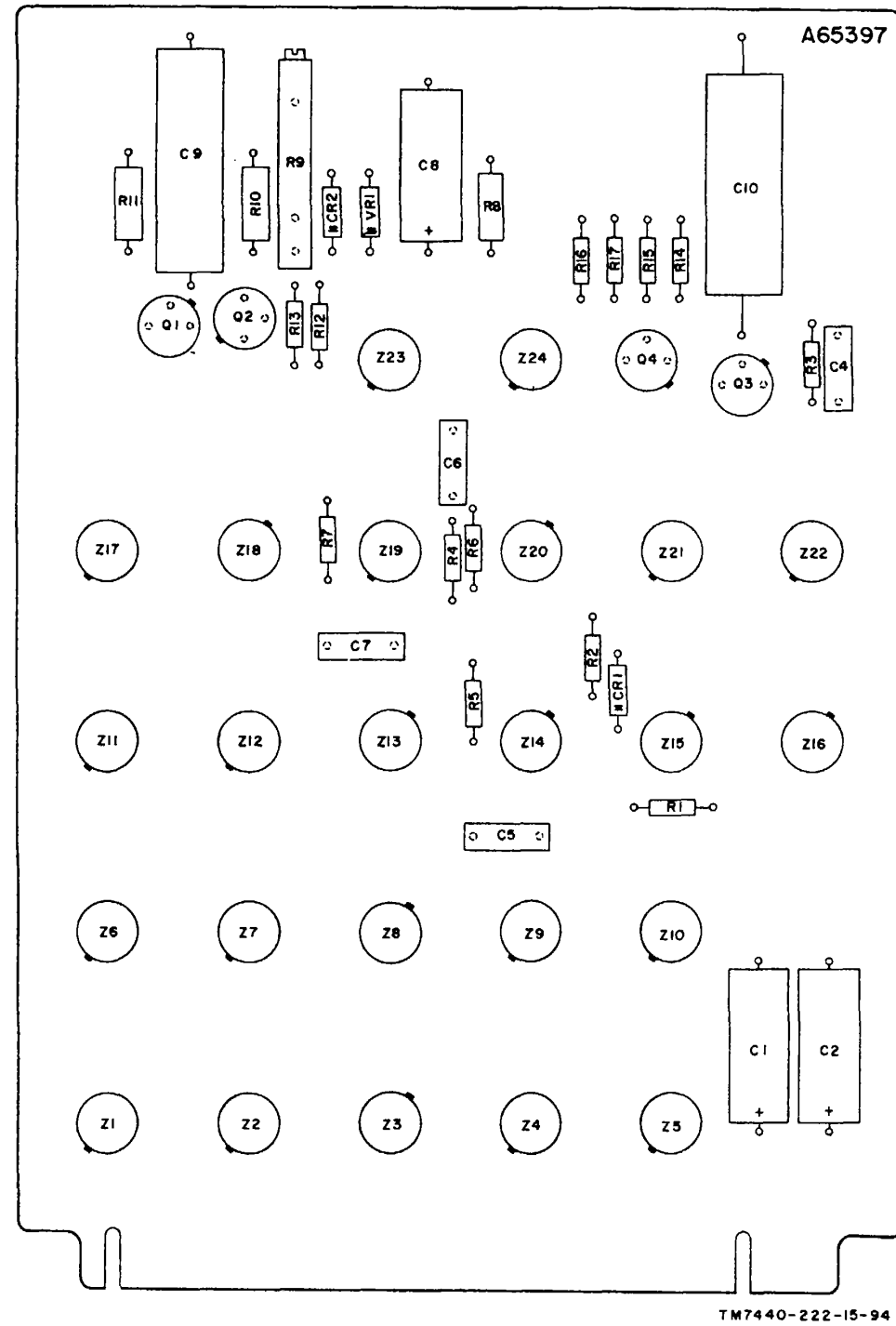


Figure 5-16. PC card No. A65397 (A1A3), component location diagram.

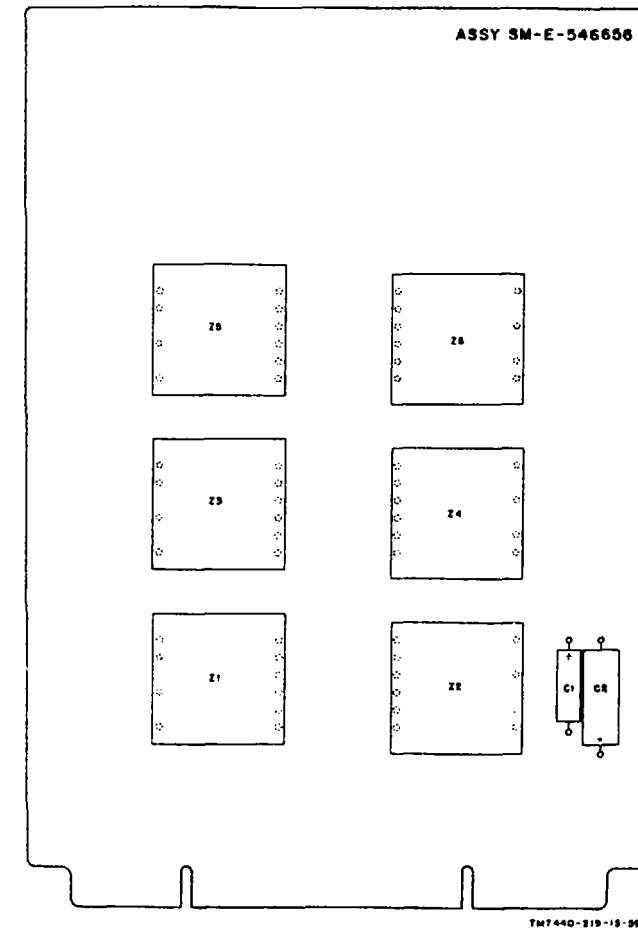


Figure 5-17. PC card No. SM-E-546656 (A1A20), component location diagram.

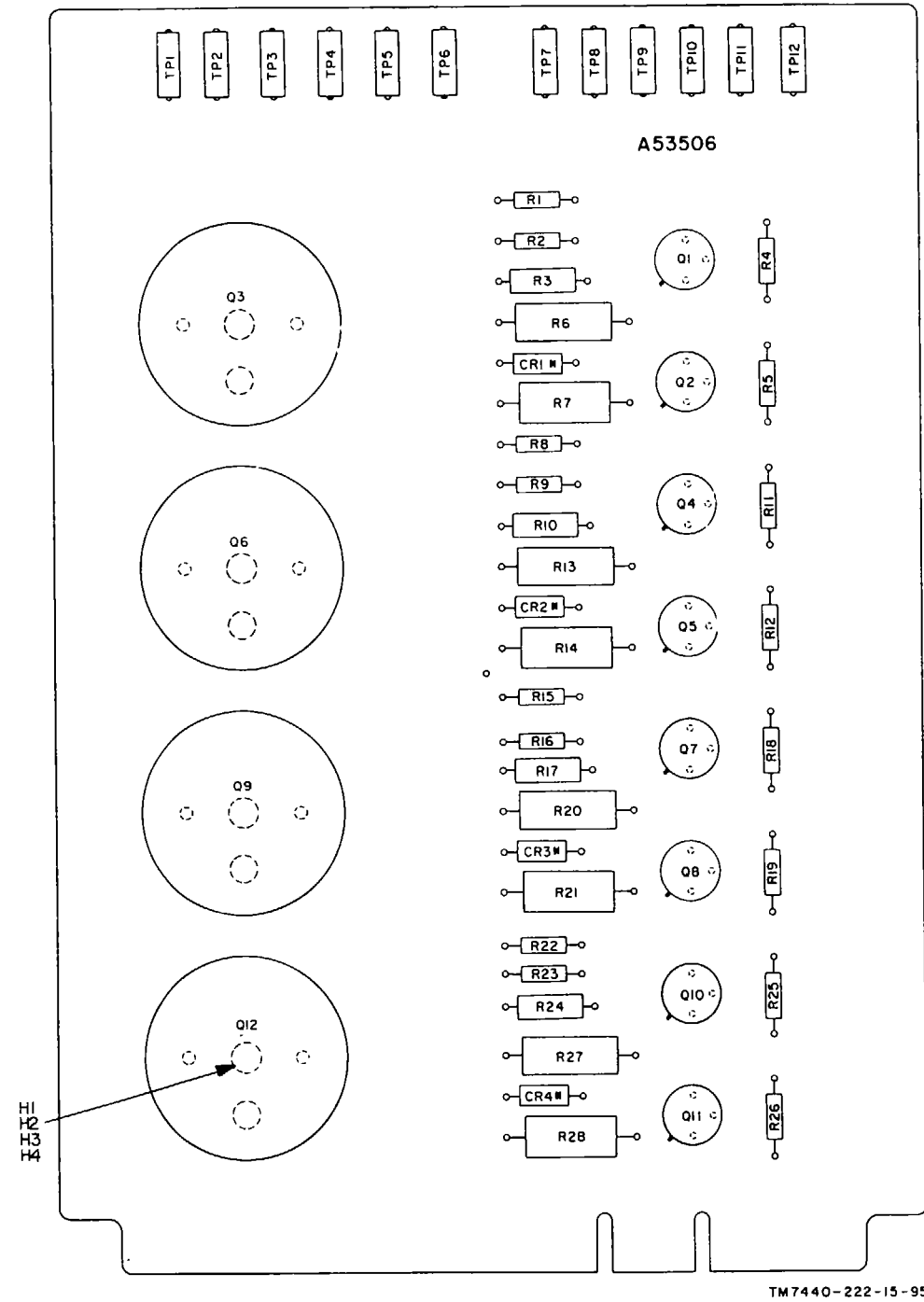


Figure 5-18. PC card No. A53506 (A4A1, A4A2, A4A3), component location diagram.

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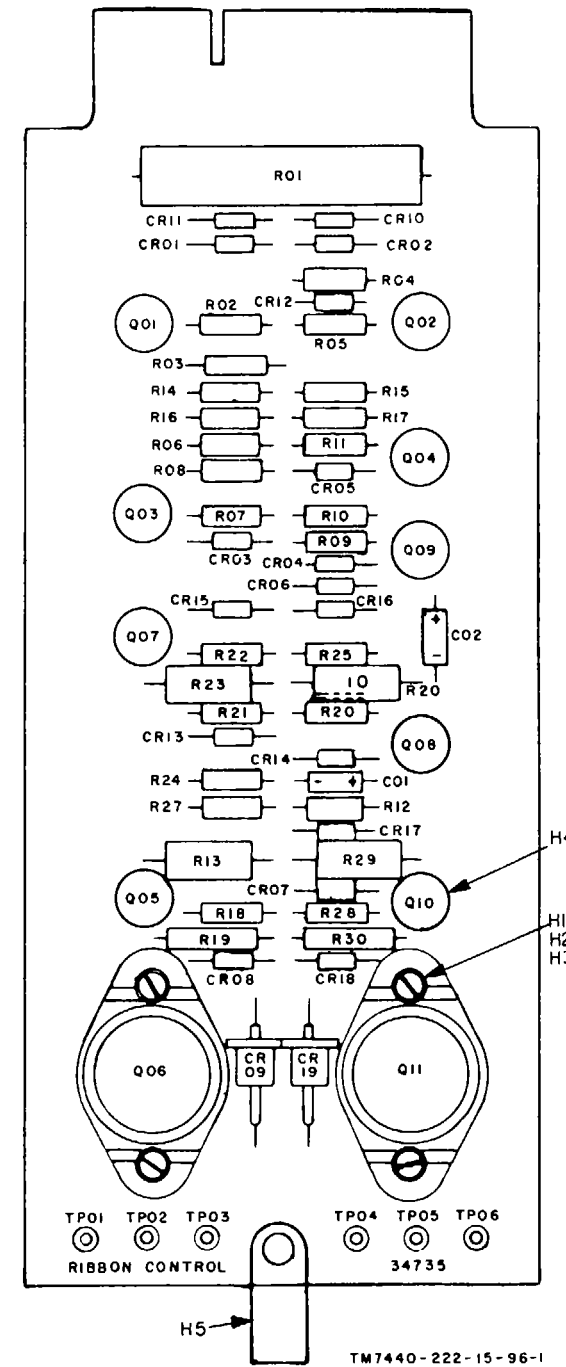


Figure 5-19. PC card No. 34735 (A3B0), component location diagram.

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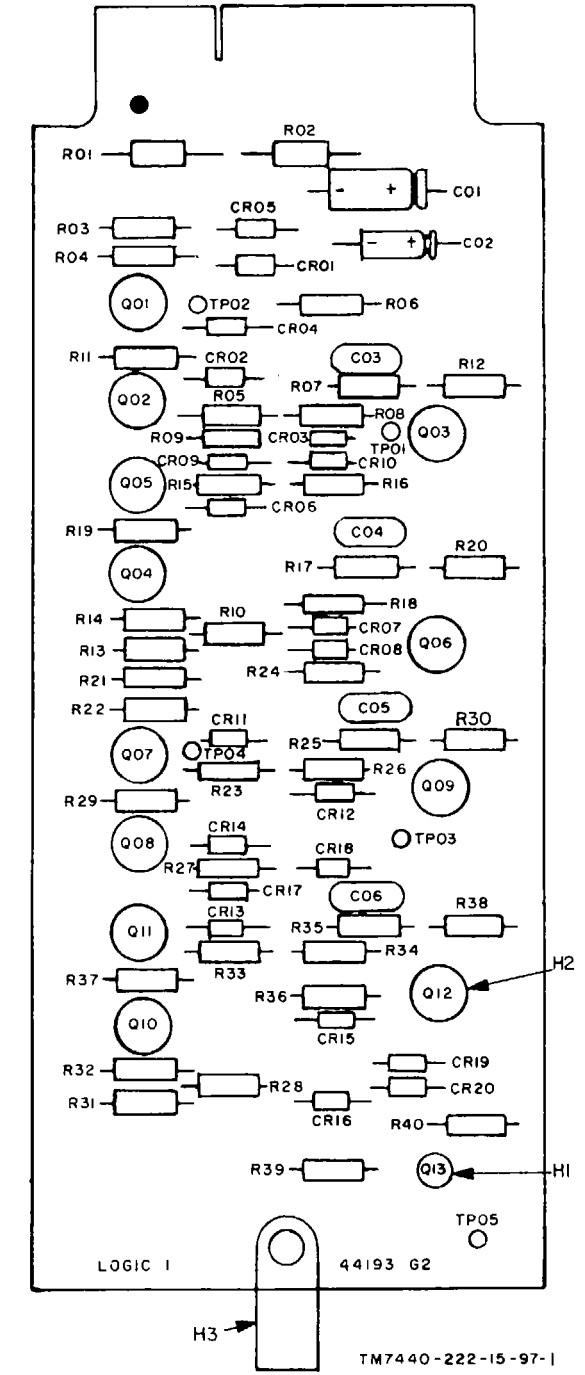


Figure 5-20. PC card No. 44193 (A3A1, A3A2), component location diagram.

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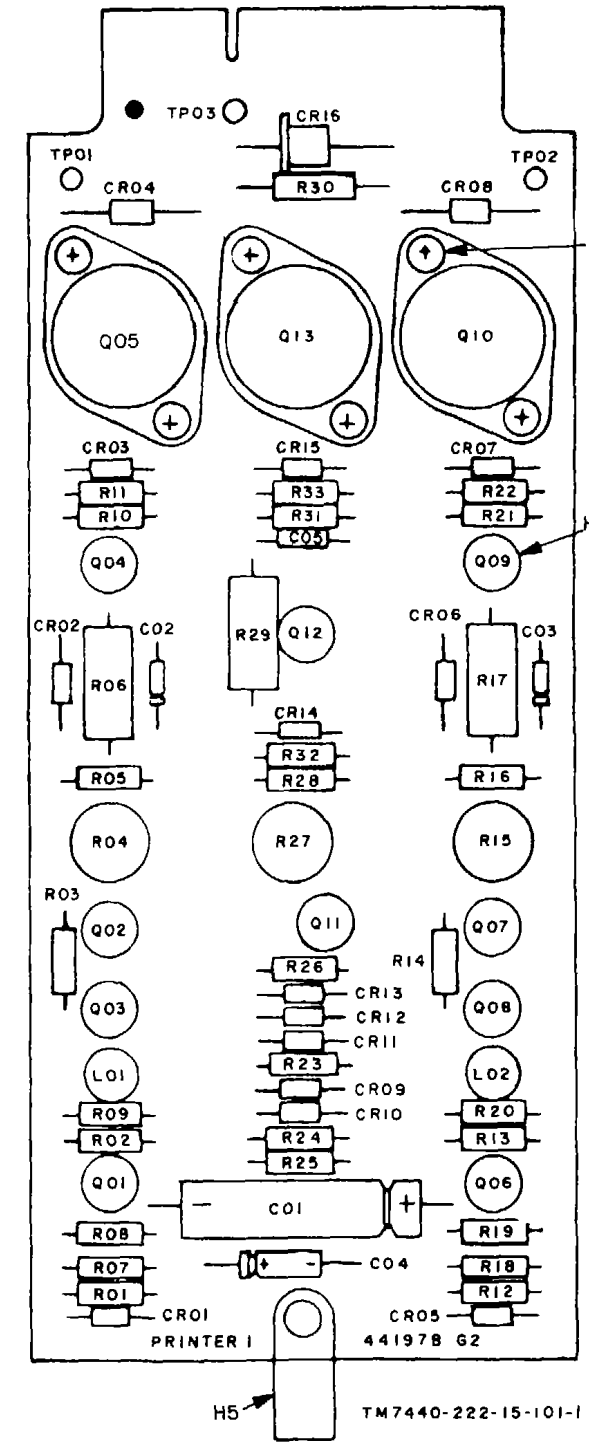
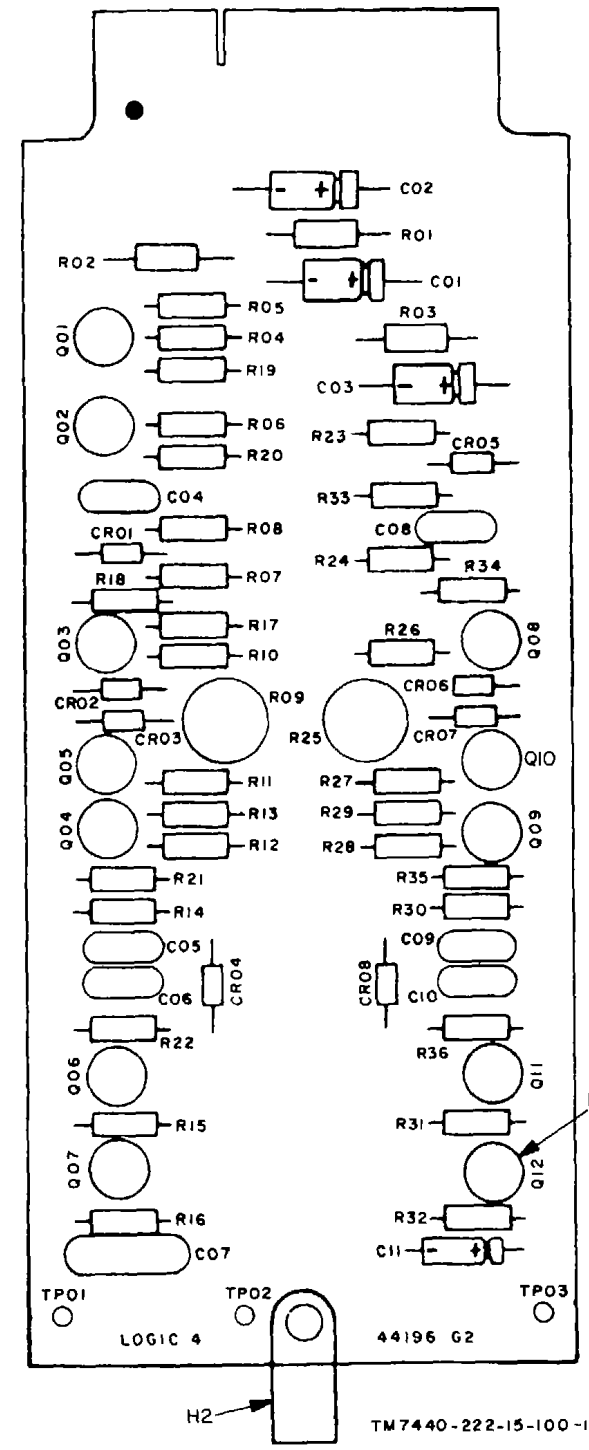
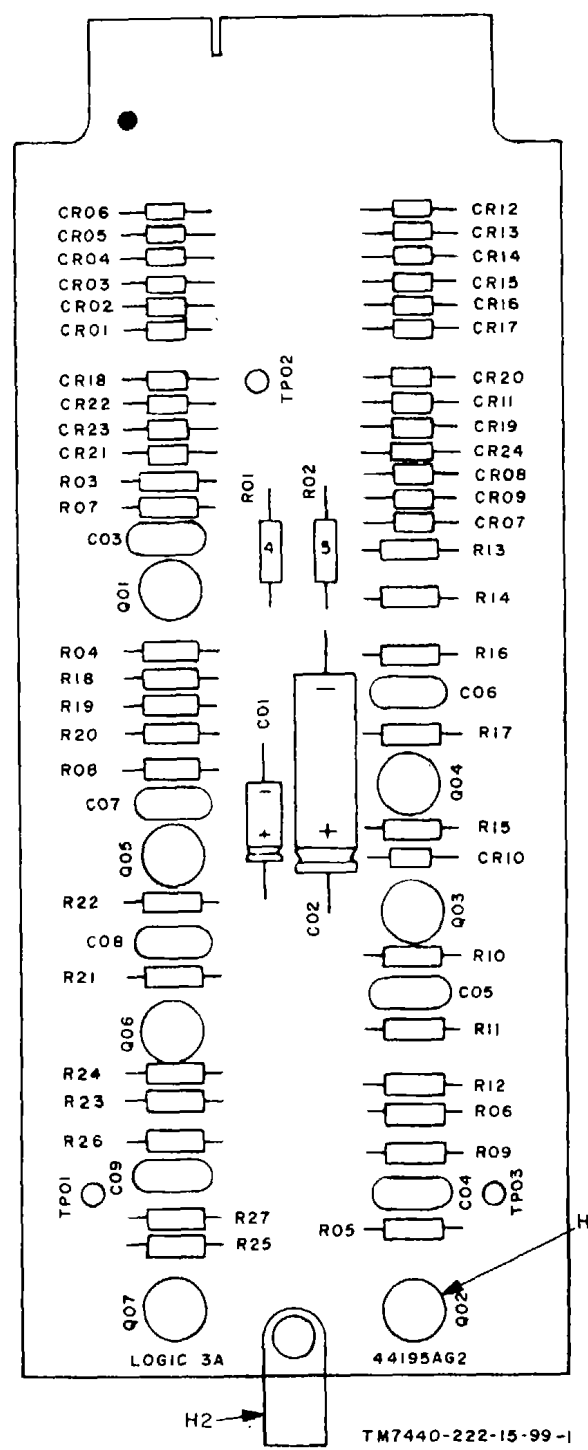
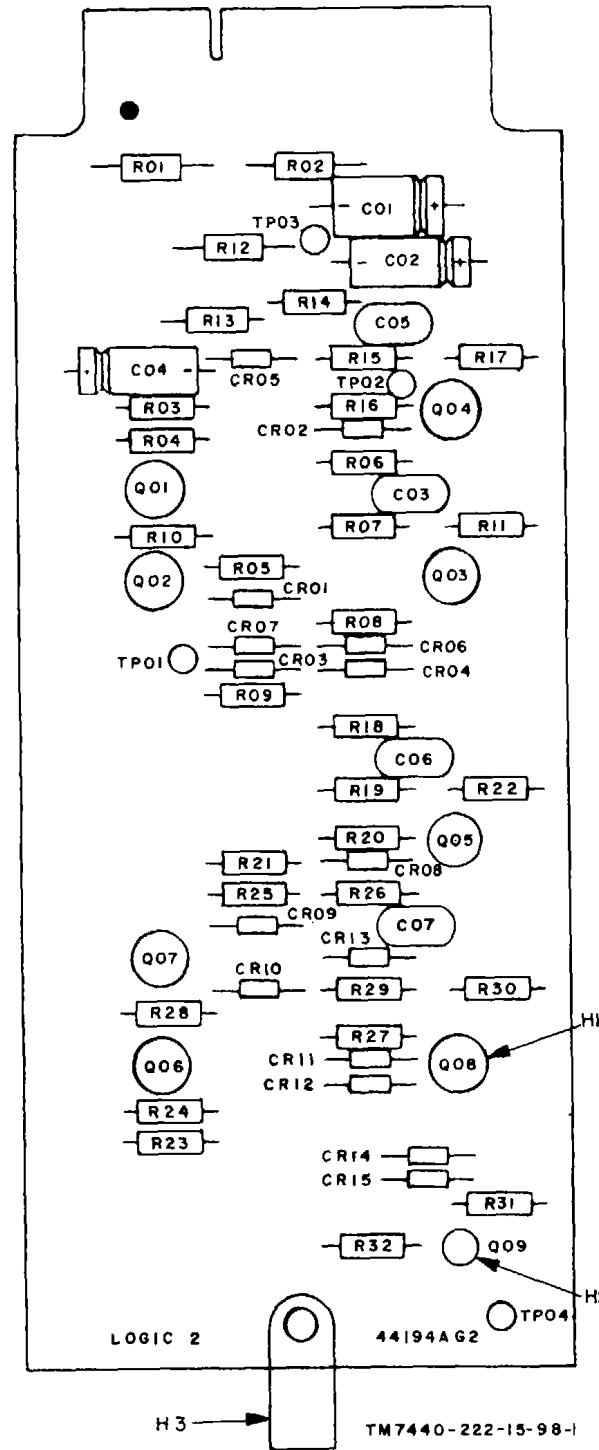


Figure 5-21. PC card No. 44194 (A3A4), component location diagram.

Figure 5-22. PC card No. 44195 (AS34) component location diagram.

Figure 5-23. PC card No. 44196 (A3B3), component location diagram.

Figure 5-24. PC card No. 44197 (A3B1), component location diagram.

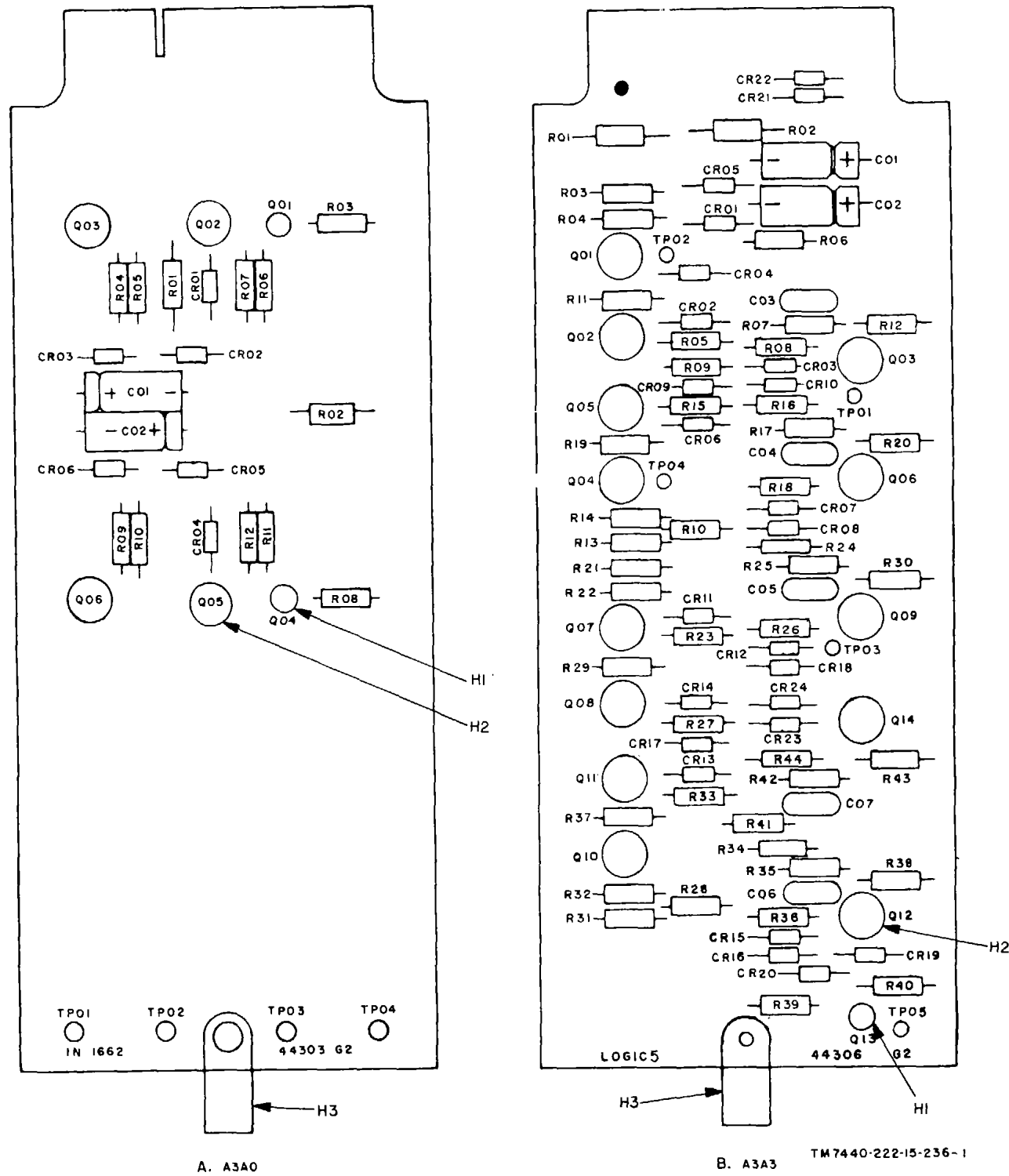


Figure 5-25. PC cards No. 44303 (A3A0), and 44306 (A3A3), component location diagrams.

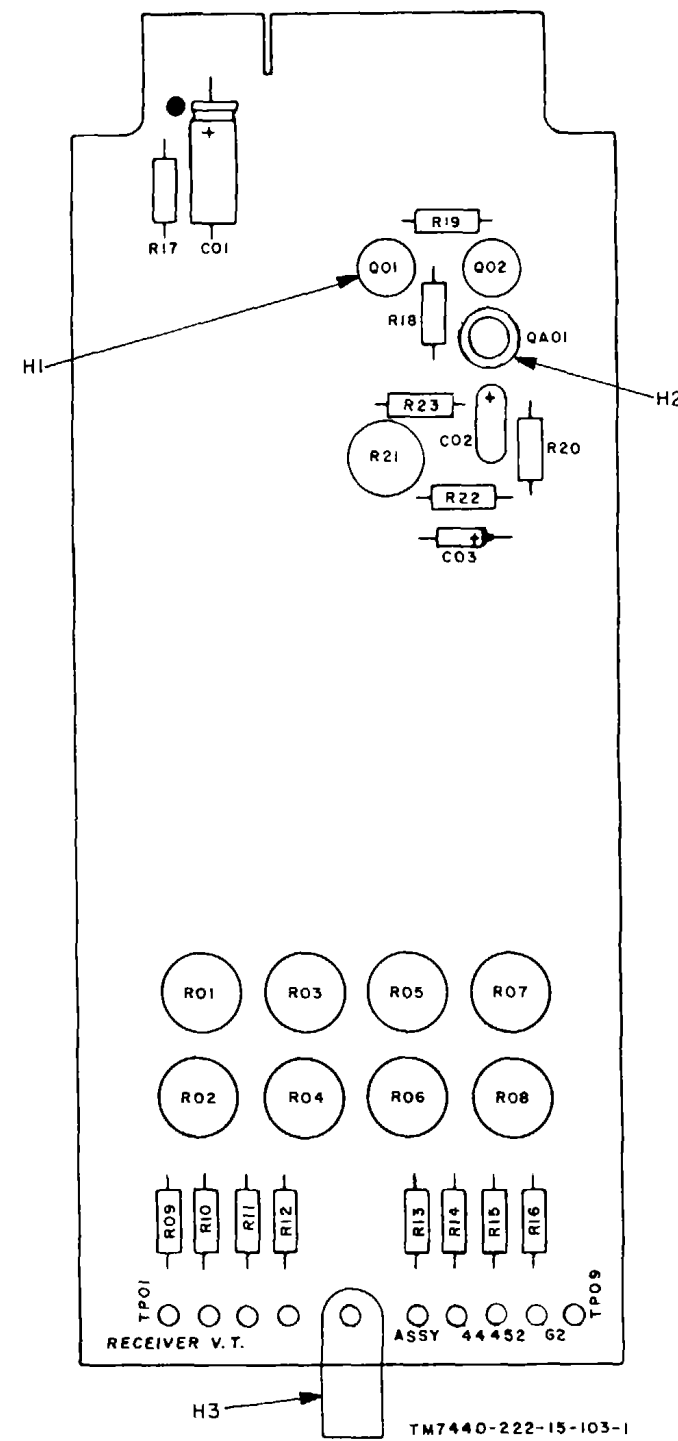


Figure 5-26. PC card No. 44452 (A3B2), component location diagram.

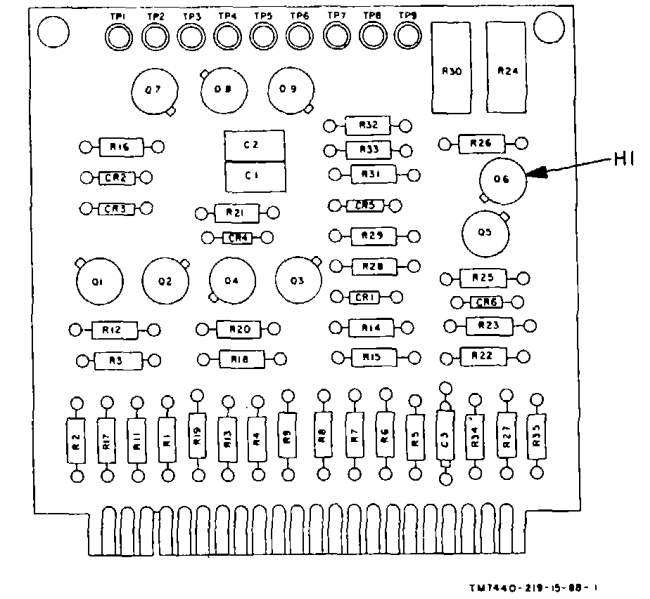


Figure 5-27. Component board assembly (+4.75 VDC) (PS1A1), component location diagram.

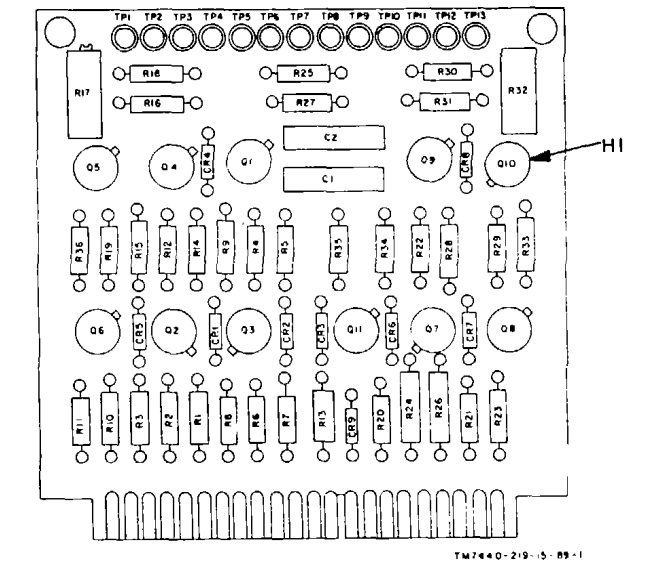


Figure 5-28. Component board assembly (±12 VDC) (PS1A2), component location diagram.

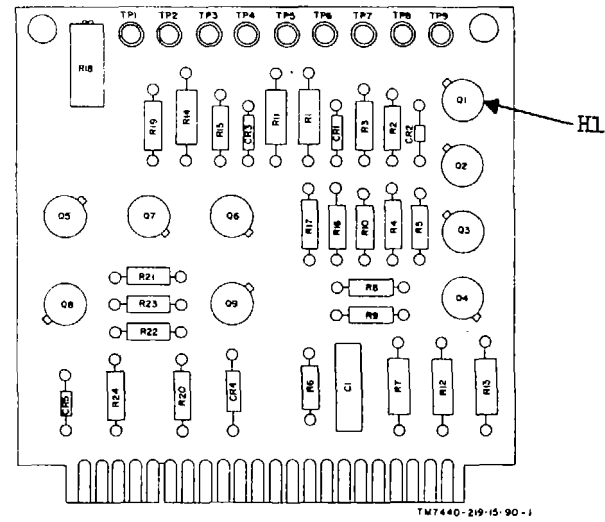


Figure 5-29. Component board assembly (-48 VDC) (PS1A3), component location diagram.

Caution: When replacing semiconductor components of heatsink subassemblies, clean mounting surfaces of semiconductor and heatsink chassis and apply a light coat of Dow Corning 340 Silicone Grease to mounting surfaces before mounting the semiconductor.

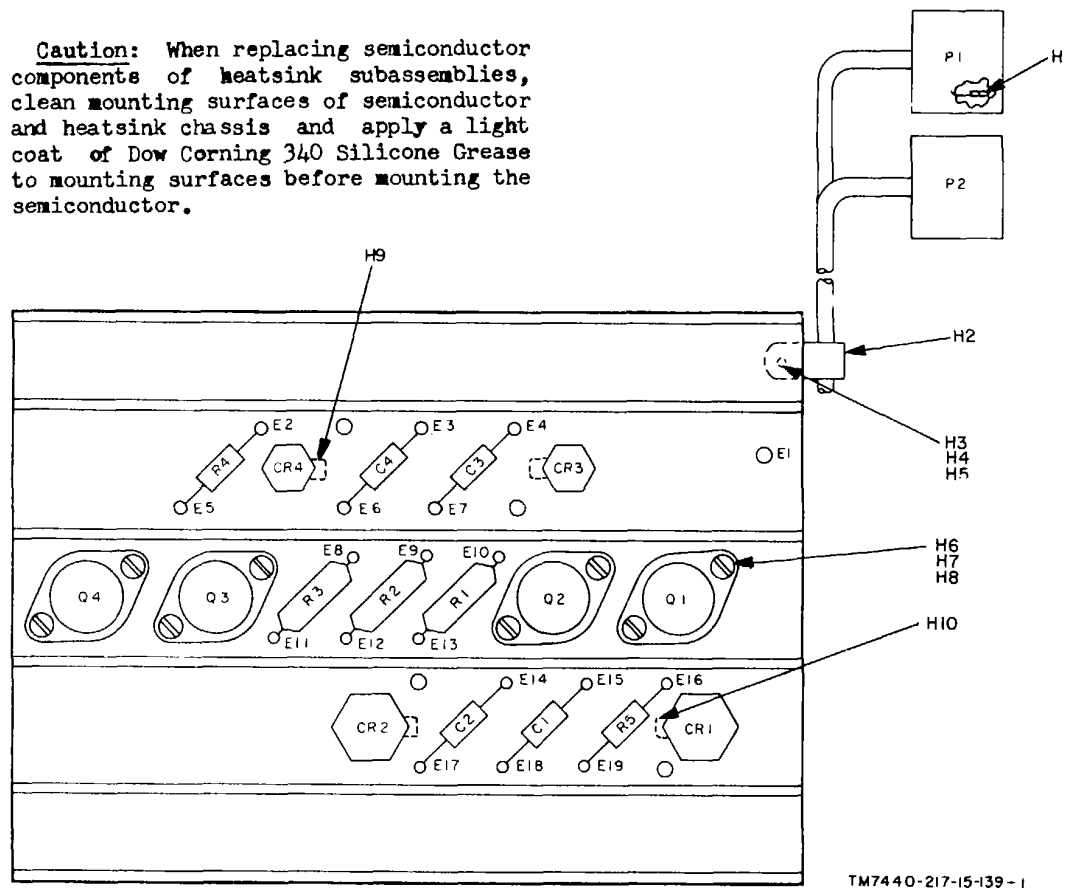


Figure 5-30. Heatsink components assembly (PS1A4), components location diagram.

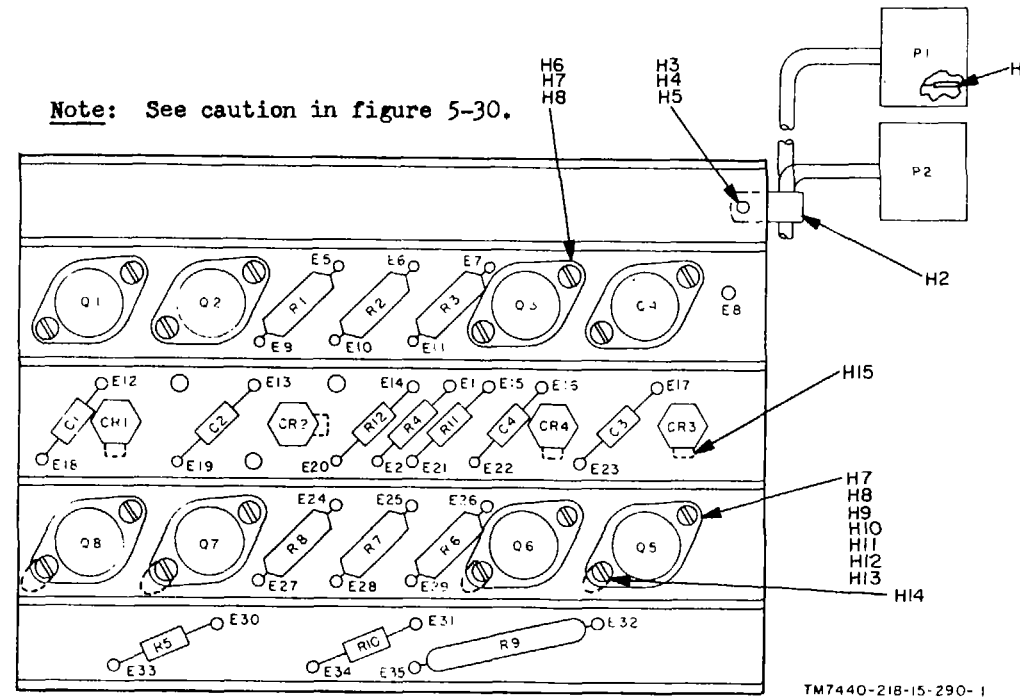


Figure 5-31. Heatsink components assembly (PS1A5), components location diagram.

Note: See caution in figure 5-30.

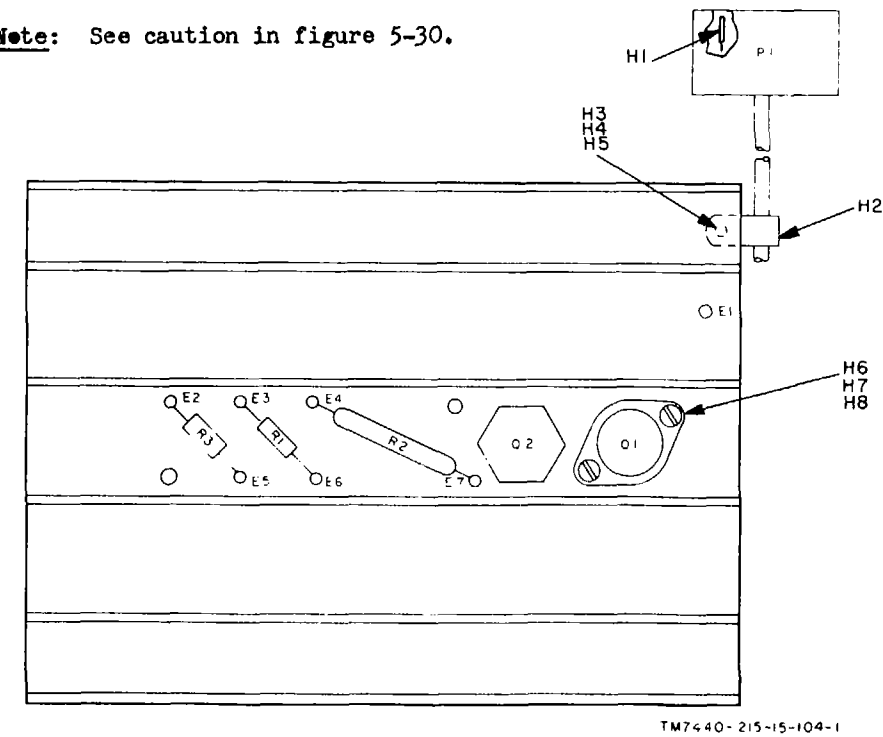


Figure 5-32. Heatsink components assembly (PS1A6), components location diagram.

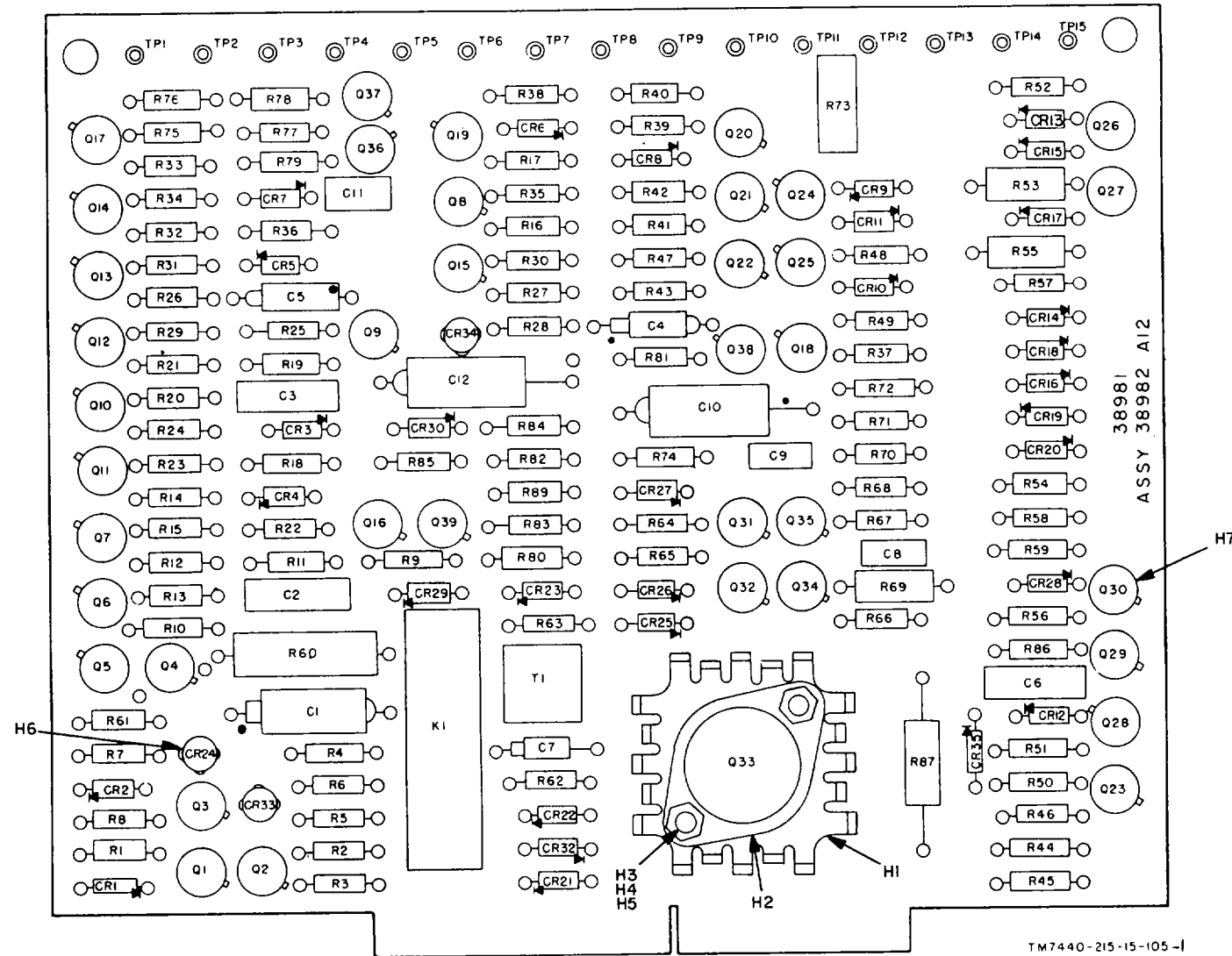
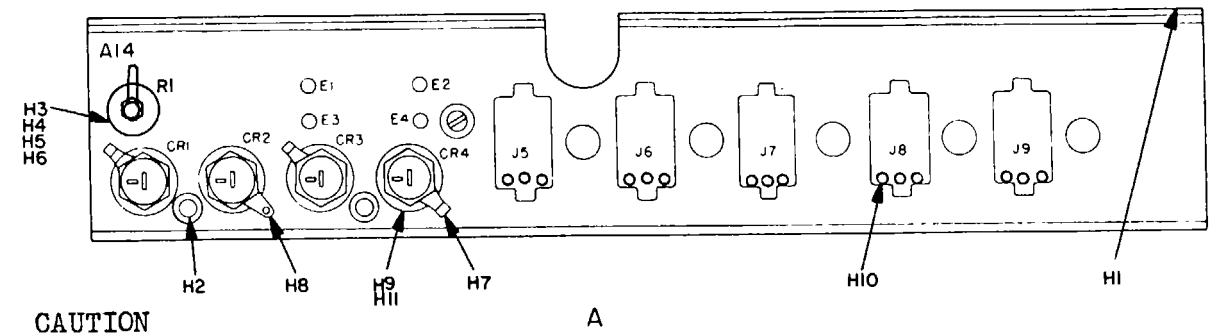


Figure 5-33. Sequence module component board assembly(PS1A12), component location diagram.



CAUTION
 Insure that mica insulators (H11) are placed between CR1, CR2, CR3, CR4, and the PS1A14 chassis.

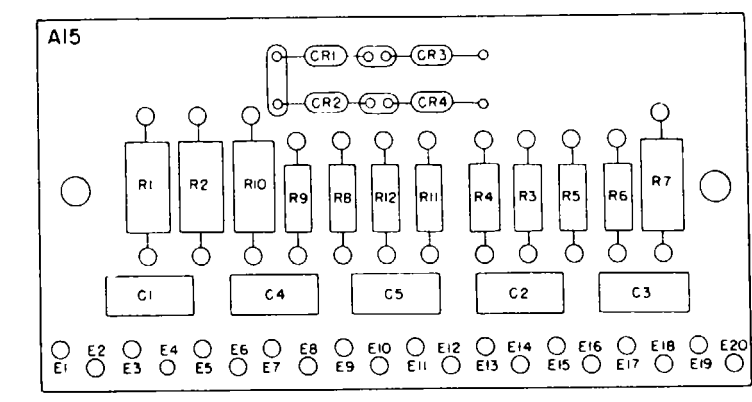


Figure 5-34. Component board assembly (PS1A15), component location diagram.

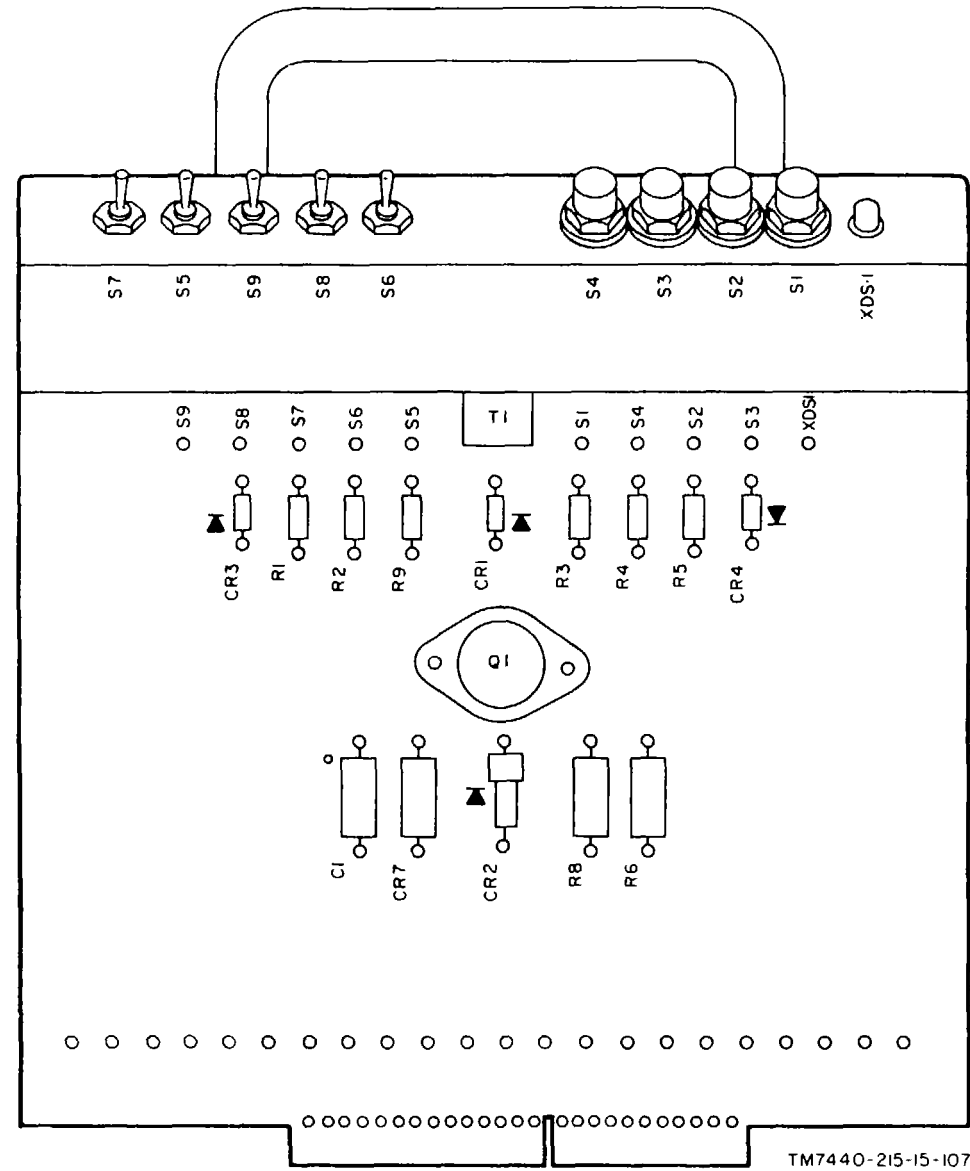
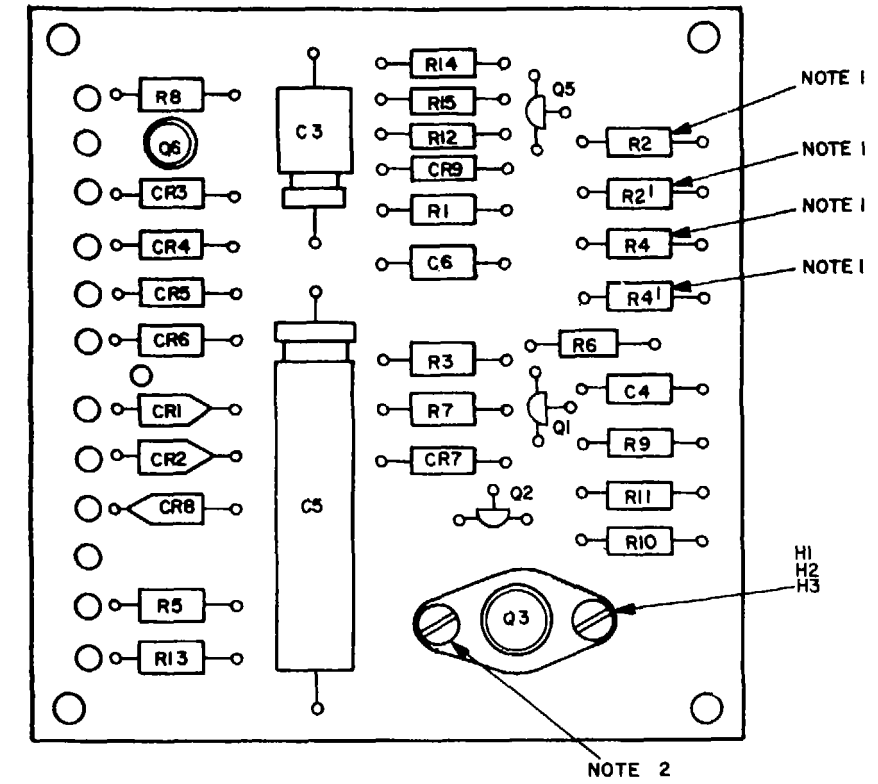


Figure 5-35. Power supply PS1 manual control card.



- NOTE 1: RESISTOR VALUE SELECTED DURING TEST.
 VALUES:
 R2-5600 OR 6,200 OHMS AS REQUIRED
 R2'- BETWEEN 20,000 AND 270,000 OHMS AS REQUIRED
 R4- 2,000 OR 22,000 OHMS AS REQUIRED
 R4'- BETWEEN 20,000 AND 270,000 OHMS AS REQUIRED
- NOTE 2: PLACE LOCKWASHER UNDER HEAD OF SCREW ON SIDE SHOWN

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Figure 5-36. PC card W-7712-27 (VR1), component location diagram.

NOTE: Use selected values for resistor R18 to adjust time duration of motor stop control clock circuit. Refer to paragraph 4-144 for adjustment procedures.

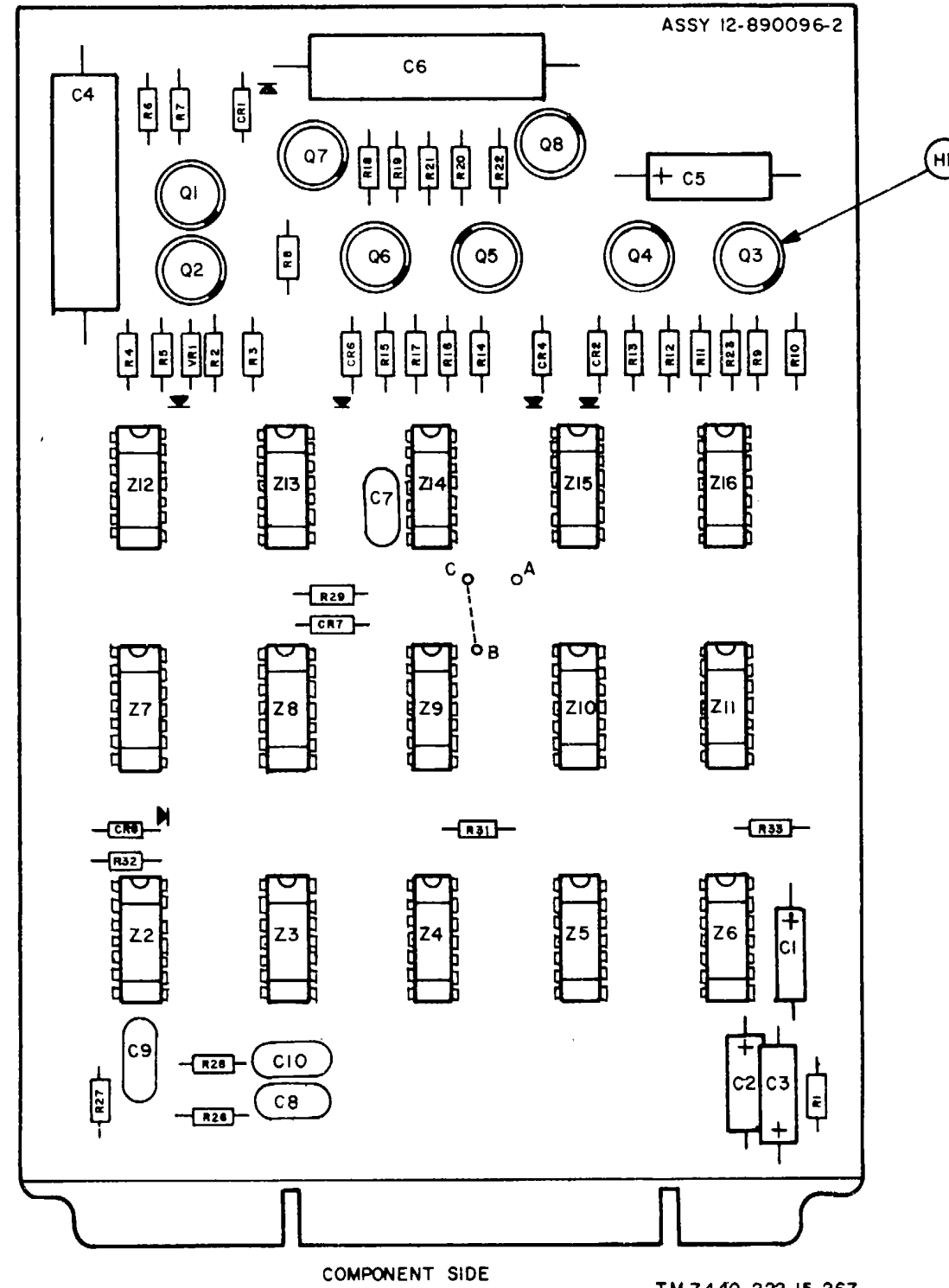
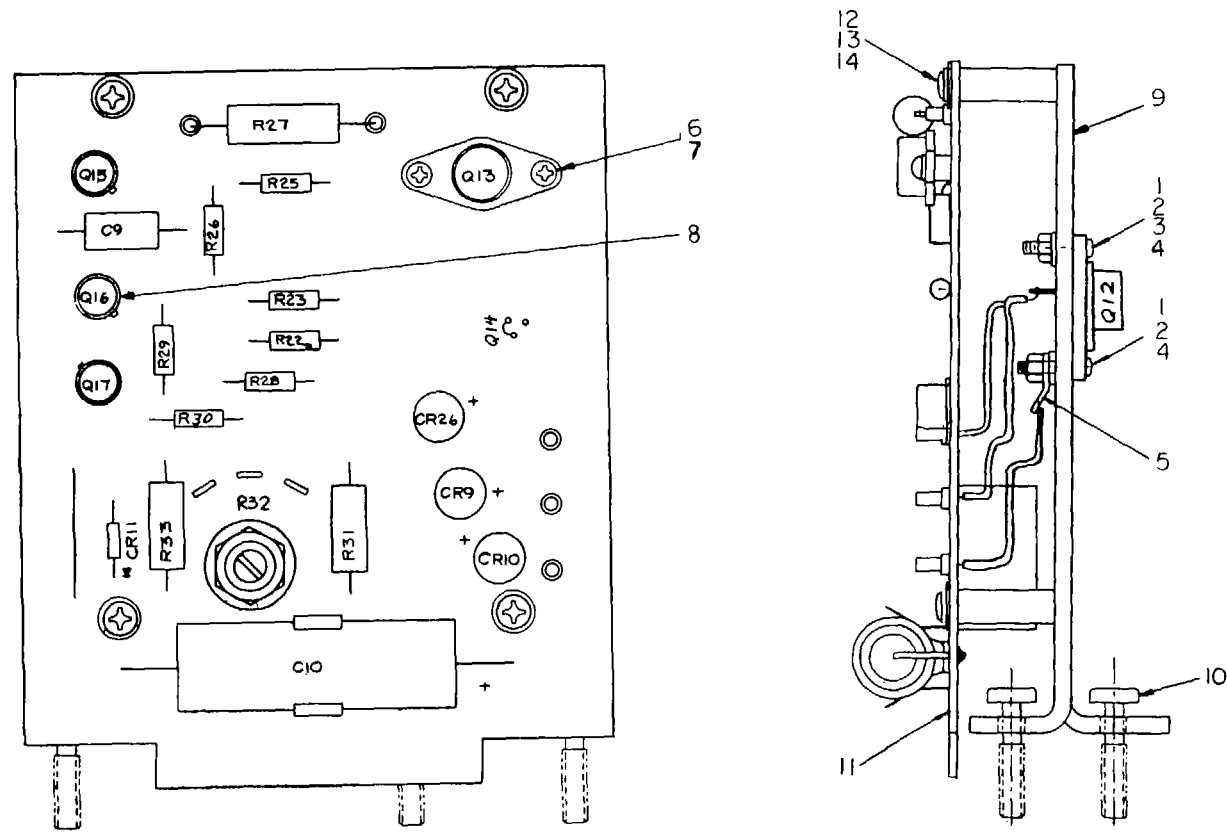


Figure 5-37. PC card 12-890096-2 (A5A1), component location diagram.

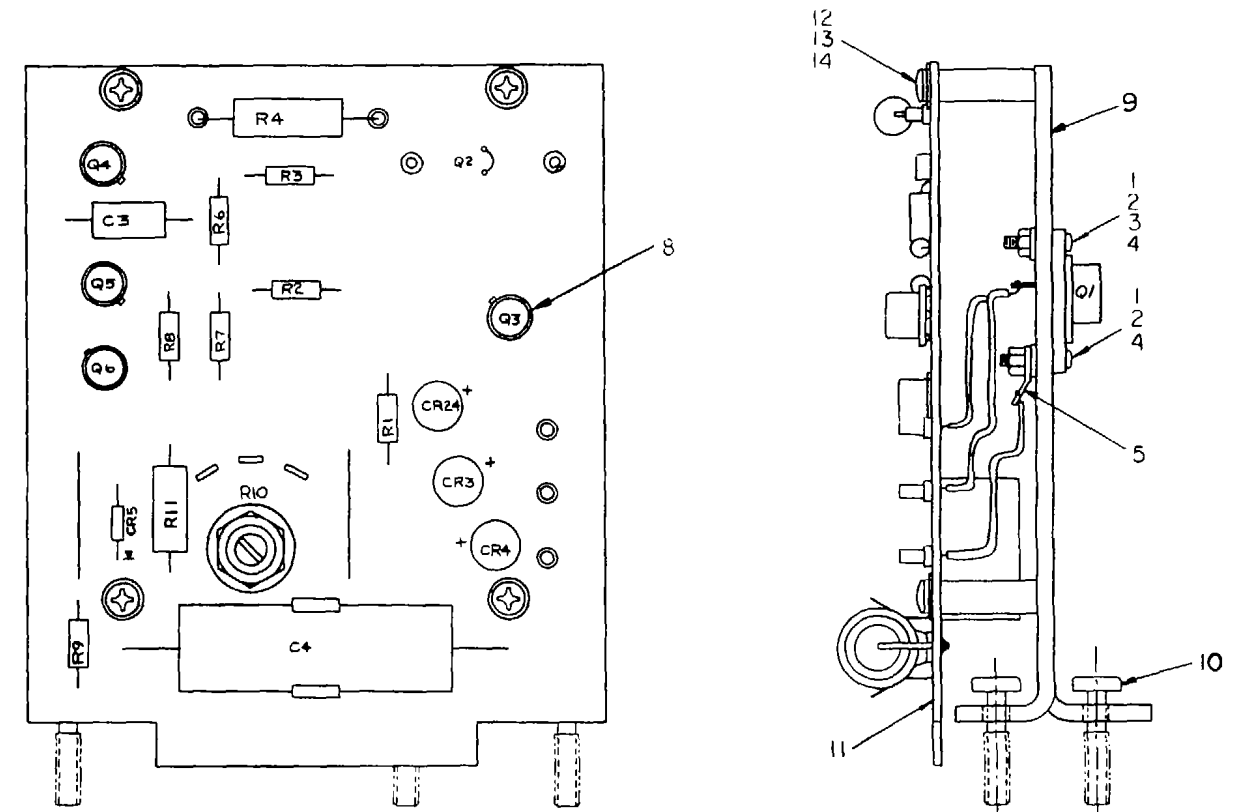


NOTE:
WHEN REPLACING PARTS ON ASSEMBLY 190-3591-3, ORDER APPROPRIATE COMPONENT USED ON ASSEMBLY 12-890140-002(SEE APPX. D).

TM 7440-222-15-279

- 1 Nut, hex., No. 6-32
- 2 Screw, panhead, No. 6-32, 5/8 in. lg
- 3 Lockwasher, No. 6
- 4 Washer, flat, No. 6
- 5 Terminal lug, int. tooth, No. 6
- 6 Screw, panhead, No. 4-40, 1/4 in. lg
- 7 Lockwasher, No. 4
- 8 Insulator disk, TO-5 transistor
- 9 Heatsink
- 10 Screw, machine, captive, No. 10-32
- 11 Printed circuit board
- 12 Screw, panhead, No. 6-32, 3/8 in. lg
- 13 Washer, flat, No. 6
- 14 Lockwasher, No. 6

Figure 5-38. Power supply PS2, -18 volt regulator (12-890140-002 or 190-3591-3), component location diagram.

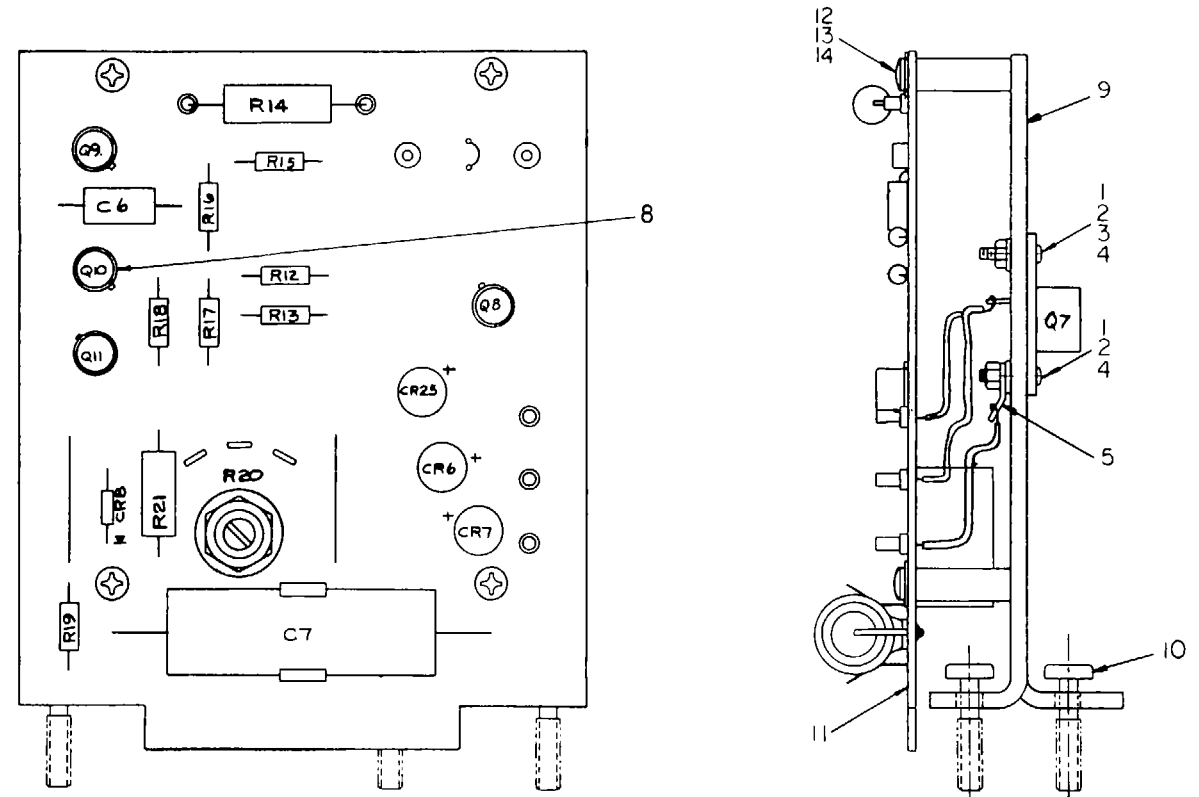


NOTE:
WHEN REPLACING PARTS ON ASSEMBLY 190-3591-1, ORDER APPROPRIATE COMPONENT USED ON ASSEMBLY 12-890141-002 (SEE APPX. D).

TM 7440-222-15-277

- 1 Nut, hex., No. 6-32
- 2 Screw, panhead, No. 6-32, 5/8 in. lg
- 3 Lockwasher, No. 6
- 4 Washer, flat, No. 6
- 5 Terminal lug
- 6 Not used
- 7 Not used
- 8 Insulator disk, TO-5 transistor
- 9 Heatsink
- 10 Screw, machine, captive, No. 10-32
- 11 Printed circuit board
- 12 Screw, panhead, No. 6-32, 3/8 in. lg
- 13 Washer, flat, No. 6
- 14 Lockwasher, No. 6

Figure 5-39. Power supply PS2, +6 volt regulator (12-890141-002 or 190-3591-1), component location diagram.

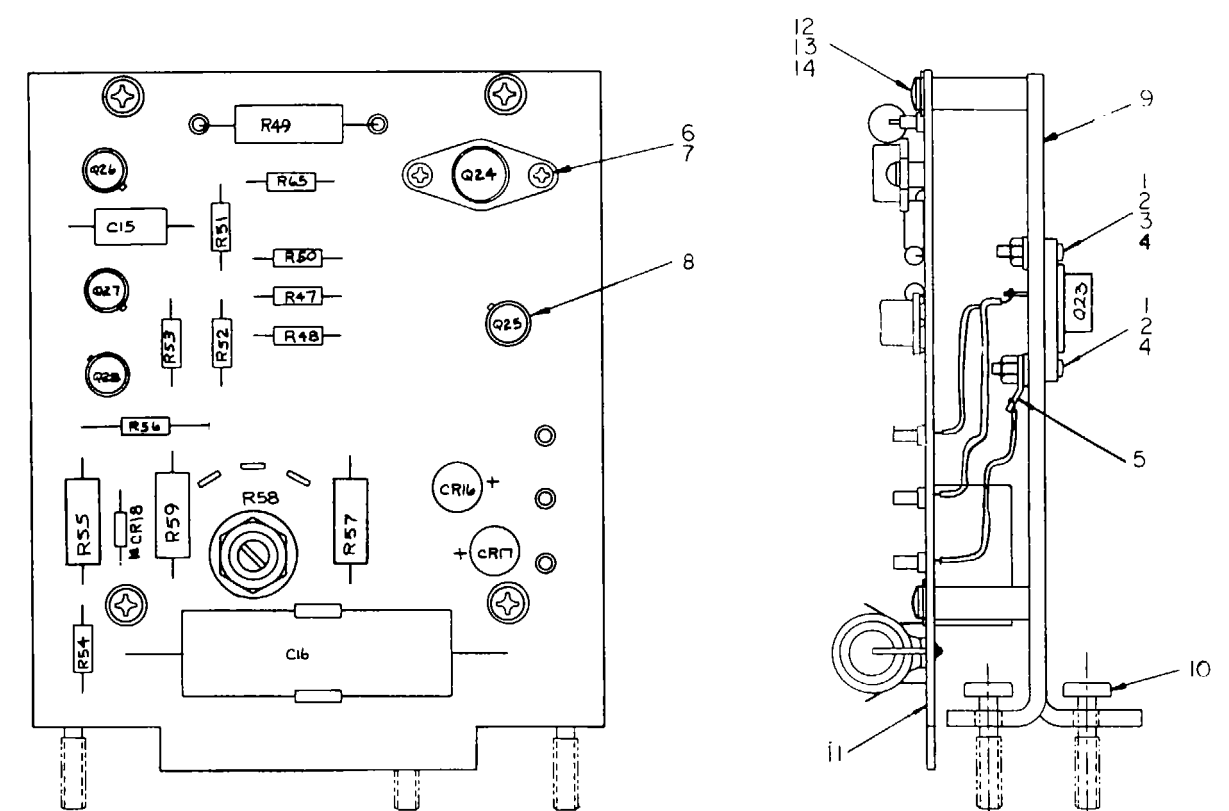


NOTE:
WHEN REPLACING PARTS ON ASSEMBLY 190-3591-2, ORDER APPROPRIATE COMPONENT USED ON ASSEMBLY 12-890142-002 (SEE APPX. D).

- 1 Nut, hex., No. 6-32
- 2 Screw, panhead, No. 6-32, 5/8 in. lg
- 3 Lockwasher, No. 6
- 4 Washer, flat, No. 6
- 5 Terminal lug, int. tooth, No. 6
- 6 Not used
- 7 Not used
- 8 Insulator disk, TO-5 transistor
- 9 Heatsink
- 10 Screw, machine, captive, No. 10-32
- 11 Printed circuit board
- 12 Screw, panhead, No. 6-32, 3/8 in. lg
- 13 Washer, flat, No. 6
- 14 Lockwasher, No. 6

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Figure 5-40. Power supply PS2, -6-volt regulator (12-890142-002 or 190-3591-2), component location diagram.



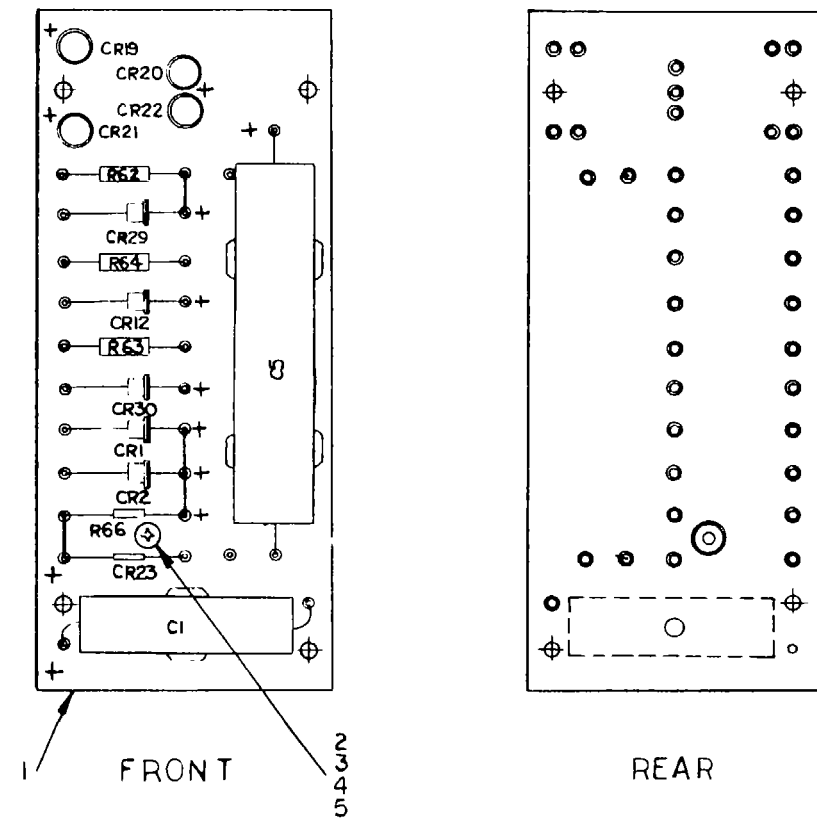
NOTES:
1. (APPLICABLE ONLY TO UNITS MODIFIED BY MWO 11-7440-222-30-1/NAVELEX 0967-324-0220/TCTO 31W4-2G-508.) WHEN REPLACING PARTS ON ASSEMBLY 41-000004-1, ORDER APPROPRIATE COMPONENT USED ON ASSEMBLY 12-890143-001 (SEE APPX. D).
2. (APPLICABLE ONLY TO UNITS WITHOUT MODIFICATION LISTED IN NOTE 1 ABOVE.) WHEN REPLACING PARTS ON ASSEMBLY 190-3591-4, ORDER APPROPRIATE COMPONENT (WITH THE EXCEPTION OF R57 AND R59) USED ON ASSEMBLY 12-890143-001 (SEE APPX. D). FOR R57 AND R59, ORDER THE FOLLOWING:

- R57 - FSN 5905-975-1128, MFR'S CODE 63743, P/N 3X390, RESISTOR, 390 OHMS.
- R59 - FSN 5905-985-5401, MFR'S CODE 63743, P/N 3X470, RESISTOR, 470 OHMS.

- 1 Nut, hex., No. 6-32
- 2 Screw, panhead, No. 6-32, 5/8 in. lg
- 3 Lockwasher, No. 6
- 4 Washer, flat, No. 6
- 5 Terminal lug, int. tooth, No. 6
- 6 Screw, panhead, No. 4-40, 1/4 in. lg
- 7 Lockwasher, No. 4
- 8 Insulator disk, TO-5 transistor
- 9 Heatsink
- 10 Screw, machine, captive, No. 10-32
- 11 Printed circuit board
- 12 Screw, panhead, No. 6-32, 3/8 in. lg
- 13 Washer, flat, No. 6
- 14 Lockwasher, No. 6

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Figure 5-41. Power supply PS2, -5.3-volt regulator (12-890143-001 or 41-000004-1) and -4.75-volt regulator (190-3591-4) component location diagram.



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NOTE:
 WHEN REPLACING PARTS ON ASSEMBLY 190-3616-1, ORDER APPROPRIATE
 COMPONENT USED ON ASSEMBLY 00-001660-002 (SEE APPX. D).

Figure 5-42. Power supply PS2, -63v component board assembly (00-001660-002 or 190-3616-1), component location diagram

Humidity..... Room ambient up to 98 %
 Power..... 120 VAC, 60 Hertz

(2) Connect the low speed paper tape punch to the test equipment as shown in fig. 6-1.

c. AUTODIN Device Test Set Modification.

(1) Test procedures outlined in this chapter include provisions for testing of the low speed paper tape punch with motor stop modification (MWO 11-7440-222-30-1/NAVELEX 0967-324-0220/TCTO 31W4-2G-508) installed. To enable checking of the motor stop circuits, modification of the AUTODIN Device Test Set (General Dynamics Model 48-201686) is required. Procedures for making this modification to the test set are provided in paragraph 6-12 at the end of this chapter.

(2) Under emergency conditions, checkout of the low speed paper tape punch can be accomplished without modification of the test set. In this situation, however, motor stop control circuits can not be checked. To perform the checkout it is necessary to set the MOTOR STOP CONTROL CONTINUOUS /AUTOMATIC switch to the CONTINUOUS position. Accordingly, any reference in the test procedure to changing the setting of this switch or to

observing that punch mechanism or printer interpreter drive motors not operating must be ignored.

6-5. Visual Tests

Disconnect power from the device. Check the general physical condition of the equipment as follows:

a. Exterior and Interior Surfaces. All surface finishes must be free from rust, scratches or other damage. Surfaces must not be damaged.

b. Cables. The lead connections of all cables must be secure. All cable connectors must be undamaged and cables should not be cracked, frayed, or routed to place strain on the wires.

c. Hardware. All bolts and screws, such as slide mounting screws, panel mounting screws, motor mounting bolts, and mechanism mounting screws must be tight.

d. PC Cards. Check that all printed circuit cards in logic assembly A1 are mounted securely in the proper connector (pare 1-6).

6-6. Operational Tests-Fixed Voltage and Frequency

a. Preliminary Procedure.

(1) Set the switches and controls on the

Autodin Device Test Set (test set, as follows:

- (a) 115 VAC circuit breaker to OFF.
- (b) ASSIGNMENT to NOT ASSIGNED.
- (c) MODE to AUTO.
- (d) DEVICE SELECT to TP.
- (e) CYCLE to CONT.
- (f) MESSAGE FORMAT to A.
- (g) PUNCH CONTROL:
 - 1. LS/HS SELECT to LS.
 - 2. PARITY to GOOD.
 - 3. INPUT SEL to CCU.
 - 4. UK INTERLOCK to OFF.
 - 5. DELAY/OVERRIDE to DELAY.

(2) Position the switches on the low speed paper tape punch as follows:

- (a) CODE SELECT ASCII/ITA#2 to ASCII.
- (b) TAPE FEED INCHES to 6.
- (c) MOTOR STOP CONTROL CONTINUOUS/AUTOMATIC to AUTOMATIC.
- (d) MOTOR STOP CONTROL OVERRIDE PUNCH to OFF.
- (e) MOTOR STOP CONTROL OVERRIDE PI to OFF.

(3) Install the ASCII code wheel, part number 30441A, on the printer interpreter.

WARNING

Serious damage may occur to the low speed paper tape punch if it is operated without oil or without the oil vent open.

(4) On the punch mechanism, remove chad box and observe the oil level in the punch mechanism. Add oil if necessary. Replace chad box, pull punch mechanism forward on slides and verify that the punch mechanism oil vent (on rear of panel) is open.

(5) Position the POWER switch on the variable frequency and voltage source (CM L N5000A) to ON and allow a 5 minute warmup.

(6) Position the HIGH VOLTAGE switch on the variable frequency and voltage source to ON.

(7) Adjust the OUTPUT LEVEL control on the variable frequency and voltage source to produce a reading of 120 VAC on the OUTPUT VOLTAGE meter. Adjust the frequency control for 60 CPS.

(8) Position the 115 VAC circuit breaker switch on the test set to ON and verify that the test set AC ON lamp lights.

(9) With current limiting control set fully clockwise, check that test set dc power supplies are supplying proper voltage output levels:

- (a) +4.75 VDC ± 0.1 VDC.

- (b) +12.0 VDC ± 0.1 VDC.

- (c) -12.0 VDC ± 0.1 VDC.

(10) Procedures outlined in steps (11) through (15) below assume paper tape is not loaded in the punch mechanism or in the printer interpreter. Thus, if necessary, remove the paper tape from the low speed paper tape punch.

CAUTION

Do not allow over 30 seconds % elapse from the time the AC POWER switch is pressed in step (11) below until the AC POWER switch is pressed the second time in step (16) to turnoff power.

(11) Press the AC POWER switch on the low speed paper tape punch (PTP) and verify that the switches and indicators light as follows:

Switch/indicator	Color
AC POWER switch	White
DC POWER switch	White
Both STOP switches	Red
PRINT FAIL indicator	Amber
SLACK TAPE indicator	Amber
NOT ASSIGNED indicator.....	Amber
LOW TAPE indicator.....	Amber
TAPE OUT indicator	Red
WIDE-NARROW switch	Illuminates white in either (but not both) WIDE or NARROW position.

PRINT INDEPENDENT

indicator.....Extinguished

(12) If WIDE/NARROW switch illuminates in NARROW, press switch one time to illuminate WIDE.

(13) Verify that punch mechanism drive motor is operating.

(14) Verify that printer interpreter drive motor is operating.

(15) Verify that blowers B1 and B3 in the PTP cabinet are operating.

(16) Press the low speed paper tape punch AC POWER switch and verify the following results:

- (a) No PTP switches or indicators are illuminated.
- (b) Punch mechanism drive motor is not operating.
- (c) Printer interpreter drive motor is not operating.
- (d) Blowers B1 and B3 in PTP cabinet are not operating.

(17) Load a spool of 1-inch wide paper tape in the PTP and thread paper tape through both the punch mechanism and the printer interpreter (para 2-4). Upon completion of the tape loading

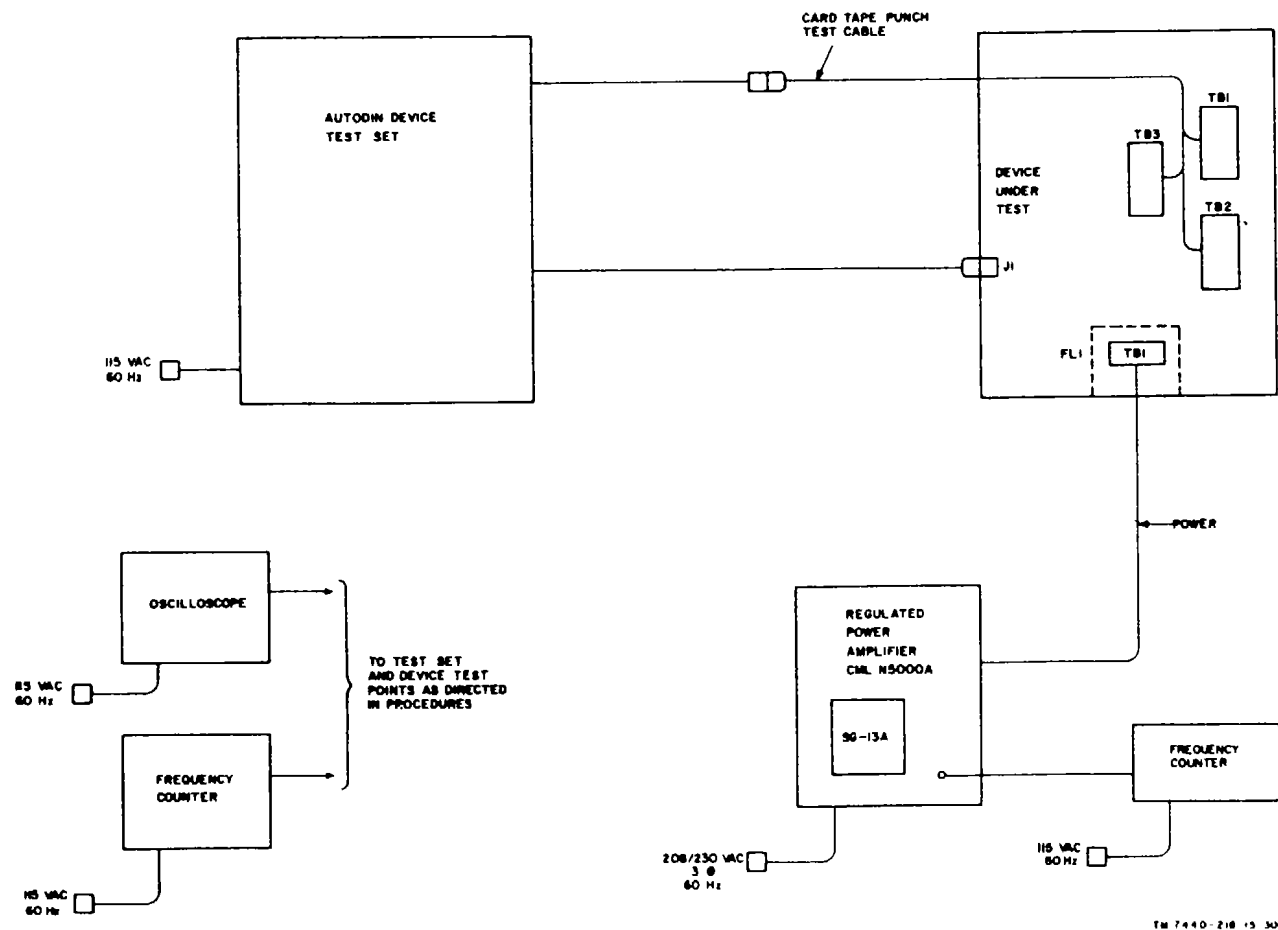


Figure 6-1. Test setup.

operation, press the AC POWER switch to turn off the low speed paper tape punch.

(18) Remove the two 16 VAC LAMP fuses from the PTP power supply.

(19) Press the AC POWER switch on the PTP and verify the following results:

(a) Low speed paper tape punch DC POWER indicator lights, but all other switches and indicators are extinguished.

(b) Punch mechanism drive motor is operating.

(c) Printer interpreter drive motor is operating.

(d) Blowers B1 and B3 in PTP cabinet are operating.

(e) Verify that the punch mechanism punched five local test (all-holes) characters in the paper tape. To observe, momentarily press the FEED OUT switch.

(20) Press the paper tape punch AC POWER switch and replace the 15 VAC LAMP fuses.

(21) Remove the 120 VAC 10 A DRIVE MOT fuse from the PTP power supply.

(22) Press the AC POWER switch on the PTP and verify the following:

(a) AC POWER switch, STOP switch, DC POWER, NOT ASSIGNED, and WIDE indicators are lighted.

(b) Blowers B1 and B3 in PTP cabinet are operating.

(c) Printer interpreter drive motor is operating.

(d) Punch mechanism drive motor is not operating.

(23) Press the AC POWER switch and replace the DRIVE MOT fuse.

(24) Remove the 120 VAC 3 A FAN fuse from the PTP power supply.

(25) Press AC POWER switch and verify the following:

(a) AC POWER switch, STOP switch, DC POWER, NOT ASSIGNED, and WIDE indicators are lighted.

(b) Punch mechanism drive motor is operating.

(c) Printer interpreter motor is operating.

(d) Blowers B1 and B3 in PTP cabinet are not operating.

(e) Five local test (all-holes) characters punched on tape.

(26) Press AC POWER switch and replace the FAN fuse.

(27) Remove the 120 VAC 10 A VR1 fuse from the PTP power supply.

(28) Press the AC POWER switch and verify the following:

(a) AC POWER switch, STOP switch, DC POWER, NOT ASSIGNED, and WIDE indicators are lighted.

(b) Punch mechanism drive motor is operating.

(c) Blowers B1 and B3 in PTP cabinet are operating.

(d) Printer interpreter drive motor is not operating.

(e) Five local test (all-holes) characters punched on tape.

(29) Press the AC POWER switch and replace the VR1 fuse.

(30) Remove the 120 VAC PWR SUP INPUT fuse from the PTP power supply.

(31) Press the AC POWER switch on the PTP and verify the following:

(a) No switches or indicators on the PTP are lighted.

(b) Punch mechanism drive motor is not operating.

(c) Printer interpreter drive motor is not operating.

(d) Blowers B1 and B3 in PTP cabinet are not operating.

(32) Replace the PWR SUP INPUT fuse and remove the +4.75 V fuse.

NOTE
Following depression of the AC POWER switch (step (33)), the drive motors may run and the blower may operate, and switches and indicators may light momentarily until the power supply shuts off. The conditions of step (33) (a) through (d) should be observed within 7 seconds after the AC POWER switch is pressed.

(33) Press the AC POWER switch on the PTP and observe the following:

(a) No switches or indicators on the PTP are lighted.

(b) Punch mechanism drive motor is not operating.

(c) Printer interpreter drive motor is not operating.

(d) Blowers B1 and B3 in PTP cabinet are not operating.

(34) Replace the +4.75 V fuse in the power supply.

(35) Remove the +12 V, -12 V, and -48 V fuses from the power supply, one at a time, repeating procedures given in (3) above each time.

(36) With all fuses installed in the power supply, press the AC POWER switch. Verify the following:

(a) AC POWER switch lights white.

(b) DC POWER indicator lights white.

(c) Both STOP switches light red.

(d) PRINT INDEPENDENT indicator is extinguished.

(e) NOT ASSIGNED indicator lights amber.

(f) Punch mechanism drive motor is operating.

(g) Printer interpreter drive motor is operating.

(h) Blowers B1 and B3 in the PTP cabinet are operating.

(i) Elapsed time meter located on the motor stop assembly on some units is running (small indicator on the face of the time meter should be rotating).

(j) Five local test (all-holes) characters were punched in the paper tape.

(37) Extend the logic assembly from the PTP cabinet and connect the input of the frequency counter to XA3-11. Adjust the frequency counter to measure a frequency of 4.8 KHz. Frequency should be 4.8 KHz ±1.0 percent (refer to adjustment para 4-142).

(38) Remove test leads and return logic assembly to closed position.

(39) Set the WIDE - NARROW switch to WIDE.

b. *Lamp Test.* Press the LAMP TEST switch on the control panel of the PTP and verify that the following indicators light:

Switch/indicator	Color
PRINT FAIL.....	Red
SLACK TAPE.....	Amber
TIGHT TAPE.....	Red
START (printer-interpreter).....	White-green
STOP (printer-interpreter).....	Red
NOT ASSIGNED.....	Amber
LOW TAPE.....	Amber
TAPE OUT.....	Red
MOTION FAIL.....	Red
PUNCH ERROR.....	Red
PARITY ERROR.....	Red
PUNCH FUSE.....	Red
START (punch).....	White-green
STOP (punch).....	Red
LOCAL TEST.....	Amber
PRINT INDEPENDENT.....	Amber

NOTE
The AC POWER and DC POWER indicators will remain white during the test. They are not tested by the LAMP TEST pushbutton switch.

c. *Local Operation.*
(1) *Reset function.*

(a) Press the START switch on the PTP and verify the following:

1. START switch lights green.

2. Punch mechanism drive motor stops operating.

3. Printer interpreter drive motor stops operating.

4. On PTP units having an elapsed time meter, the elapsed time meter stops operating within 30 seconds.

(b) Press RESET switch on PTP logic assembly A1 front panel and verify the following:

1. START switch extinguishes.

2. STOP switch lights red.

3. Punch mechanism drive motor is operating.

4. Printer interpreter drive motor is operating.

5. Elapsed time meter is operating (on equipment with meter installed).

NOTE
Whenever stated in following procedures that the punch mechanism drive motor is operating, the elapsed time meter should also be operating. Whenever stated drive motor is not operating, the time meter should stop within 30 seconds. NOTE Operation of the punch mechanism and printer interpreter drive motors is not indicated in each of the following steps. Whenever the MOTOR STOP CONTROL CONTINUOUS-AUTOMATIC switch is set to CONTINUOUS, or MOTOR STOP CONTROL OVERRIDE PUNCH or OVERRIDE PI switches are ON, the respective drive motors should continuously run. With the OVERRIDE switches OFF and the CONTINUOUS-AUTOMATIC switch set to the AUTOMATIC, the drive motors should stop operating within 7 to 10 seconds maximum after the START indicator changes from a white to green illumination. With the switches in positions indicated above, the drive motors should operate when the START indicator is lighted white or whenever the STOP, FEED OUT, or LOCAL TEST switches are lighted (para 2-10).

(c) Press RESET switch on PTP logic assembly A1 front panel and LOGIC RESET switch on test set.

(d) Press START switch on PTP and set the ASSIGNMENT switch on the test set to ASSIGNED.

shown in figure 6-3. Repetition period should be not more than 7.056 seconds.

(c) Press the PTP STOP switch. Press the PRINT INDEPENDENT switch so that the switch lights. Press the START switch and verify that the frequency counter indicates a period of not more than 1.764 seconds.

(d) Press the PTP STOP and PRINT INDEPENDENT switches so that the STOP switch lights and the PRINT INDEPENDENT switch extinguishes.

(e) Connect frequency counter and channel "A" input of oscilloscope to the DR (data request) test point on the test set. Press the START switch on the PTP and the test set. Verify that the pulse displayed has the parameters shown on figure 6-3. Pulse should occur at intervals of 52.8 to 53.86 milliseconds.

(f) Press the STOP switch on the PTP. Position the test set MODE switch to MAN and the CHARACTER BITS switches as follows:

Switch:	1	2	3	4	5	6	7	P
Position:	1	1	1	1	1	1	1	0

(g) Press the PTP START switch. Connect channel "A" input of the oscilloscope to each test set DATA BITS test points 1 through 7 and verify that the pulse at each test point goes from -6.0 ± 1.0 VDC to $+6.0 \pm 1.0$ VDC. Connect the oscilloscope to DATA BITS P test point and verify a -6.0 ± 1.0 VDC level.

(h) Press the PTP STOP switch and set all test set CHARACTER BITS switches to 0 and the P switch to 1.

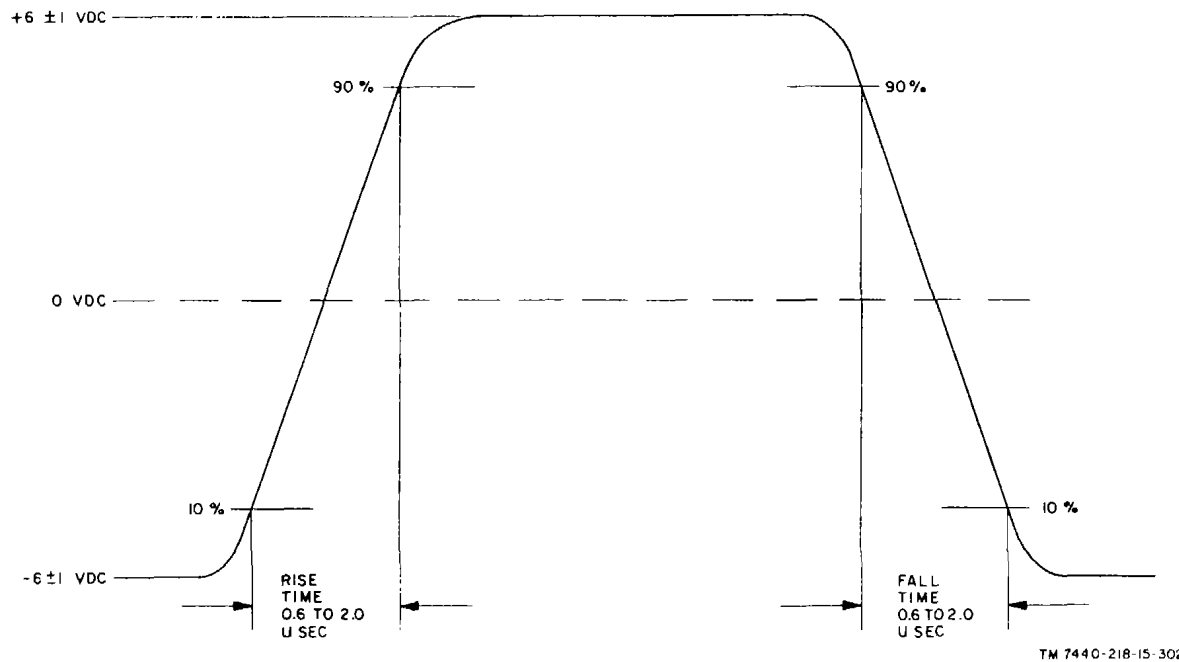


Figure 6-3: Polar waveform.

(i) Press PTP START switch. Connect channel "A" input of oscilloscope to DATA BITS test points 1 through 7 and verify a -6.0 ± 1.0 VDC level. Connect the oscilloscope to DATA BITS P test point and verify a pulse that goes from -6.0 ± 1.0 VDC to $+6.0 \pm 1.0$ VDC.

(j) Press STOP switch on PTP.

(3) *Tape notching.*

(a) Position the test set CHARACTER BITS switches 1 through 7 to "1" and switch P to 0

(b) Press the START switch on the PTP. Verify that all eight bit channels are being punched and no notching occurs.

(c) Set test set CHARACTER BITS P switch to "1." Verify that ALM STOP and AUD ALM indicators. at test set light, perforator stops punching, and PARITY ERROR and STOP indicators on PTP light.

(d) Press the FEED OUT switch on the PTP and visually examine the punched tape. Verify that bits 1 through 7 are punched, and the tape is edge notched on the following character position .

(e) Set CHARACTER BITS P switch to "0" and press START switch on PTP. Verify that STOP and PARITY ERROR lamps on PTP extinguish, and punching resumes.

(f) Press PTP STOP switch. Set test set CHARACTER BITS switch 7 to "0" and press START switch on PTP three times., Each time the switch is pressed, verify that ALM STOP and AUD ALM indicators on test set light,

PARITY ERROR and STOP indicators on PTP light, and punching does not continue.

(g) Return CHARACTER BITS switch 7 to "1" and press FEED OUT switch on PTP. Visually check tape to verify that all channels, except channel 7, are punched, and notching occurs on the following character position.

(h) Repeat steps (f) and (g) above for each of CHARACTER BITS switches 6 through 1.

(i) Press the STOP and PRINT INDEPENDENT switches on the PTP. Set the test set MODE switch to AUTO and the ASSIGNMENT switch to NOT ASSIGNED. Thread the paper tape through the mechanism to bypass the printer interpreter.

(j) Press the LOGIC RESET switch on the test set and the RESET switch on the front of PTP logic assembly A1.

(k) Set the ASSIGNMENT switch on the test set to ASSIGNED and press the START switches on the PTP and test set.

(l) Allow tape to be punched for approximately one-half minute; then press the PTP STOP switch. Remove the processed tape and, using the tape gauge, verify the hole-to-hole spacing is not excessive (para 4-104).

(4) *Tape feed at end-of-message.*

NOTE

End-of-message (EOM) is recognized by the low speed paper tape punch by the detection of two successive data control pulses and not by the characters being received or punched.

(a) Set ASSIGNMENT switch on test set to NOT ASSIGNED a, and set CYCLE switch to SING. Set MODE switch to MAN.

(b) Press the RESET switch on PTP logic assembly A1 and press the LOGIC RESET switch on the test set. Position the ASSIGNMENT switch to ASSIGNED.

(c) Connect oscilloscope channel "A" input to DA CONT test point on test set.

(d) Press the START switch at the PTP. Press the EOM and START switches at the test set. Verify that oscilloscope displays $+6.0 \pm 1.0$ VDC pulse (from -6.0 ± 1.0 VDC level) when EOM occurs.

(e) Verify that the PTP punches a single block of data, feeds 6 inches of tape, and stops with the START switch illuminated green,

(f) Rotate TAPE FEED INCHES switch on PTP logic assembly A1 front panel to 8.

(g) Press the EOM and START switches on

test set and verify the following:

1. PTP punches a single block of data.
2. PTP feeds 8 inches of tape after punching.

punching.

3. START switches light white during punching and change to green after the block of data was punched.

4. Punch mechanism and printer interpreter drive motors stop operating after 7 to 10 seconds from the time the START switches change to green.

(h) Repeat steps (e) and (f) above for each of the remaining positions of the TAPE FEED INCHES switch. Verify that the length of tape fed after EOM corresponds to the setting of the TAPE FEED INCHES switch. Also verify that each time the punch mechanism drive motor starts operating, five local test (all-hole) characters are punched in the paper tape.

(i) Press the PTP STOP switch. Leave TAPE FEED INCHES switch at 18. Position the MODE switch on the test set to AUTO and the CYCLE switch to CONT.

(j) Press the START switch on the PTP. Press the EOM and START switches on the test set. Allow several blocks of data to be punched on the paper tape and then press the PTP STOP switch. Verify the following:

1. PTP feeds 18 inches of tape at the end-of-message which is between the first two blocks of data.

2. The punch mechanism and printer drive motors do not stop operating either during the punching operation or after the PTP STOP switch was pressed.

3. Five local test (all-holes) characters were punched on paper tape at the beginning of the first block only.

(k) Place TAPE FEED INCHES switch to 6.

(l) Set MOTOR STOP CONTROL CONTINUOUS/AUTOMATIC switch to CONTINUOUS. This will allow the punch mechanism and printer interpreter drive motors to continuously operate.

(5) *Punching rate.*

(a) Connect frequency counter input to DR test point on test set.

(b) Press the test set and PTP START switches and verify that the frequency counter indicates $53.3 \text{ msec} \pm 1.0$ percent. Press PTP STOP switch.

(c) Press PRINT INDEPENDENT switch so that PRINT INDEPENDENT lamp lights. Press PTP START switch and verify that frequency counter indicates $13.3 \text{ msec} \pm 1.0$

- percent. Press PTP STOP switch.
- (d) Disconnect frequency counter.
 - (6) *Punching of ITA No. 2 code on one-inch tape.*
 - (a) Press PTP AC POWER switch to shut off power.
 - (b) Place CODE SELECT switch on PTP logic assembly A1 front panel to ITA No. 2 position.
 - (c) Replace printer interpreter ASCII code wheel, part number 30551A, with ITA No. 2 code wheel, part number 30442A.
 - (d) Press AC POWER switch on PTP to apply power.
 - (e) Press LOGIC RESET switch on the test set and set MODE switch to AUTO.
 - (f) Press START switch on test set and then the START switch on the PTP. Allow the perforator to run for approximately one-half minute. If necessary, rephase the printer interpreter for proper printing (para 4-122.)
 - (g) Press the PTP STOP switch and remove the processed tape. Verify that the punched information matches that of test tape "B" and the printed information matches that shown in figure 6-4.
 - (h) Position the test set MODE switch to MAN and the CHARACTER BITS switches as follows:
Switch: 1 2 3 4 5 6 7 P
Position: 1 1 1 1 0 0 0 1
 - (i) Press START switch on PTP and verify that channels 2, 3, 4, 5, and 6 (fig. 6-5) are being punched and no notching occurs.
 - (j) Set test set CHARACTER BITS switch P to "0". Verify that channels 2, 3, 4, 5, and 6 are punched, the PARITY ERROR and STOP indicators on the PTP light, and the tape is edge notched on the following character. (Press FEED OUT switch as necessary to advance tape for inspection.)

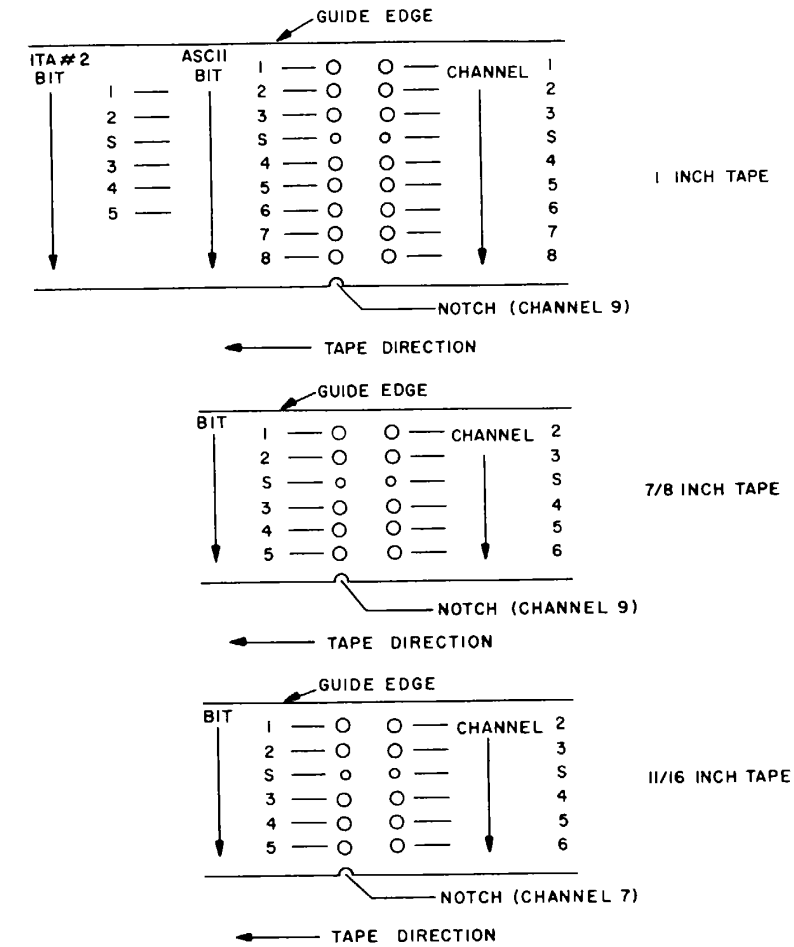
	!	"	#	\$		%	'	(	0		,	-	.	/		
0	1	2	3	4	5	6	7	8	9	:	;					?
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	
0	P	Q	R	S	T	U	V	W	X	Y	Z					

NOTE: FIRST BLOCK OF TESTS MAY PRINT LETTERS ONLY, DEPENDING ON THE LAST STATE OF THE PRINTER INTERPRETER.

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Figure 6-4. ITA No. 2 printing sequence.

- (7) *Punching of ITA No. 2 code on seven-eighths inch wide tape*
 - (a) Load a spool of 7/8-inch wide tape on the PTP and feed through the printer interpreter (para 2-4).
 - (b) Position the test set MODE switch to AUTO and the ASSIGNMENT switch to NOT ASSIGNED.
 - (c) Press RESET switch on PTP logic assembly AI front panel and press LOGIC RESET on test set. Set ASSIGNMENT switch to ASSIGNED.
 - (d) Press the START switches on the PTP and test set. After approximately 15 seconds, press the STOP switch on the PTP. The PTP should stop.
 - (e) Press FEED OUT switch and feed out approximately 6 feet of blank tape.
 - (f) Remove the processed tape from the PTP and visually verify that the punched information matches that of test tape "B" and the printed information matches that shown in figure 6-4.
 - (g) Position the test set MODE switch to MAN and the CHARACTER BITS switches as follows:
Switch: 1 2 3 4 5 6 7 P
Position: 1 1 1 1 0 0 0 1
 - (h) Press the START switch on the PTP and verify that channels 2, 3, 4, and 6 (fig. 6-5) are being punched and no notching occurs.
 - (i) Set test set CHARACTER BITS switch P to "0." Verify that channels 2, 3, 4, 5, and 6 are punched, the PARITY ERROR and STOP indicators on the PTP light, and the tape is edge notched on the following character. (Press FEED OUT switch as necessary to advance tape for inspection.)
- (8) *Punching of ITA No. 2 code on eleven-sixteenths inch wide tape*
 - (a) Load a spool of 11/16-inch wide tape



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Figure 6-5. Channel positions on tape.

- (b) Repeat procedures given in (7)(b) through (i) above.
- e. *Alarm Conditions.*
 - (1) Parity error. For convenience of test, this condition has been tested in d (6), (7), and (8) above.
 - (2) Low tape, out-of-tape, and motion fail.
 - (a) Load a spool of approximately 50 feet of 1-inch wide tape in the PTP.
 - (b) Position the test set MODE switch to AUTO and set the ASSIGNMENT switch to NOT ASSIGNED.
 - (c) Press RESET switch on front of logic assembly AI and press LOGIC RESET switch on test set. Set the ASSIGNMENT switch to ASSIGNED.

- (d) Connect oscilloscope channel "A" input to ALM STP test point on the test set and verify a 0.5 ± 0.5 VDC level present.
- (e) Reset the timer and press the START switches on the test set and low speed paper tape punch.
- (f) When the PTP LOW TAPE lamp lights, start the timer. When the PTP MOTION FAIL and STOP indicators light, stop the timer. Verify the following results:
 1. The PTP stops immediately after the supply reel is out of tape.
 2. The OP ALM and ALM STOP lamps on the test set light.
 3. The LOW TAPE indicator on the PTP lights.
 4. The MOTION FAIL and STOP lamps on the PTP light.

5. The timer reads between 2 and 4 minutes

6. Oscilloscope indicates 6.0 ± 1.0 VDC.

(g) Tear the tape between the supply reel and the out-of-tape sensor on the perforator. Set ASSIGNMENT switch to NOT ASSIGNED, press the RESET switch on logic assembly A1 front panel, and press LOGIC RESET on test set.

(h) Set ASSIGNMENT switch to ASSIGNED and press the START switches on the test set and PTP. Verify the perforator starts and operates until the tape end passes the out-of-tape sensor, then verify the following:

1. PTP stops immediately after tape end passes out-of-tape sensor.
2. TAPE OUT and STOP indicators on PTP light.
3. AUD ALM and ALM STOP lamps on test set light.
4. RDY indicator on test set is extinguished.

(i) Connect channel "A" of oscilloscope to the AUD RES test point on the test set. Adjust oscilloscope controls to view a 5-usec wide negative going pulse. Use the pulse being viewed as an external trigger.

(j) Press the AUDIBLE RESET switch on the PTP. Verify that the AUD ALM lamp on the test set goes out. Press the AUDIBLE RESET switch as necessary to verify that the audible reset pulse is 5 usec minimum in duration, with an amplitude of 6.0 ± 1.0 VDC at its high level (starting and ending level) and 0.5 ± 0.5 VDC at its low level during the pulse time.

(3) *Printer fail.*

(a) Load a spool of 1-inch wide tape on the PTP. Thread the tape so that it bypasses the printer interpreter. Fasten the tight tape/slack tape sensor so that it will not cause an alarm fault.

(b) Thread a 6-foot length of paper tape with sprocket holes punched through the printer interpreter.

(c) Press the START switch on the PTP and verify the following:

1. PTP starts and then stops immediately when the printer interpreter runs out of tape.
2. PRINT FAIL and STOP lamps on the PTP light.
3. ALM STOP and AUD ALM lamps on test set light.

(d) Press the PRINT INDEPENDENT switch to light the PRINT INDEPENDENT indicator. Press the perforator START switch and verify that the perforator operates, but not the printer interpreter.

(e) Press the PTP STOP switch and the PRINT INDEPENDENT switch so that PRINT INDEPENDENT indicator extinguishes.

(f) Thread tape through the perforator and printer interpreter in the normal operating manner.

(g) Place a blown grasshopper fuse in the F1 position of the printer interpreter front panel and verify that the PRINT FAIL lamp lights.

(h) Press the PTP START switch and verify the PTP does not function.

(i) Replace F1 and place the blown grasshopper fuse in the F2 position in the printer interpreter front panel.

(j) Press PTP START switch and verify that PRINT FAIL lamp stays lit and PTP does not function.

(k) Remove the blown fuse and replace F2.

(4) *Slack tape/tight tape.*

(a) Connect oscilloscope channel A input to OP ALM test point on the test set and verify a voltage level of 0.5 ± 0.5 VDC.

(b) Press the START switch on the PTP. While the punch is running, move the slack tape/tight tape lever to the tight tape position and verify the following:

1. Punch mechanism stops.
2. TIGHT TAPE and STOP indicators on PTP light.
3. ALM STOP and AUD ALM indicators on test set light.
4. RDY indicator on test set extinguishes.

(c) Slip the tape off the slack tape/tight tape lever and press the PTP START switch. Observe that the SLACK TAPE indicator on the PTP, and the OP ALM indicator on the test set light, but tape continues to be processed.

(d) Verify that oscilloscope indicates $\pm 6.0 \pm 1.0$ VDC.

(e) Press STOP switch on PTP. Position the slack tape/tight tape lever back to the tight tape position and reinsert the tape.

(f) Press the PRINT INDEPENDENT switch so that PRINT INDEPENDENT indicators lights. Press the PTP START switch and the printer interpreter START switch.

(g) While the tape is running, position the slack tape/tight tape lever in the tight tape position. Verify that the perforator continues operating but the PI stops feeding tape. Also verify that the TIGHT TAPE indicator lights.

(h) Position the slack tape/tight tape lever to the slack tape position, and verify that the printer interpreter resumes feeding tape and the TIGHT TAPE indicator extinguishes.

(i) Press STOP switch on PTP.

(5) *EOM with low tape condition.*

(a) Pull a length of tape from the supply reel and pull supply reel forward so that the LOW TAPE indicator on the PTP lights.

(b) Press the EOM switch on the test set and the START switches on the PTP and test set. Verify that the TAPE OUT indicator lights and 6 inches of tape is fed out at the end of the punched data on the tape.

(c) Replace the supply reel. Verify the TAPE OUT lamp on the PTP remains on, both STOP lamps are on, and the ALM STOP indicator on the test set is on.

(6) *Cancel.*

(a) Position the test set CYCLE switch to SING and press the test set LOGIC RESET switch.

(b) Press the PTP START switch.

(c) Connect channel "A" input of the oscilloscope to CNCL test point on the test set and verify a voltage reading of -6.0 ± 1.0 VDC.

(d) On the test set, press and hold the CNCL pushbutton and press the START switch.

(e) Verify that a pulse is displayed having a most positive voltage level of $+6.0 \pm 1.0$ VDC and a most negative level of -6.0 ± 1.0 VDC.

(f) Also verify that the PTP stops after feeding 6 inches of tape following the notches on the tape, three consecutive notches have been punched in the outer edge of the tape, and both the perforator and printer interpreter START switches are green.

(g) Pull a length of tape from the supply reel and pull the supply reel forward so that the LOW TAPE indicator lights.

(h) On the test set, press and hold the CNCL pushbutton and press the START switch.

(i) Verify the following:

1. LOW TAPE, TAPE OUT, and STOP indicators on PTP light.
2. ALM STOP and OP ALM indicators on test set light.
3. RDY lamp on test set is extinguished.
4. Tape is edge notched three times.

(j) Return the supply reel to the operating position.

(7) *Punching error-ITA No. 2 mode.*

(a) Press PRINT INDEPENDENT switch on PTP to extinguish lamp. Pull printer interpreter and perforator on their slides and thread tape so that it does not go to takeup reel.

(b) Position the test set MODE switch to MAN and the CHARACTER BITS switches as follows:

Switch:	1	2	3	4	5	6	7	P
Position:	1	1	1	1	0	0	0	1

(c) Press the START switches on the PTP and test set. Verify that channels 2, 3, 4, 5 and 6 are being punched and no notching occurs.

NOTE

To observe punched data following tests, press FEED OUT switch.

(d) Remove the bit 2 punch solenoid fuse F2 from the PTP (located on the punch driver shelf assembly, fig. 4-14). Verify the following:

1. PUNCH ERROR and STOP indicators on PTP light.
2. Tape is error notched.
3. Channel 2 is not punched.

(e) Replace bit 2 punch solenoid fuse and press the START switches on the PTP and test set.

(f) Remove the bit 3 punch solenoid fuse and verify that the indications of step (d) above are obtained, except channel 3 is not punched.

(g) Repeat steps (e) and (f) above for bit 4, 5, and 6 punch solenoid fuses; check to see that error indications of step (d) above are obtained and appropriate channel is not punched.

(8) *Punching error-ASCII mode.*

(a) Press AC POWER switch on PTP to turn off power.

(b) Place CODE SELECT switch on front of PTP logic assembly A1 to ASCII.

(c) Replace printer interpreter ITA No. 2 code wheel part number 30442A with ASCII code wheel, part number 30551A.

(d) Press AC POWER switch on PTP to restore power.

(e) Press LOGIC RESET switch on test set and set CHARACTER BITS switches as follows:

Switch:	1	2	3	4	5	6	7	P
Position:	1	1	1	1	1	1	1	0

(f) Press the START switches on the PTP and test set. Verify that all eight channels are being punched and no notching occurs.

(g) Remove the bit 1 punch solenoid fuse F1. Verify the following:

1. PUNCH ERROR and STOP indicators on PTP light.
2. ALM STOP lamp on test set lights.
3. Tape is edge notched.
4. Channel 1 is not punched.

(h) Replace bit 1 punch solenoid fuse and

press the START switches on the PTP and test set.

(i) Remove bit 2 punch solenoid fuse F2 and verify that the indications of step (g) above are obtained, except that channel 2 is not punched.

(j) Repeat steps (h) and (i) above for bit 3, 4, 5, 6, 7, and 8 punch solenoid fuses; check to see that error indications of step (g) above are obtained and appropriate channel is not punched.

(h) Replace the bit 8 punch solenoid fuse F8, press the START switches and remove the sprocket punch solenoid fuse F9. Verify that error indications of step (g) above are obtained and sprocket holes are not punched in the tape.

(l) Replace sprocket punch solenoid fuse.

(m) Place ASSIGNMENT switch on test set to NOT ASSIGNED.

(n) Press RESET switch on PTP logic assembly AI and LOGIC RESET switch on test set. Return ASSIGNMENT switch to ASSIGNED.

(o) Remove bit 1 punch solenoid fuse F1 and press START switch on PTP. Verify that RDY lamp on test set and START switch on PTP light green.

(p) Insert a blown fuse in FI position. Verify that PUNCH FUSE and STOP indicators on perforator and printer interpreter light. Also verify that RDY lamp on test set extinguishes ALM STOP lamp lights.

(q) Press START switch on PTP and test set and verify that PUNCH FUSE and STOP indicators on PTP and ALM STOP indicator on test set remain on. Punch should not start processing tape.

(r) Replace fuse FI with serviceable fuse.

6-7. Operational Tests-Variable Voltage and Frequency

a. *Preliminary Procedure.* Position the switches on the test set as follows:

- (1) 115 VAC circuit breaker to OFF.
- (2) ASSIGNMENT to ASSIGNED.
- (3) MODE to AUTO.
- (4) DEVICE SELECT to TP.
- (5) CYCLE to CONT.
- (6) PUNCH CONTROL:
 - (a) LS/HS SELECT to LS.
 - (b) PARITY to GOOD.
 - (c) INPUT SEL to CCU.
 - (d) UK INTERLOCK to OFF.

b. *Operation with Static Variations of Frequencies and Voltages (50 Hertz).*

(1) Convert the low speed paper tape punch for 50-Hertz operation by performing the instructions for 50-Hertz conversion in TM 11-7440-239-15/NAVSHIPS 0967-324-0010/TO 31W4-4-1-111.

(2) Position variable frequency and voltage controls on CML N5000A to the first (132 VAC, 50 CPS) position indicated on the chart below (positions indicated by an "X").

Test -voltage (VAC)	Test frequency (CPS)		
	47.5	50	52.5
132	X	X	X
120		X	
96		X	

(3) Connect channel "A" input of oscilloscope and input of counter to DR test point on test set.

(4) Press START switch on PTP and START switch on test set. Allow the tape to be processed for 15 seconds while observing oscilloscope and frequency counter. Oscilloscope should display waveform of figure 6-3 and frequency counter should indicate 53.3 msec ±1.0 percent.

(5) After 15 seconds, press STOP switch on PTP. Mark the tape to indicate the test conditions.

(6) Place variable frequency and voltage controls to the next position indicated in the chart of step (2) above and press low speed paper tape punch START switch and test set START switch.

(7) Allow tape to be processed for 15 seconds while observing frequency counter. Frequency counter should indicate 53.3 msec ± 1.0 percent.

(8) Repeat steps (5), (6) and (7) above for remaining settings of voltage and frequency in the chart of step (2) above.

(9) Randomly select at least five blocks of data from each section of tape and verify the punched accuracy by comparing them with the standard prepunched tape. Compare printing accuracy of one block of data from each section by comparison to the standard prepunched tape.

(10) Perform a critical dimensions check (h below).

c. *Dynamic Variable Voltage at 50 Hertz.*

(1) Adjust the variable voltage and frequency source for 50 Hertz and 120 VAC.

(2) Press the START switch on the PTP.

(3) Press the test set START switch. The PTP will start processing tape.

(4) Vary the OUTPUT LEVEL adjust on the CML N5000A from a nominal 120 VAC to minimum of 96 VAC, then to a maximum of 132 VAC, and return to 120 VAC. This cycle should be completed in not less than 45 seconds nor more than 90 seconds.

(5) At the end of the cycle, press the PTP STOP switch. Verify that frequency counter indicates 53.3 msec ±1.0 percent.

(6) Randomly select at least five blocks of data from the tape and verify the punched accuracy by comparison to the standard prepunched tape. Compare printing accuracy of one block of data from the tape by comparison with the standard prepunched tape.

(7) Perform critical dimensions check (h below).

d. *Dynamic Variable Frequency at 120 VAC (50 Hertz).*

(1) Press the low speed paper tape punch START switch.

(2) Press the START switch on the test set. The PTP should start processing tape.

(3) Vary the FREQUENCY CPS adjust on the CML N5000A from a nominal 50 CPS to a minimum 47.5 CPS, then to a maximum 52.5 CPS, and return to 50 CPS. This cycle should be completed in not less than 30 seconds nor more than 60 seconds.

(4) At end of cycle, press the PTP STOP switch. Verify that frequency counter indicates 53.3 msec±1.0 percent.

(5) Randomly select at least five blocks of data from the tape and verify the punched code accuracy by comparison to the standard prepunched tape. Compare printing accuracy of one block of data from the tape by comparison with the standard prepunched tape.

(6) Perform a critical dimensions check (h below).

e. *Operation with Static Variations of Frequencies and Voltages (60 Hertz).*

(1) Convert the low speed paper tape punch for 60-Hertz operation by reversing the instructions for 50-Hertz conversion in TM 11-7440-239-15/NAVSHIPS 0967-324-0110/ TO 31W4-4-1-111.

(2) Position variable frequency and voltage controls on CML N5000A to the first (132 VAC, 60 CPS) position indicated on the chart below (positions indicated by an "X").

Test voltage (VAC)	Test frequency (CPS)		
	57	60	63
132		X	
120	X	X	X
96		X	

(3) Connect channel A input of oscilloscope, and input of frequency counter, to DR test point on test set.

(4) Press START switch on PTP and START switch on test set. Allow the tape to be processed for 15 seconds while observing oscilloscope and frequency counter. Oscilloscope should display waveform of figure

6-3 and frequency counter should indicate 53.3 msec±1.0 percent.

(5) After 15 seconds, press STOP switch on PTP. Mark the tape to indicate the test conditions.

(6) Place variable frequency and voltage controls to the next position indicated in the chart of step (2) above and press low speed paper tape punch START switch and test set START switch.

(7) Allow tape to be processed for 15 seconds while observing frequency counter. Frequency counter should indicate 53.3 msec ±1.0 percent.

(8) Repeat steps (5), (6) and (7) above for remaining settings of voltage and frequency in the chart of step (2) above.

(9) Randomly select at least five blocks of data from each section of tape and verify the punched accuracy by comparing them with the standard prepunched tape. Compare printing accuracy of one block of data from each section by comparison to the standard prepunched tape.

(10) Perform a critical dimensions check (h below).

f. *Dynamic Variable Voltage at 60 Hertz.*

(1) Adjust the variable voltage and frequency source for 60 Hertz and 120 VAC.

(2) Press the START switch on the PTP.

(3) Press the test set START switch. The PTP will start processing tape.

(4) Vary the OUTPUT LEVEL adjust on the CML N5000A from a nominal 120 VAC to minimum of 96 VAC, then to a maximum of 132 VAC, and return to 120 VAC. This cycle should be completed in not less than 45 seconds nor more than 90 seconds.

(5) At the end of the cycle, press the PTP STOP switch. Verify that frequency counter indicates 53.3 msec ±1.0 percent.

(6) Randomly select at least five blocks of data from the tape and verify the punched accuracy by comparison to the standard prepunched tape. Compare printing accuracy of one block of data from the tape by comparison with the standard prepunched tape.

(7) Perform a critical dimensions check (h below).

g. *Dynamic Variable Frequency at 12° VEC (60 Hertz).*

(1) Press the low speed paper tape punch START switch.

(2) Press the START switch on the test set. The PTP should start processing tape.

(3) Vary the FREQUENCY CPS adjust on the CML N5000A from a nominal 60 CPS to a minimum 57 CPS, then to a maximum 63 CPS, and return to 60 CPS. This cycle should be completed in not less than 30 seconds nor more than 60 seconds.

(4) At end of cycle, press the PTP STOP switch. Verify that frequency counter indicates 53.3 msec \pm 1.0 percent.

(5) Randomly select at least five blocks of data from the tape and verify the punched code accuracy by comparison to the standard prepunched tape. Compare printing accuracy of one block of data from the tape by comparison with the standard prepunched tape.

(6) Perform a critical dimensions check (h below).

h. Tape Critical Dimensions.

NOTE

Tape should be inspected under same environmental conditions of temperature and humidity as it was punched under, and as soon after punching as possible.

(1) Select a 6-inch section of tape for each of the static voltage-frequency combinations (b and e above), and three 6-inch sections for each of the dynamic voltage and frequency combinations (c, d, f, and g above) for the tests.

(2) Inspect printing on the tape for legibility, excess inking, embossment, or distortion (para 4-137 and 4138). Also inspect tape to verify that character is printed between sprocket holes four and one-half character intervals ahead of punch position (para 4-127 and 4-128).

(3) Using an optical comparator or similar method, inspect tape for compliance with tape dimensions, hole spacing, and hole sizes as given in figure 4-50.

6-8. Keypunch Operation

a. Punch Operation.

(1) Press AC POWER switch on PTP to turn off power. Make sure that ASCII code wheel is installed on printer interpreter and CODE SELECT switch on front of logic assembly AI is in ASCII position.

(2) Load a reel of 1-inch tape and feed through printer interpreter.

(3) On test set, position the switches as follows:

- (a) INPUT SEL to KEYBOARD.
- (b) ASSIGNMENT to NOT ASSIGNED.
- (c) MODE to MAN.

(d) CYCLE to SING.

(e) UK INTERLOCK to OFF.

(4) Verify that the test set UK ENABLE indicator is lighted.

(5) On the PTP, position the MOTOR STOP CONTROL CONTINUOUS-AUTOMATIC switch to CONTINUOUS, and the MOTOR STOP CONTROL OVERRIDE PUNCH and OVERRIDE PI switches to OFF.

(6) At the PTP, press AC POWER switch and press WIDE/NARROW switch so that WIDE portion is lit. Press LOCAL TEST switch and verify that tape is processed with all channels punched and edge notching occurs.

(7) Press STOP switch at PTP. Place test set UK INTERLOCK switch to ON; then press LOCAL TEST switch on PTP. Verify that LOCAL TEST switch has no effect.

(8) Press the PTP STOP switch; verify that the PTP punch mechanism and printer interpreter drive motors are operating.

(9) Set the MOTOR STOP CONTROL CONTINUOUS-AUTOMATIC switch to AUTOMATIC, and the MOTOR STOP CONTROL OVERRIDE PUNCH and OVERRIDE PI switches to ON.

(10) Press the PTP START switch and verify that both drive motors continue to operate.

(11) Press the PTP STOP switch and verify that both drive motors continue to operate.

(12) Press LOGIC RESET switch on test set and set CHARACTER BITS switches 1 through 7 to "1" and P to "0."

(13) Press START switch on PTP and START switch on test set. Press and hold the DATA CONT pushbutton and press SING STEP switch once.

(14) Release DATA CONT switch and press SING STEP switch several times. Verify that each time SING STEP switch is pressed, all tape channels are punched and test set DATA REQ lamp lights.

(15) Set all test set CHARACTER BITS switches 1 through 7 to "0" and P to "1." Press the SING STEP switch several times and verify that each time the switch is pressed no bits are punched on the tape.

(16) Change CHARACTER BITS switches 1 through 7 to "1" and press SING STEP switch on test set. Verify that RDY and ALM STOP lamps on test set are on, the PTP PARITY ERROR and STOP indicators light, the tape is edge-notched, and a bad parity character is punched on the tape.

(17) Set CHARACTER BITS switch P to "0." Press the CNCL switch on the test set and verify that the

tape backspaces. This should also cause the STOP and PARITY ERROR lamps at the PTP to extinguish and the STOP switch to light white.

(18) Place the slack tape/tight tape lever to a slack tape position. Verify that the OP ALM indicator on the test set lights.

(19) Move the slack tape/tight tape lever to a tight tape position. Verify that the ALM STOP indicator at the test set lights.

b. Tape Feed at End-Of-Message.

NOTE

End of message (EOM) is recognized by the PTP by the detection of two successive data control pulses and not by the characters being received or punched.

(1) Press the START switch on the test set and press the SING STEP switch once.

(2) Press and hold the DATA CONT switch while the SING STEP switch is pressed two times. Verify the PTP feeds out 6 inches of tape after the second depression of the SING STEP switch.

c. Low Tape, Out-of-Tape, and Motion Fail Conditions with C-K.

(1) Position the test set MODE switch to AUTO and UK INTERLOCK switch to OFF.

(2) Press the RESET switch on front panel of logic assembly AI and press LOGIC RESET on test set.

(3) Position UK INTERLOCK switch to ON and press PTP START switch.

(4) Pull a length of tape from the supply reel and pull the supply reel forward so that the LOW TAPE indicator on the PTP lights. Verify that the OP ALM indicator on the test set lights.

(5) Replace the supply reel and manually stop the tape between the supply reel and the perforator. Press the START switch on the test set and press the SING STEP switch several times.

(6) After several depressions of the SING STEP switch with the tape held motionless, verify that the PTP MOTION FAIL and STOP lamps light, and test set ALM STOP lamp lights.

(7) Tear the tape between the supply reel and perforator out-of-tape sensor. On test set, press CNCL and START switches; then press SING STEP switch several times.

(8) When end of tape passes out-of-tape sensor, verify that PTP TAPE OUT and STOP indicators light, test set ALM STOP lamp lights, and test set RDY lamp extinguishes.

d. C-K Power On and Data Transmission from C-K.

(1) Press low speed paper tape punch AC POWER switch to turn off power.

(2) Position 115 VAC circuit breaker on test set to OFF.

(3) Position the CML N5000A HIGH VOLTAGE switch to OFF; then place the POWER switch to OFF.

(4) Remove connection between low speed paper tape punch and CML N5000A.

(5) Remove connections between low speed paper tape punch and test set.

(6) Connect a Control-Keyboard C-7185/ G(C-K) to the low speed paper tape punch.

(7) Set the C-K code selector switch at ASCII.

(8) Load a reel of 1-inch wide paper tape in the PTP and feed tape through printer interpreter.

(9) Press the PTP AC POWER switch.

(10) Press C-K POWER switch.

(11) Press the REJECT/BACKSPACE switch on the C-K. Verify that the low speed paper tape punch START switch lights white and green, and tape backspaces once.

(12) Press the keys for an A, B, D, H, P, and 2 on the C-K keyboard and verify that the tape is punched and printed correctly.

6-9. Shutdown

a. Press C-K POWER switch.

b. Press low speed paper tape punch AC POWER switch.

c. Disconnect Control-Keyboard C-7185/G from high speed paper tape punch.

d. Position the MOTOR STOP CONTROL OVERRIDE PUNCH and OVERRIDE PI switches to OFF.

6-10. Modification Procedures. AUTODIN Device Test Set

a. Materials Required. Prior to beginning modification, obtain the following parts and material, or equivalent:

Qty	FSN	Part number	Nomenclature
1 ea	59306551582	MS 35059-23	Toggle switch
25 ft		SM-C-546288-555	Wire, electrical
1 ea		PWH-4DD23-6 Burdny Corp.	Connector, printed circuit card.
2 ea	53050546652	MS51957-28	Screw, panhead No. 6-32, 3/8 in. lg.
2 ea	53106389857	AN96OC6L	Washer, flat, No. 6

Qty	FSN	Part number	Nomenclature
2 ea	53109296395	MS35338-136	Washer, lock, No.6
1 ea		5301902	Printed circuit card, General Dynamics. blank.
2 ea	59627911393	C-7091K	Integrated circuit, Signetics. type FF-1.
2 ea	59629111001	C-7088K	Integrated circuit, Signetics. type A1.
1 ea	59627910994	C-7580K	Integrated circuit, Signetics. type O1.
1 ea	59627911082	C-7090K	Integrated circuit, Signetics. type N1.
1 ea	59056816462	RC07GF102J	Resistor, 1K ohm
4 ea	59056837724	RC07GF242J	Resistor, 2.4K ohm
4 ea	59056837721	RC07GF101J	Resistor, 100 ohm
2 ea	59056824107	RC07GF181J	Resistor, 180 ohm
1 ea		RC07GF823J	Resistor, 82K ohm
1 ea	59056870002	RC07GF223J	Resistor, 22K ohm
2 ea		CM06BX107M	Capacitor, 100 uf
2 ea	59619262569	JAN2N491A	Transistor, uni-junction
2 ea	59610507499	JAN2N2219	Transistor, NPN

b. *Special Tools and Test Equipment Required.* With the exception of an electrical drill and a 1/2-inch drill bit, all tools and test equipment are contained in the AUTODIN tool kit.

c. *Assemble Motor Stop Control PC card C50.* Using the blank printed circuit card, wire, and electrical components listed in a above, assemble the motor stop control circuit card using the schematic contained in figure 6-6 as a guide.

d. *Install OVERRIDE-DELAY switch.*

(1) In the PUNCH CONTROL section of the control panel of the AUTODIN device test set, directly below the UK ENABLE indicator, drill a 1/2-inch hole in the front panel.

(2) Install the MS 35059-23 toggle switch in this hole.

(3) Mark the front panel to show up position as OVERRIDE and the down position as DELAY.

e. *Install Motor Stop Control Circuits.*

(1) Install new connector in printed circuit card slot C50 of the logic assembly using two No. 6-32 3/8 in. long panhead screws, lockwashers, and flatwashers.

(2) Connect ground to pins 1 and A of the new connector from a nearby connector.

(3) Connect a +5 VDC to pins 2 and B of the new connector from a nearby connector.

(4) Connect +12 VDC to Pin C of the new connector from a nearby +12 VDC source.

(5) Remove the wire from C45-21 to C27-C, D. (Leave the jumper between C27-C and C27-D.)

(6) Remove the wire from C45-21 to C34-18.

(7) Connect a wire from C50-5 to C45-21.

(8) Connect a wire from C50-10 to C30-AA.

(9) Connect a wire from C50-X to C29-10.

(10) Connect a wire from C50-2'0 to C45-23.

(11) Connect a wire from C50-8 to C34-18.

(12) Connect a wire from C50-8 to C27-C, D.

(13) Connect a wire from C45-22 to TB3-20 (when viewing the rear panel of the logic assembly from the front of the test set, TB3 terminal 20 is the top pin on the terminal board nearest the left side of the assembly).

(14) Connect a wire from the center terminal of the OVERRIDE/DELAY switch (installed in d above) to C50-15.

(15) Connect a wire from the top terminal of the OVERRIDE/DELAY switch to a +5 VDC source in the logic assembly.

(16) Connect a wire from the bottom terminal of the OVERRIDE/DELAY switch to a ground source in the logic assembly.

(17) Connect the AUTODIN device test set to a punch device to be tested.

(18) The wires on the AUTODIN device test set terminal board TB3 terminals 10 through 20 are all spares. Through a continuity check, determine which one of the wires on the test set TB3 terminals 10 through 20 are connected to TB2-1 of the punch device interface assembly.

(19) Remove the wire from test set TB3-20 and the wire having continuity with punch device TB2-1. Replace the wires on test set terminal board TB3 by switching the positions of the two wires to insure that punch device TB2-1 is connected to test set TB3-20.

(20) Install the printed circuit card assembled in c above in the C50 location.

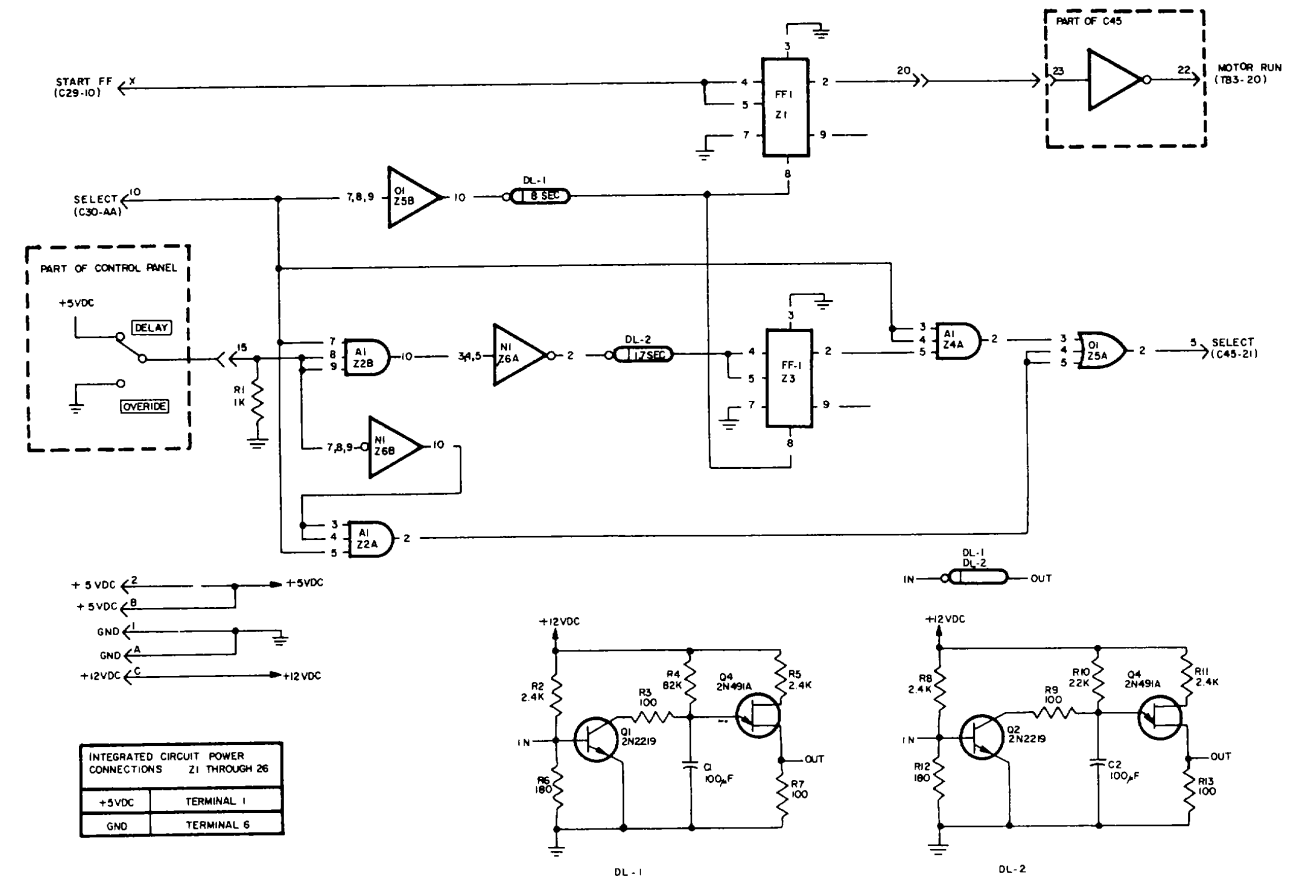


Figure 6-6. Motor stop control printed circuit card, schematic.

611. Clutch Bank Assembly Test/Alignment

Perform final test, and alignment of clutch bank assemblies as outlined below.

a. *Tools and Test Equipment Required.* The following special tools, and test equipment (or equivalent) are required.

Item	Part no./ Mfr.	Qty.
Clutch bank assembly test fixture	604071-1; 12344	1
Clutch bank assembly test fixture power supply	605022-1; 12344	1
Gram gage (Correx #15-150 gms) NSN 521(0F00930 9199	4043404; 12344	1

(1) The test fixture consists of 3 separable parts: gage block assembly (pn 605049-1), clutch bank holding stand (pn 605051-1), and stand base (pn 605052-1).

(2) Gram gage is a part of tool kit, paper tape equipment (AUTODINDST).

b. *Test Setup.* Prior to beginning the test setup, check the clutch bank assembly for proper end play adjustment as outlined in paragraph 4-114.

(1) Place the clutch bank assembly to be aligned and tested on the test fixture holding stand as shown

in View A of figure 6-7. Secure the clutch bank assembly to the holding stand using four socket head cap screws, No.6-32 3/8 inch long (pn MS 1699517).

(2) Place the holding fixture, with clutch bank assembly attached, into the stand base as shown in view B of figure 6-7. Position the holding fixture with the legs facing away from the thumb screws on the stand base and the armature coils on the clutch bank assembly on top. Center the holding fixture in the stand base and secure by tightening the two thumb screws on the stand base.

(3) On the test fixture power supply (fig. 6-8), set the POWER switch to the OFF position. Set the selector switch for the clutch bank assemble being tested as outlined in the following chart.

Selector switch position	Use for clutch bank assembly/part numbers
L. S. Autodin-Standard	Low speed upper left, 329890 Low speed lower left, 329891 Low speed upper right, 329880 Low speed lower right, 329881
H. S. Autodin-2 Bank	High speed upper left, 329770 High speed lower left, 329771
H. S. Autodin-3 Bank	High speed upper right, 329780 High speed lower right, 329781

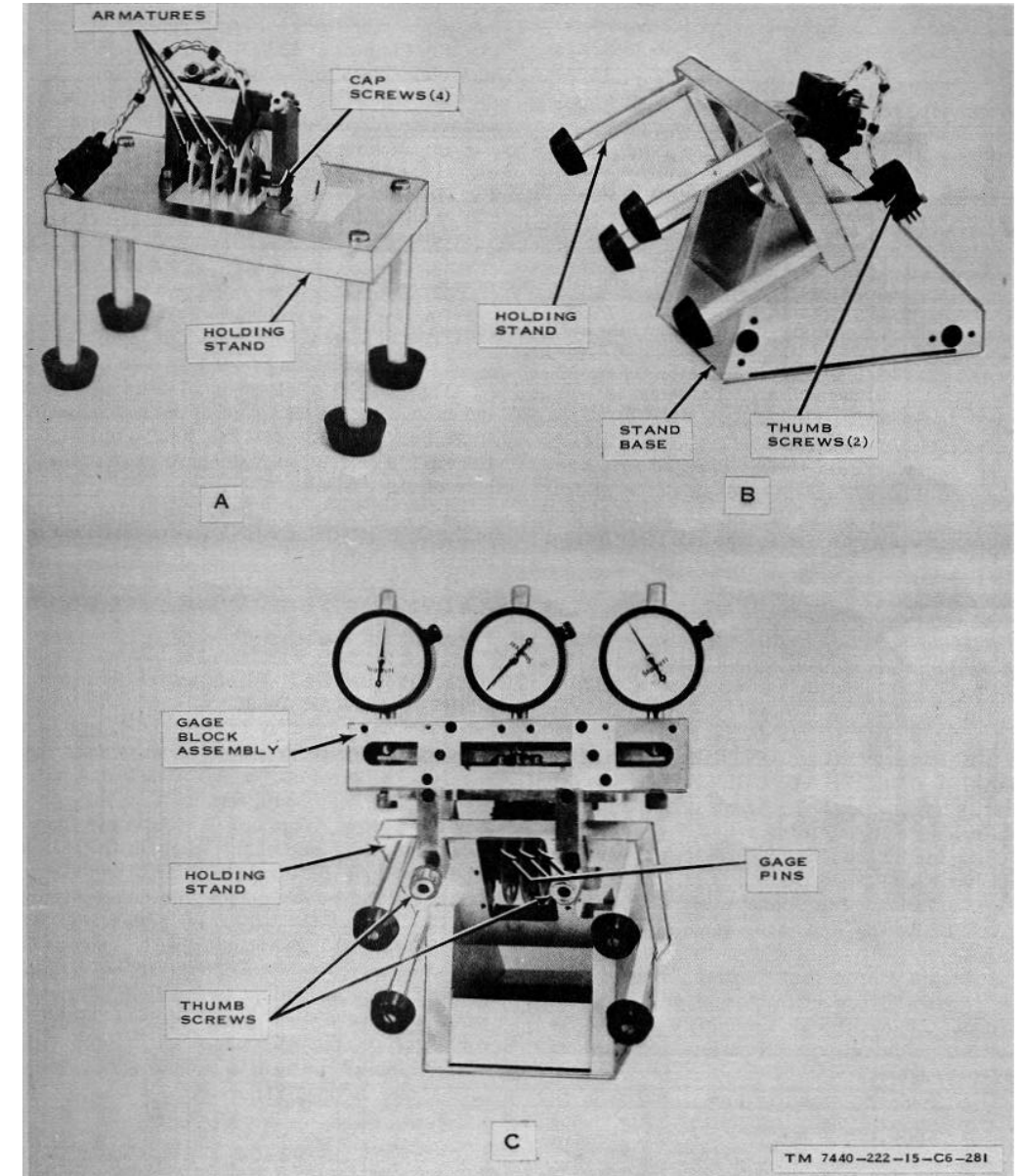


Figure 6-7. Clutch bank test fixture, test setup.

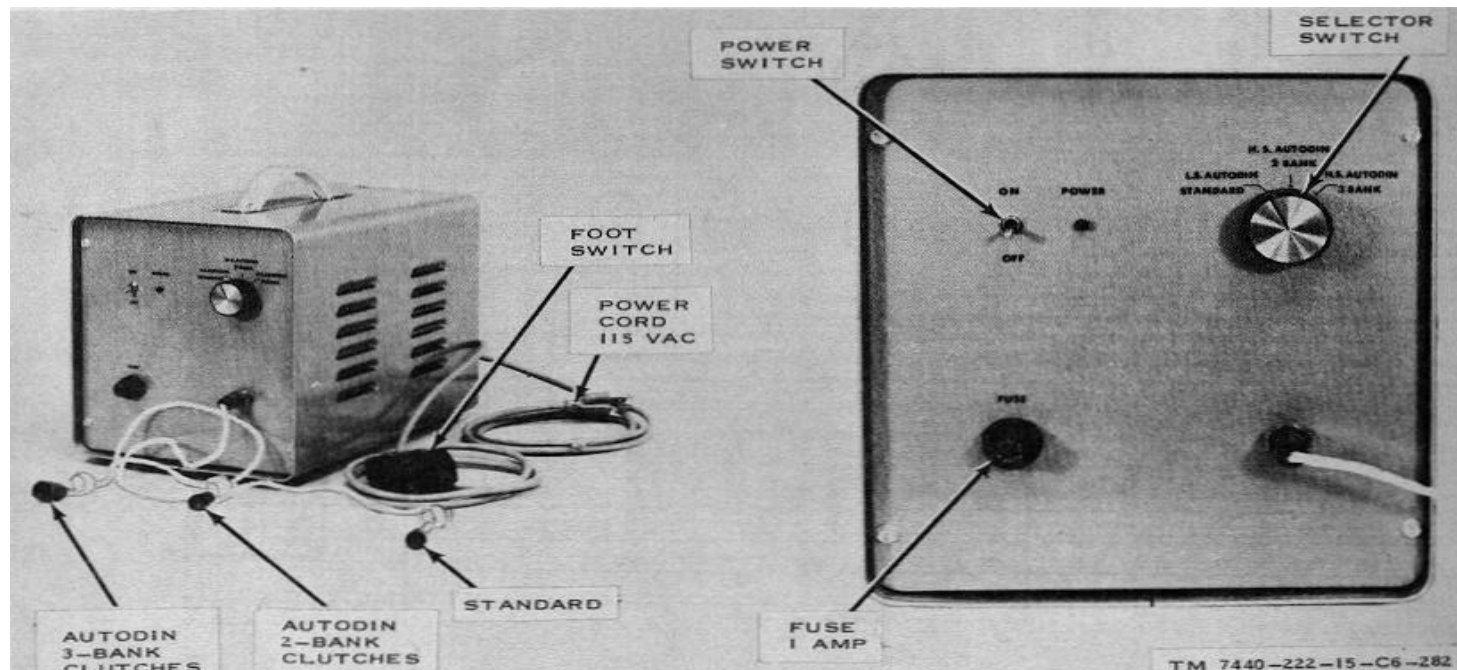


Figure 6-8. Clutch bank test fixture power supply, test setup.

(4) Connect the clutch bank assembly under test to the appropriate connector (fig. 6-8) on the test fixture power supply signal cable. Use the 4 pin AUTODIN connector for both high and low speed two-bank clutch assemblies, and the 7 pin AUTODIN connector for both high and low speed three-bank clutch assemblies. The 4 pin STANDARD connector is not used with AUTODIN equipment but may be used to test Tally Corporation standard commercial clutch bank assemblies.

(5) Set the test fixture power supply POWER switch to ON (fig. 6-8). This will enable energizing the clutch bank assembly armatures when the foot switch (fig. 6-8) is depressed.

c. Armature Tip Clearance Adjustment.

(1) Align all of the control sleeves by individually releasing the respective armatures and rotating the respective spring clutch assembly clockwise (viewed from the right end with armature tips facing the technician) until the first control sleeve tooth past the rebound spring tang is aligned on all clutch assemblies.

(2) Depress the power supply foot switch to pick all armatures (if necessary, assist with your hand from the back of clutch latch). Rotate the clutch shaft in a clockwise direction (as viewed in fig. 6-7) until the armature tips rest on the first one-third of the fourth control sleeve tooth past the rebound spring tang. Release the foot switch.

(3) Mount the gage block assembly on the holding stand, as shown in view C of figure 6-7, and center the gage pins on the armature tips. Secure by tightening the two thumb screws.

(4) Depress the foot switch to pick all armatures. Zero the gage indicator dials by loosening the dial lock thumb screw and rotating the dials until the zero mark is under the pointer.

(5) Release the foot switch to read the tip clearance. Required tip clearance is 0.005 (0.0005) inch (an indication of 5 on the end gages and 25 on the center gage of the test fixture).

(6) If tip clearance requires adjustment, reset the end gages to 5 and the center gage to 25. Loosen the four cap screws (fig. 4-55), and hand tighten the cap screws. Depress the foot switch to actuate all armatures, and turn the two adjusting screws (fig. 4-55) until the end test fixture gages read zero (± one 0.0005) graduation.

(7) Torque the four mounting capscrews to 18 inch-pounds and recheck the tip clearance. Readjust, if necessary.

(8) Check the tip clearance on each of the control sleeve teeth for each clutch bank making note of the smallest and largest tip clearance indication for each clutch bank reflecting clearance on the highest and lowest control sleeve teeth respectively.

(9) If the smallest and largest indications in (8) above differ by more than 0.005 inch, replace the control sleeve assembly.

(10) If the clearance on the highest tooth (smallest reading obtained in (8) above) is less than 0.004 inch, repeat the tip clearance adjustment using the highest tooth.

(11) The largest reading for the center clutch bank will be used in making the air gap adjustment outlined in d below.

d. Air Gap Adjustment. When adjusting air gap using the clutch bank assembly test fixture, the total tip travel is measured and used to set the air gap. This is the reason adjustment requirements given below differ from the air gap settings outlined in paragraph 4-105.

NOTE

The following procedure must be individually performed for each clutch bank on the assembly. On three-bank clutch assemblies, perform the adjustment on the two outside banks first leaving the center clutch bank to last.

(1) With the test fixture foot switch released, rotate the clutch shaft one-third turn clockwise (viewed from the right end with the armature tips facing the technician).

(2) Depress the foot switch to pick all armatures (assist from the back of the clutch bank if required). With the armature picked, zero the appropriate dial gage until the zero mark is under the pointer.

(3) Establish an average zero point by switching the foot switch on and off 3 to 5 times, each time checking to verify the armature is fully picked. Adjust zero as necessary.

(4) With the foot switch released, read the tip travel by rotating the clutch shaft approximately two-thirds of the way to the next control sleeve tooth. On two-bank clutches, and on the two outside clutches on a three-bank clutch, the indication should be between 0.025 and 0.026 inch. The tip travel indication on the center clutch of a three-bank clutch is dependent upon the tip clearance noted in d(8) above. The requirement for the center clutch is as follows:

<i>Measured center tip clearance</i>	<i>Travel Armature tip requirement</i>
0.004 to 0.006 inch-----	0.024 to 0.027 inch
0.007 inch -----	0.026 to 0.029 inch
0.008 inch -----	0.027 to 0.030 inch
0.009 inch -----	0.028 to 0.031 inch

(5) If adjustment is required, carefully bend the armature limit assembly (B, fig. 4-54) until the requirement is met. Use care not to affect the adjustment of the other clutches on the clutch bank assembly.

(6) Repeat (1) through (5) for other clutches on the assembly.

(7) Remove the gage block assembly from the holding stand (fig. 67).

e. Spring Tension Adjustment. Check the spring tension adjustment. and adjust if necessary, as outlined in paragraph 4-107. All low speed clutch bank assemblies should be set for 60 (±10) grams, and high speed clutch assemblies should be set for 90 (± 10) grams.

f. Dismantle Test Setup. Dismantle the test set-up by reversing the procedures outlined in 6 above.

6-12. Clutch Bank Assembly Test Fixture, Calibration

The following outlines calibration requirements/procedures for clutch bank assembly test fixture, part number 604071-1, manufacturer 12344.

a. Period of Calibration: Sixty dav..

b. Specification.

(1) Dial tolerance is one graduation in 25% of travel for indicators having a full travel of more than 0.030 inch; one graduation in 50% of travel for indicators with less than 0.030 full travel, exclusive of one-fourth turn preload.

(2) Repeatability within one graduation in overall dial travel.

c. Calibration/Certification Equipment Required.

(1) Set of gage blocks, calibrated by outside source and traceable to the National Bureau of Standards.

(2) Inspection grade surface plate, calibrated by outside source, and traceable to the National Bureau of Standards.

(3) Test set (surface gage) and angle blocks.

d. Calibration Procedure.

(1) Visually examine for damage, freedom of movement, and missing parts.

(2) Remove dial indicator from the gage block assembly.

(3) Mount dial indicator on test set, and using three different heights of gage blocks, check repeatability of dial.

(4) Repeat (3) above for all indicators.

(5) Reinstall dial indicators in test fixture, and using angle blocks as necessary, support the test fixture to check gage pins.

(6) Using three different heights of gage blocks, check repeatability of gage block assembly.

(7) Complete Record of Calibration.

CHAPTER 8

ADDITIONAL ILLUSTRATIONS AND WIRE RUN LIST

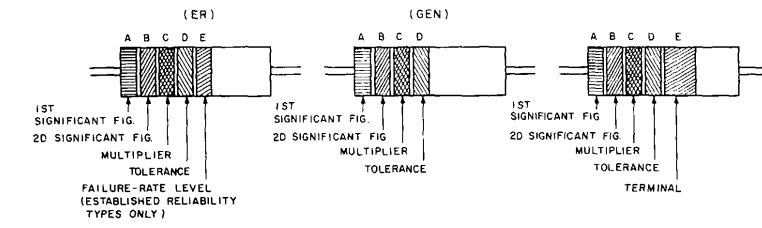


TABLE 1
COLOR CODE FOR COMPOSITION TYPE AND FILM TYPE RESISTORS.

BAND A	BAND B	BAND C	BAND D	BAND E	TERM.				
COLOR	FIRST SIGNIFICANT FIGURE	COLOR	SECOND SIGNIFICANT FIGURE	COLOR	MULTIPLIER	COLOR	RESISTANCE TOLERANCE (PERCENT)	COLOR	FAILURE RATE LEVEL
BLACK	0	BLACK	0	BLACK	1	BROWN	±10	BROWN	M=1.0
BROWN	1	BROWN	1	BROWN	10	RED	±5	RED	P=0.1
RED	2	RED	2	RED	100	ORANGE	±2	ORANGE	R=0.01
ORANGE	3	ORANGE	3	ORANGE	1,000	YELLOW	±1	YELLOW	S=0.001
YELLOW	4	YELLOW	4	YELLOW	10,000	SILVER	±10 (COMP. TYPE ONLY)	WHITE	
GREEN	5	GREEN	5	GREEN	100,000	GOLD	±5		
BLUE	6	BLUE	6	BLUE	1,000,000	RED	±2 (NOT APPLICABLE TO ESTABLISHED RELIABILITY)		
PURPLE (VIOLET)	7	PURPLE (VIOLET)	7						
GRAY	8	GRAY	8	SILVER	0.01				
WHITE	9	WHITE	9	GOLD	0.1				

BAND A — THE FIRST SIGNIFICANT FIGURE OF THE RESISTANCE VALUE (BANDS A THRU D SHALL BE OF EQUAL WIDTH.)

BAND B — THE SECOND SIGNIFICANT FIGURE OF THE RESISTANCE VALUE.

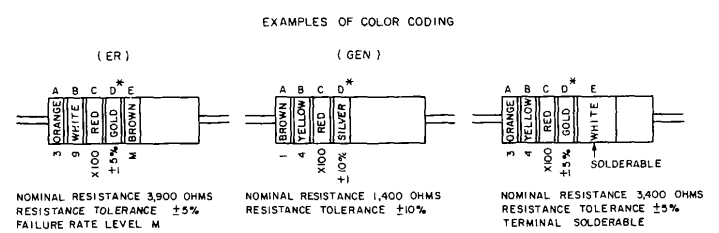
BAND C — THE MULTIPLIER (THE MULTIPLIER IS THE FACTOR BY WHICH THE TWO SIGNIFICANT FIGURES ARE MULTIPLIED TO YIELD THE NOMINAL RESISTANCE VALUE.)

BAND D — THE RESISTANCE TOLERANCE.

BAND E — WHEN USED ON COMPOSITION RESISTORS, BAND E INDICATES ESTABLISHED RELIABILITY FAILURE-RATE LEVEL (PERCENT FAILURE PER 1,000 HOURS) ON FILM RESISTORS, THIS BAND SHALL BE APPROXIMATELY 1-1/2 TIMES THE WIDTH OF OTHER BANDS, AND INDICATES TYPE OF TERMINAL RESISTANCES IDENTIFIED BY NUMBERS AND LETTERS (THESE ARE NOT COLOR CODED)

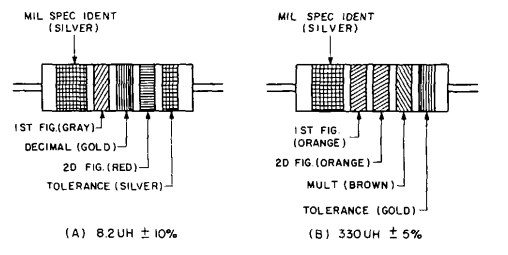
SOME RESISTORS ARE IDENTIFIED BY THREE OR FOUR DIGIT ALPHA NUMERIC DESIGNATORS. THE LETTER R IS USED IN PLACE OF A DECIMAL POINT WHEN FRACTIONAL VALUES OF AN OHM ARE EXPRESSED. FOR EXAMPLE:
2R7 = 2.7 OHMS 10R0 = 10.0 OHMS

FOR WIRE-WOUND-TYPE RESISTORS COLOR CODING IS NOT USED, IDENTIFICATION MARKING IS SPECIFIED IN EACH OF THE APPLICABLE SPECIFICATIONS.



* IF BAND D IS OMITTED, THE RESISTOR TOLERANCE IS ±20% AND THE RESISTOR IS NOT MIL-STD.

A. COLOR CODE MARKING FOR MILITARY STANDARD RESISTORS. B. COLOR CODE MARKING FOR MILITARY STANDARD INDUCTORS.



COLOR CODING FOR TUBULAR ENCAPSULATED R.F. CHOKES. AT A, AN EXAMPLE OF THE CODING FOR AN 82UH CHOKE IS GIVEN. AT B, THE COLOR BANDS FOR A 330UH INDUCTOR ARE ILLUSTRATED.

TABLE 2
COLOR CODING FOR TUBULAR ENCAPSULATED R.F. CHOKES.

COLOR	SIGNIFICANT FIGURE	MULTIPLIER	INDUCTANCE TOLERANCE (PERCENT)
BLACK	0	1	
BROWN	1	10	1
RED	2	100	2
ORANGE	3	1,000	3
YELLOW	4		
GREEN	5		
BLUE	6		
VIOLET	7		
GRAY	8		
WHITE	9		
NONE			20
SILVER			10
GOLD			5

MULTIPLIER IS THE FACTOR BY WHICH THE TWO COLOR FIGURES ARE MULTIPLIED TO OBTAIN THE INDUCTANCE VALUE OF THE CHOKE COIL.

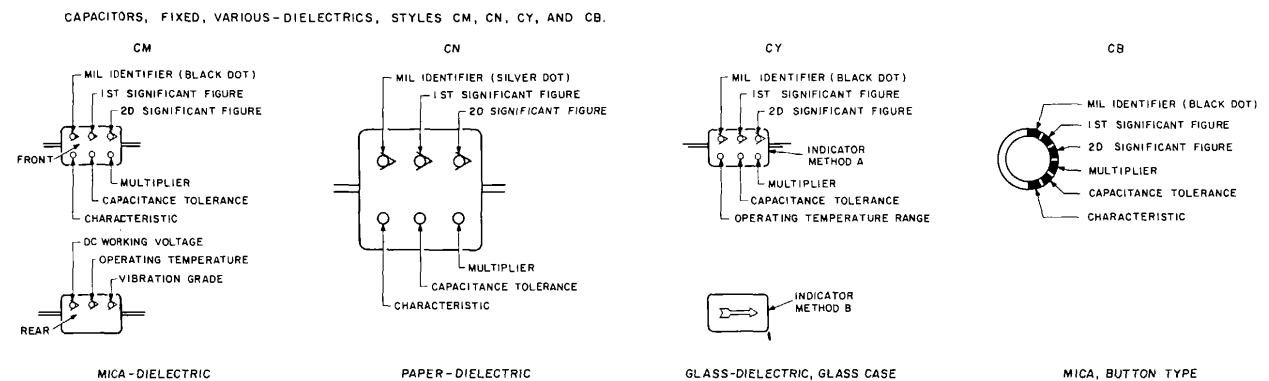


TABLE 3 — FOR USE WITH STYLES CM, CN, CY AND CB.

COLOR	MIL ID	1ST SIG FIG	2D SIG FIG	MULTIPLIER	CAPACITANCE TOLERANCE				CHARACTERISTIC			DC WORKING VOLTAGE	OPERATING TEMP RANGE	VIBRATION GRADE
					CM	CN	CY	CB	CM	CN	CB			
BLACK	CM, CY, CB	0	0	1						A			-55° TO +70°C	10-55 Hz
BROWN		1	1	10						B	E	B		
RED		2	2	100	±2%		±2%	±2%		C			-55° TO +85°C	
ORANGE		3	3	1,000	±30%					D	D	300		
YELLOW		4	4	10,000						E			-55° TO +125°C	10-2,000 Hz
GREEN		5	5		±5%					F		300		
BLUE		6	6										-55° TO +150°C	
PURPLE (VIOLET)		7	7											
GRAY		8	8											
WHITE		9	9											
GOLD				0.1										
SILVER	CN			0.01	±10%	±10%	±10%	±10%						

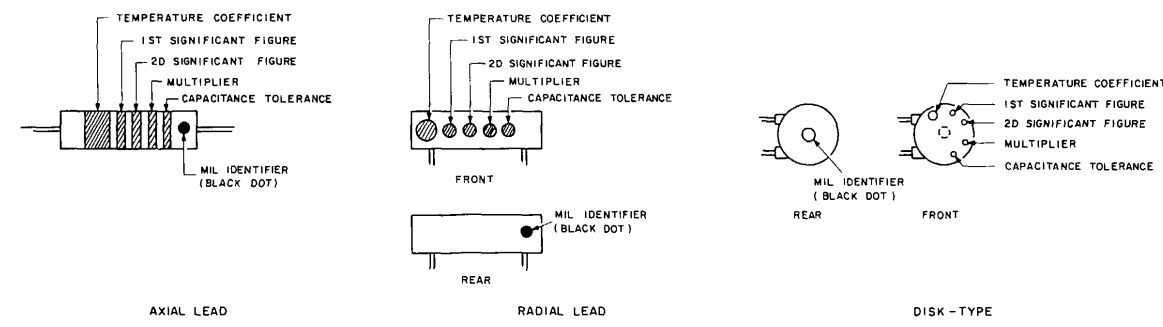


TABLE 4 — TEMPERATURE COMPENSATING, STYLE CC.

COLOR	TEMPERATURE COEFFICIENT ¹	1ST SIG FIG	2D SIG FIG	MULTIPLIER ¹	CAPACITANCE TOLERANCE	CAPACITANCES OVER 10 UUF OR LESS	MIL ID
BLACK	0	0	0	1		±2.0 UUF	CC
BROWN	-30	1	1	10	±1%		
RED	-80	2	2	100	±2%	±0.25 UUF	
ORANGE	-150	3	3	1,000			
YELLOW	-220	4	4				
GREEN	-330	5	5		±5%	±0.5 UUF	
BLUE	-470	6	6				
PURPLE (VIOLET)	-750	7	7				
GRAY		8	8	0.01*			
WHITE		9	9	0.1*	±10%		
GOLD	+100			0.1		±1.0 UUF	
SILVER				0.01			

1. THE MULTIPLIER IS THE NUMBER BY WHICH THE TWO SIGNIFICANT (SIG) FIGURES ARE MULTIPLIED TO OBTAIN THE CAPACITANCE IN UUF.

2. LETTERS INDICATE THE CHARACTERISTICS DESIGNATED IN APPLICABLE SPECIFICATIONS: MIL-C-5, MIL-C-250, MIL-C-11272B, AND MIL-C-10950C RESPECTIVELY.

3. LETTERS INDICATE THE TEMPERATURE RANGE AND VOLTAGE-TEMPERATURE LIMITS DESIGNATED IN MIL-C-11015D.

4. TEMPERATURE COEFFICIENT IN PARTS PER MILLION PER DEGREE CENTIGRADE.

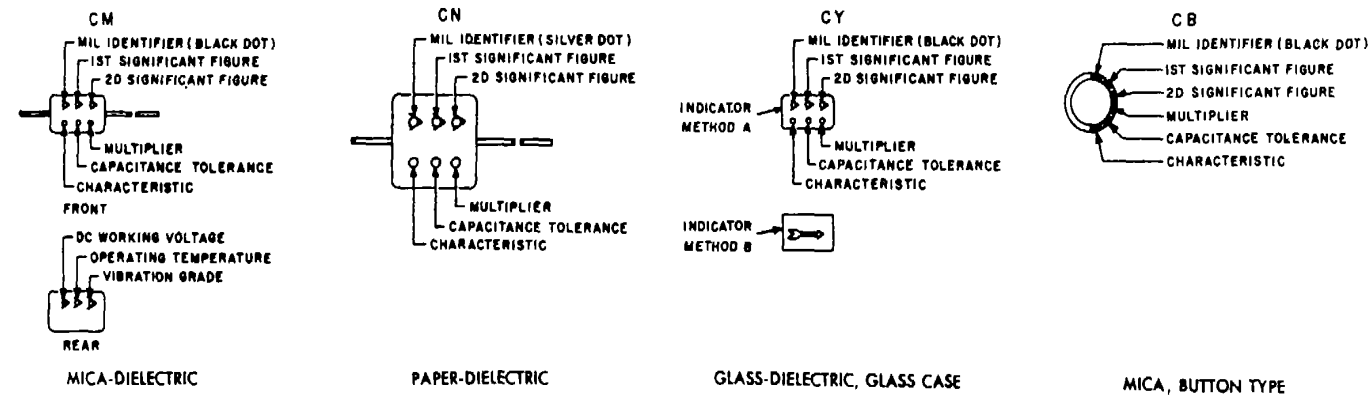
* OPTIONAL CODING WHERE METALLIC PIGMENTS ARE UNDESIRABLE.

C. COLOR CODE MARKING FOR MILITARY STANDARD CAPACITORS.

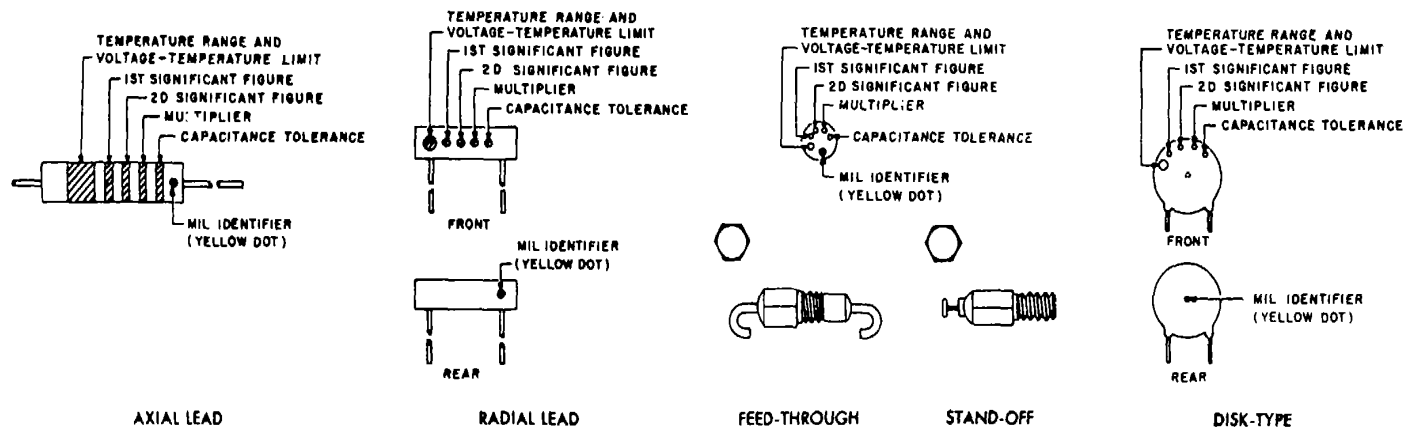
Figure 8-1. Color code markings for MIL STD resistors, inductors, and capacitors.

COLOR CODE MARKING FOR MILITARY STANDARD CAPACITORS

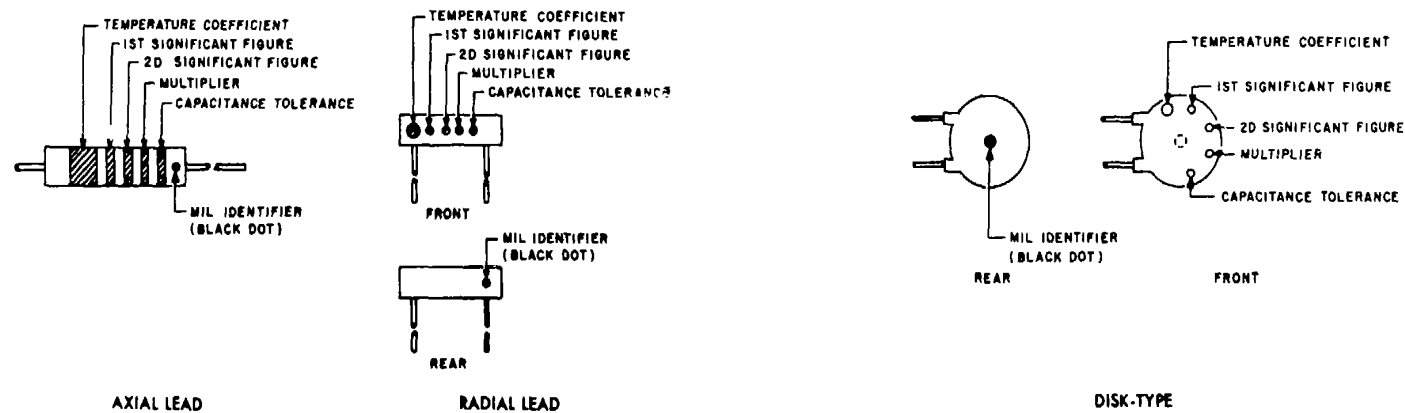
GROUP I Capacitors, Fixed, Various-Dielectrics, Styles CM, CN, CY, and CB



GROUP II Capacitors, Fixed Ceramic-Dielectric (General Purpose) Style CK



GROUP III Capacitors, Fixed, Ceramic-Dielectric (Temperature Compensating) Style CC



COLOR CODE TABLES

TABLE I - For use with Group I, Styles CM, CN, CY and CB

COLOR	MIL ID	1st SIG FIG	2nd SIG FIG	MULTIPLIER ¹	CAPACITANCE TOLERANCE				CHARACTERISTIC ²				DC WORKING VOLTAGE	OPERATING TEMP. RANGE	VIBRATION GRADE
					CM	CN	CY	CB	CM	CN	CY	CB	CM	CM	CM
BLACK	CM, CY, CB	0	0	1			± 20%	± 20%		A				-55° to +70°C	10-55 cps
BROWN		1	1	10					B	E	B				
RED		2	2	100	± 2%		± 2%	± 2%	C		C			-55° to +85°C	
ORANGE		3	3	1,000		± 30%			D		D	300			
YELLOW		4	4	10,000					E					-55° to +125°C	10-2,000 cps
GREEN		5	5		± 5%				F			500			
BLUE		6	6											-55° to +150°C	
PURPLE (VIOLET)		7	7												
GREY		8	8												
WHITE		9	9												
GOLD				0.1			± 5%	± 5%							
SILVER	CN				± 10%	± 10%	± 10%	± 10%							

TABLE II - For use with Group II, General Purpose, Style CK

COLOR	TEMP. RANGE AND VOLTAGE-TEMP. LIMITS ³	1st SIG FIG	2nd SIG FIG	MULTIPLIER ¹	CAPACITANCE TOLERANCE	MIL ID
BLACK		0	0	1	± 20%	
BROWN	AW	1	1	10	± 10%	
RED	AX	2	2	100		
ORANGE	BX	3	3	1,000		
YELLOW	AV	4	4	10,000		CK
GREEN	CZ	5	5			
BLUE	BY	6	6			
PURPLE (VIOLET)		7	7			
GREY		8	8			
WHITE		9	9			
GOLD						
SILVER						

TABLE III - For use with Group III, Temperature Compensating, Style CC

COLOR	TEMPERATURE COEFFICIENT ⁴	1st SIG FIG	2nd SIG FIG	MULTIPLIER ¹	CAPACITANCE TOLERANCE		MIL ID
					Capacitors over 10uuf	Capacitors 10uuf or less	
BLACK	0	0	0	1		± 2.0uuf	CC
BROWN	-30	1	1	10	± 1%		
RED	-80	2	2	100	± 2%	± 0.25uuf	
ORANGE	-150	3	3	1,000			
YELLOW	-220	4	4				
GREEN	-330	5	5		± 5%	± 0.5uuf	
BLUE	-470	6	6				
PURPLE (VIOLET)	-730	7	7				
GREY		8	8	0.01			
WHITE		9	9	0.1	± 10%		
GOLD	+100					± 1.0uuf	
SILVER							

- The multiplier is the number by which the two significant (SIG) figures are multiplied to obtain the capacitance in uuf.
- Letters indicate the Characteristics designated in applicable specifications: MIL-C-5, MIL-C-91, MIL-C-11272, and MIL-C-10950 respectively.
- Letters indicate the temperature range and voltage-temperature limits designated in MIL-C-11015.
- Temperature coefficient in parts per million per degree centigrade.

Figure 8-2. Color code for marking, MIL-STD capacitors.

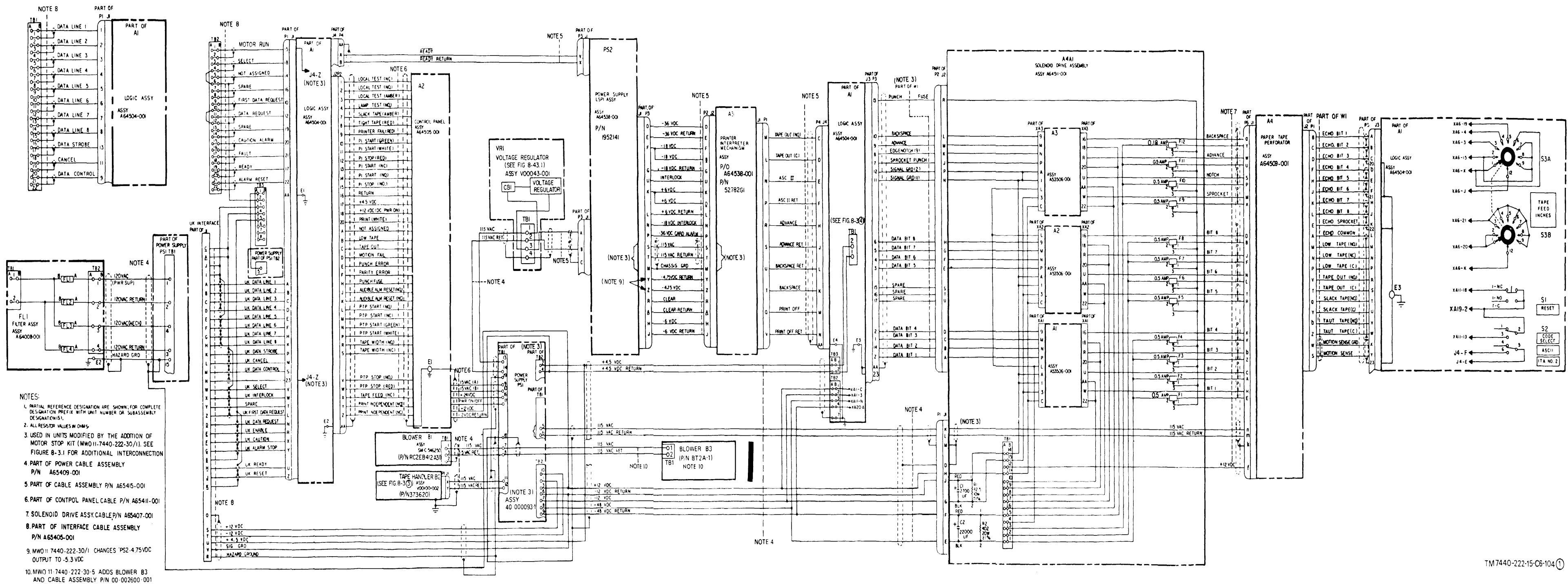
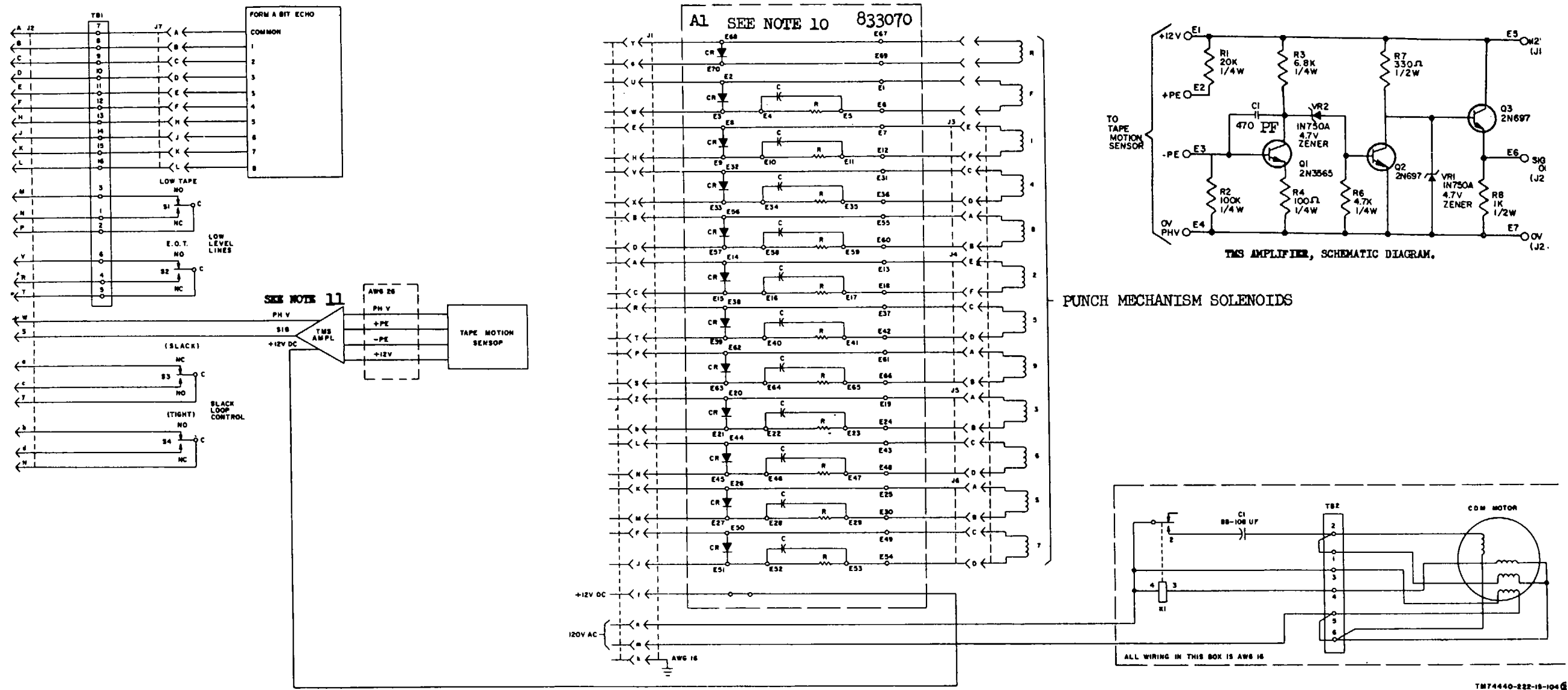
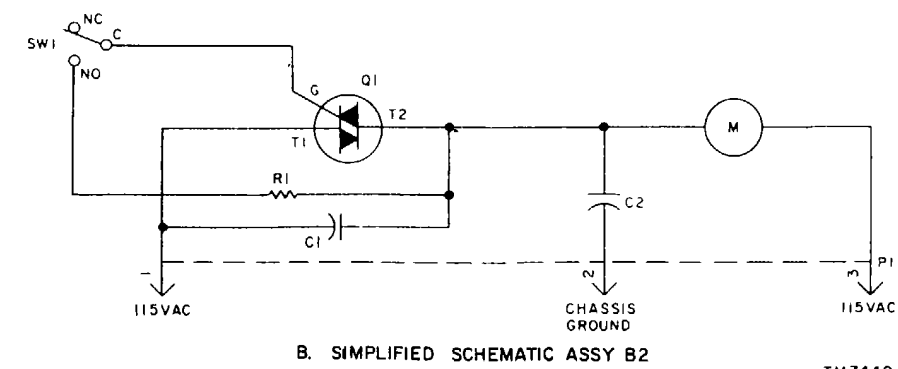
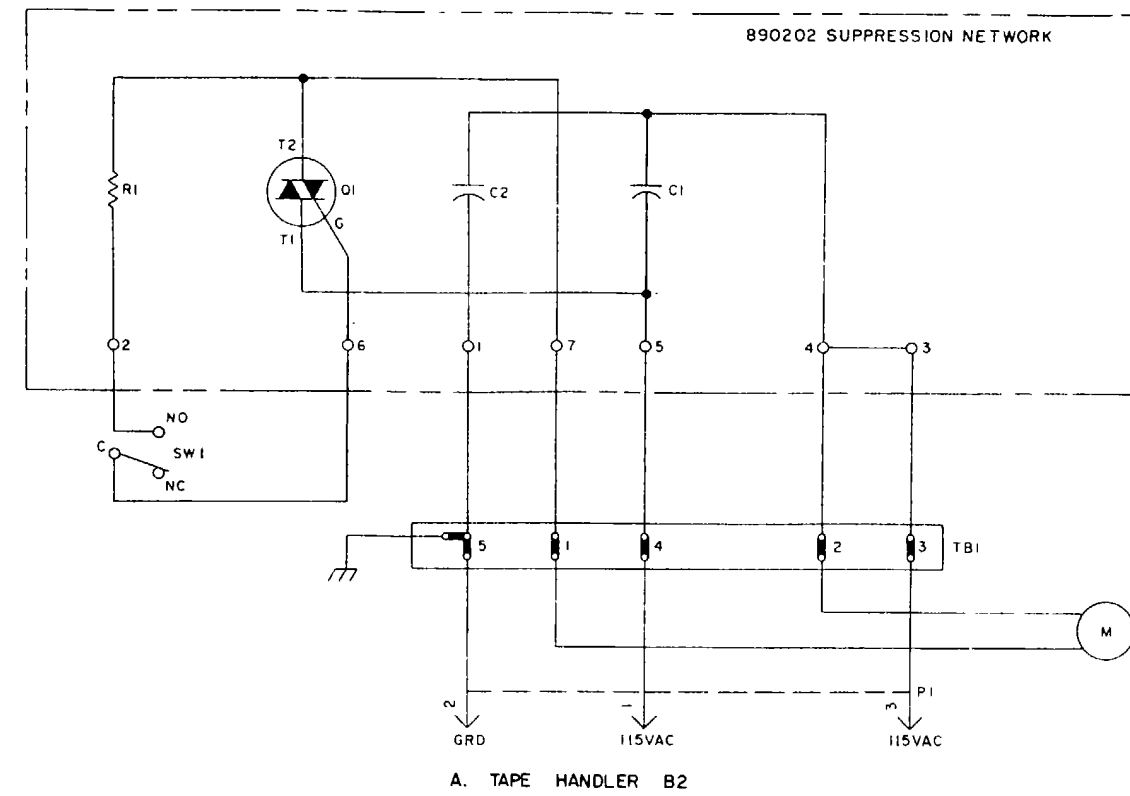
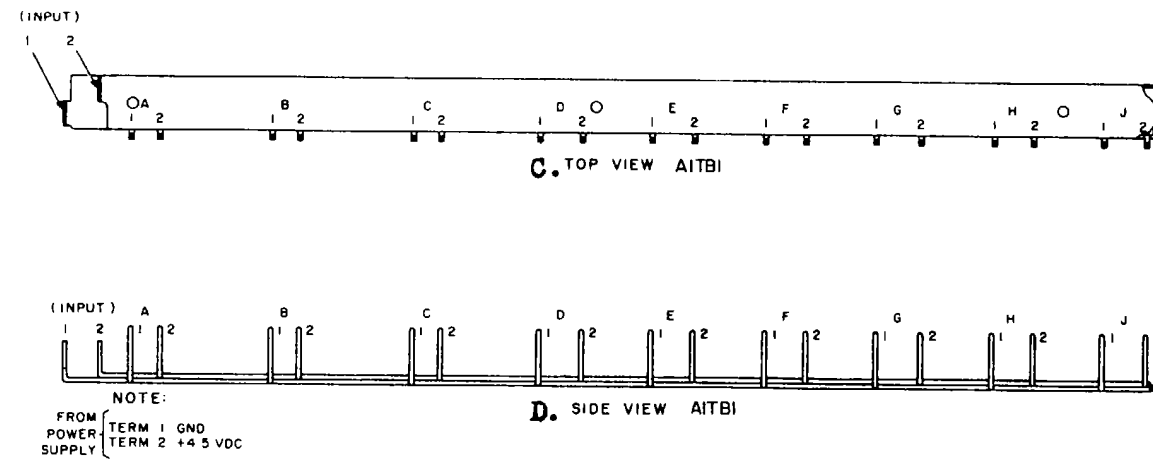


Figure 8-3(1). Low speed paper tape punch, interconnection (part 1 of 3)



- NOTES (CONT):
- 10. UNLESS OTHERWISE SPECIFIED:
RESISTORS ARE 51 OHMS, 5 WATTS.
CAPACITORS ARE 50 MICROFARADS.
DIODES ARE 1N4245.
WIRING IS AWG 22.
 - 11. SEE ABOVE FOR TMS AMPLIFIER SCHEMATIC DIAGRAM.

Figure 8-3(2). Low speed paper tape punch interconnection diagram (part 2 of 3).



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Figure 8-3(3). Low speed paper tape punch, interconnection diagram (part 3 of 3).

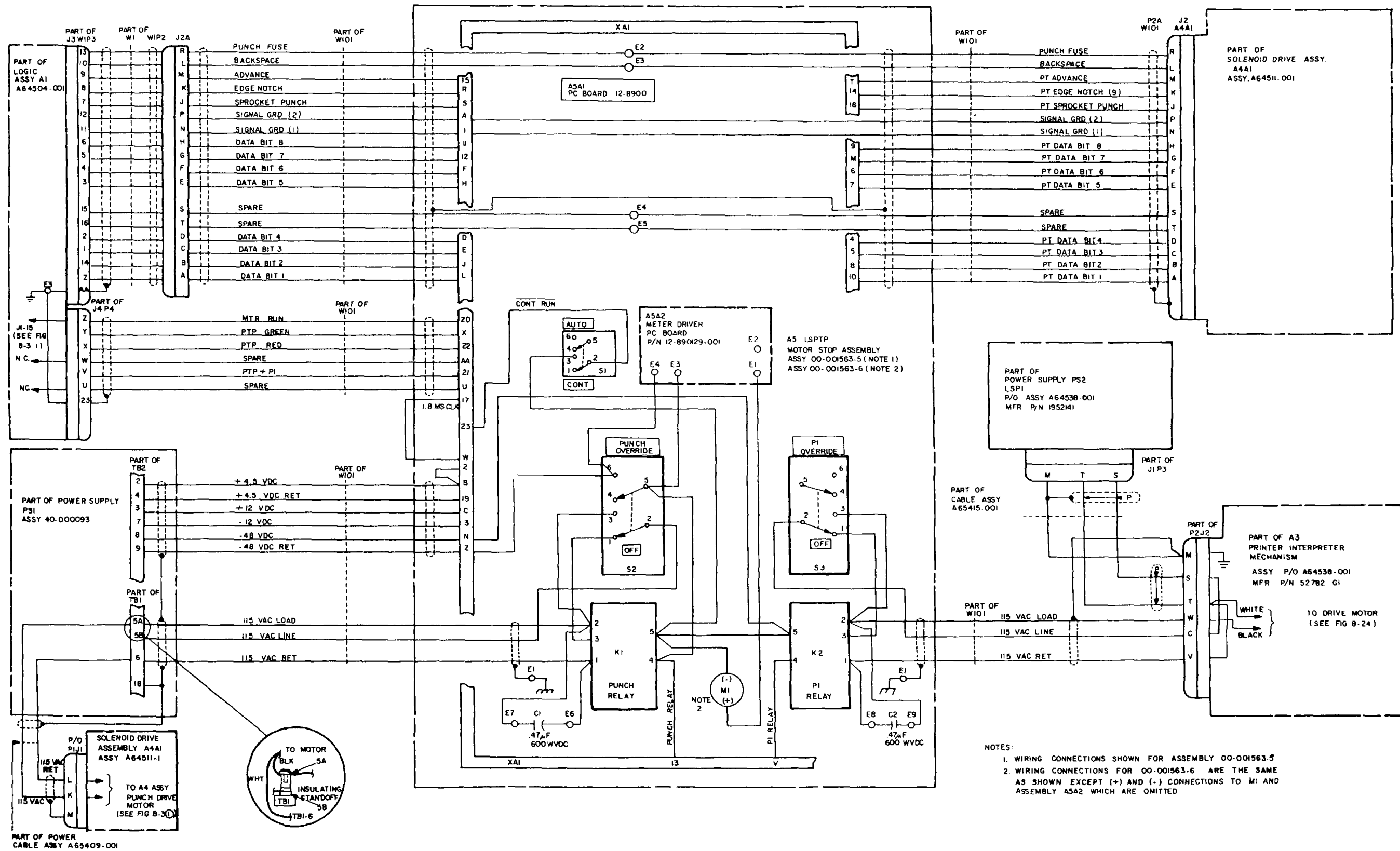
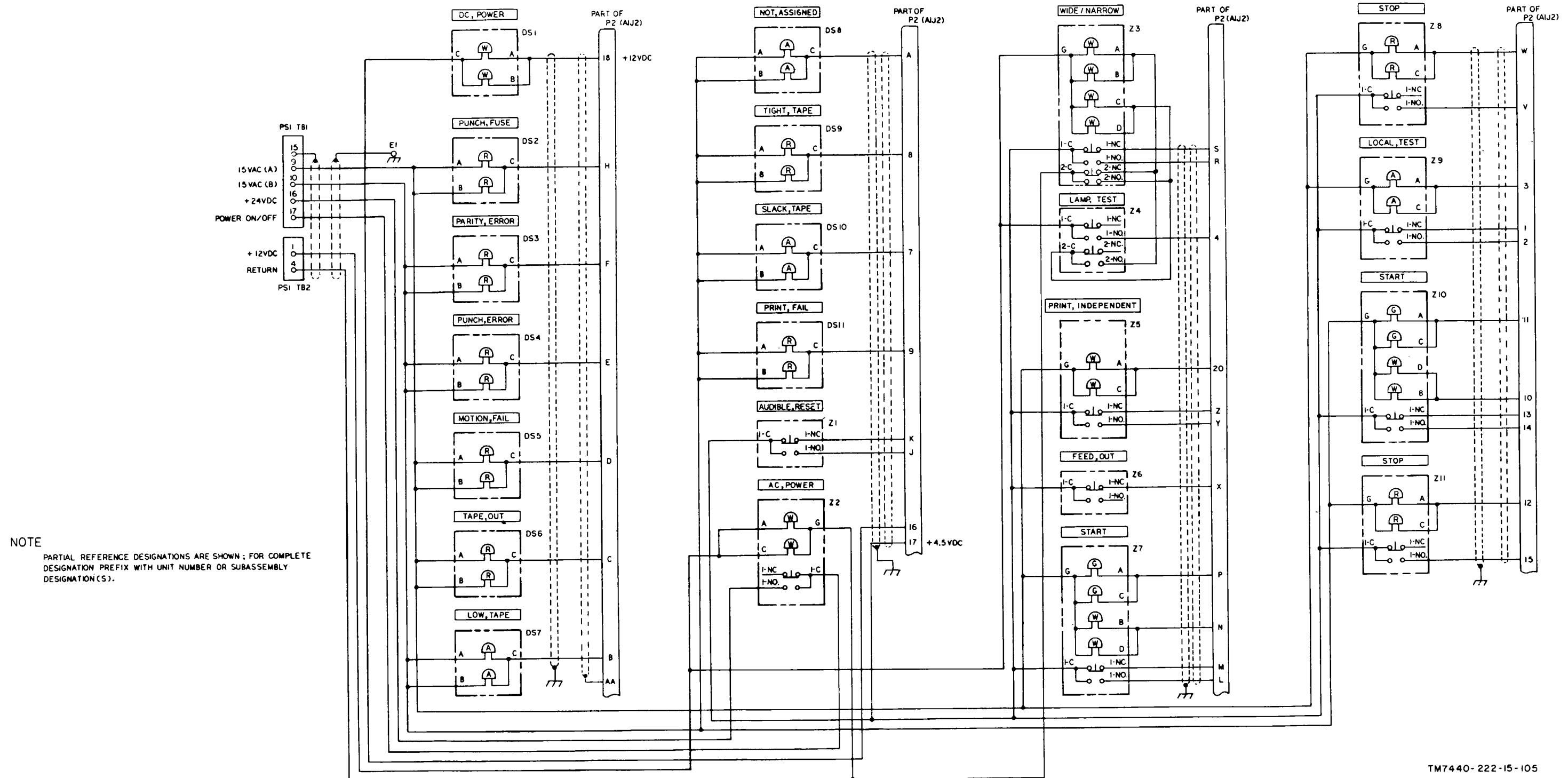


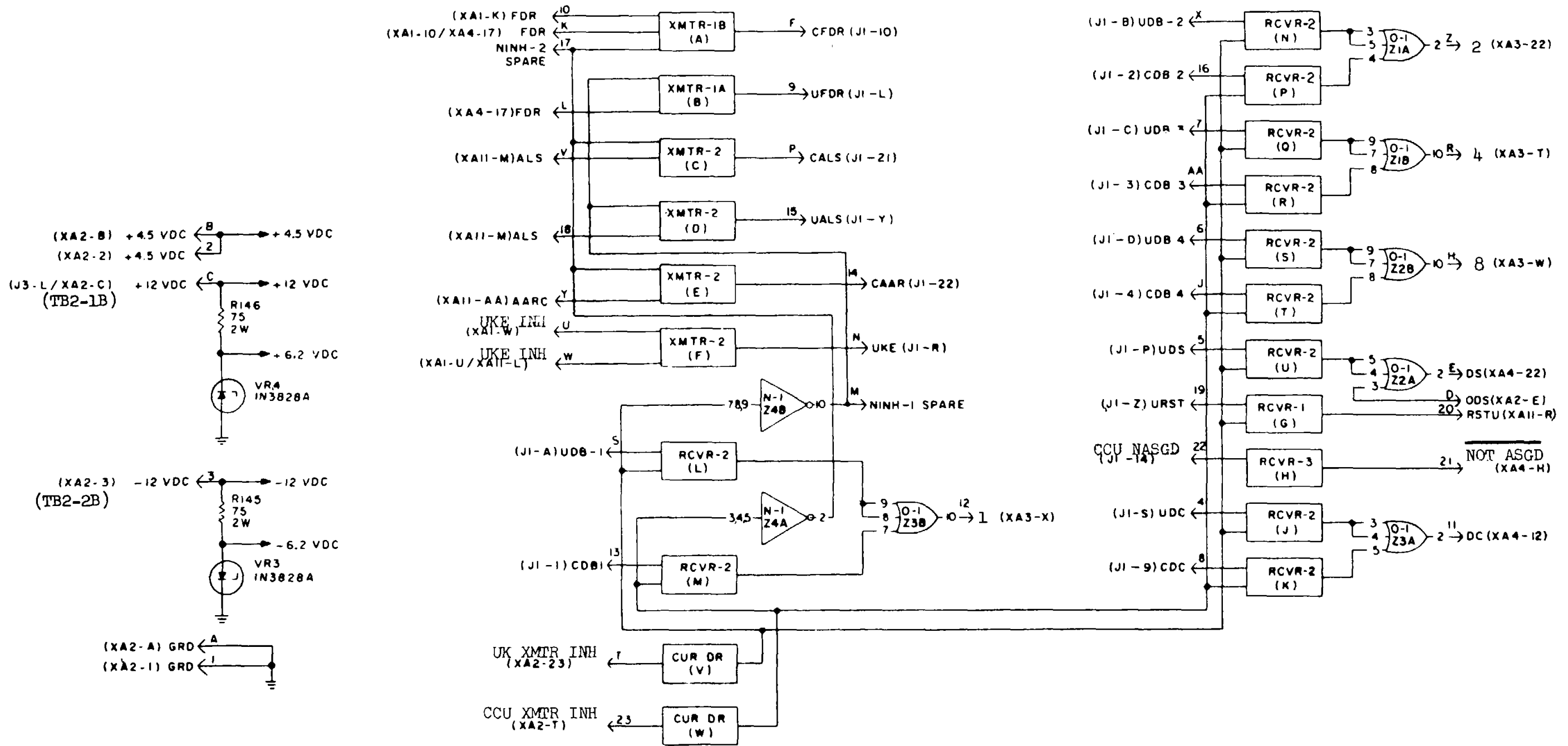
Figure 8-3.1. Low speed paper tape punch motor step assembly A5, interconnection diagram.



NOTE
PARTIAL REFERENCE DESIGNATIONS ARE SHOWN ; FOR COMPLETE DESIGNATION PREFIX WITH UNIT NUMBER OR SUBASSEMBLY DESIGNATION(S).

Figure 8-4. Control panel, schematic diagram.

Change 4 8-11/(8-12 blank)



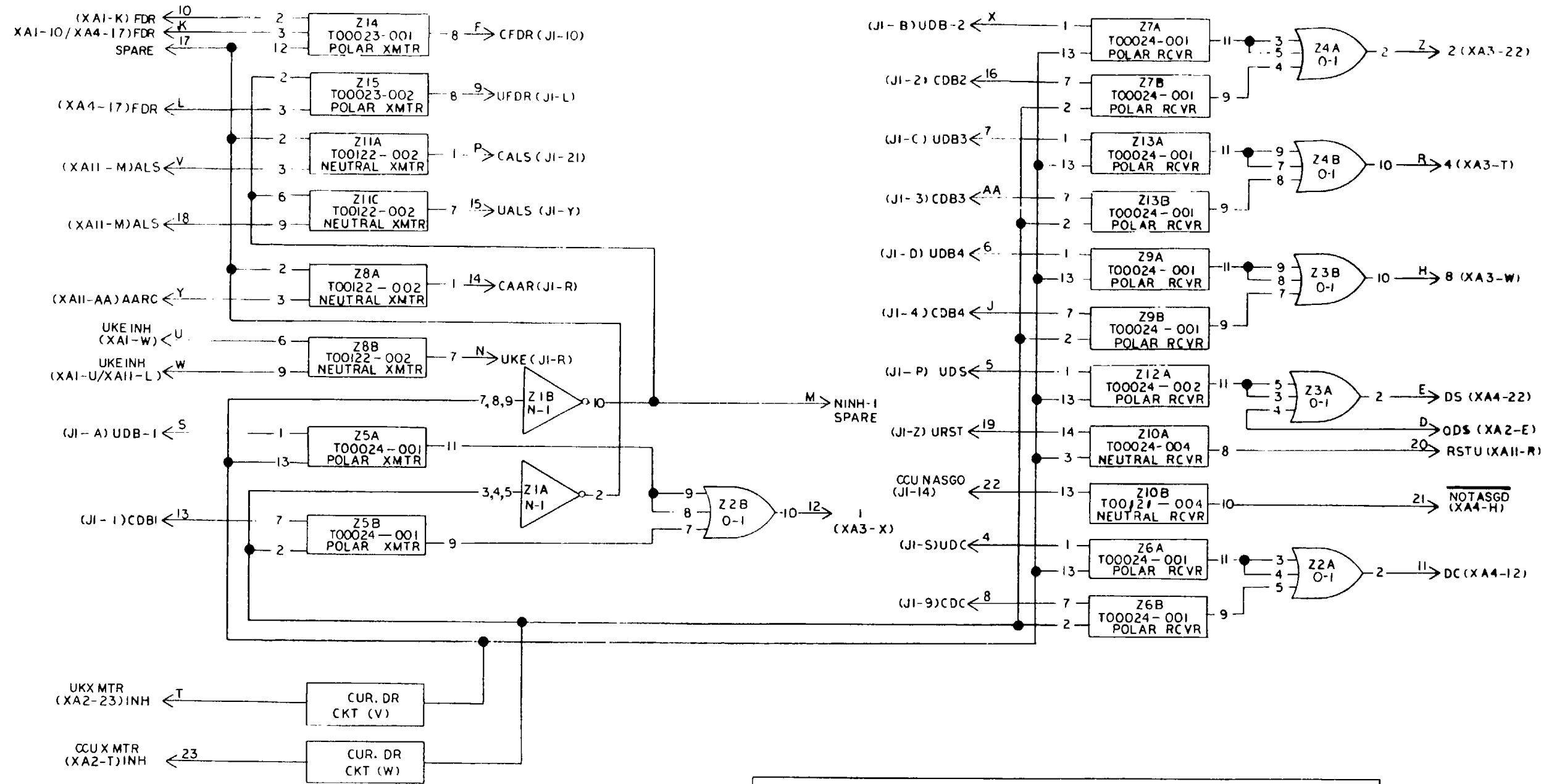
NOTE:
 PARTIAL REFERENCE DESIGNATIONS ARE SHOWN;
 FOR COMPLETE DESIGNATION PREFIX WITH UNIT
 NUMBER OR SUBASSEMBLY DESIGNATION(S).

POWER INPUT PINS	
+4.5 VDC	21 THRU 24
GRD	1

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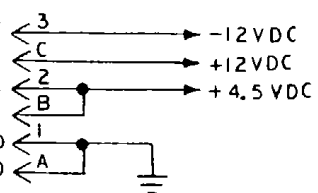
Figure 8-5. Interface PC card A1A1 (No. A65201), logic diagram.

Change 7 8-13



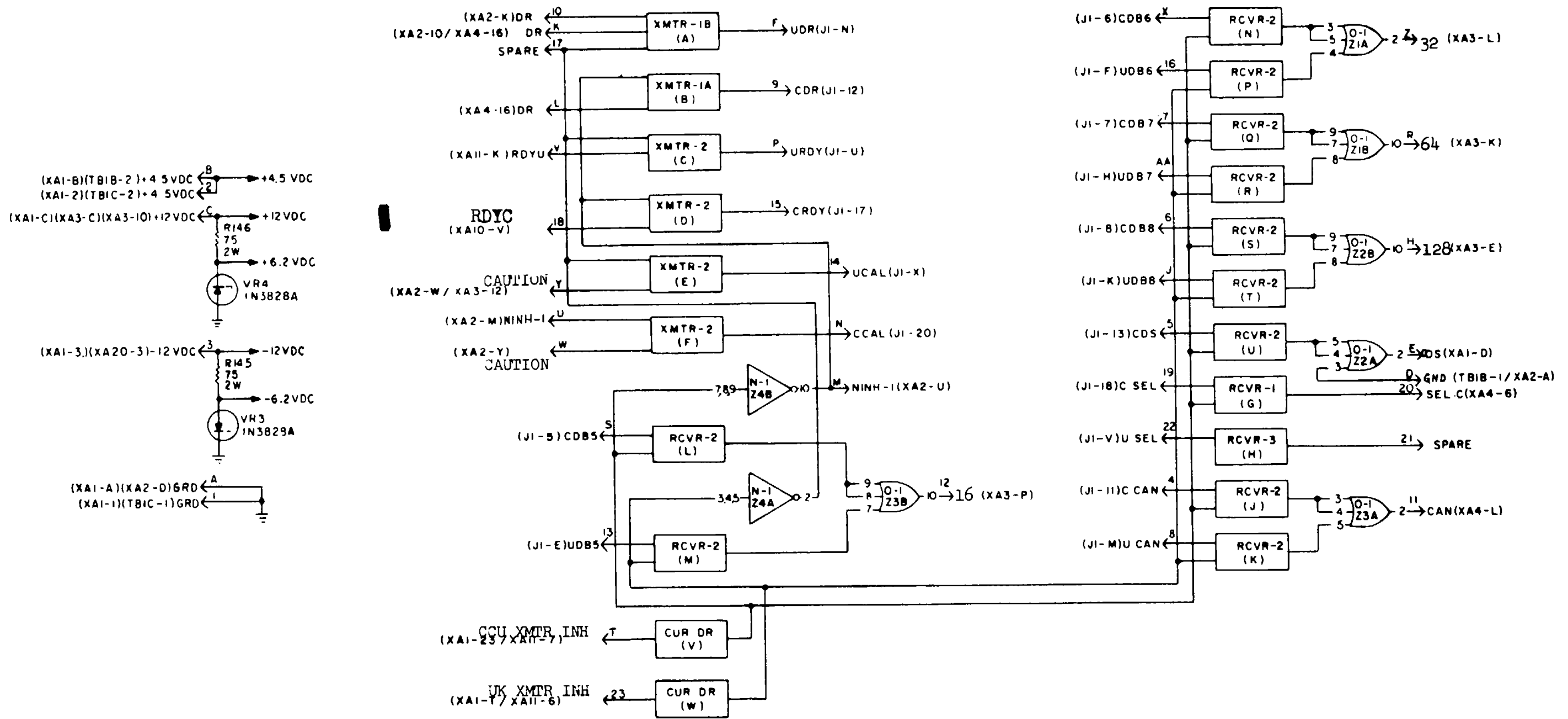
NOTES:

- PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; (TB2-2B/XA2-3) -12VDC
 FOR COMPLETE DESIGNATION PREFIX WITH (TB2-1B/J3-L/XA2-C) +12VDC
 (XA2-2) +4.5VDC
 (XA2-B) +4.5VDC
 (XA2-1) GRD
 (XA2-A) GRD



POWER INPUT PINS					
	Z1 THRU Z4	Z14, Z15	Z8, Z11	Z10	Z5, Z6, Z7, Z9, Z12, Z13
+ 4.5VDC	6			7	10
GRD	1	7	4	5	4
+12 VDC		13	12	11	12
-12 VDC		1	14	1	6

Figure 8-5.1. Interface PC card A1A1 (No. A65219), logic diagram.

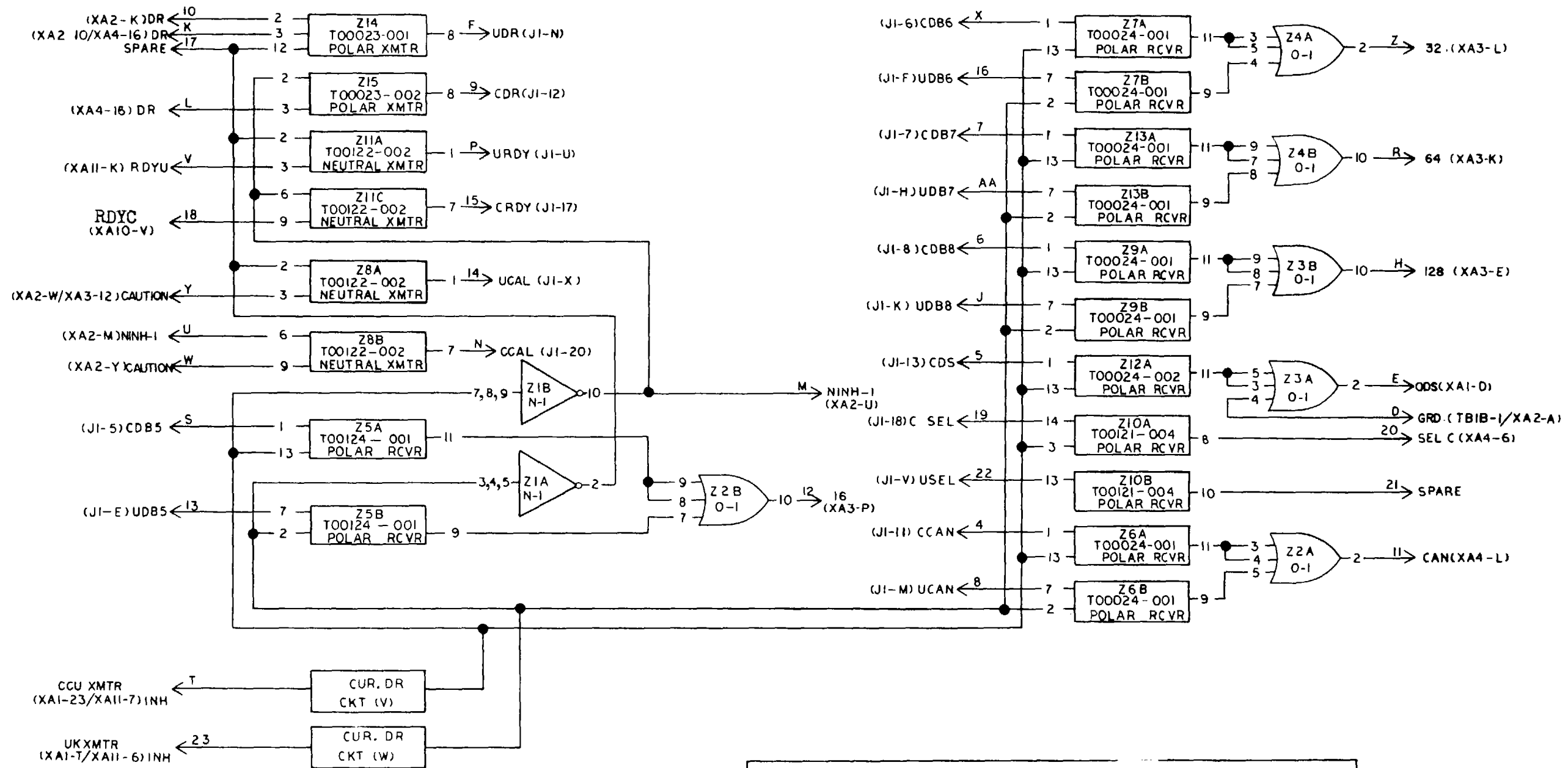


NOTE:

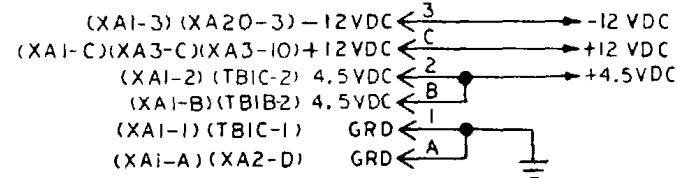
PARTIAL REFERENCE DESIGNATIONS ARE SHOWN;
 FOR COMPLETE DESIGNATION PREFIX WITH UNIT
 NUMBER OR SUBASSEMBLY DESIGNATION(S).

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Figure 8-6. Interface PC card A1A2 (No. A65201), logic diagram.

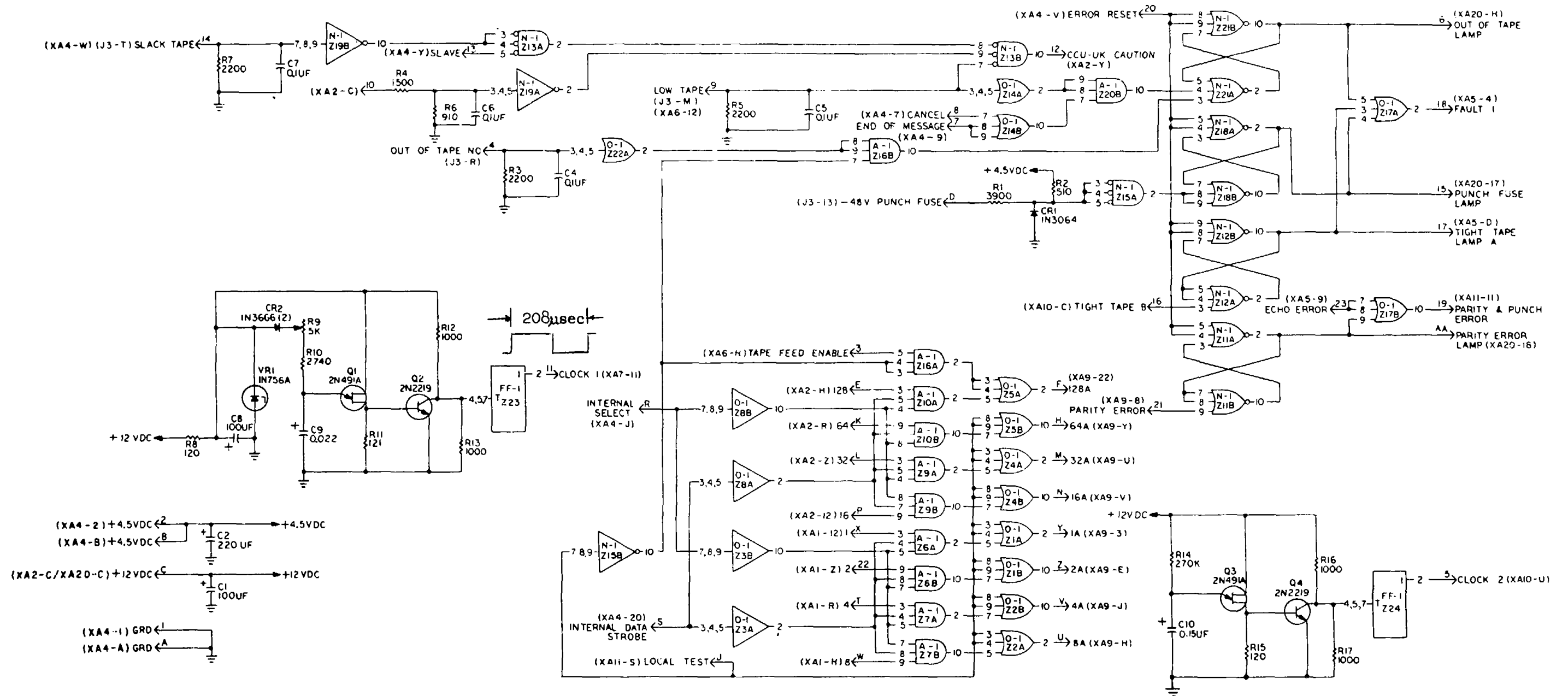


NOTE:
PARTIAL REFERENCE DESIGNATIONS
ARE SHOWN, FOR COMPLETE
DESIGNATION, PREFIX WITH UNIT
NUMBER OR SUBASSEMBLY
DESIGNATION(S).



POWER INPUT PINS					
	Z1 THRU Z4	Z14, Z15	Z6, Z11	Z10	Z5, Z6, Z7, Z9, Z12, Z13
+4.5VDC	6			7	10
GRD	1	7	4	5	4
+12VDC		13	12	11	12
		1	14	1	6

Figure 8-6.1. Interface PC card A1A2 (No. A65219), logic diagram.

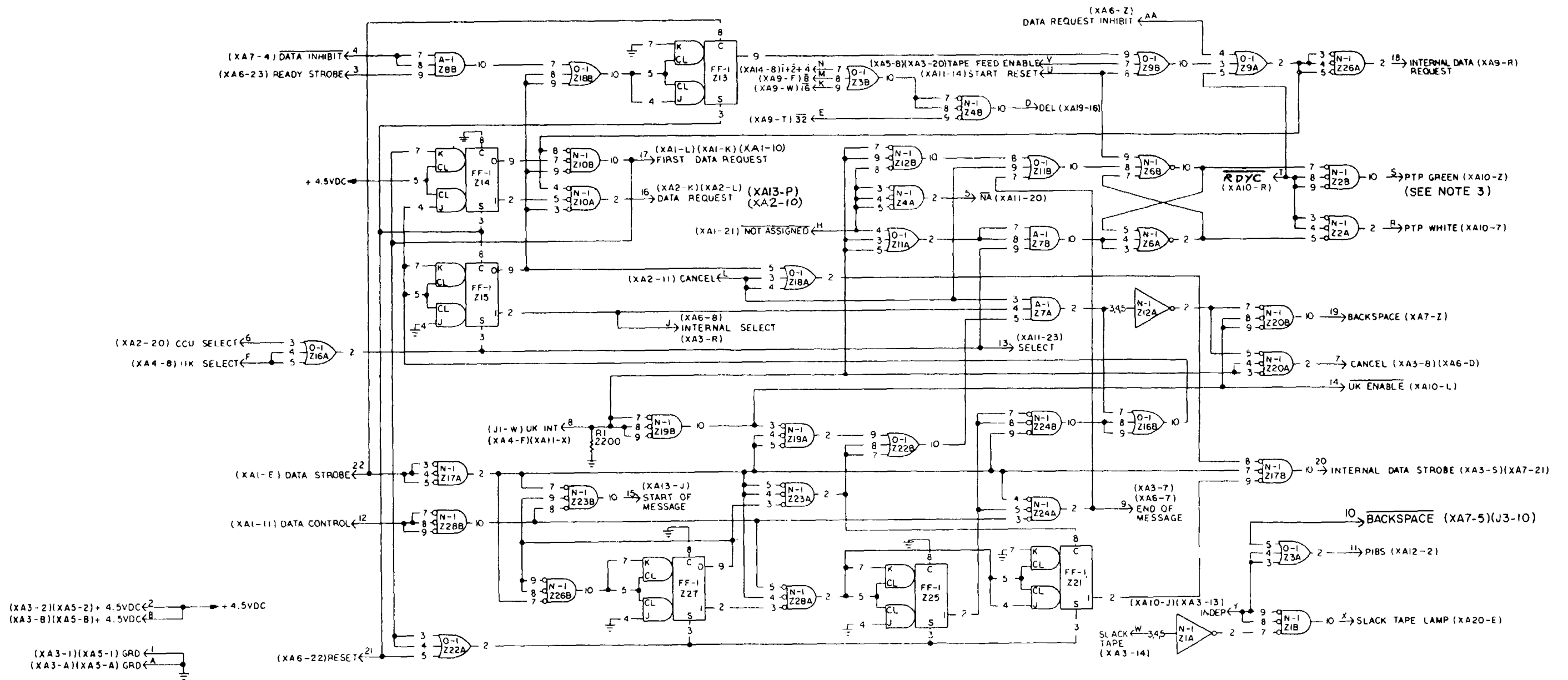


NOTES:

1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; FOR COMPLETE DESIGNATION PREFIX WITH UNIT NUMBER OR SUBASSEMBLY DESIGNATION(S).
2. UNLESS OTHERWISE SPECIFIED: ALL RESISTANCE VALUES ARE IN OHMS.

POWER INPUT PINS		
	Z23 & Z24	Z1 THRU Z22
+4.5VDC	6	6
GRD	1, 3, 2	1

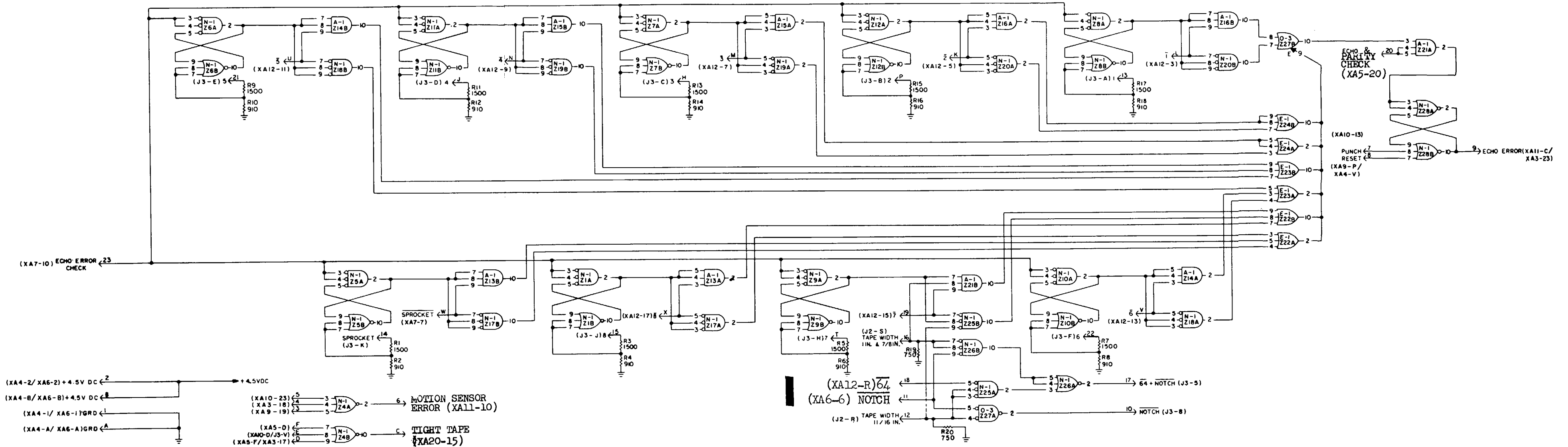
Figure 8-7. Data bits and fault detector PC card A1A3 (No. A65397), logic diagram.



- NOTES:
1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; FOR COMPLETE DESIGNATION, PREFIX WITH UNIT NUMBER OR SUBASSEMBLY DESIGNATION (S).
 2. UNLESS OTHERWISE SPECIFIED: ALL RESISTANCE VALUES ARE IN OHMS.
 3. TERMINAL S IS ALSO CONNECTED TO J4-Y ON EQUIPMENT MODIFIED BY MOTOR STOP ASSEMBLY A5 (MWO 11-7440-222-30/1)

POWER INPUT PINS	
Z1 THRU Z4, Z6 THRU Z28	
+4.5VDC	6
GRD	1

Figure 8-8. Interface control PC card A1A4 (No. A65393) logic diagram.

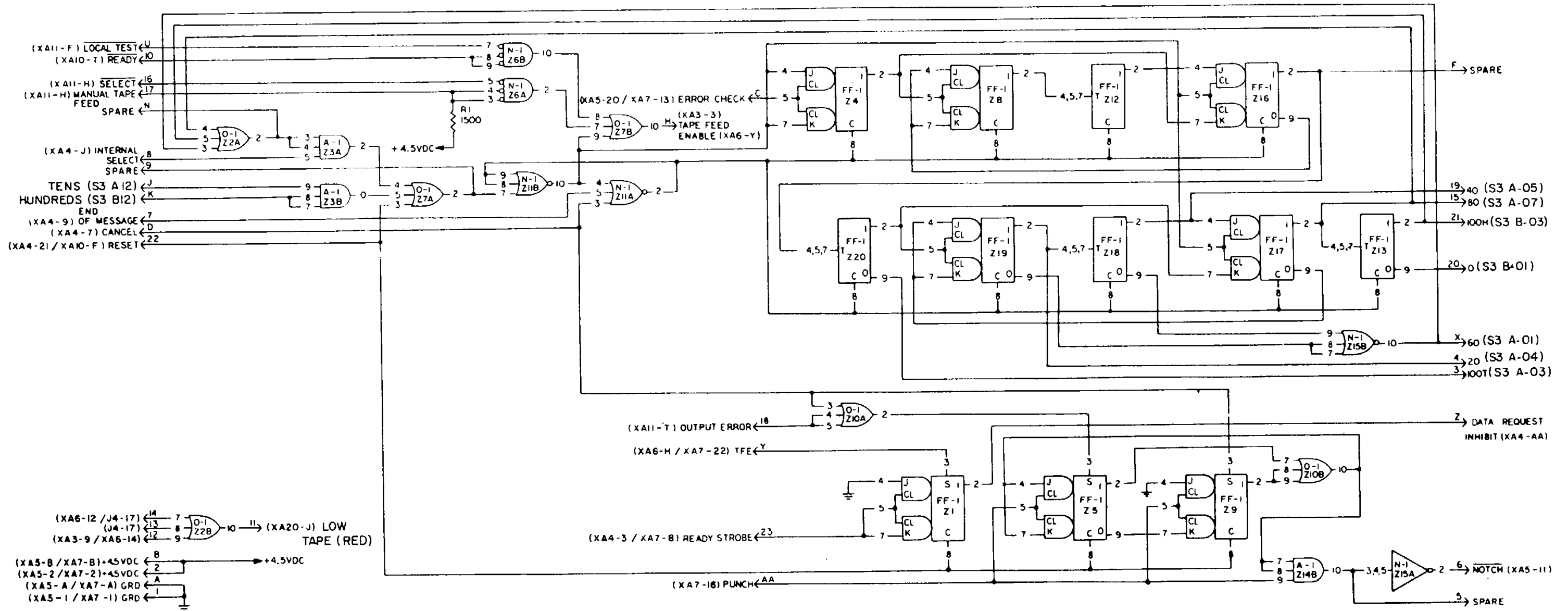


NOTES:
 1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; FOR COMPLETE DESIGNATION PREFIX WITH UNIT NUMBER OR SUBASSEMBLY DESIGNATION(S).
 2. UNLESS OTHERWISE SPECIFIED: ALL RESISTANCE VALUES ARE IN OHMS.

POWER INPUT PINS	
	Z1 THRU Z28
GRD	1
+4.5VDC	6

Figure 8-9. Punch register and notch control PC card A1A5 (No. A65361), logic diagram.

Change 6 8-19/(8-20 blank)



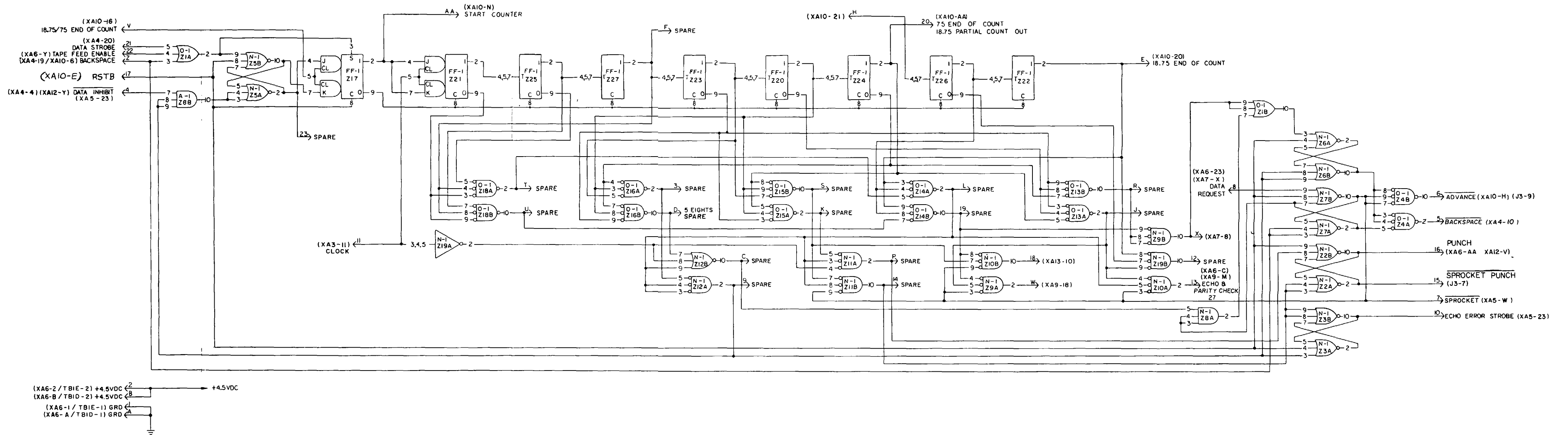
NOTE
 PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; FOR COMPLETE DESIGNATION PREFIX WITH UNIT NUMBER OR SUBASSEMBLY DESIGNATION(S).

POWER INPUT PINS			
	Z4, Z8, Z12, Z13, Z16 THRU Z20	Z22, Z3, Z5, Z6, Z7, Z10, Z11, Z14, Z15	Z1, Z9
+4.5VDC	6	6	6
GRD	1, 3	1	1, 4

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Figure 8-10. Tape feed control PC card A1A6 (No. A65365), logic diagram.

Change 4 8-21/(8-22 blank)

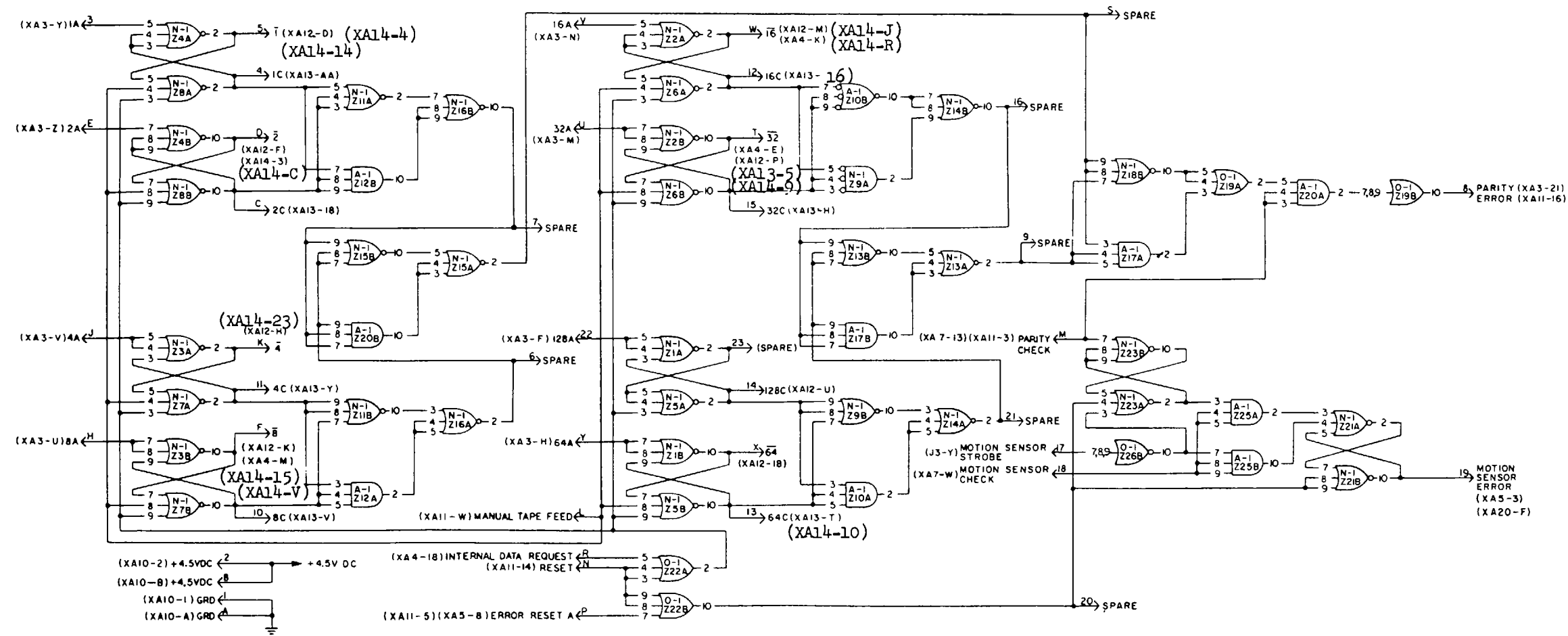


NOTE :
 PARTIAL REFERENCE DESIGNATIONS ARE SHOWN;
 FOR COMPLETE DESIGNATION PREFIX WITH UNIT
 NUMBER OR SUBASSEMBLY DESIGNATION(S).

POWER INPUT PINS		
	Z1 THRU Z19	Z20 THRU Z27
+4.5VDC	6	6
GRD	1	1,3

Figure 8-11. Timing generator PC card A1A7 (No. A65369), logic diagram.

Change 4 8-23/(8-24 blank)

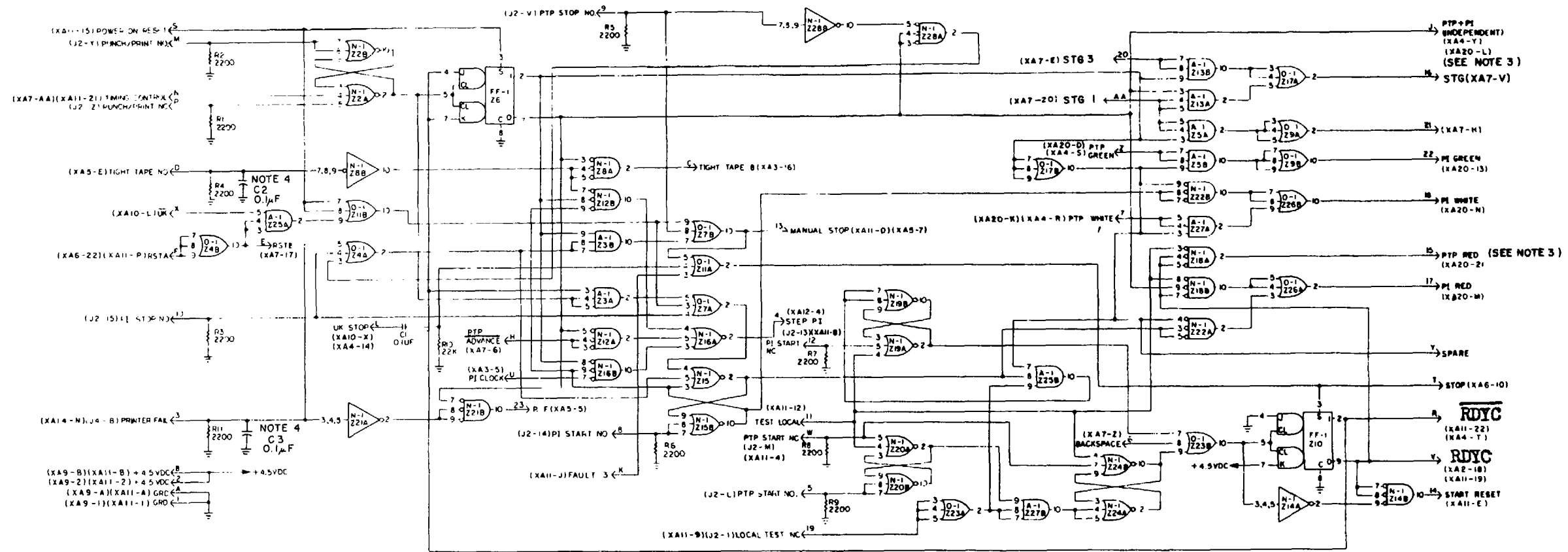


NOTES:
 PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; FOR COMPLETE DESIGNATION
 PREFIX WITH UNIT NUMBER OR SUBASSEMBLY DESIGNATION(S).

	POWER INPUT PINS
	Z1 THRU Z23,Z25,Z26
+4.5VDC	6
GRD	1

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Figure 8-12. Data register PC card A1A9 (No. A65373), logic diagram.

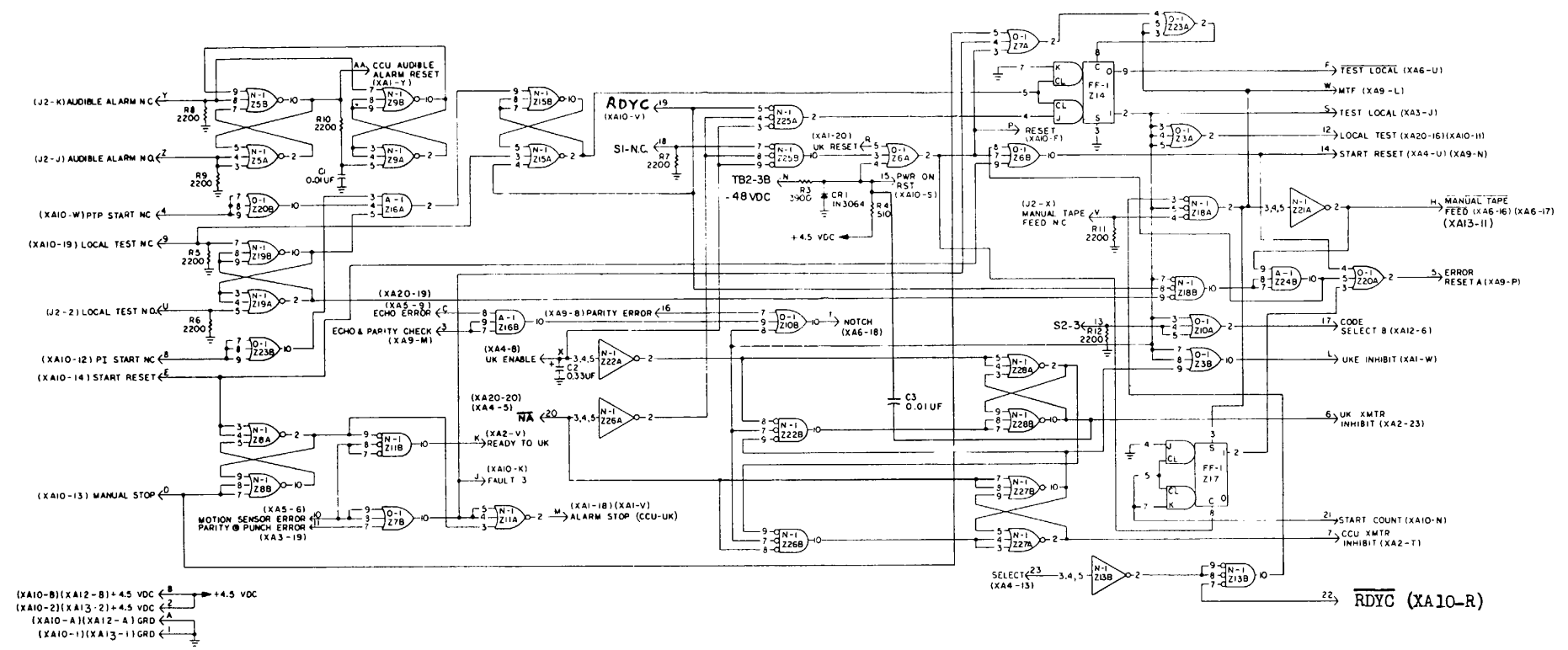


POWER INPUT PINS	
+4.5VDC	6
GRD	1

- NOTES
- PARTIAL REFERENCE DESIGNATIONS ARE SHOWN, FOR COMPLETE DESIGNATION PREFIX WITH UNIT NUMBER OR SUBASSEMBLY DESIGNATION(S)
 - UNLESS OTHERWISE SPECIFIED ALL RESISTANCE VALUES ARE IN OHMS
 - FOLLOWING ADDITIONAL CONNECTIONS ARE MADE ON EQUIPMENT MODIFIED BY MOTOR STOP ASSEMBLY A5 (MWO11-7440-222-30/1)
A1A10-J TO A1J4-V
A1A10-15 TO A1J4-X
 - C2 AND C3 ADDED BY MWO 11-7440-222-30/1.

TM 7440-222-15-C5-114

Figure 8-13. Status Detector PC card A1A10 (No. A65385), logic diagram.



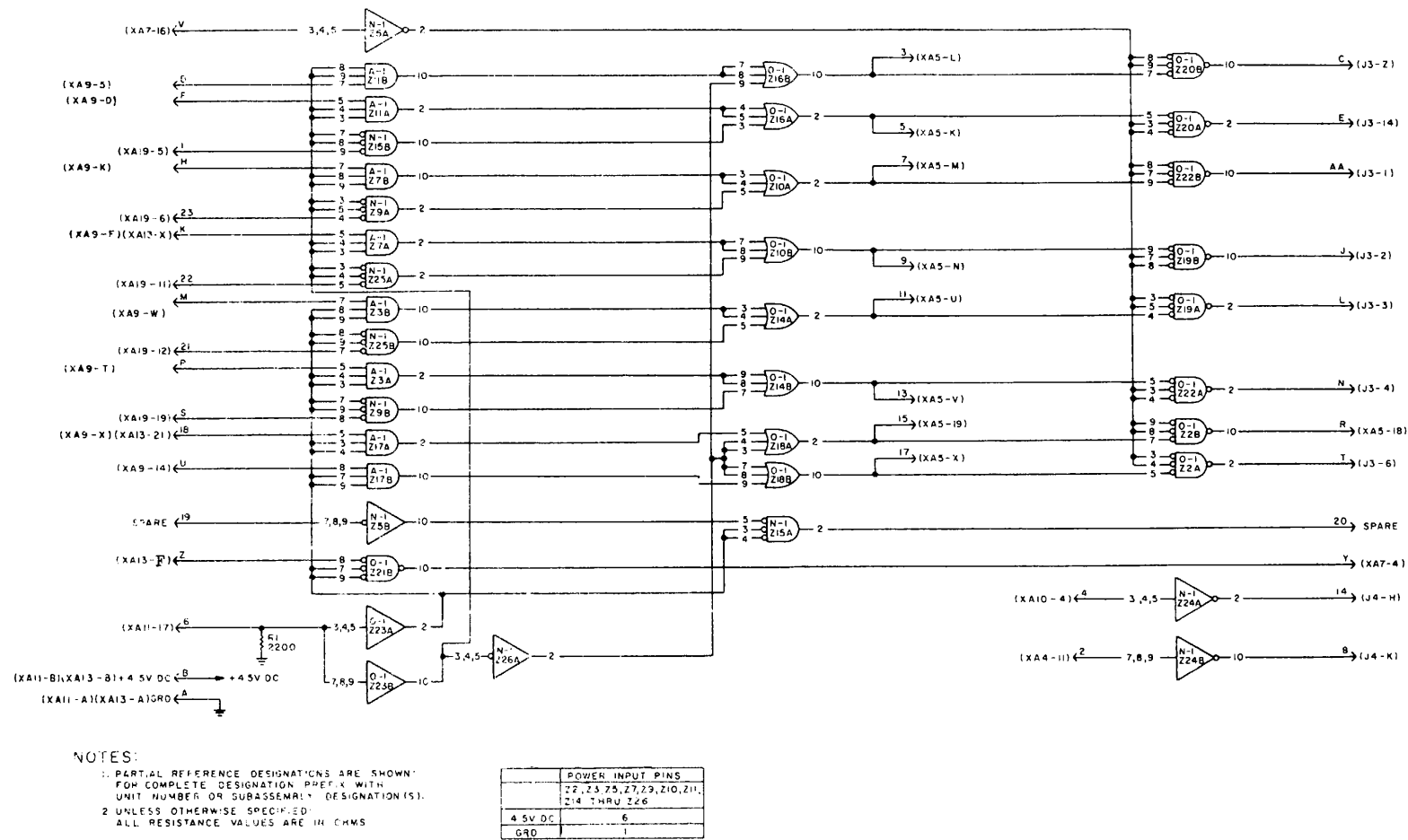
NOTES:
 1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; FOR COMPLETE DESIGNATION PREFIX WITH UNIT NUMBER OR SUBASSEMBLY DESIGNATION(S).
 2. UNLESS OTHERWISE SPECIFIED: ALL RESISTANCE VALUES ARE IN OHMS.

POWER INPUT PINS	
7, 13, 25 THRU 211, 213 THRU 228	
+4.5 VDC	6
GRD	1

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Figure 8-14. Control logic PC card A1A11 (No. A 65389), logic diagram.

Change 5 8-27



NOTES:
 1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN FOR COMPLETE DESIGNATION PREFIX WITH UNIT NUMBER OR SUBASSEMBLY DESIGNATION (S).
 2. UNLESS OTHERWISE SPECIFIED, ALL RESISTANCE VALUES ARE IN OHMS.

CODE INPUT PINS		
PINS	ASCII MODE	ITA #2 MODE
V	PCH	PCH
D	1	
F	2	
1		T
H	4	
23		2
K	8	
22		4
M	16	
21		8
P	32	
S		16
18	64	
U	128	
19	DI	DI
Z	NDI	NDI
6	CSEL	CSEL
3		
5		
7		
9		
11		
13		
15		
17		

CODE OUTPUT PINS		
PINS	ASCII MODE	ITA #2 MODE
AA	4	2
J	8	4
L	16	8
N	32	16
R	64	
T	128	
20	DI	DI
V	NDI	NDI
14	PI NADV RST	PI NADV RST
8	BSP	BSP
4	PI NADV RST	PI NADV RST
2	NBSP	NBSP
C	T	
E	2	1

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Figure 8-15. Code monitor PC card A1A12 (no. A53584), logic diagram.

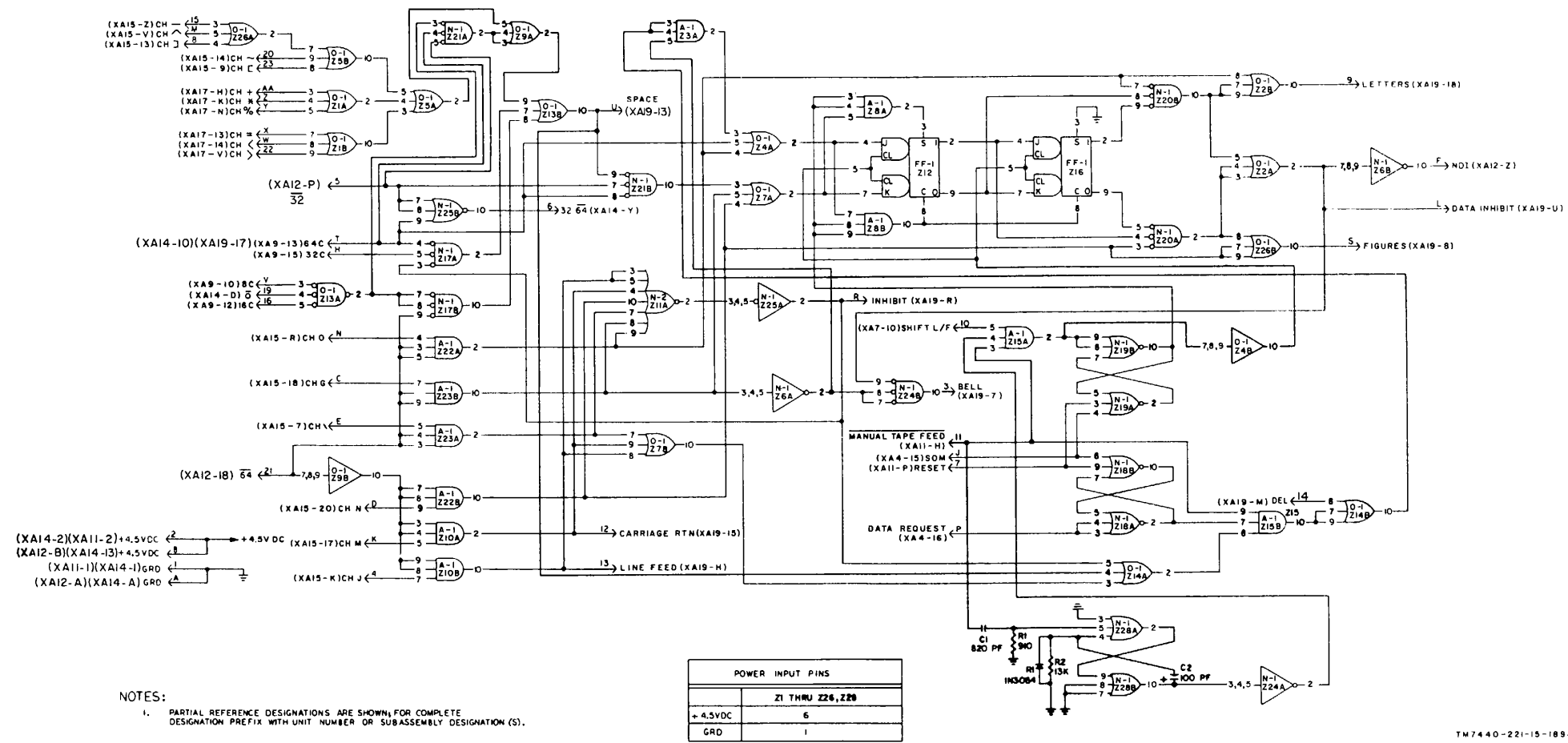
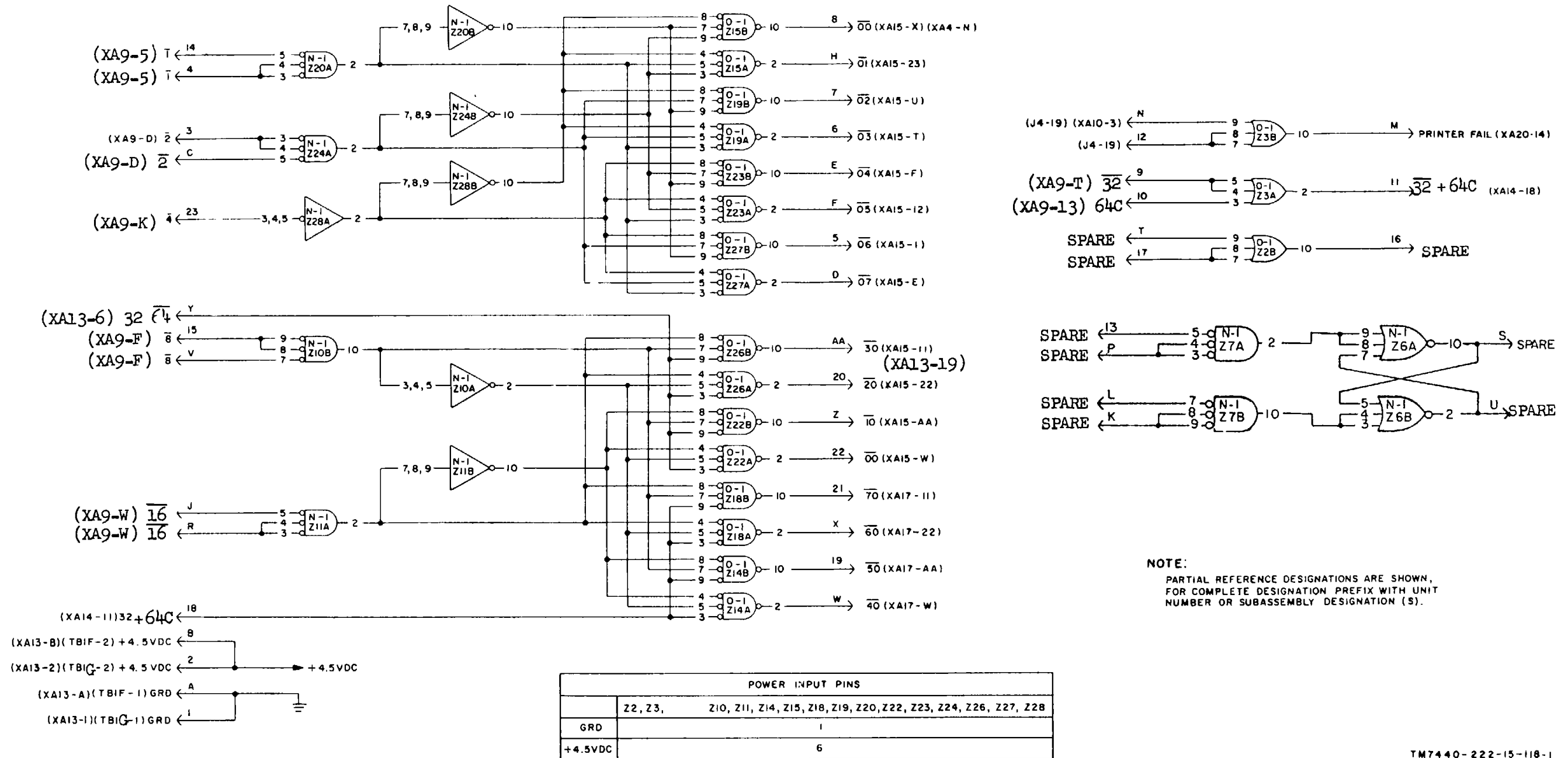


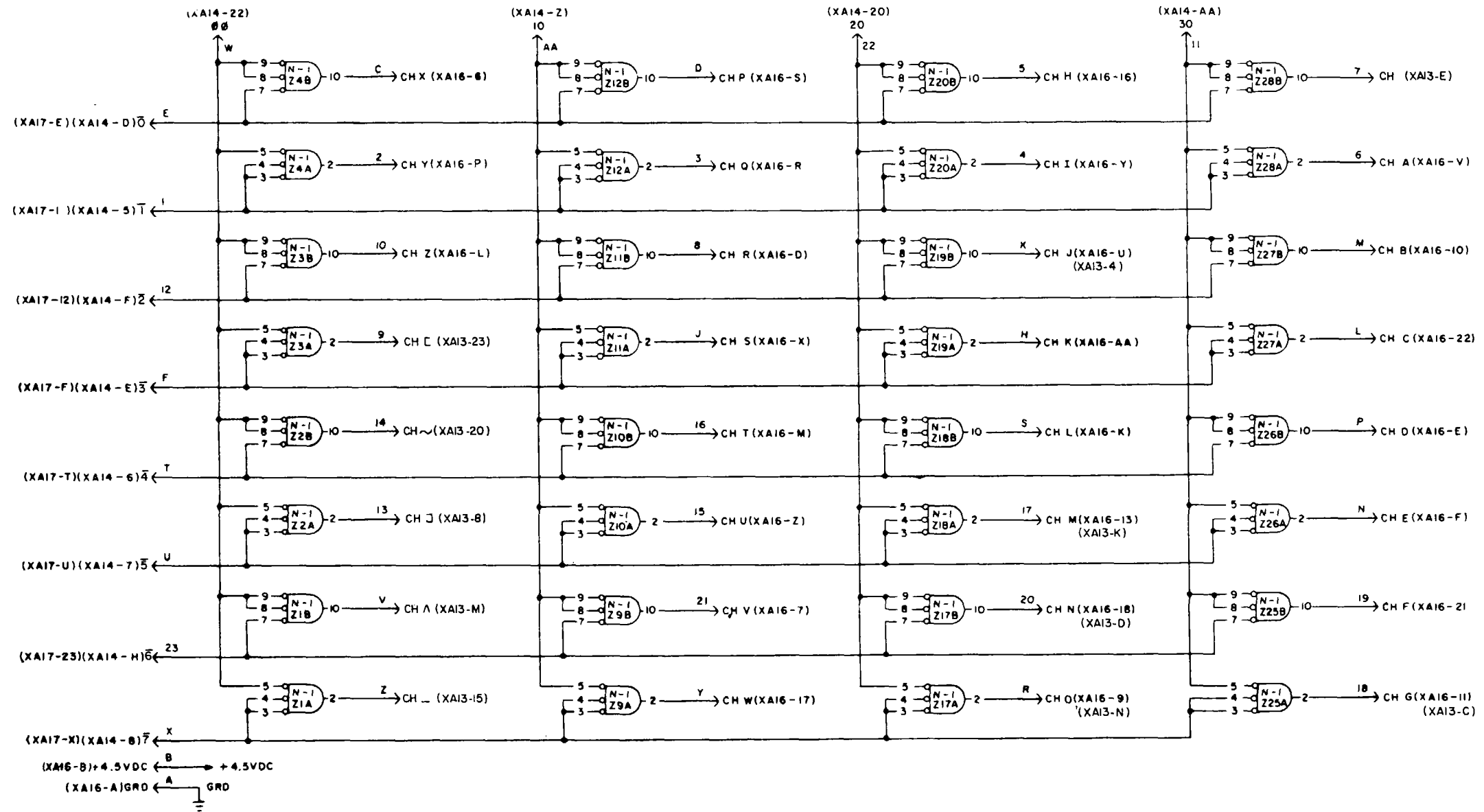
Figure 8-16. Control functions PC card A1A13 (No. A65441), logic diagram.

Change 4 8-29



NOTE:
PARTIAL REFERENCE DESIGNATIONS ARE SHOWN,
FOR COMPLETE DESIGNATION PREFIX WITH UNIT
NUMBER OR SUBASSEMBLY DESIGNATION (S).

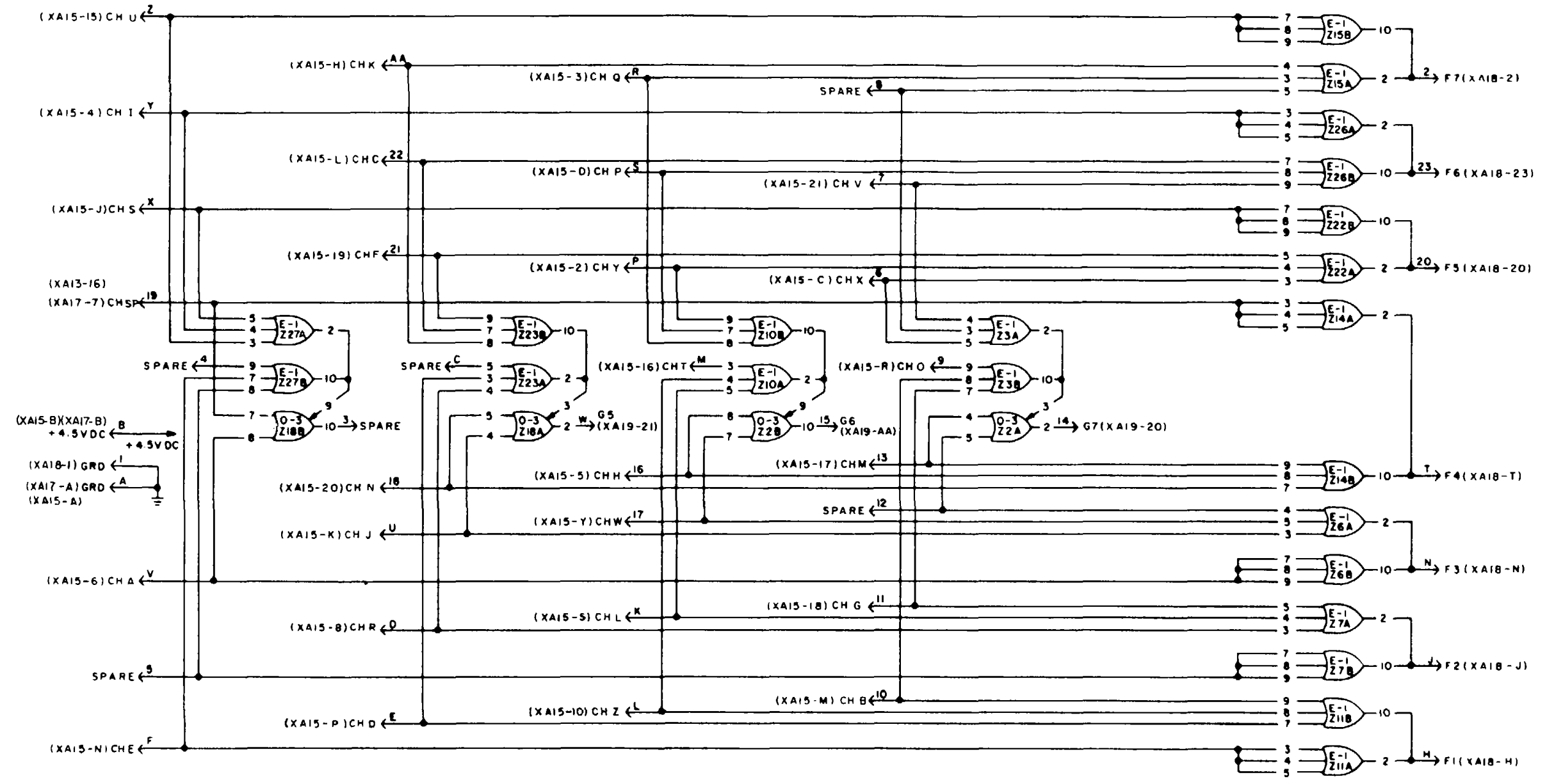
Figure 8-17. ASCII detector PC card A1A14 (No. A53418), logic diagram.



NOTE:
 PARTIAL REFERENCE DESIGNATIONS ARE SHOWN;
 FOR COMPLETE DESIGNATION PREFIX WITH UNIT NUMBER
 OR SUBASSEMBLY DESIGNATION (S).

TM7440-222-15-119-1

Figure 8-18. Decode matrix PC card A1A15 (No. A53725), logic diagram.

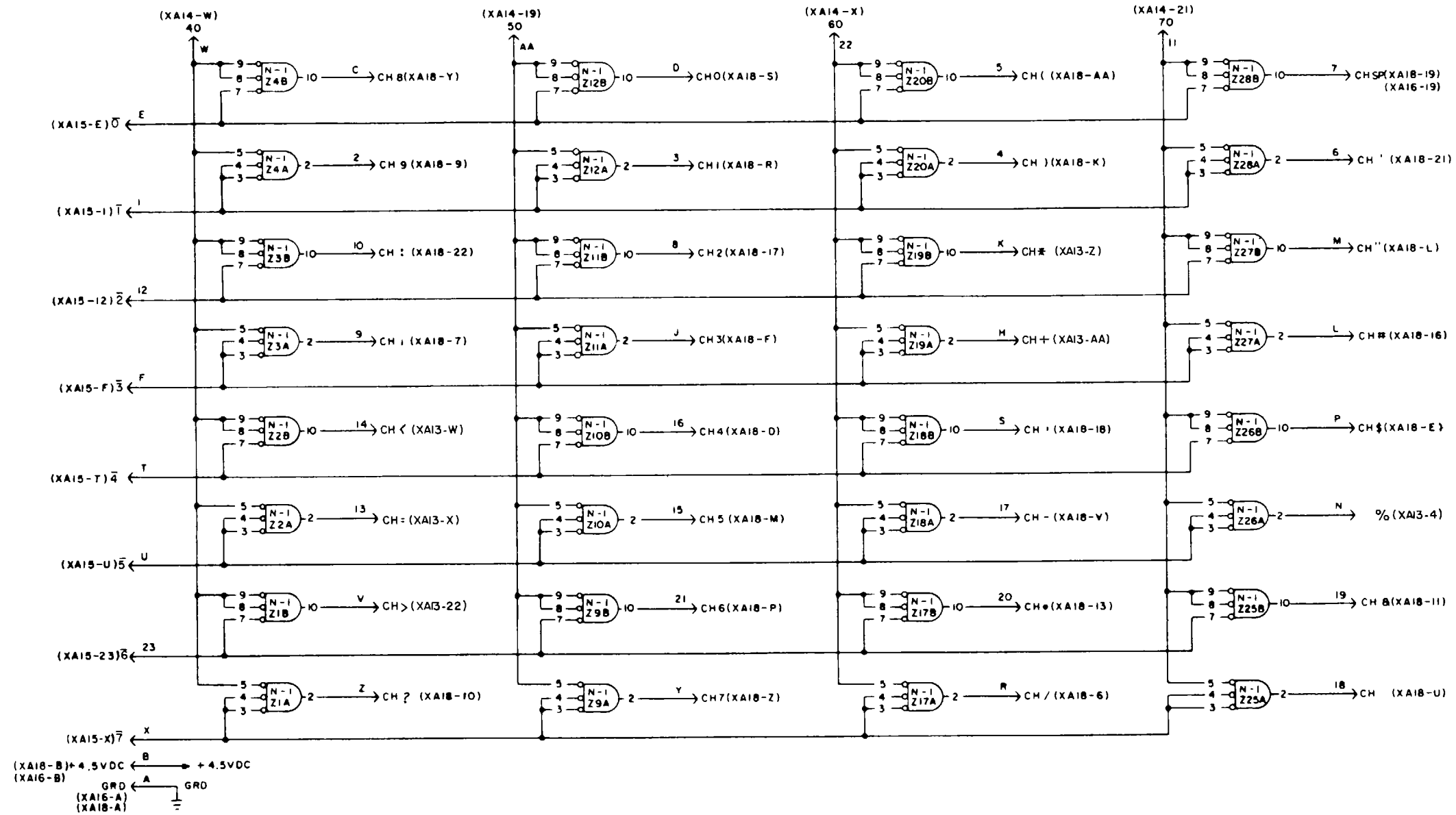


NOTE
 PARTIAL REFERENCE DESIGNATIONS ARE SHOWN;
 FOR COMPLETE DESIGNATION PREFIX WITH UNIT
 NUMBER OR SUBASSEMBLY DESIGNATION (S)

POWER INPUT PINS	
	Z2, Z3, Z6, Z7, Z10, Z11, Z14, Z15, Z18, Z22, Z23, Z26, Z27
GRD	1
+4.5V DC	6

TM 7440-222-15-120-1

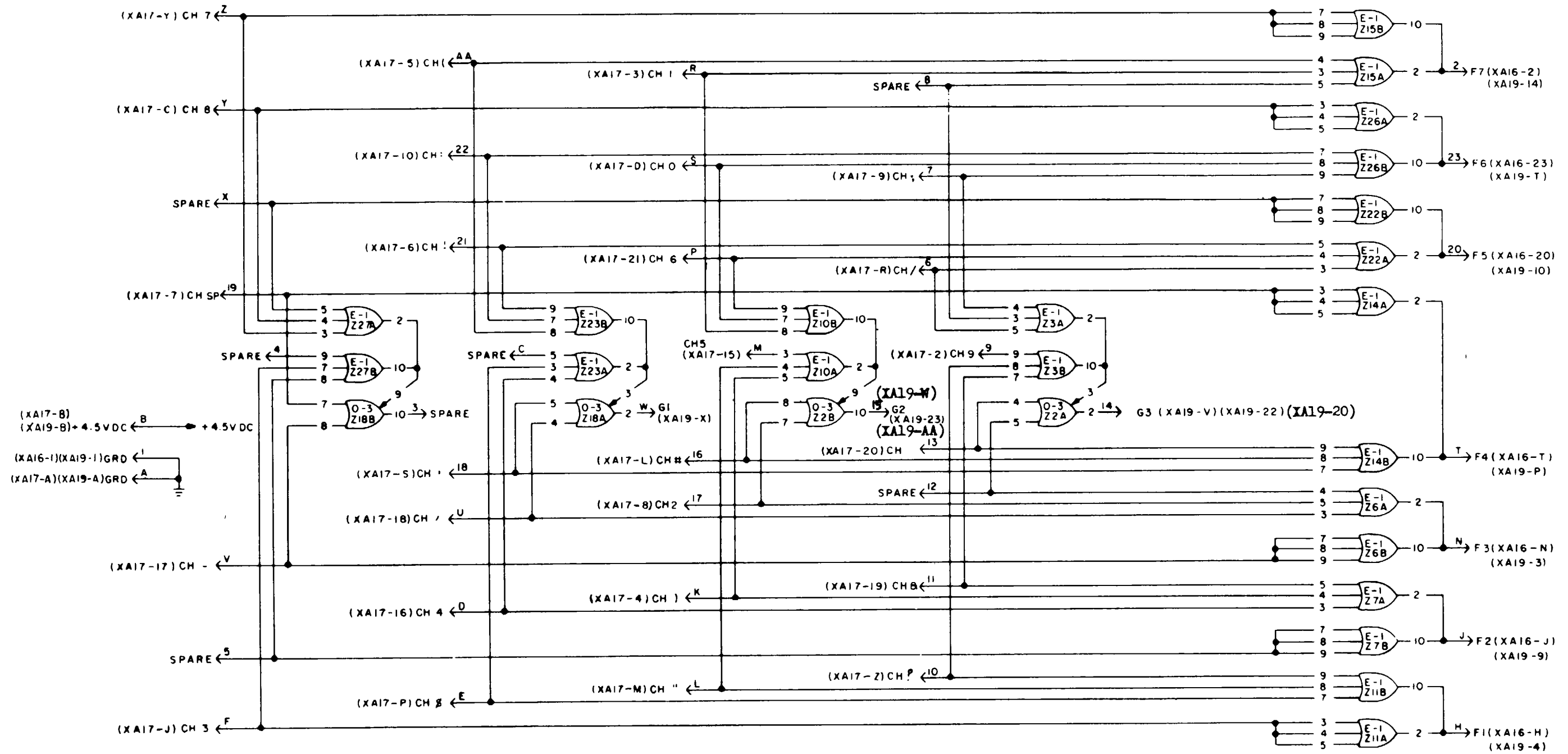
Figure 8-19. Encode matrix PC card A1A16 (No. A53721), logic diagram.



NOTE:
 PARTIAL REFERENCE DESIGNATIONS ARE SHOWN;
 FOR COMPLETE DESIGNATION PREFIX WITH UNIT NUMBER
 OR SUBASSEMBLY DESIGNATION (S).

TM7440-222-15-121-1

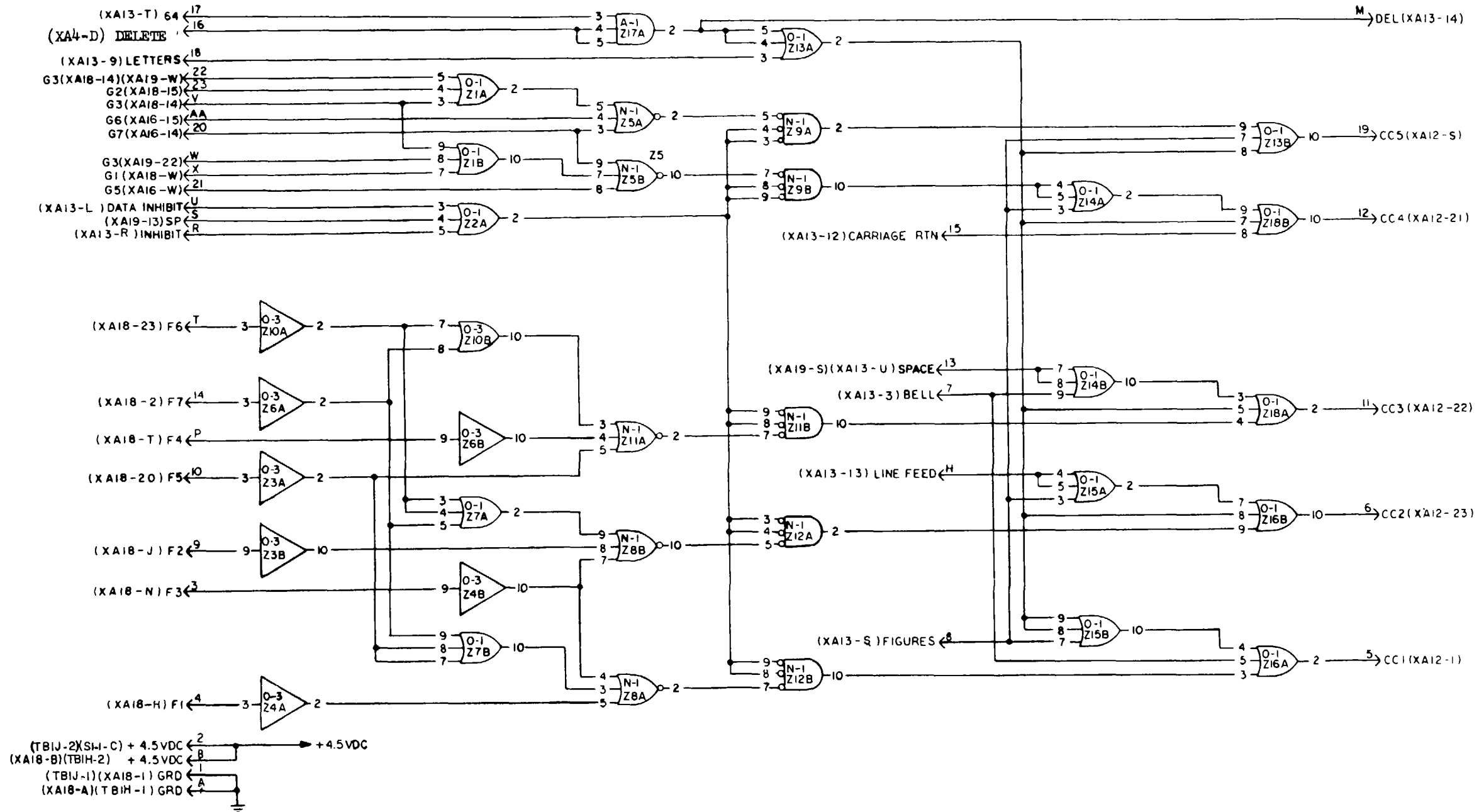
Figure 8-20. Decode matrix PC card A1A17 (No. A53725), logic diagram.



NOTE
 PARTIAL REFERENCE DESIGNATIONS ARE SHOWN,
 FOR COMPLETE DESIGNATION PREFIX WITH UNIT
 NUMBER OR SUBASSEMBLY DESIGNATION(S)

POWER INPUT PINS	
	Z2, Z3, Z6, Z7, Z10, Z11, Z14, Z15 Z18, Z22, Z23, Z26, Z27
GRD	1
+ 4.5V DC	6

Figure 8-21. Encode matrix PC card A1A18 (No. A53721),
 Change 4 8-35/(8-36 blank)



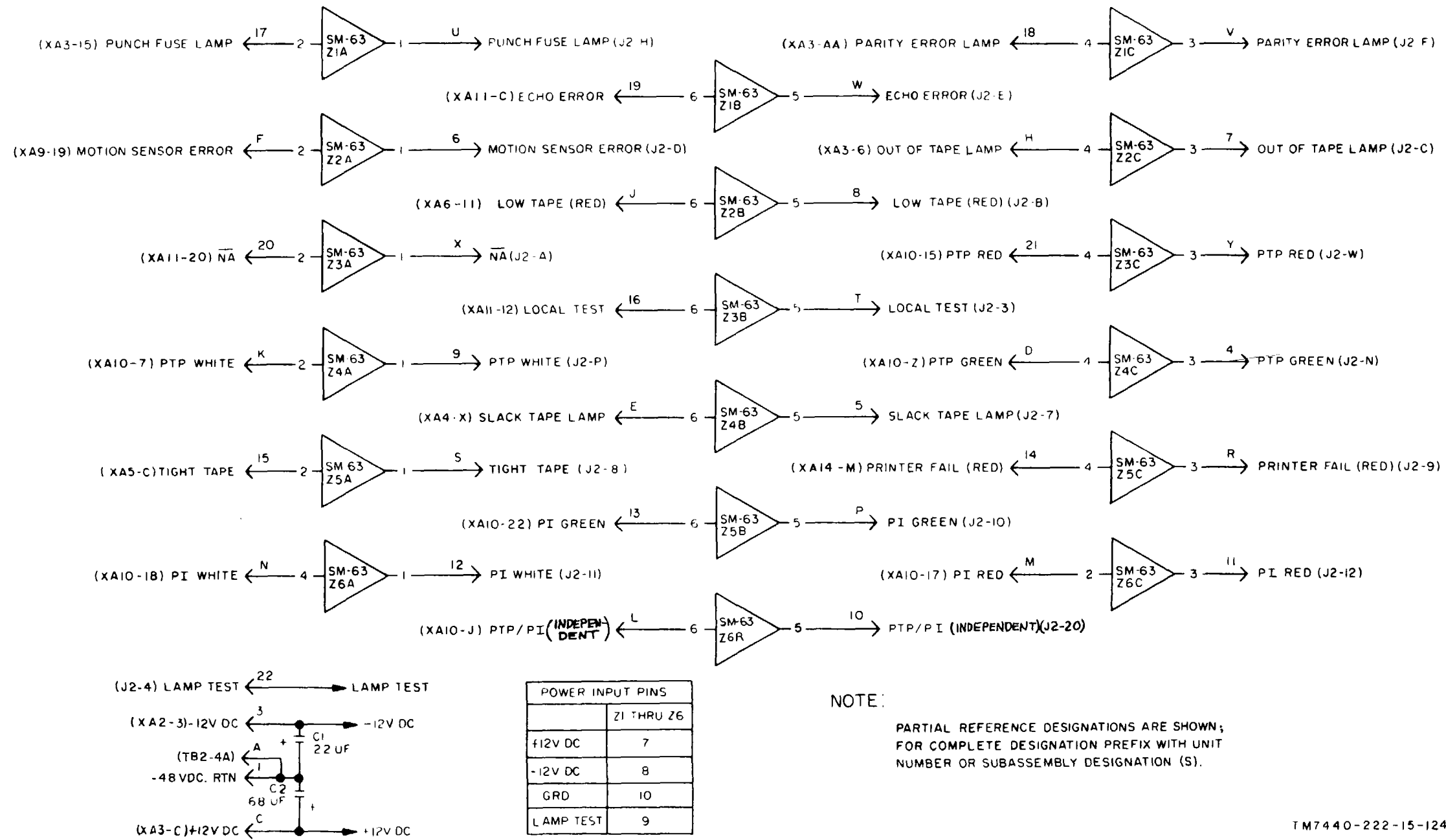
NOTE:

PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; FOR COMPLETE DESIGNATION PREFIX WITH UNIT NUMBER OR SUBASSEMBLY DESIGNATION(S).

POWER INPUT PINS			
	Z10	Z3, Z4, Z6	Z1, Z2, Z5, Z7, Z8, Z9, Z11, Z12, Z13, Z14, Z15, Z16, Z17, Z18
+4.5VDC	6	6	6
GRD	1, 4, 5	1, 4, 5, 7, 8	1

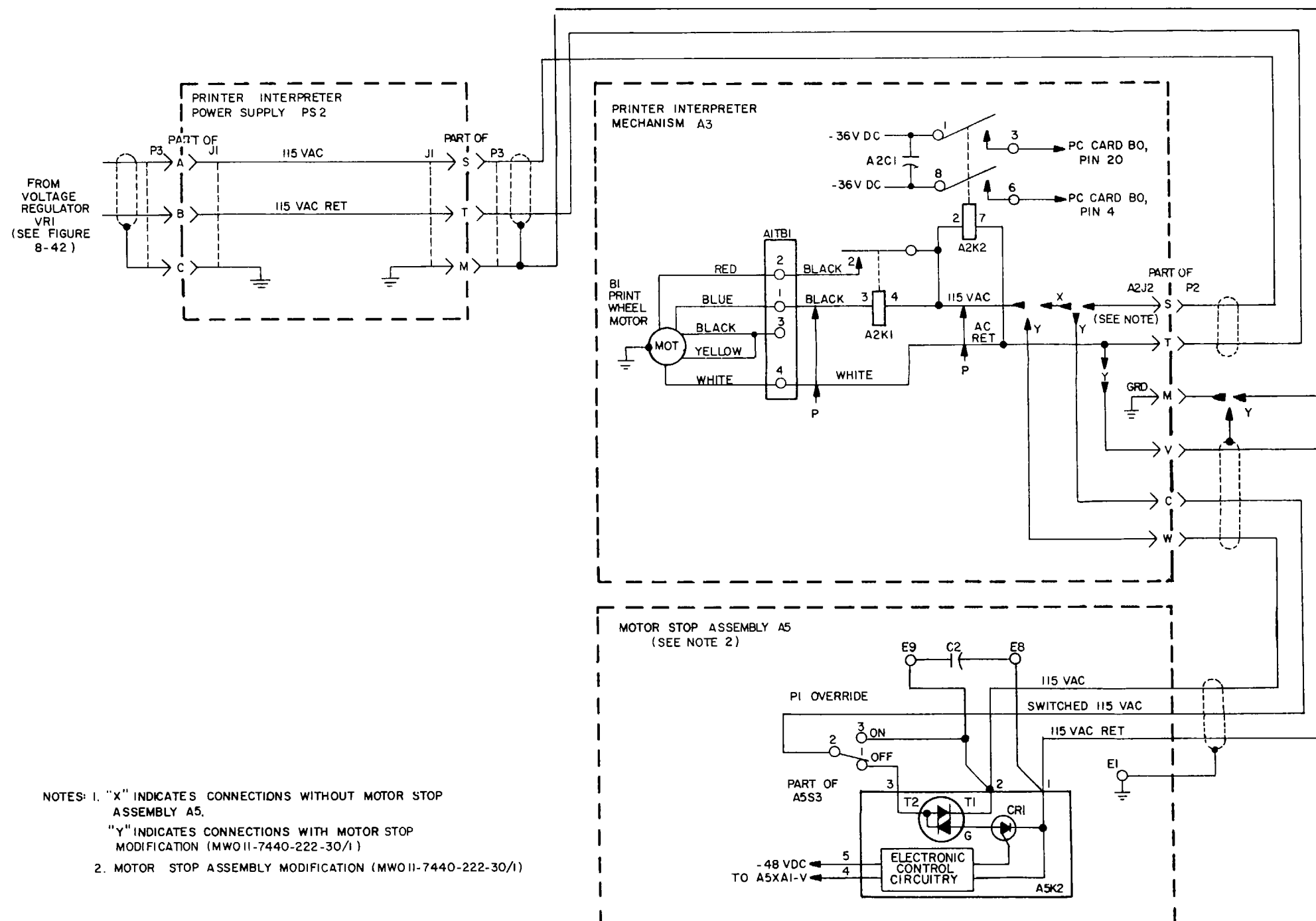
TM7440-222-15-123-1

Figure 8-22. ITA-2 converter PC card A1A19 (No. A65373), logic diagram.



TM7440-222-15-124-1

Figure 8-23. Lamp driver PC card A1A20 (No, SM-E-546656), logic diagram.



NOTES: 1. "X" INDICATES CONNECTIONS WITHOUT MOTOR STOP ASSEMBLY A5.
 "Y" INDICATES CONNECTIONS WITH MOTOR STOP MODIFICATION (MWO11-7440-222-30/1)
 2. MOTOR STOP ASSEMBLY MODIFICATION (MWO11-7440-222-30/1)

TM 7440-222-15-C1-125

Figure 8-24. Ac circuits, schematic diagram.

Change 4 8-39/(8-40 blank)

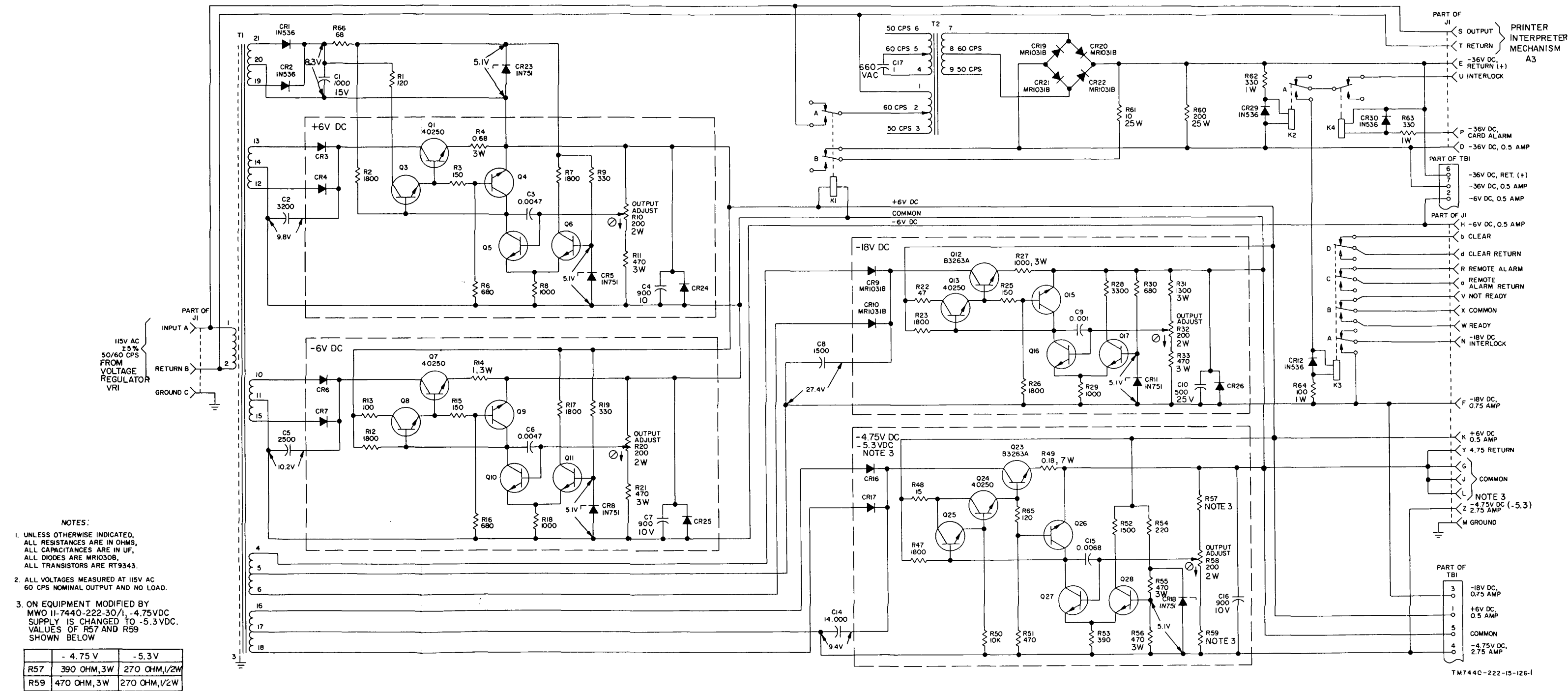


Figure 8-25. Power supply PS2, schematic diagram

Change 4 8-41/(8-42 blank)

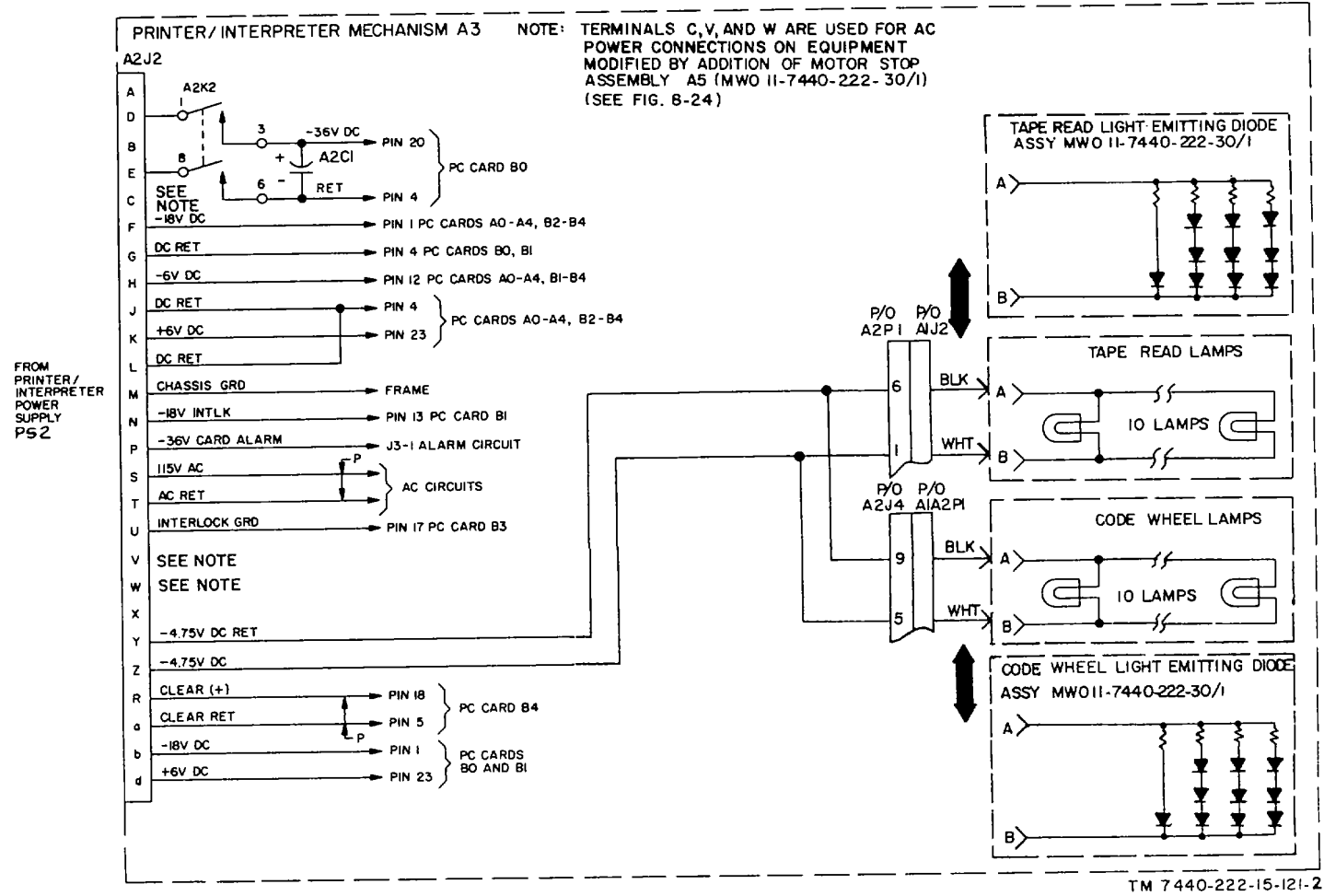


Figure 8-26. Dc distribution, schematic diagram.

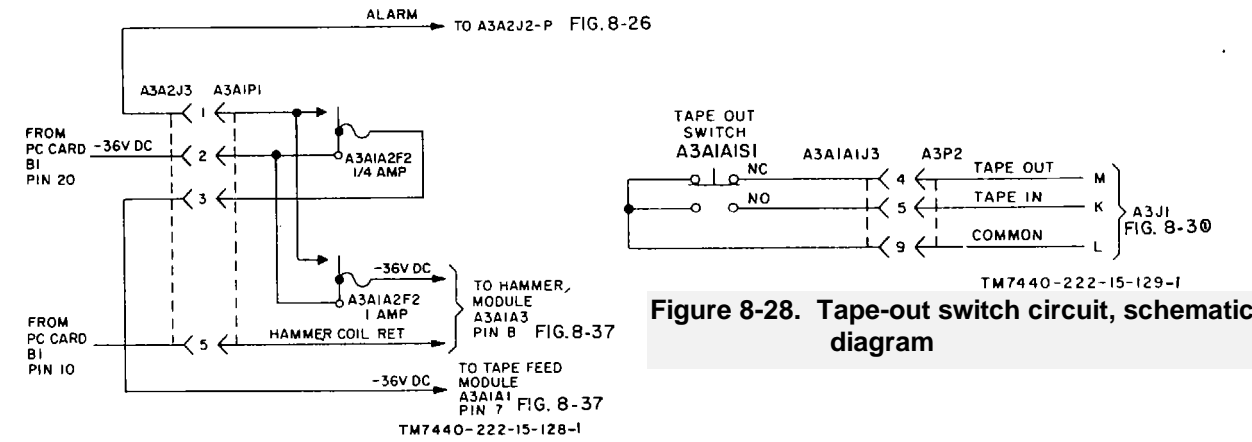


Figure 8-27. Alarm circuit, Schematic diagram.

Figure 8-28. Tape-out switch circuit, schematic diagram

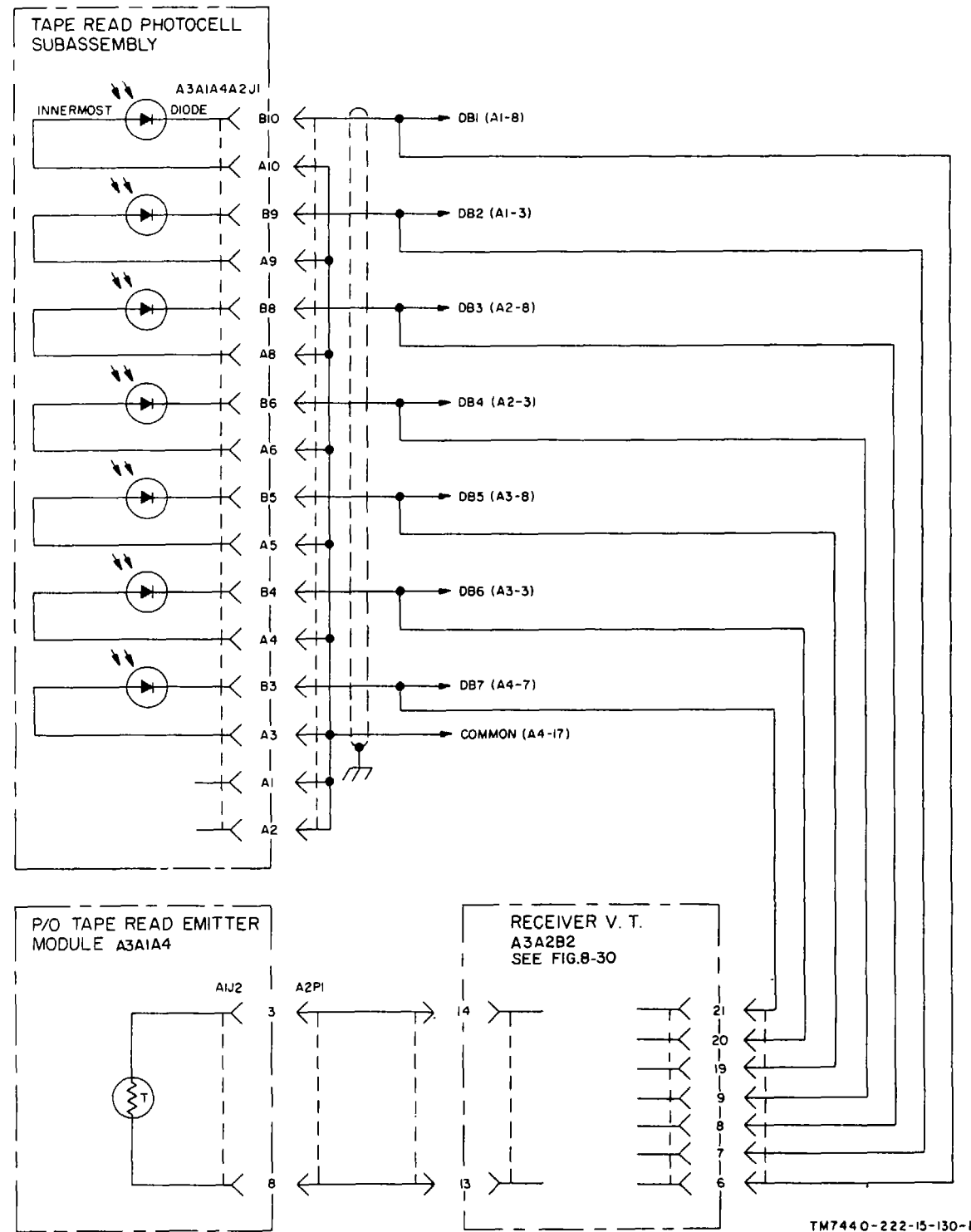


Figure 8-29. Tape-read photocells, schematic diagram .

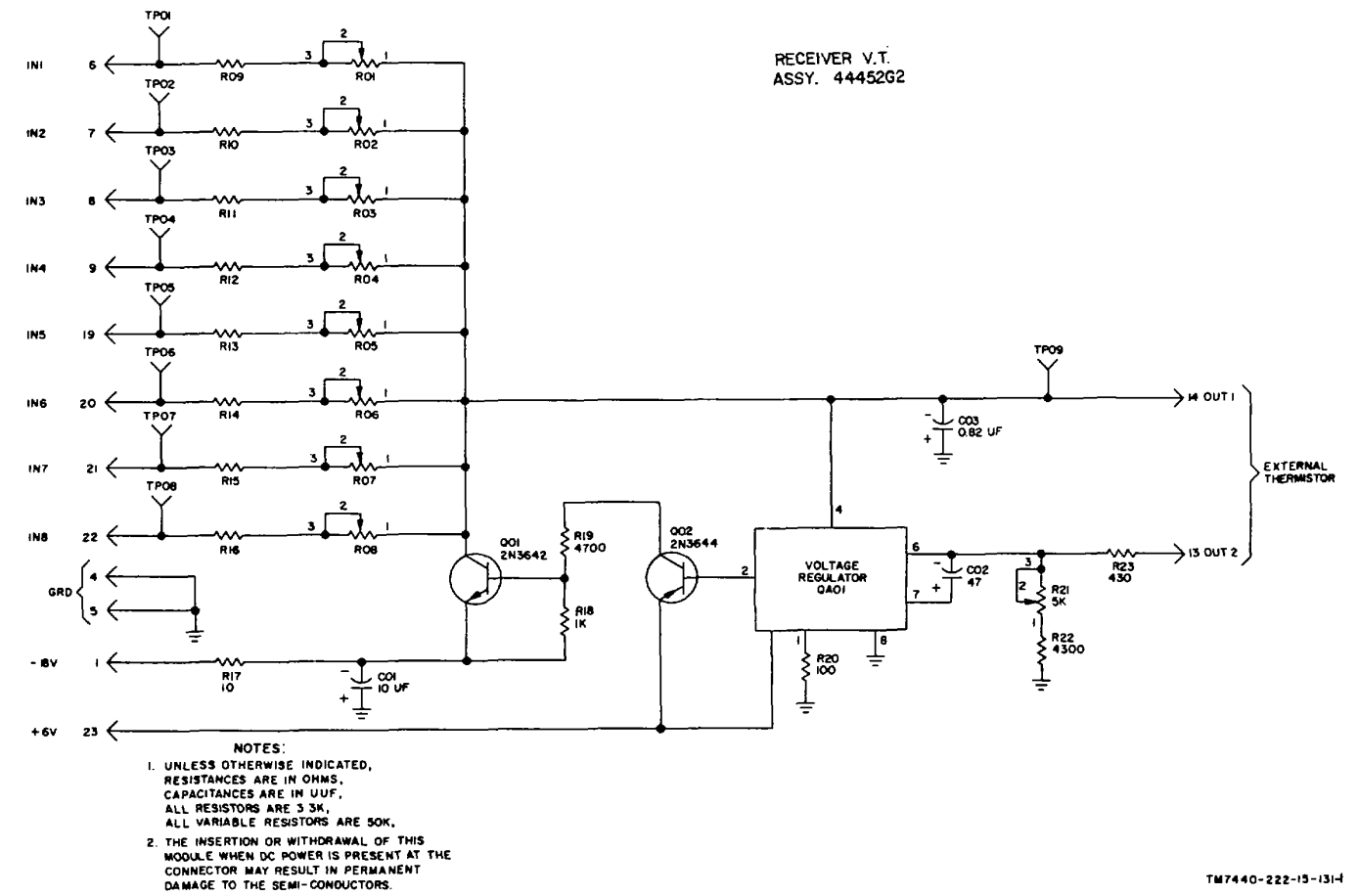


Figure 8-30. Variable threshold receiver, schematic diagram, PC CARD (A3A2B2)

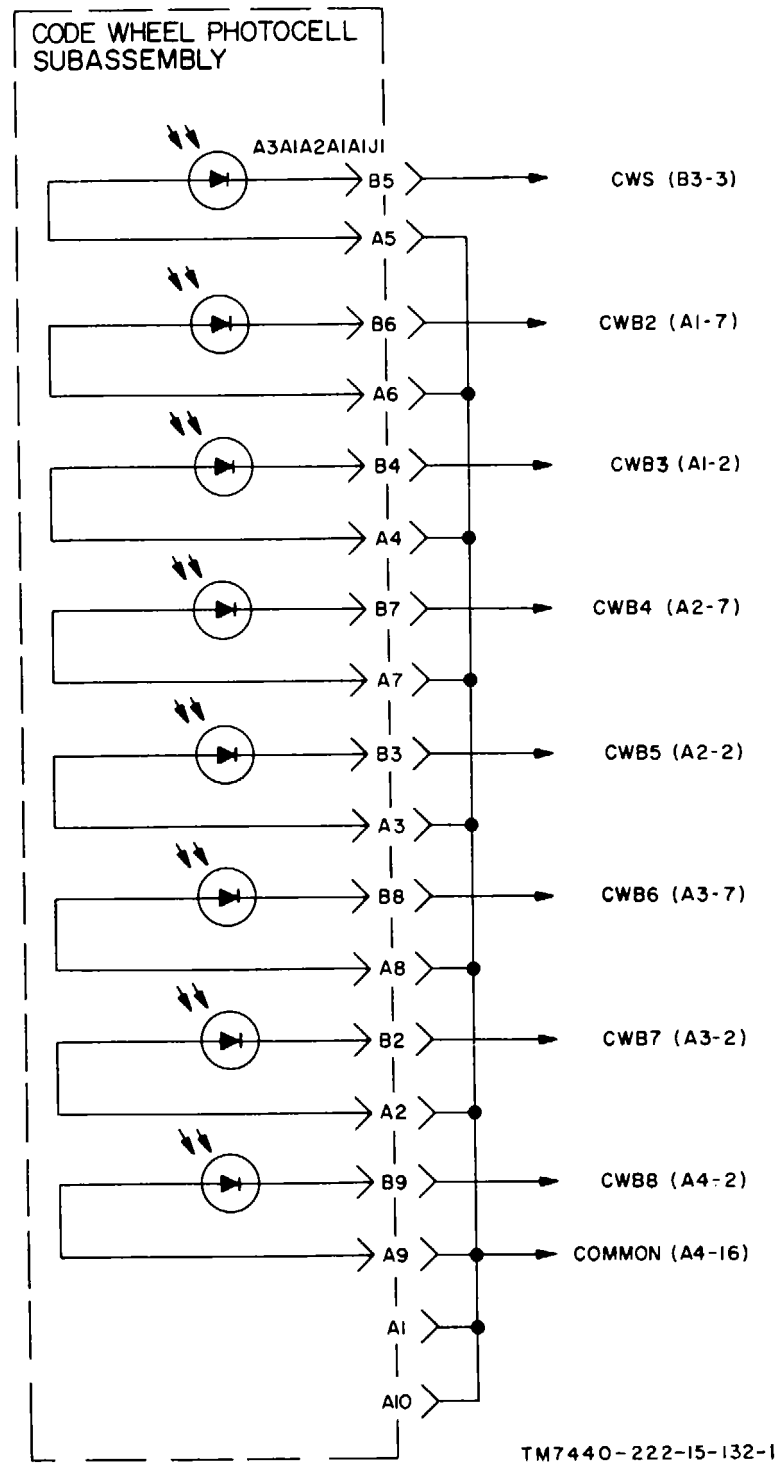


Figure 8-31. Code wheel photocell, schematic diagrams.

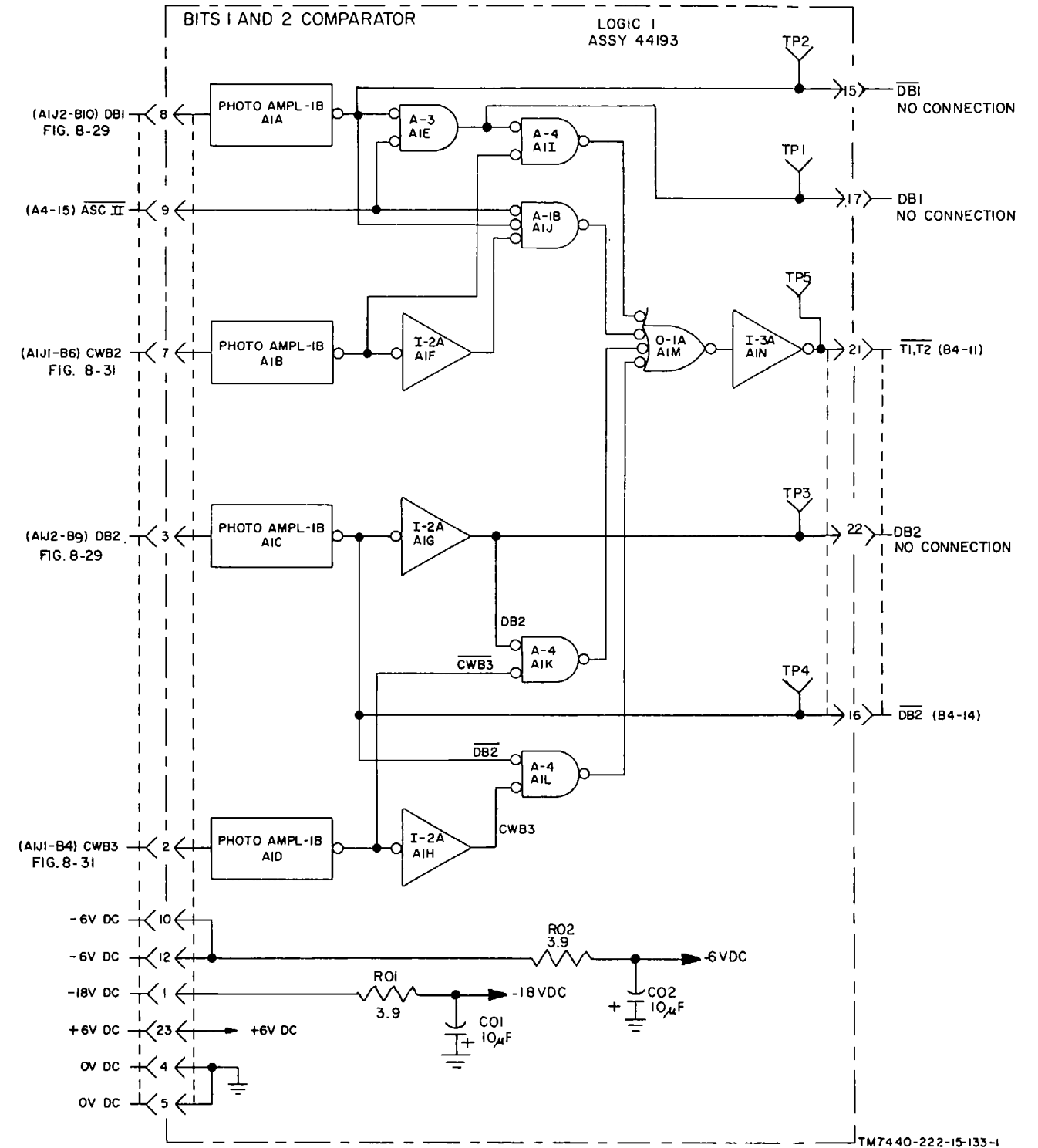


Figure 8-32. Bits 1 and 2 comparator, logic diagram, (PC card A3A1A)

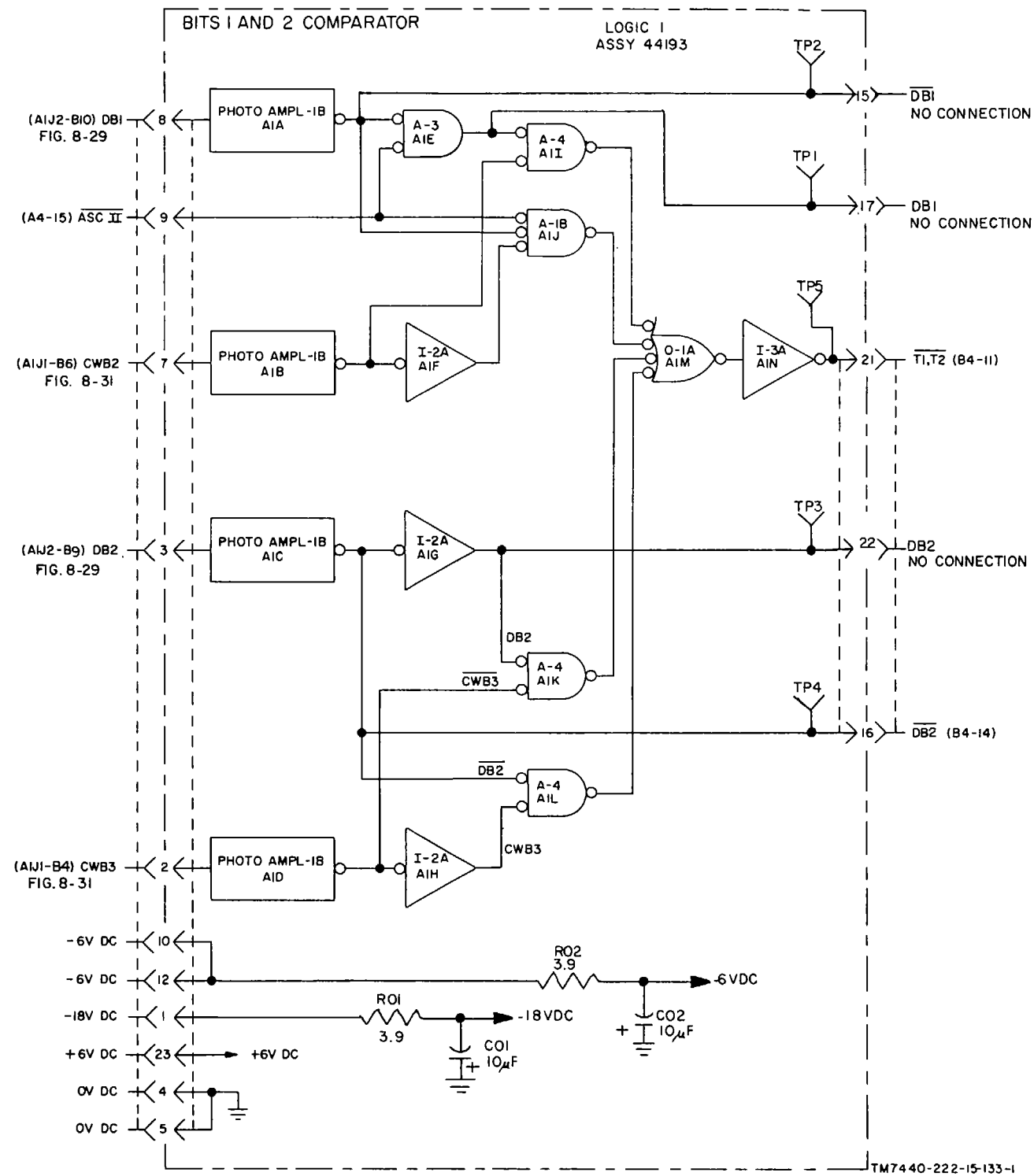


Figure 8-33. Bits 3 and 4 comparator, logic diagrams (PC card A32)

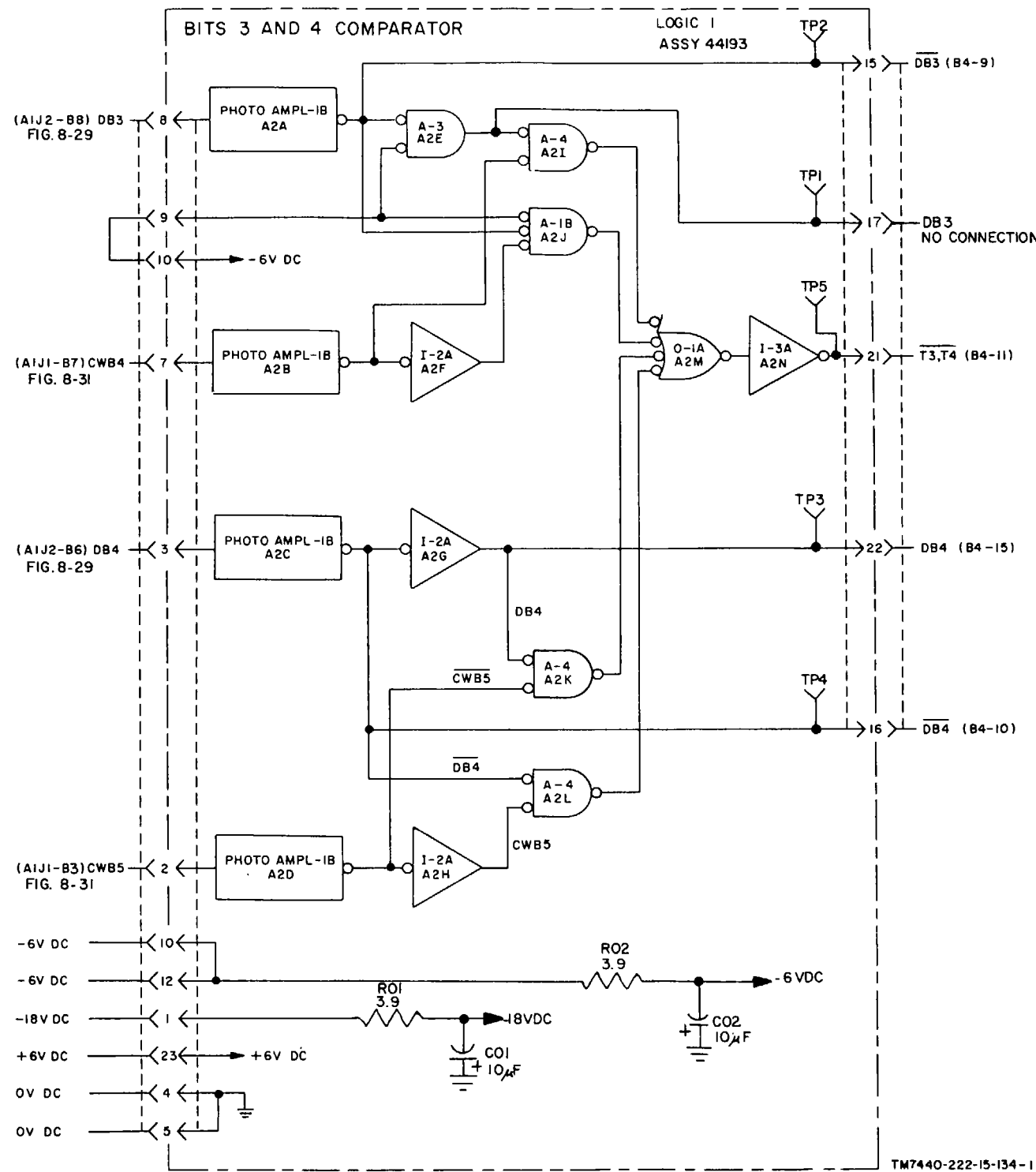


Figure 8-34. Bits 5 and 6 comparator, logic diagram, (PC card A3A3)

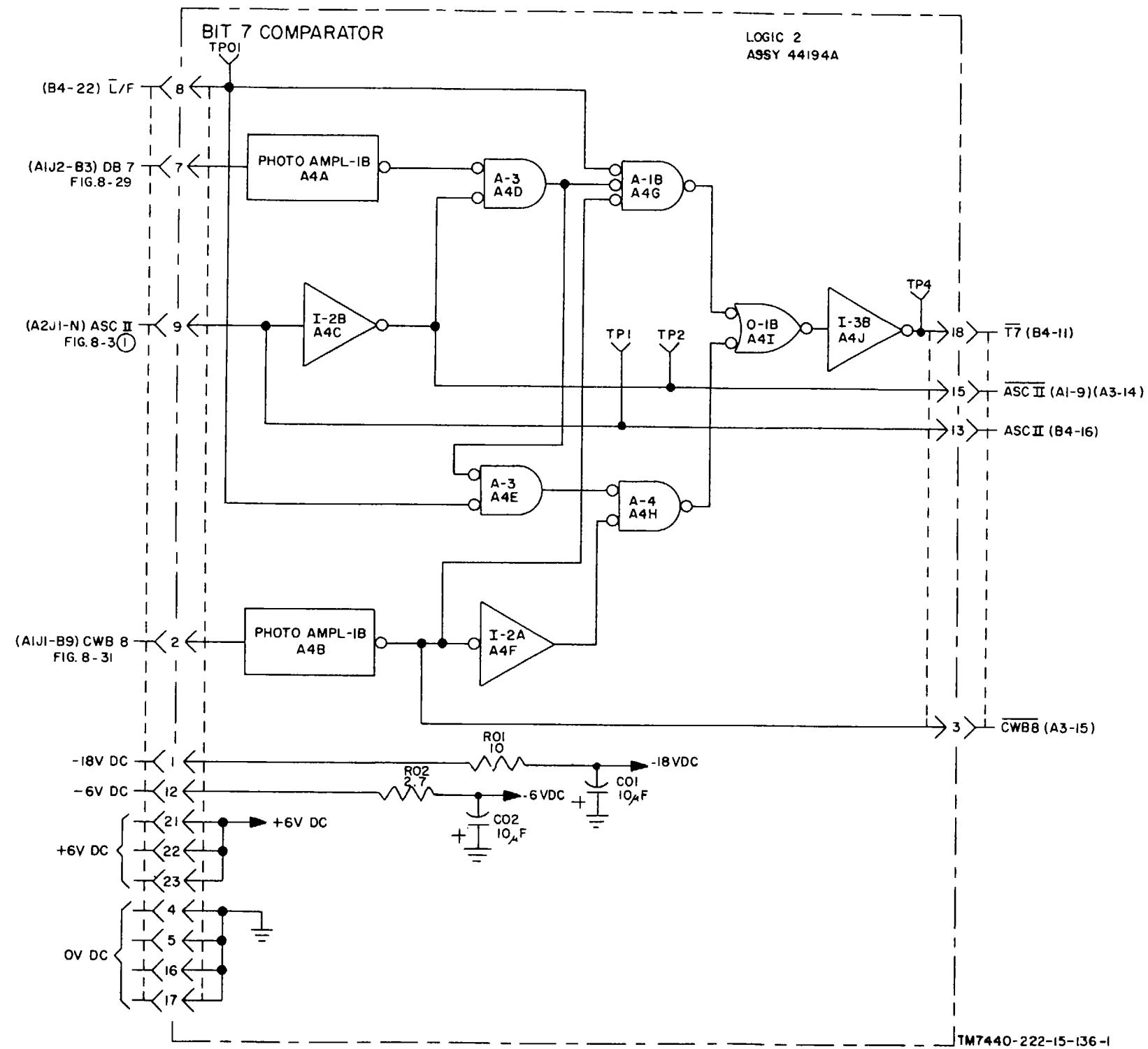
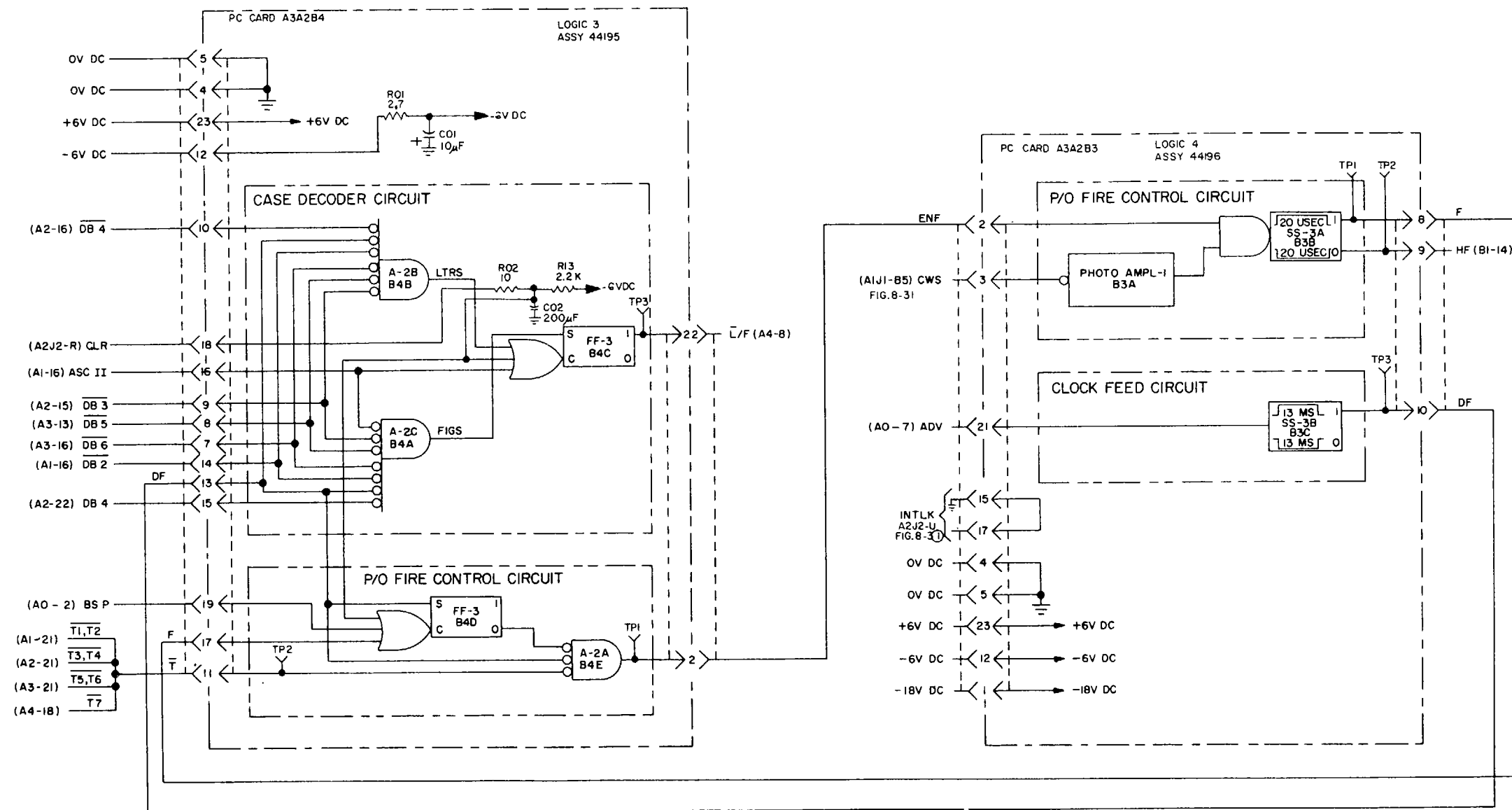


Figure 8-35. Bit 7 comparator, logic diagram



TM7440-222-15-137-1

Figure 8-36. Case decoder and fire control circuits, logic diagram, (PC cards A3A2B3, A3A2B4)

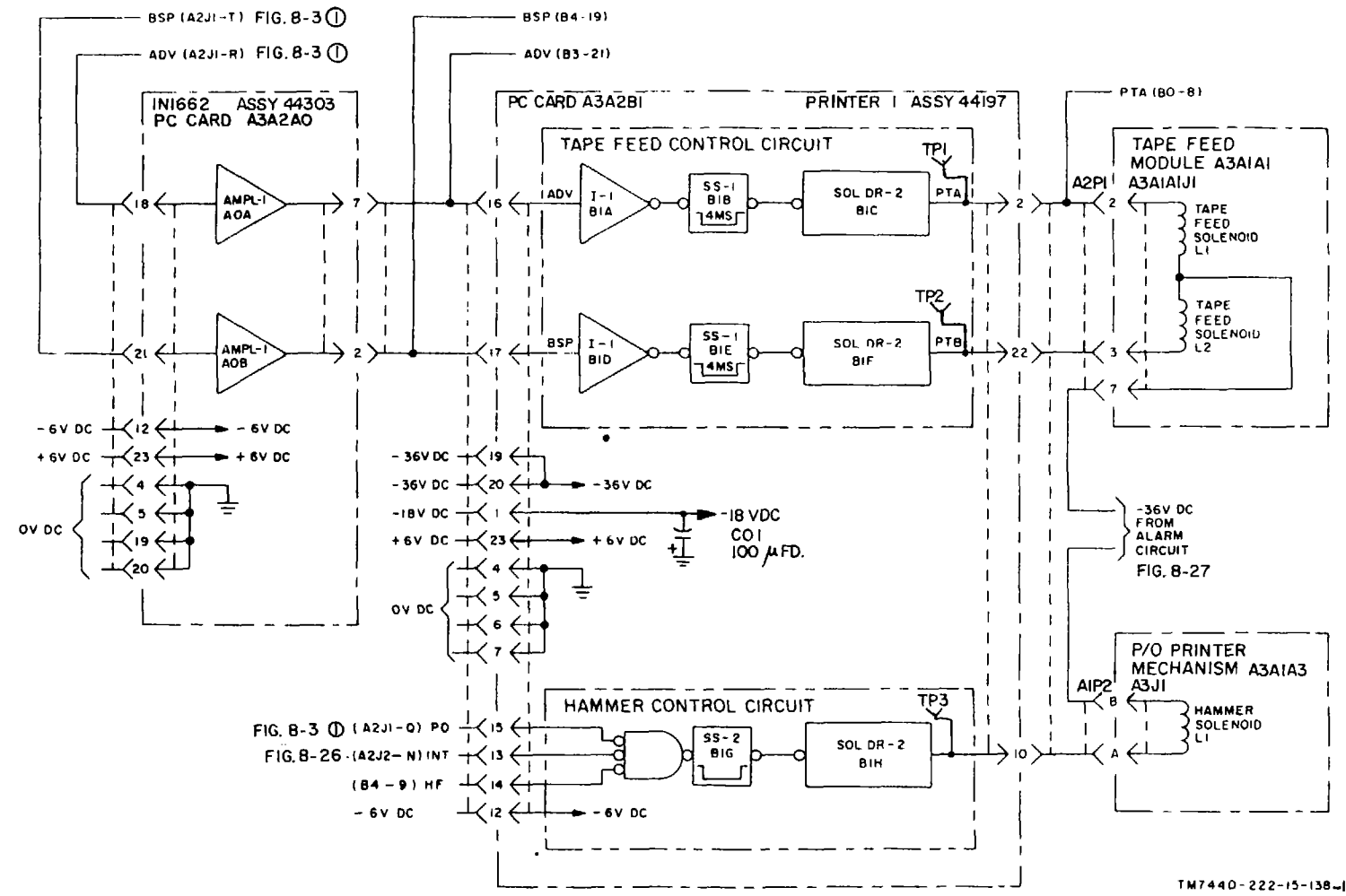


Figure 8-37. Tape feed and hammer control circuit, logic diagram.
(PC CARDS A3A2AO, A3A2BI)

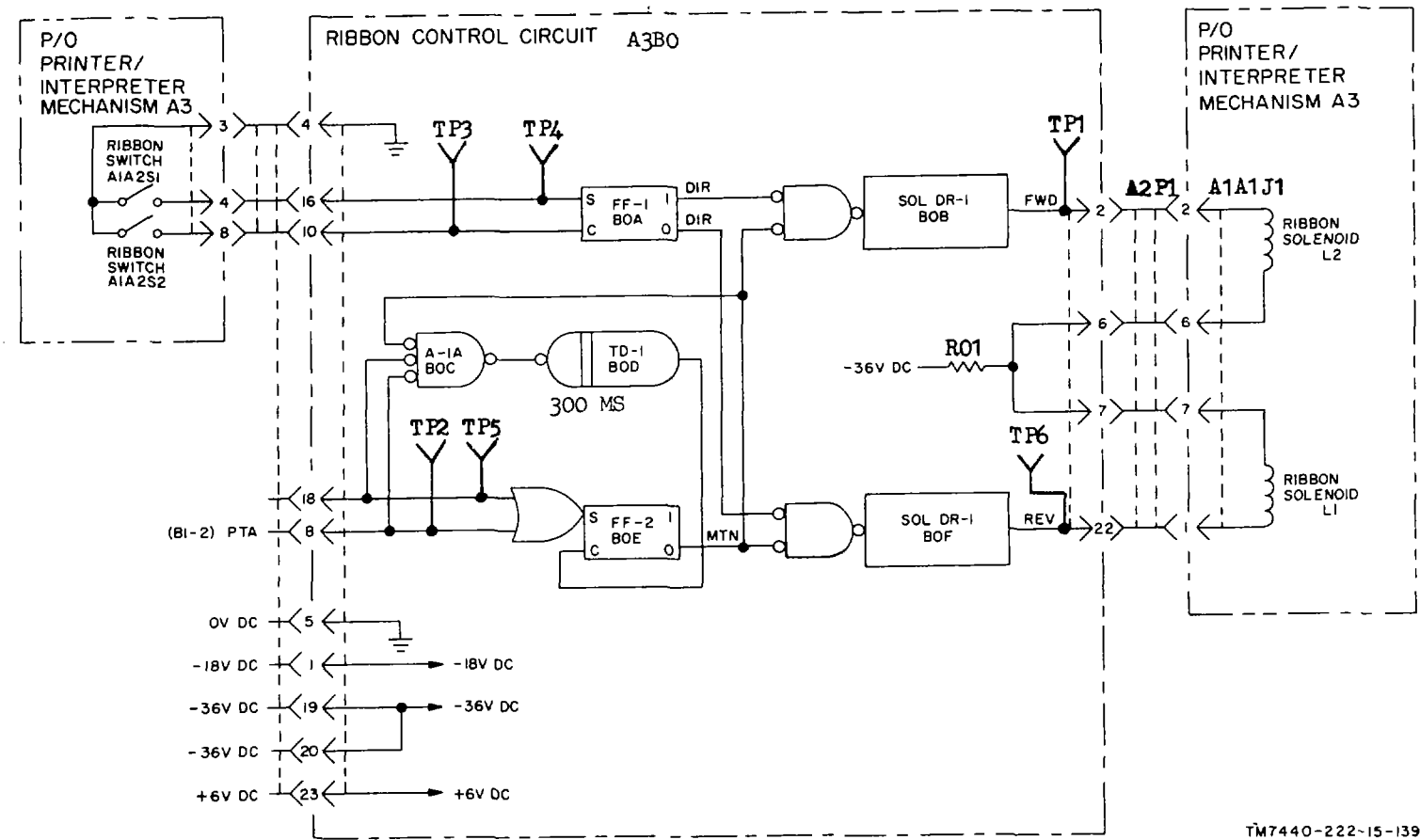
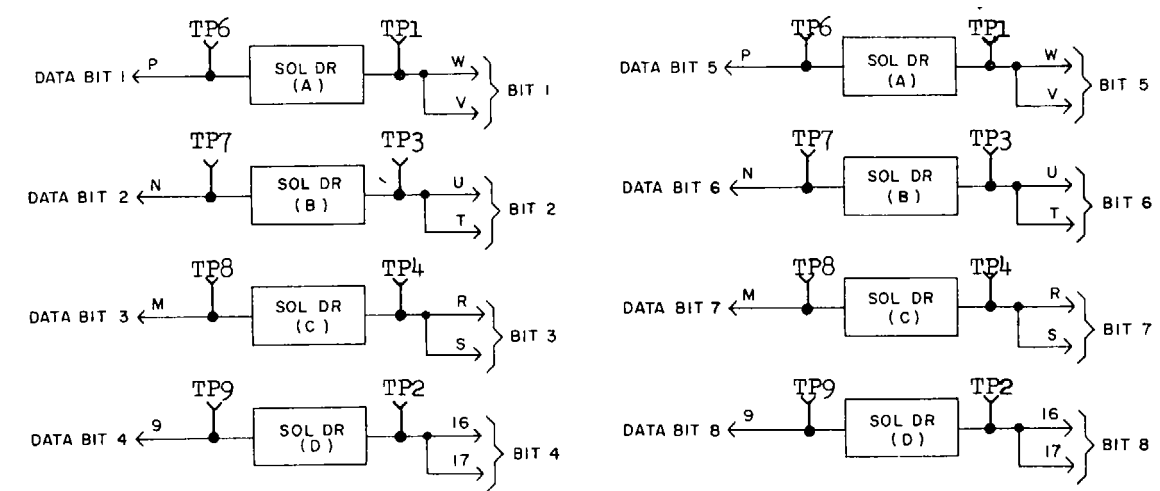


Figure 8-38. Ribbon motion control circuit, logic diagram

TM7440-222-15-139-1



NOTE:

PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; FOR COMPLETE DESIGNATION PREFIX WITH UNIT NUMBER OR SUBASSEMBLY DESIGNATION (S).

TM7440-222-15-216-1

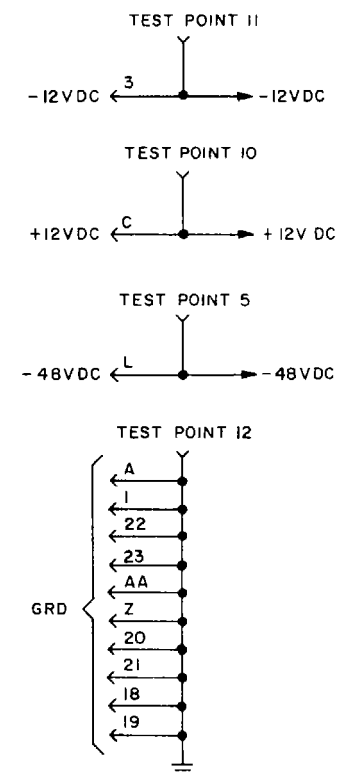
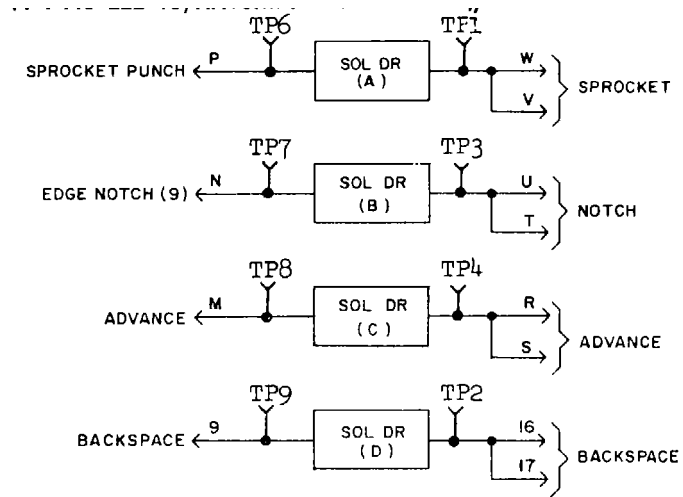
Figure 8-39. Solenoid driver PC card A4A1, A53506), schematic diagram(No. A53506),

NOTE:

PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; FOR COMPLETE DESIGNATION PREFIX WITH UNIT NUMBER OR SUBASSEMBLY DESIGNATION (S).

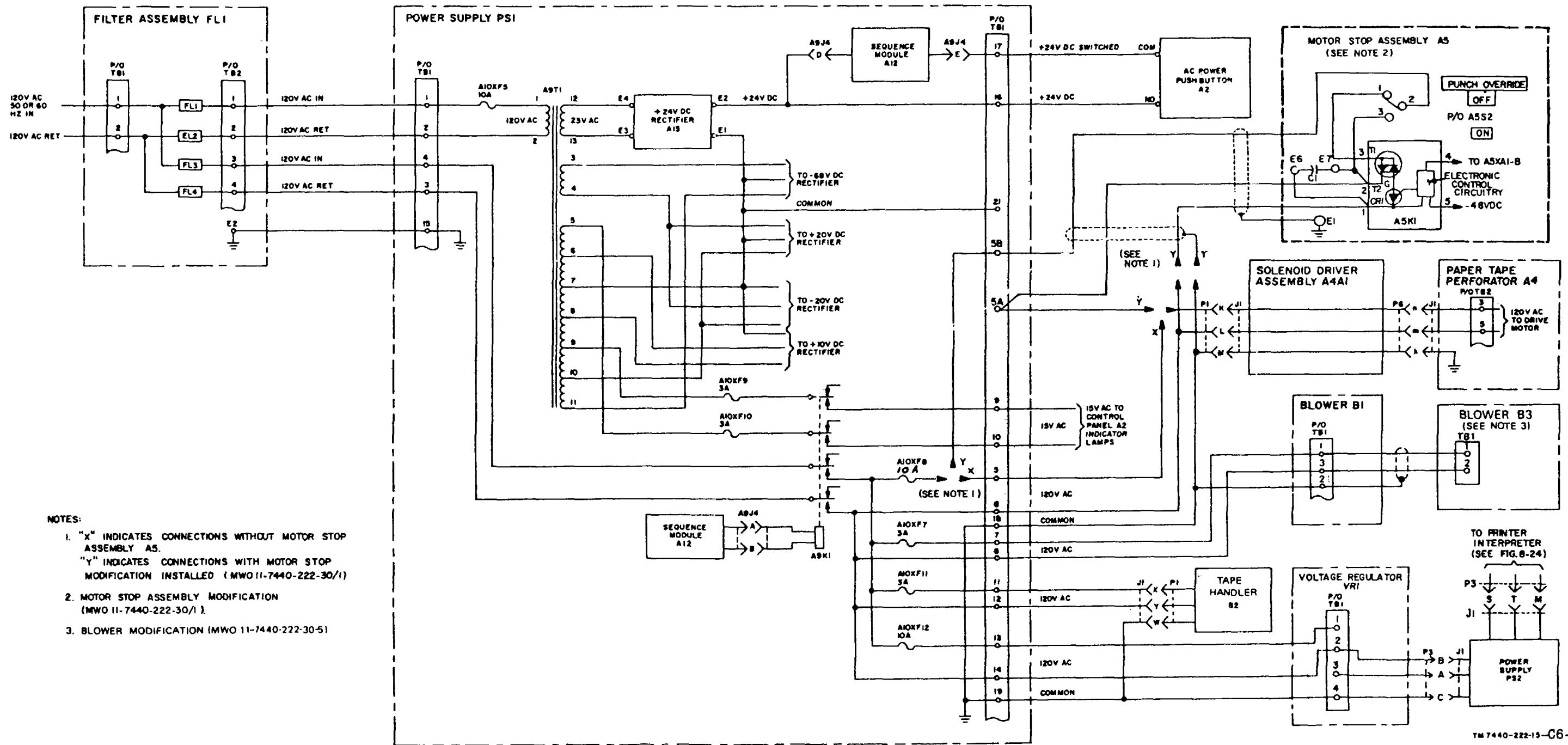
TM7440-222-15-237-1

Figure 8-40. Solenoid driver PC card A4A2 (No. schematic program.



NOTE:
 PARTIAL REFERENCE DESIGNATIONS ARE SHOWN;
 FOR COMPLETE DESIGNATION PREFIX WITH UNIT NUMBER
 OR SUBASSEMBLY DESIGNATION (S).

Figure 8-41. Solenoid driver PC card A4A3 (No. A53506) , schematic diagram.



- NOTES:
1. "x" INDICATES CONNECTIONS WITHOUT MOTOR STOP ASSEMBLY A5.
"y" INDICATES CONNECTIONS WITH MOTOR STOP MODIFICATION INSTALLED (MWO 11-7440-222-30/1)
 2. MOTOR STOP ASSEMBLY MODIFICATION (MWO 11-7440-222-30/1)
 3. BLOWER MODIFICATION (MWO 11-7440-222-30-5)

TM 7440-222-15-C6-239

Figure 8-42. Perforator ac circuits, schematic diagram.

Change 6 8-53/(8-54 blank)

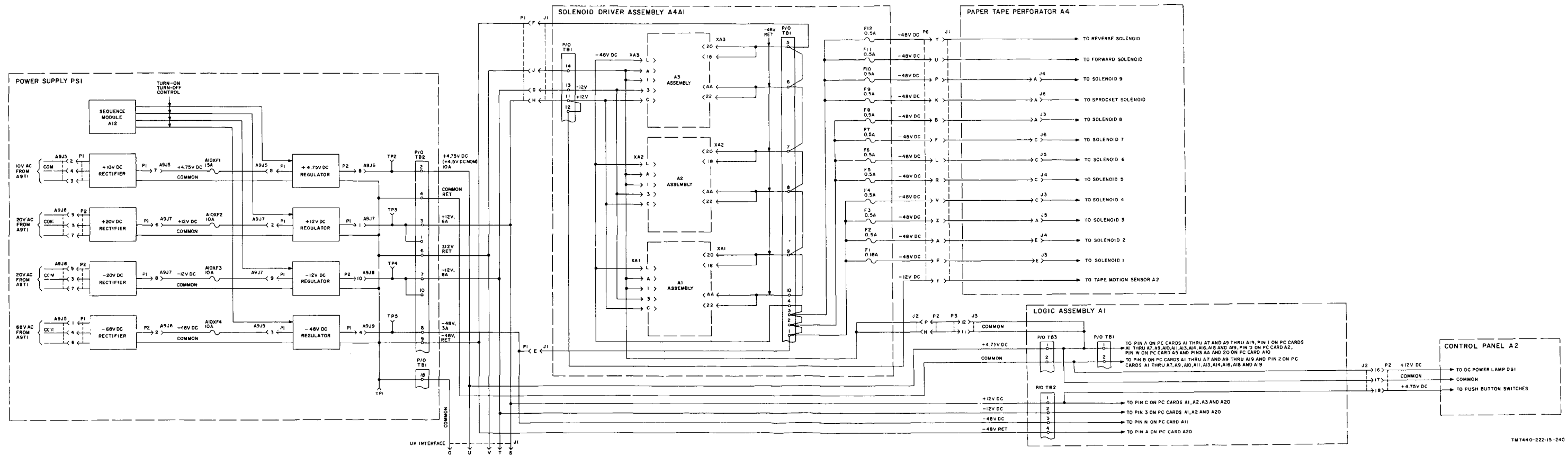
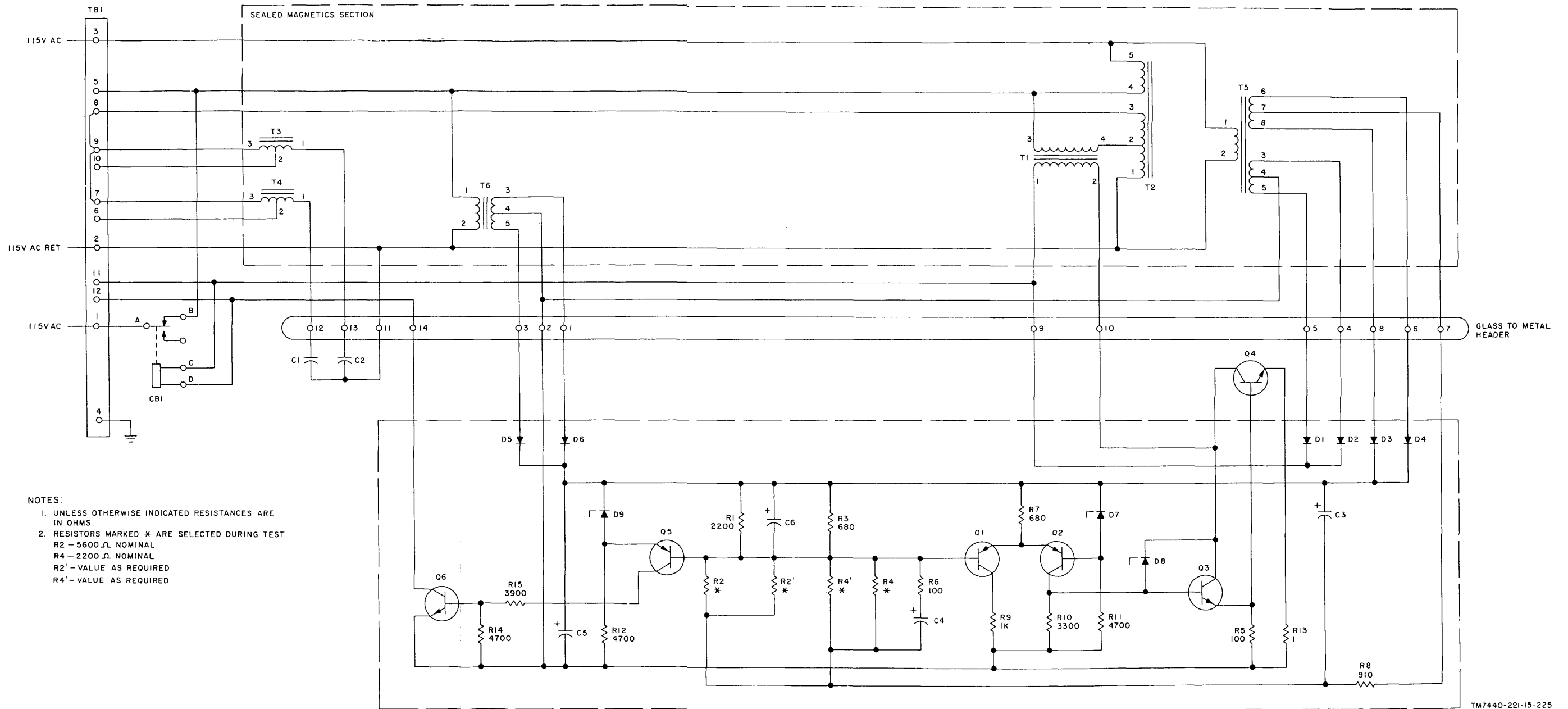


Figure 8-43. Perforator dc circuits, schematic diagram.
8-55



Voltage regulator VR1, schematic diagram.
Figure 8-43.1.

Change 2 8-6.2

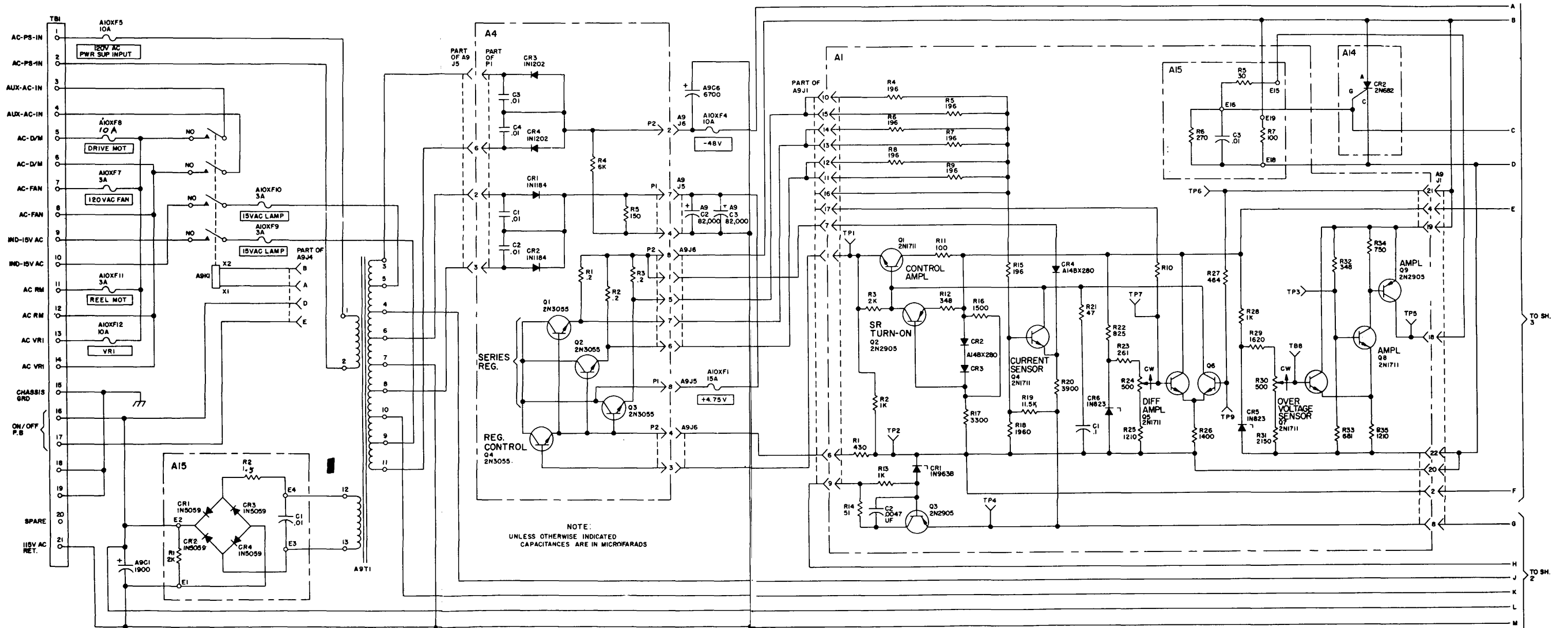


Figure 8-44(1). Rectifier and regulator circuits, Schematic diagram (part 1 of 3).

Change 6 8-59/(8-60 blank)

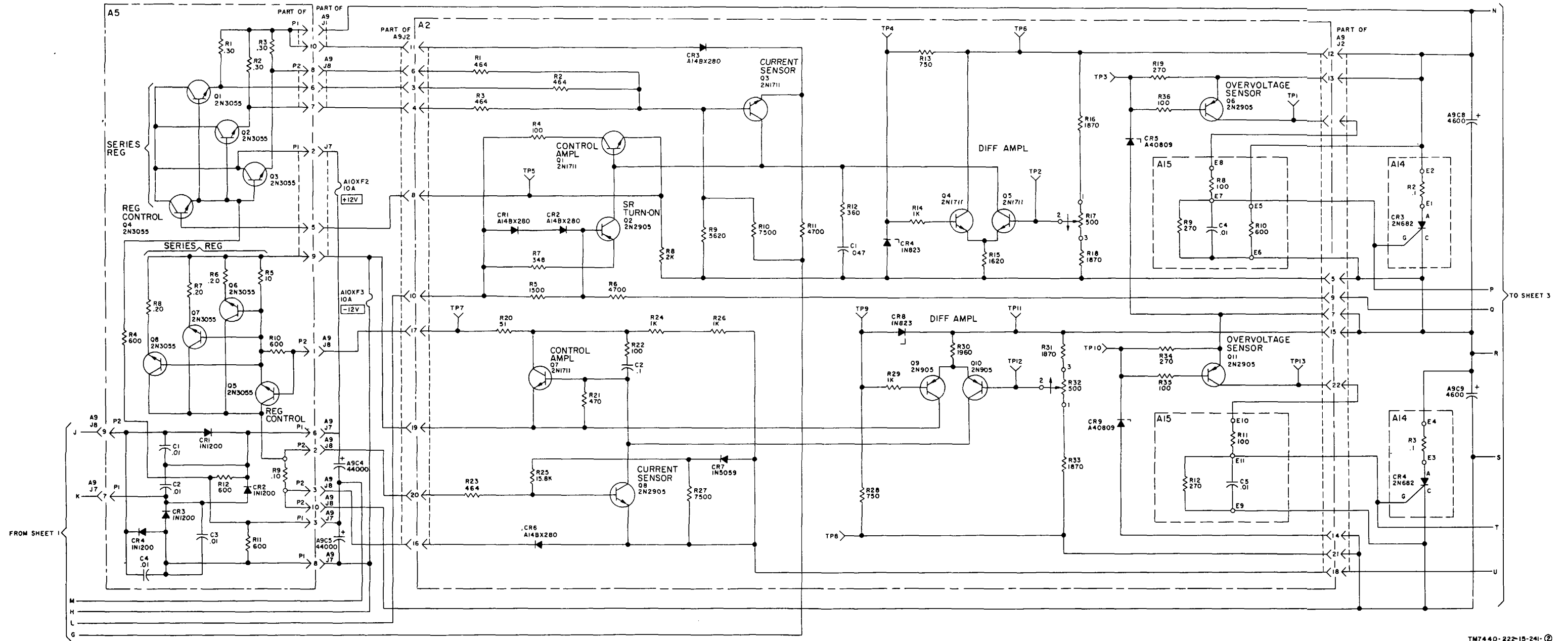
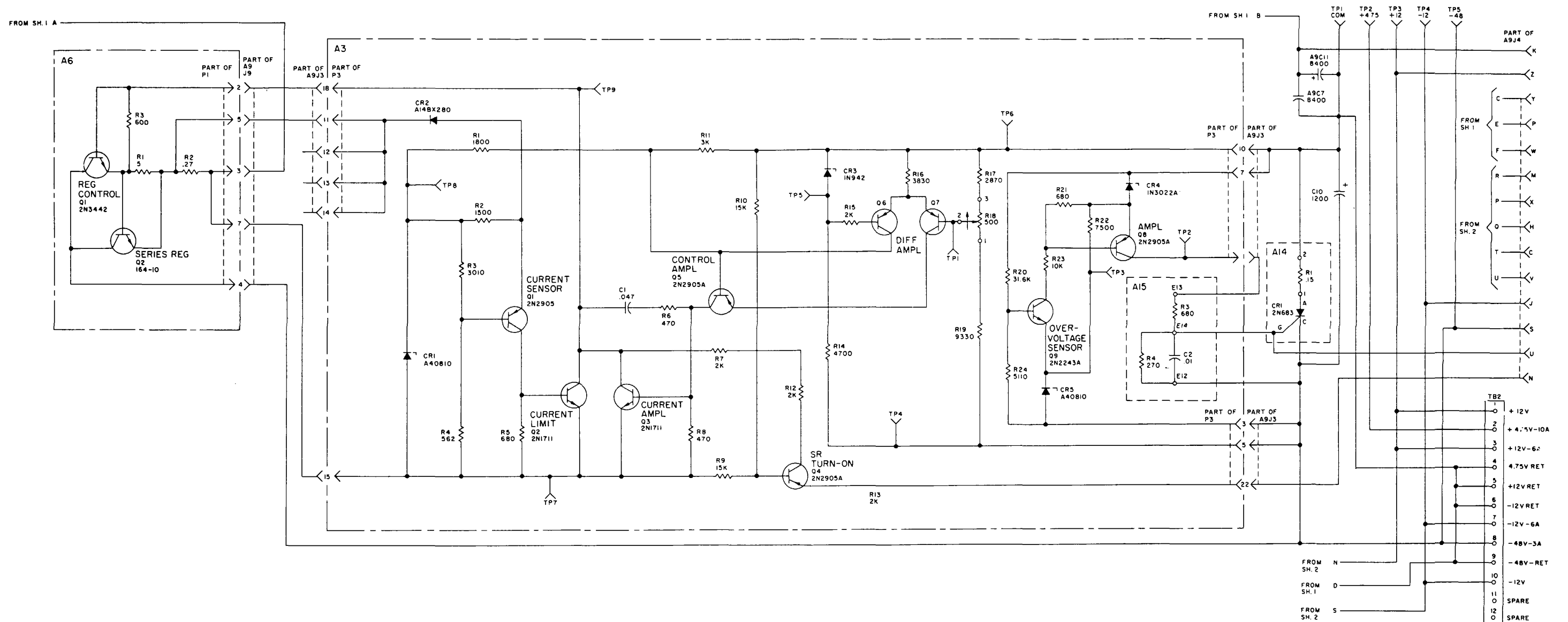


Figure 8-44(2). Rectifier and regulator circuits, schematic diagram (part 2 of 3).

Change 4 8-61/(8-62 blank)



TM7440-222-15-241 ③

Figure 8-44(3) . Rectifier, and regulator circuits, schematic, diagram (part 3 of 3).

Change 4 8-63/(8 64 blank)

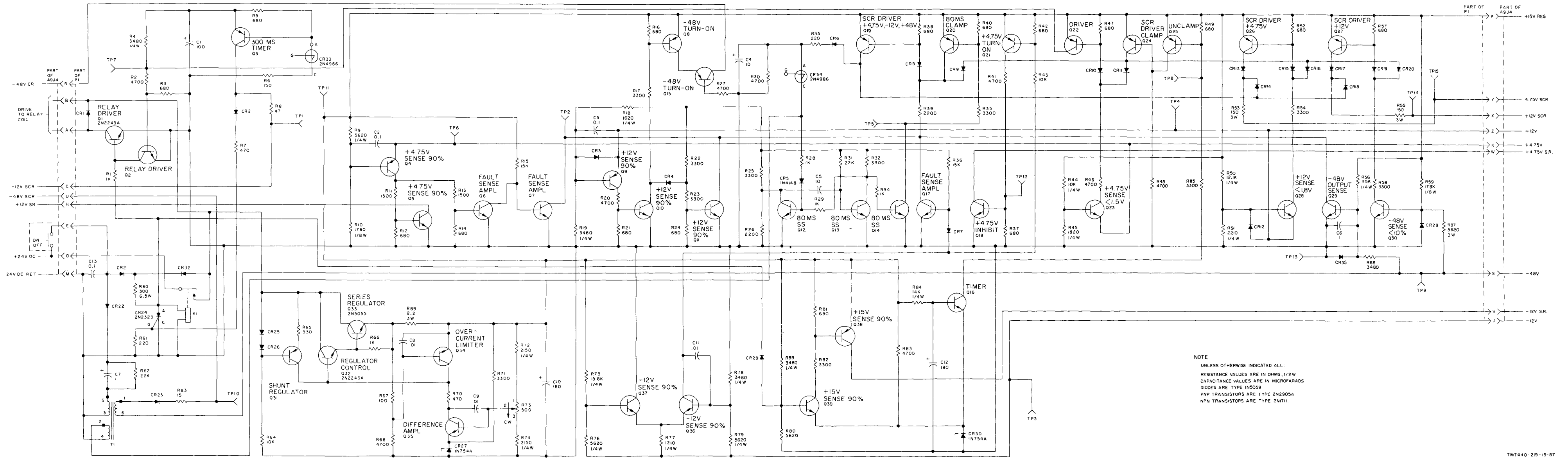


Figure 8-45. Power supply sequence module A12, schematic diagram.

Change 6 8-65/(8-66 blank)

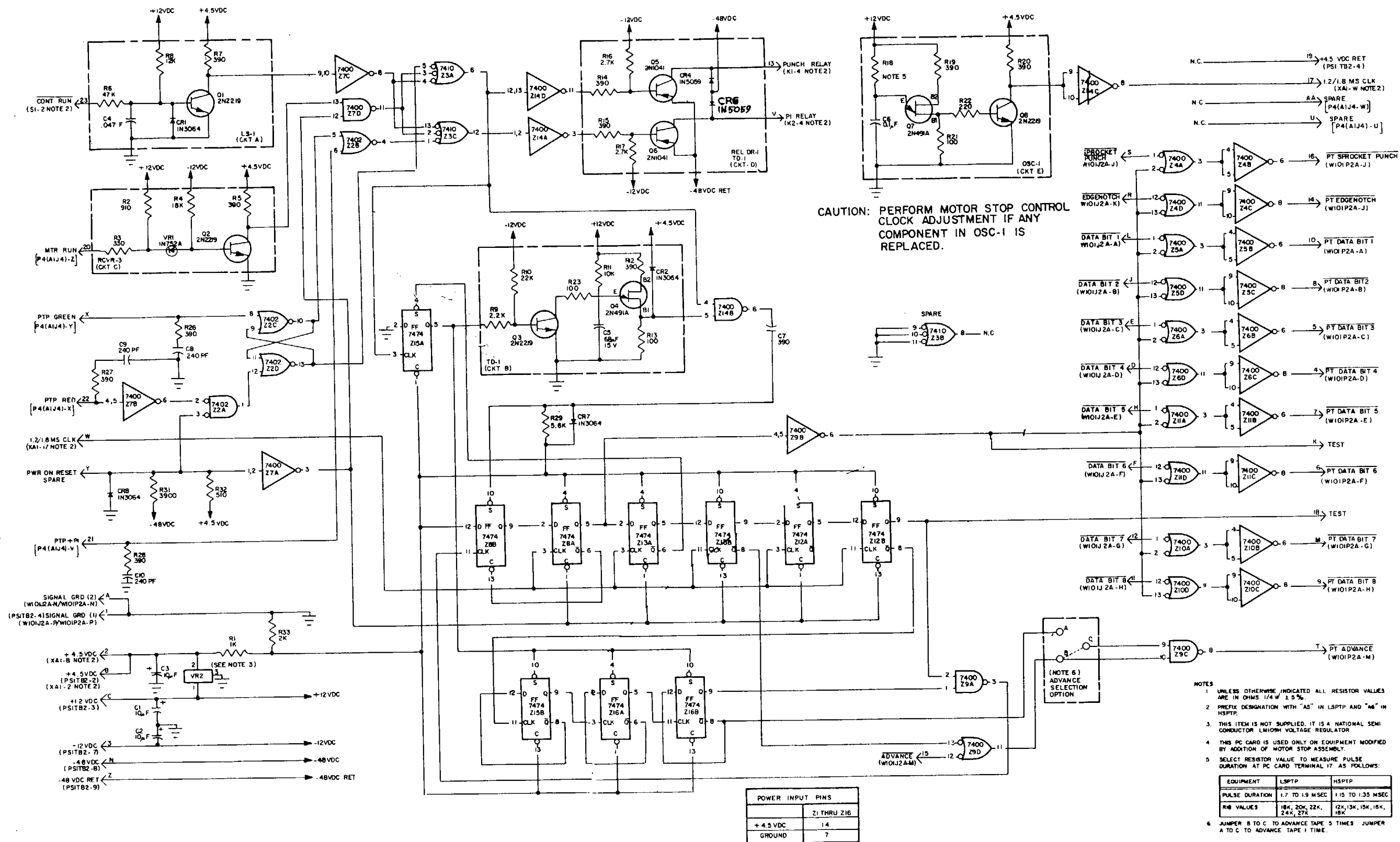
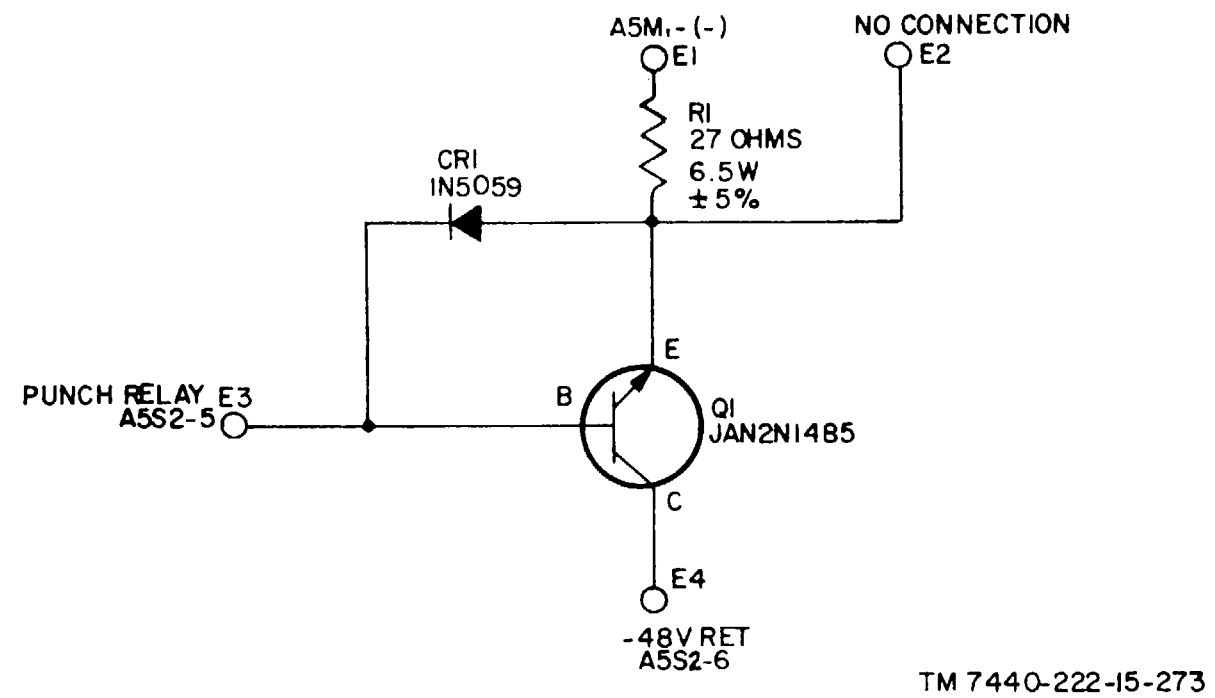


Figure 8-46. Motor stop assembly PC card A5A1 (No. 12-890096-2), logic diagram,



TM 7440-222-15-273

Figure 8-47. Meter driver PC card A5A2 (No. 12-890129-1), schematic diagram.

APPENDIX A
REFERENCES

The following publications apply to operation and maintenance of the equipment covered in this manual:

DA Pam 310-4----- Index of Technical Manuals, Technical Bulletins, Supply Manuals (types 7, 8, and 9), Supply Bulletins, and Lubrication Orders.

DA Pam 310-7----- U.S. Army Equipment Index of Modification Work Orders.
SB 38-100 ----- Preservation, Packaging and Packing Materials, Supplies, and Equipment Used by the Army.

TB SIG 222----- Solder and Soldering.

TB 746-10----- Field Instructions for Painting and Preserving Electronics Command Equipment.

TM 38-750 ----- Army Equipment Record Procedures.

TM 11-7440-238-15/TO 31W4-4-1/NAVSHIPS 0967-324-0100 Operator, Organizational, Direct Support, General Support, and Depot Maintenance Manual, Digital Subscriber Terminal Sets AN/FYA-71(V)1 through AN/FYA-71(N)6.

NW 00-15PA-1 ----- Technical Inspection Manual, Soldering for Electric and Electronic Application (Navy).

TO 00-25-234----- General Shop Practice Requirements for the Repair, Maintenance, and Test of Electronic Equipment.

TM 11-7440-239-15/TO 31W4-4-11 /NAVSHIPS 0967-324-0100 ----- Operator, Organizational, DS, GS, and Depot Maintenance Manual, AUTODIN Digital Subscriber Terminals.

MWO 11 -7440-222-30-1 ----- Modification of Paper Tape Punch, Low Speed, R0-315/G to Add Automatic Motor Stop Feature

MWO 11-7440-222-30-2 ----- Modification of Paper Tape punch, Low Speed R0-315/G to Incorporate Improved Chad Chute Design

MWO 11-7440-222-30-3 ----- Modification of Paper Tape Punch, Low Speed, R0-315/G to Install Terminal Board and Filter Protective Covers

MWO 11-7440-222-30-4 ----- Modification of Paper Tape Punch, Low Speed, R0-315/G to Install Improved Tape Supply Slide

MWO 11-7440-222-30-5 ----- Modification of Paper Tape Punch, Low Speed, R0-315/G to Install Blower Assembly (B3)

MWO 11-7440-222-50-1 ----- Modification of Paper Tape Punch, Low Speed, R0-315/G to Change Cover Plate and Add Oil Deflection Plate (FOR DEPOT USE ONLY)

TM 740-90-1 ----- Administrative Storage of Equipment.

TM 750-244-2----- Procedure for Destruction of Electronics Materiel to Prevent Enemy Use (Electronics Command).

TM 11-7440-214-15/NI&VSIPS 0967-324-0010/TO 31W4-2G-21-- Operator, Organizational. DS QS, and Depot Maintenance Manual, Common Control Unit C-1820(P)/G and Circuit Switch Module SA-14i93/G.

**APPENDIX C
MAINTENANCE ALLOCATION**

Section I. INTRODUCTION

C-1. General

This appendix provides a summary of the maintenance operations covered in the equipment maintenance manual for Paper Tape Punch, Low Speed R0-315/G. It authorizes categories of maintenance for specific maintenance functions on repairable items and components and the tools and equipment required to perform each function. This appendix may be used as an aid in planning maintenance operations.

C-2. Explanation of Format for Maintenance Allocation Chart

a. Group Number. Group numbers correspond to the reference designation prefix assigned in accordance with ASA Y32.16, Electrical and Electronics Reference Designations. They indicate the relation of listed items to the next higher assembly.

b. Component Assembly Nomenclature. This column lists the item names of components units, assemblies, subassemblies, and modules on which maintenance is authorized.

c. Maintenance Function. This column indicates the maintenance category at which performance of the specific maintenance function is authorized. Authorization to perform a function at any category also includes authorization to perform that function at higher categories. The codes used represent the various maintenance categories as follows:

Code	Maintenance category
C -----	Operator/crew.
H -----	General support maintenance.
D -----	Depot maintenance.

d. Tools and Equipment. The numbers appearing in this column refer to specific tools and equipment which are identified by these numbers in section III.

e. Remarks. Self-explanatory.

C-3. Explanation of Format for Tool and Test Equipment Requirements

The columns in the tool and test equipment requirements chart are as follows:

a. Tools and Equipment. The numbers in this column coincide with the numbers used in the tools and equipment column of the MAC. The numbers indicate the applicable tools for the maintenance function.

b. Maintenance Category. The codes in this column indicate the maintenance category normally allocated the facility.

c. Nomenclature. This column lists tools, test, and maintenance equipment required to perform the maintenance functions.

d. Federal Stock Number. This column lists the Federal stock number.

e. Tool Number. Not used.

SECTION II. MAINTENANCE ALLOCATION CHART

GROUP NUMBER	COMPONENT ASSEMBLY NOMENCLATURE	MAINTENANCE FUNCTIONS											TOOLS AND EQUIPMENT	REMARKS	
		I N S P E C T	T E S T	S E R V I C E	A D J U S T	A L I G N	C A L I B R A T E	I N S T A L L	R E P L A C E	R E P A I R	O V E R H A U L	R E B U I L D			
1.0	PAPER TAPE PUNCH, LOW SPEED R0 315/G	C											None	External	
		H											11, 12, 13	Internal	
			H											1 thru 7 9 thru 14, 20	All on-site tests
				H										8, 11, 12, 13	Clean and lubricate lubrication during reassembly.
					H									1 thru 7 9 thru 14, 22	circuit card A5; power supply; mechanical adjustments in tape punch assembly and printer-interpreter assembly.
										H				11, 12, 13, 14	Replace defective plug-in circuit card assemblies and mechanical sub-assemblies.
											H			11, 12, 13, 14	Replace defective piece parts in tape punch and printer-interpreter assemblies and hard-wired electrical components.
										D		1 thru 7 9 thru 23	Defective circuit card assemblies and defective components or mechanical sub-assemblies.		
											D	1 thru 7	Restore Paper Tape Punch, Low Speed R0-315/G to serviceable condition.		

SECTION III. TOOL AND TEST EQUIPMENT REQUIREMENTS

TOOLS AND EQUIPMENT	MAINTENANCE CATEGORY	NOMENCLATURE	FEDERAL STOCK NUMBER	TOOL NUMBER
1	H,D	R0-315/G (continued) MULTIMETER AN/USM-210 (SIMPSON MODEL 260)	6625-019-0815	
2	H,D	OSCILLOSCOPE (HEWLETT-PACKARD MODEL 140A)	6625-957-0509	
3	H,D	DUAL TRACE AMPLIFIER (HEWLETT PACKARD MODEL H06-1405A)	6625-937-3610	
4	H,D	TIME BASE AND DELAY GENERATOR (HEWLETT-PACKARD MODEL 1421A)	6625-930-8119	
5	H,D	PROBE, VOLTAGE DIVIDE WITH TIP KIT (HEWLETT-PACKARD MODEL C0-7-10003B) -2 EA REQ'D		
6	H,D	HOOD, OSCILLOSCOPE (HEWLETT-PACKARD MODEL 10175A)		
7	H,D	CART, OSCILLOSCOPE (HEWLETT-PACKARD MODEL 1119B)		
8	H	CLEANER, VACUUM, HAND TYPE (IDEAL MFG. CO. NO. 22-113)	7910-250-8039	
9	H,D	ASSEMBLY, MANUAL CONTROL; CARD (SARATOGA IND., DIV. ESPEY MFG. & ELECT. CORP. NO. D39245)	6130-115-2631	
10	H,D	ASSEMBLY, CARD EXTENDER (SARATOGA IND., DIV. ESPEY MFG. & ELECT. CORP. NO. D39724)		
11	H,D	TOOL KIT, ELECTRONIC EQUIPMENT TK-105/G	5180-610-8177	
12	H,D	TOOL KIT, PAPER TAPE EQUIPMENT (AUTODIN)		
13	H,D	TOOL KIT, PAPER TAPE EQUIPMENT (AUTODIN)		
14	H,D	TOOL KIT, PAGE PRINTER (FOR RP-157/G AUTODIN)		
15	D	ANALYZER ZM-3()/U (CAPACITOR TEST SET)	6625-229-1060	
16	D	TEST SET, TRANSISTOR TS-1836A/U (SIERRA MODEL 219C)	6625-926-6996	
17	D	VOLTMETER, DIGITAL (NON-LINEAR SYSTEMS, INC. MODEL X-1/5)	6625-168-0669	
18	D	RESISTOR, DECADE (GENERAL RADIO CO. MODEL 1434M)		
19	D	EXTENDER, PRINTED CIRCUIT BOARD (GENERAL DYNAMICS/ELECTRONICS NO. 809002-876)		
20	H,D	ASSEMBLY, CARD EXTENDER 5B(LG) (ANELEX CORP. NO. 4419002)		
21	D	TEST FACILITY, PRINTED CIRCUIT BOARD		
22	H,D	THERMOMETER PH-660/U	6760-521-0656	
23	D	CLUTCH BANK ASSEMBLY TEST FIXTURE (TALLY CORPORATION NO. 604071-1)		
(NOTE: DEPOT MAY SUBSTITUTE EQUIVALENT TEST EQUIPMENT)				

APPENDIX D

ON-SITE, AREA RESUPPLY, AND DEPOT REPAIR PARTS

Section I. INTRODUCTION

D-1. Scope

a. The equipment covered in this appendix is categorized as a "FIXED STATION INSTALLATION." Maintenance functions have been authorized to site (ORG thru GSU), Area Resupply, and depot.

b. This equipment is used by electronic service organizations organic to the theater headquarters or communications zones to provide theater communications. Those repair parts authorized up to and including general support maintenance are to be stocked by the organization operating this equipment; therefore, a separate display of "Organizational" and "Direct Support" maintenance repair parts would be repetitious and is not included in this appendix.

D-2. General

a. The Prescribed Load Allowance (PLA) is not required since this information is adequately defined under "Site Stockage Allowance," Column 7.

b. This list includes all replaceable parts and de fines repair parts authorized for maintenance performance at site (ORG and GSU) and depot categories. This list also includes allowances for prepositioned resupply of repair parts based on equipment density per geographical locations. This resupply requirement is established to support each Military Department's concentration of DSTE devices to meet the Defense Communication System operational requirement.

c. The repair parts listing is preceded with a cross-reference index.

D-3. Explanation of Columns

An explanation of the columns is given below:

a. *Source, Maintenance, and Recoverability Codes (SMR)*, Column 1. This column lists the applicable SMR codes for the part as follows:

(1) *Source code (A)*. The source code indicator is the letter appearing on the left in the SMR column. It indicates the source from which the item is obtained in accordance with the following:

NOTE

See (4) below for cross-reference to Air Force SMR codes.

Code	Explanation
P.....	Applies to repair parts that are stocked in or supplied from the GSA/DSA, or Army supply system, and authorized for use at indicated maintenance categories.
M.....	Applies to repair parts that are not procured or stocked but are to be manufactured at indicated maintenance categories.
A.....	Applies to assemblies that are not procured or stocked as such but are made up of two or more units, each of which carries an individual stock number and description and is procured and stocked and can be assembled by units at indicated maintenance categories.
X.....	Applies to parts and assemblies that are not procured or stocked; the mortality of which normally is below that of the applicable end item; and the failure of which should result in retirement of the end item from the supply system.
X1...	Applies to repair parts that are not procured or stocked, the requirement for which will be supplied by the use of next higher assembly or component.
X2...	Applies to repair parts that are not stocked. The indicated maintenance category requiring such repair parts will attempt to obtain them through cannibalization; if not obtainable through cannibalization, such repair parts will be requisitioned with supporting justification through normal supply channels.
C.....	Applies to repair parts authorized for local procurement. If not obtainable from local procurement, such repair parts will be requisitioned through normal supply channels with a supporting statement of nonavailability from local procurement.
G.....	Applies to major assemblies that are procured with PEMA funds for initial issue only to be used as exchange assemblies at DSU and GSU category. These assemblies will not be stocked above DSU and GSU category or returned to depot supply category.

(2) Maintenance code (B). The maintenance code indicator is the letter appearing in the center of the SM R column. It indicates the lowest category of maintenance authorized to install the listed item.

The codes are-

Code	Explanation
*C	Operator/Crew.
*O	Organizational Maintenance.
*F	Direct Support Maintenance.
H	General Support Maintenance.
D	Depot Support Maintenance.

NOTE

*Codes "C" "O" and "F" have not been utilized in this manual. Site maintenance functions have been designated "H" which includes "C" through "F"

(3) *Recoverability code (C)*. The third, or right-hand letter in the SMR column indicates whether the item should be returned for recovery or salvage. Recoverability codes and their explanations are as follows:

NOTE

When no code is indicated in the recoverability column, the part will be considered expendable.

Code	Explanation
R.....	Applies to repair parts and assemblies which are economically repairable at DSU and GSU activities and normally are furnished by supply on an exchange basis.
T.....	Applies to high dollar value recoverable repair parts which are subject to special handling and are issued on an exchange basis. Such repair parts normally are repaired or overhauled at depot maintenance activities.
U.....	Applies to repair parts specifically selected for salvage by reclamation units because of precious metal content, critical materials, high dollar value reusable casings or castings.

(4) Cross reference Army to Air Force SMR code. The following SM R codes represent a cross reference from Army SMR codes displayed in this appendix to appropriate Air Force SMR codes. This coding has been coordinated with OCAMA symbol OCNDTB.

Air Force SMR code						
Army SMR codes	Source code (AFLCM 65-3)	Expendable recoverable (AFM 67-1, vol. 1, ch: 9 atch. 5)	Repair level code (AFLCR 65-2)			
PH	P	1 -	N	S	-	-
PHR	P	1 -	T	D	-	-
PHT	P	1 -	T	D	-	-
PD	P	1 D	N	8	-	-
PDR	P	1 -	T	D	-	-
X1H	X	1 -	F	-	-	-
X1D	X	1 -	-	D	-	-
X2H	X	2 -	-	F	-	-
AH	A	- -	-	F	-	-
AHR	A	- -	-	F	-	-
C	L	- P	-	-	-	-
G	G	- -	-	-	-	-
MH	M	- -	-	H	-	-
MD	M	- -	-	D	-	-

b. *Federal Stock Number, Column 2*. The Federal stock number for the item is listed in this column.

c. *Description, Column 2*. This column includes a sequence number, the federal item name, a five-digit Federal supply code for manufacturers, an indenture code, and a part number. The five-digit Federal supply code is followed by the manufacturer's part number. For subsequent appearances of the same item, the manufacturer's code and part number are omitted. The words "same as" followed by the index number assigned to the item when it first appeared in the list will follow the item name; e.g., "RESISTOR, FIXED, COMPOSITION: SAME AS A298." Model column is not used.

d. *Unit of Issue, Column 4*. The unit used as a basis of issue (e.g., ea, pr, ft, yd, etc.) is indicated in this column.

e. *Quantity Incorporated in Unit Pack, Column 5*. Not used.

f. *Quantity Incorporated in Unit, Column 6*. The total quantity of the item used in the equipment is given in this column. Subsequent appearances of the same item in the same assembly are indicated by the letters "REF".

g. *Site Stockage Allowance, Column 7*.

(1) The maintenance allowance columns are divided into subcolumns. The total quantity of items authorized for the number of equipments supported is indicated in each subcolumn opposite the first appearance of each item. Subsequent appearances of the same item will have no entry in the allowance columns, but will have a reference in the description column to the first appearance of the item. Items authorized for use as required, but not for initial stockage, are identified with an asterisk (*) in the allowance column.

(2) The quantitative allowances for Site (ORG thru GSU) maintenance represents one initial proscribed load for the number of equipments supported.

(3) Subsequent changes to Site (ORG thru GSU) allowances will be limited as follows: No change in the range of items is authorized. If additional items are considered necessary, recommendation should be forwarded to Commanding General, U.S. Army Electronics Command, ATTN: AMSEL-ME-NMP-CW, Fort Monmouth, N.J., 07703, for exception or revision to the allowance list. Revisions to the range of items authorized will be made by USAECOM National Maintenance Point based upon engineering experience, demand data, or TAERS information.

h. Forty-five Day Area Resupply Allowance Based on. Number of DSTE Devices Supported, Column 8.

(1) The allowance column is divided into three subcolumns. The total quantity of items authorized for the number of equipments supported is indicated in each subcolumn opposite the first appearance of each item.

(2) The quantitative resupply allowances for the area resupply, represents one initial prescribed load for the number of DSTE equipments to be supported.

(3) Subsequent changes to Area Resupply allowances will be limited as follows: No change in the range of items is authorized. If additional items are considered necessary, recommendation should be forwarded to Commanding General, U.S. Army Electronics Command, ATTN: AMSEL-ME-NMP-CW, Fort Monmouth, N.J., 07703, for exception or revision to the allowance list. Revisions to the range of items authorized will be made by USAECOM National Maintenance Point based upon engineering experience, demand data, or TAERS information.

i. One-Year Allowances Per 100 Equipment Contingency Planning Purposes, Column 9. Contingency planning requirements must be computed on a per equipment basis for fixed plant equipment; therefore column 9 will not be utilized. Contingency Plan requirements for this equipment will be satisfied by furnishing 1 load of repair parts per quantities displayed under column 7, Site Stockage Allowance.

j. Depot Maintenance Allowance 100 Equipments, Column 10. This column indicates the total quantity of each item authorized depot maintenance for 100 equipments. Subsequent appearances of the same item will have no entry in this column, but will have a reference in the description column to the first appearance of the item.

k. Illustration, Column 11.

(1) *Figure number, column 11a.* The number of the illustration in which the item is shown is indicated in this column.

(2) *Item No. or reference designation, column 11b.* The callout number or reference designation used to reference the item in the illustration appears in this column.

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-10	1	A981		34.6	E541C
	2	A982M		34.7	E541D
	3	A983		34.8	E541E
	4	A980		35	B116
	S	C272		36	E176M
	6	E671		37	B106A
	7	E672		38	E564M
	8	E673		39	E578M
	9	E666		40	E169
	9.1	E596		41	B105M
	9.2	E597		42	E561
	9.3	E598		43	E553
	9.4	E670		43.1	E573
	10	D246		44	B108
	11	D247		45	B109
	12	D248		46	B110A
	13	D245M		47	B113E
	13.1	E595		48	B113F
	14	A002		49	B113G
	15	E144		50	B113H
	16	E146M		50.1	E182C
	17	E145		51	B113D
	18	E143		51.1	E18213
	18.1	E594		52	8112
	18.2	E593		53	B112A
	19	D349A		54	B115
	20	E662		55	8114
	21	E663		56	Bill
	22	E664		57	B107\par23
		E665		58	B118
	23.1	E185D		59	B119
	23.2	E185A		60	8121
	23.3	E185C		61	B122
	23.4	E1858		62	B123
	23.5	E185		63	B124
	24	E529		64	B125
	25	E537A		65	B120
	26	E504		66	B121
	27	E503		67	B121
	29	E502		68	B133
	29	ES01		69	B135
	30	E542		70	B137
	31	E543M		71	8136
	32	E544		72	B134
	33	E533		73	814M
	33.1	E536		74	B141]
	33.2	E535		75	B140
	33.3	E534		76	B139
	33.4	E541A		77	B138
	34	E541		78	B15i
	34.1	E546M		79	B150
	34.2	E548		80	B152A
	34.3	E547		81	B152
	34.4	E545M		82	B153
	34.5	E541B		83	8156A

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-10	84	81568	4-11	1	A985
85	B156C			2	A997
86	B156D			3	8010
87	8154			4	B016
88	B155			5	B022
89	E170			6	8028M
90	E171			7	B034
91	E174M			8	B039
92	E173			9	B044
93	E556			10	B049A
94	E558A			11	B054M
95	E560			12	B059N1
96	E560A			13	D064,,M
97	E562			14	B069M4
98	E563			15	8074M
99	E575			16	B079B
100	E576			17	B084A
101	E577			18	8089A
102	E574			19	B094A
103	E600			20	8099M
104	E601			21	B104NI
105	E602			21.1	8113A
106	E604			21.2	51131
107	E599			21.3	B113C
108	E612			22	8115C
109	E625			23	81150
110	E630			24	811SE
111	E638			24.1	B1138
112	E642			25	B115B
113	E646			26	B115A
114	E650	4-12		27	A984A
115	E654			1	C599
116	E656			2	C600M
117	E657			3	C601
118	E658			4	C274
119	E655			5	C275
120	E659			6	C590
121	E660				
122	E661	4-13		1	C412
123	G258			2	C474
124	G260			3	C536
125	G259			4	C392
126	G257			5	C391
127	G261			6	C390
128	G421			7	C394
129	G433			8	C395M
130	G430			9	C396
131	G415			10	C390
132	G416			11	C397
133	G436			12	C403
134	G417			13	C404
135	G426			14	C405
136	G420			15	C406M
137	G419			16	C402
138	G418			17	C407
139	G425			18	C275
140	G437			19	C276

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-14	1	C290A		52	C291A
	2	C290B		53	C324M
	3	C289A		54	C325
	4	C289		55	C326
	5	C289B		56	C327
	6	C282A		57	C323A
	7	C283		58	C371
	8	C284		59	C278
	9	C285M		60	C279
	10	C286M		61	C280
	11	C287		62	C281
	12	C319		63	C277
	13	C320	4-15	1.1	A373A
	14	C321M		1	A141
	15	C322M		2	A374
	16	C318		2.1	A606A
	17	C314		3	A864
	18	C315M		4	A834
	19	C316		5	A607
	20	C317		6	A655
	21	C313		7	A678
21.1	C372		8	A727	
21.2	C383M		9	A754	
21.3	C018IA		10	A795	
21.4	C382A		11	A052AM	
21.5	C384		12	A023A	
21.6	C385		13	A004	
21.7	C387		14	A105	
21.8	C386		15	A075	
22	C377		16	A123	
23	C378		17	A090	
24	C379M		18	A707	
25	C380M		19	A925	
26	C389M		20	A003M	
27	C373		21	A975M	
28	C374		22	A975A	
29	C375		23	A971	
30	C376		24	A972	
31	C388M		25	A976	
32	C296		26	A974	
33	C311		27	A973	
34	C344		28	A937M	
35	C362A		29	A938	
36	C363A		30	A939	
37	C364A		31	A936M	
38	C366		32	A968M	
39	C361A		33	A942	
40	C332		34	A945	
41	C333		35	A943	
42	C334		36	A944	
43	C331		37	A958	
44	C343		38	A960	
45	C328		39	A959	
46	C329		40	A959A	
47	C330M		41	A966B	
48	C292		42	A966C	
49	C293		43	A966D	
50	C294M		44	A966E	
51	C295M		45	A963	

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-15	46	A965	4-17	1	E032
	47	A964		2	E033
	48	A966A		3	E034
	48.1	A977M		4	E031A
	48.2	A978	4.1	E035A	
	49	A961A	5	E071M	
	50	A962	6	E057	
	51	A956A	7	E062A	
	52	A957M	8	E070A	
	53	A948	9	E061	
	54	A949	10	E056	
	55	A947	11	E0508	
	56	A946D	12	E047B	
	57	A951M	13	E041A	
	58	A953	14	E043A	
	59	A952	15	E099	
	60	A950	16	E101	
	61	A950A	17	E100	
	62	A946	18	E098	
	62.1	A941M	19	E037A	
	62.2	A946A	20	E036A	
	62.3	A946C	21	E094	
	62.4	A946B	22	E096	
	62.5	A935	23	E095	
	62.6	A946D	24	E093A	
	62.7	A946E	25	E111A	
	63	A953A	26	E114A	
	64	A940	27	E110A	
	65	A955	28	E119	
	65.1	A954	29	E121	
	66	A969M	30	E120A	
	66.1	A970	31	E122	
4-16	1	E159	32	E118A	
	2	E162	33	E126	
	3	E160	34	E089	
	4	E161M	35	E091	
	5	E164	36	E090	
	5.1	E172A	37	E088	
	5.2	E175M	38	E092	
	5.3	E175A	39	E087	
	6	E158A	40	D791A	
	7	E163	41	D359M	
	8	E149M	42	D353M	
	9	E151	43	D355	
	10	E150	44	D354	
	11	E14BA	45	D352	
	12	E152	45.1	D367M	
	12.1	E163C	46	D362	
	12.2	E163D	47	D356	
	12.3	E163E	48	D351	
	12.4	E163A	49	D350	
	12.5	E163B	50	D370M	
	13	E147	51	D371	
			52	D372	

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-17	53	D369		92	D419A
	54	D374		93	D472A
	55	D368		94	D532A
	56	D377		95	E072
	57	D395		96	E076
	58	D373		97	E142A
	59	D574		98	E142B
	60	D576		99	E142C
	61	D575		100	E140
	62	D573B		101	E142
	62.1	D577B		102	E141
	62.2	D578M		103	E139A
	62.3	D580		103.1	D414
	62.4	D579		103.2	D415
	62.5	D585A		103.3	D416A
	E2.6	D586A		103.4	D417
	62.7	D587		103.5	D418
	62.8	D589		104	D413A
	62.9	D588			
	62.10	D650A	4-18	1	G250
	62.11	D763A		1.1	G251
	63	E107		2	G247
	64	E109		3	G249
	65	E108		4	G248
	66	E106A		5	G246
	67	E103		6	F924
	68	E105		8	F923
	69	E104		9	G253
	70	E102		10	G256
	71	E097		11	G254
	72	E136		12	G255
	73	E138		13	G245
	74	E137		14	G252
	75	E135A			
	76	E135	4-18.1	1	F944A
	77	E132		2	G163
	78	E130C		3	G087
	78.1	E134C		4	G125
	78.2	E134B		5	G204
	78.3	E134A		6	G081
	78.4	E130B		7	F925
	78.5	E130A		8	F926
	79	E130		9	F928
	80	E133		10	F945A
	81	E131		11	F945C
	82	E127		12	F945B
	83	E005A		13	F945E
	84	E001A		14	F945D
	84.1	D975A		15	G013
	84.2	E002M		16	G014
	84.3	E003		17	G016
	84.4	E004		18	G015
	85	D975		19	G017
	86	D977		20	F956
	87	D976			
	88	D974B			
	89	E073M			
	90	E075			
	91	E074			

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-18.1	21	F935		69	F987
	22	F934		70	F997
	23	F935A		71	F998
	24	F935B		72	F999
	25	F935C		73	G001
	26	F935D		74	G002
	27	F935E		75	G003
	28	F936		76	G004
	29	F938		77	G005
	30	F940		78	G006
	31	F942		79	G007
	32	F941		80	G029
	33	G021		81	G033
	34	G022		82	G031
	35	G023		83	G032
	36	G024		84	G034
	37	G027		85	G035
	38	G026		86	G040
	39	G027A		87	G037
	40	G028		88	G038
	41	G041		89	G039
	42	G042		90	F946
	43	G047		91	F947
	44	G053		92	F948
	45	G054		93	F950
	46	G058A		94	F949
	47	G085		95	F943A
	48	G085A		96	F951
	49	G085B		97	F952
	50	G085C		98	F953
	51	G059		99	F955
	52	G060		100	F929
	53	G061		101	F930
	54	G062		102	F933
	55	F957		103	F931A
	56	F958		104	F931B
	57	F960		105	F931C
	58	F961		106	F931D
	59	F982		107	F932
	60	F983		108	F931
	61	P984		109	F933E
	62	F985		110	G083
	63	F986		111	G084
	64	F992		112	G058C
	65	F993		113	G058D
	66	F994		114	G061
	67	F995		115	G062
	68	F996		116	G086

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-19	1	G344			
	2	G345			
	3	G346			
	4	G343			
	5	G376			
	6	G383			
	7	G340			
	8	G342			
	9	G341			
	10	G338			
	10.1	G339			
	11	G348			
	12	G351			
	13	G349			
	14	G350			
	15	G347			
	17	G354			
	18	G355			
	19	G352			
	20	G357			
	21	G358			
	22	G356			
	23	G387			
	24	G388			
	25	G362			
	26	G353			
	27	G353			
	28	G390			
	29	G393			
	30	G394			
	31	G392			
	32	G264			
	33	G263			
	34	G399			
	36	G400			
	37	G401			
	38	G406			
	39	G398			
	40	G407			
	41	G413			
	42	G408			
	43	G412			
	44	G414			
	45	G265			
	46	G262			

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	
4-19.1	1	E548B			18	G365
	2	E548C			19	G366
	3	E548F			20	G367
	4	E548G			21	G368
	5	E548D			25	G369
	6	E548E			26	G370
	7	E548H			27	G371
	8	E548J			28	G372
	9	E548K			35	G373
	10	E548L			36	G374
	11	E548N			40	G375
	12	E548P				
	13	E548S	4-20		1	E523A
	14	E548T			2	E525A
	15	E548R			4	E524A
	16	E548U			5	E508
	17	E548W			6	E506
	19	E548V			6.1	E526
	20	E5528			6.2	E5288
	21	E552D			6.3	E528
	22	E552C			6.4	E527
	23	E551Z			6.5	E528A
	24	E552S			7	ES12
	25	E552T			8	E513
	26	E552U			9	E514
	27	E552R			10	E553
	28	E552P			11	E510A
	29	E552H			12	E511
	30	E552K			13	E518
	31	E552L			14	E521
	32	E552N			15	E520
	33	E552J			16	E519M
	34	E552G			17	E516A
	35	E552F			18	E517
	36	E552E			19	E505
	37	E552V1				
	38	E552V2	4-21		1	D216M
	39	E552V3			2	C610
	40	E552V			5	C611B
	41	E552W			5A	C611D
	42	E552Y			6	C611C
	43	E552Z			7	C611A
	44	E552X			9	C613A
	A5	E548A			10	C614M
					11	C612
4-19.2	16	G363			12	C603
	17	G364			13	C605A

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-21	14	C606			
	14A	C606A			
	15	C604			
	16	C608M			
	17	C607			
	18	D221			
	19	D219M			
	20	D218M			
	21	D220			
	22	D201A			
	24	D201C			
	24A	D201B			
	25	D201			
	26	D178			
	27	D036M			
	28	D037A			
	29	D035			
	30	D016			
	31	D049			
	32	D048M			
	33	D042A			
	34	D043A			
	35	D044			
	36	D041M			
	37	D046			
	38	D047A			
	39	D045A			
	40	D177			
	41	D175A			
	42	D176			
	42A	D176A			
	43	D174			
	44	D173			
	45	D171M			
	46	O170A			
	47	D172			
	48	O171M			
	49	C626			
	49A	C628A			
	50	C628			
	51	C627			
	52	C624A			
	53	D226M			
	54	D227M			
	54A	D227A			
	55	D224M			

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-21	56	D223M		96	D165
	58	D225		97	C947B
	59	C602		98	C947D
	60	D014		98A	C947C
	60A	D014A		99	D168
	61	DO15		100	D169
	62	D013		100A	D168A
	63	D012		101	D167M
	64	D011		105	D135M
	65	D010A		106	D136
	65A	D0108		107	D134
	65B	D010C		108	D131A
	66	D009		109	D132A
	67	D008		109A	D133M
				110	D130
	69	D006		111	D129A
	70	D006A		112	C615
	0A	D005		113	C609A
	71	D004A		114	D126A
	72	D069A		115	D128M
	73	D070A		116	D127
	73.1	D068		117	D125A
	73.2	D073M		118	D124
	74	D073A		119	D075
	75	D072B		121	D074
	75.1	D071		122	D159A
	76	C617		123	D154C
	77A	C617A		124	D154B
	77	C617B		125	D154A
	78	C616A		125A	D152A
	79	D138A		125B	D153A
	80	D139A		122C	D151A
	80A	D141A		125D	D150A
	80B	D142A		126	D158
	80C	D140A		127	D155
	81	D144A		128	D156
	81.1	D143		129	D157
	81.2	D14SA		130	D154
	81.3	D146		130A	C6711
	81.4	D137M		131	C671
	82	D162A			
	83	D163		133	C772
	84	D164A		134	C773M
	85	D161A		134A	C772A
	86	D163		135	C771
	87	D164A		136	C678
	88	D160A		138	C680C
	89	D002			
	90	D001			
	91	D003A		139	C680P
	92	C999		139.1	C680D
	93	D160		139.2	C680B
	94	D166		140	C680
	95	D200		141	C668M

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-21	142	C667		5	D194B
	143	C670M		6	D191D
	144	C669M		7	D191C
	145	C665A		8	D191B
	146	C666		10	D191A
	147	C663		11	D194A
	148	C662		12	D195B
	149	C661		13	D195C
	150	C664		14	D190
	151	C660M		is	D19SA
	152	C659		16	D183
	153	C654A		17	D189
	154	C655		18	D188
	155	C652		19	D182
	155.1	C652A		20	D180
	156	C653		21	D187
	157	C677		22	D199A
	158	C658		23	D179
	159	C656			
	160	C657	4-24	1	W034C
	161	C651		2	D034B
	161A	C673A		3	D034A
	162	C673		4	D033
	163	C675			
	164	C676		6	D028M
	164A	C675A		7	D029
	165	C672A		8	D030
	166	C674AM		9	D032
	167	D039M		10	W027
	168	D040		11	D026
	168A	D039A		12	D023A
	169	D038		13	D020D
	178	C6508		14	D019
	179	C681A		15	D018
	180	C684M		16	D017
	181	C685A			
4-22			4-25	1	D058A
	1	D203		2	D056M
	2	D207		3	D055C
	3	D202		4	D054
	4	D205M		5	D059A
	5	D206		6	D061
	6	D214A		7	D060
	7	D215M		8	D062
	8	D209A		9	D063M
	9	D214		10	D065A
	10	D204		11	D066A
	11	D208		12	D052
	12	D213M		13	D053A
	13	D212		14	D053
				15	D051
4-23				16	D067
	1	D199M		17	D050
	2	D198			
	3	D197			
	4	D196			

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-26	1	D119A		26	C913
	2	D123		27	C916
	3	D091		28	C918
	4	D05M		29	C919
	5	D094M		29.1	C919A
	6	D092M		30	C917
	6.1	D093		31	C920
	6.2	D117		32	C925
	7	D121		33	C924
	8	D122		34	C921A
	9	D123		35	C922
	10	D120M		36	C923
	11	D090A		37	C926
	12	D090A		38	C928A
	13	D119A		39	C929A
	14	D123		39.1	C929B
	15	D120M		40	C929F
	16	D078B		41	C929E
	17	D118		42	C929G
	18	D077		43	C929D
				44	C929C
4-27	1	C774		45	C936
	2	C776		46	C939M
	3	C777M		47	C937M
	4	C775		48	C938M
	4.1	C785		49	C940
	5	C807		50	C942
	6	C808		51	C943
	7	C806		52	C941
	8	C838		53	C951
	9	C839		54	C952
	10	C837		54.1	C953A
	10.1	C8478		54.2	C953B
	11	C869		54.3	C953C
	12	C870		55	C949
	13	C868		56	C950A
	14	C901		57	C952
	15	C902		58	C945M
	16	C907A		59	C944
	17	C908A		60	C965
	17.1	C9083		61	C964
	18	C900		62	C966
	19	C903		62.1	C963
	20	C905		62.2	C962
	21	C906		62.3	C961
	21.1	C906AA		63	C967
	21.2	C903A		64	C969
	22	C904		65	C970
	22.1	C911		66	C968
	22.2	C910		67	C972M
	22.3	C909A		68	C971
	23	C912		70	C974A
	24	C914		71	C988
	25	C91SA		72	C980
				73	C984
				74	C979

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-27	74.1	C979A		28	C800
	74.2	C989		29	C893
	74.3	C989A		30	C802
	74.4	C989 B		31	C803
	75	C978		32	C801
	76	C976			
	77	C975	4-29	1	C947AM
	78	C977		2	C946A
	79	C992		3	C954A
	80	C995		4	C955A
	81	C994		5	C956M
	82	C996		6	C957M
	83	C993		7	C95SM
				8	C959M
				9	C960M
4-28	1	C778		10	C948M
	2	C779		11	C955C
	3	C780		12	C9558
	4	C781		13	C9550
	S	C782			
	6	C783			
	7	C784A	4-30	6	C690A
	8	C877		7	C691A
	8.1	C846		7A	C691B
	8.2	C847A		8	C689
	9	C815		9	C694A
	9.1	C784		10	C693
	9.2	C785A		11	C692B
	10	C787		12	C696A
	11	C788		12A	C696E
	12	C879		12B	C696E
	12.1	C848		12C	C696C
	13	C817		12D	C696D
	13.1	C786		13	C700
	14	C790		14	C701
	15	C851		15	C702
	16	C789		16	C697M
	17	C792		17	C703M
	18	C884		18	C704A
	18.1	C853		19	C706
	19	C822		20	C706A
	19.1	C791		21	C705
	20	C797		22	C709
	21	C799		23	C707M
	22	C829		25	C708M
	22.1	C798		26	C712
	22.2	C891		27	C711M
	22.3	C860		28	C713
	23	C795		29	C714M
	24	C794		30	C715
	25	C796		31	C723M
	26	C805A		31A	C716H
	26.1	C805B		31B	C716J
	26.2	C805C		31C	C716K
	27	C804A		32	C725

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-30	33	C716		3	D333A
	40	C74GA		4	D338A
	41	C727		5	D306A
	42	C728		6	D291A
	43	C730		7	D291B
	4 3.1	C727A		8	D283
	43.2	C727B		9	D291A
	43.3	C727C		10	D291
	44	C724A		11	D283
	45	C726A		12	D337
	46	C733A		13	D337B
	46A	C733B		14	D337A
	46B	C733C		15	D334
	46C	C733D		16	D289
	47	C736		16.1	D290A
	48	C734		17	D288
	49	C735		18	D277A
	50	C738.M		19	D339C
	51	C737M		20	D341A
	52	C740		21	D340
	53	C740A		22	D343
	54	C739		23	D346M
	55	C742		24	D348A
	56	C743M		24.1	D348B
	58	C741		24.2	D348C
	59	C746		25	D344
	60	C745		26	D333A
	61	C747M		26.1	D333B
	62	C752		26.2	D333C
	64	C748		26.3	D333D
	65	C751		26.4	D333E
	66	C753.M		27	D342A
	67	C754M		28	D342
	68	C755A		29	D253
	69	C731M		30	D253A
	70	C756		31	D253
	77	C763		32	D254
	78	C764		33	D270A
	79	C765		34	D269A
	80	C767M		35	D268C
	81	C766		36	D347M
	82	C729		37	D268
	83	C768A		38	D263
	84	C769		39	D262
4-31	6	C674C			
4-32	1	D339			
	2	D3398			

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-32	40	D267		15	D300
	41	D266		16	D299
	42	D261		16.1	D296M
	43	D268A		17	D294M
	44	D268B		18	D295
	44	D257		19	D294A
	46	D257A		20	D293M
	47	D259A		21	D307
	48	D258		22	D292M
	49	D318			
	50	D319M	4-35	1	E686
	51	D319A		2	E692
	52	D332		3	E690
	53	D317		4	E691
	54	D331M		5	E687
	55	D330		6	E678
	56	D329		7	E680
	57	D328		8	E679
	58	D328A		9	E677
	59	D327M		10	E682
	60	D326		11	E684
	61	D325		12	E683
	62	D323		13	E681
	62.1	D324		14	E675
	63	D324A		15	E676
	64	D321		16	E688
	65	0320		17	E689
	66	D279		18	E685
	67	D278M		19	F074
	68	D274		20	F111
	69	D275M		21	F294
	70	D274A		22	F395
	71	D273		23	F469
	72	D276		24	F549
	73	D249		25	F635
	73.1	D249A		26	F679
4-33	1	D311A		27	F755
	2	D311C		28	F923
	3	D311B		29	F922
	3.1	D313		30	F921
	3.2	D312		31	F919
	3.3	D314		32	F831
	3.4	D315			
	4	D310	4-36	1	E661
	5	D309		1.1	E669
	6	D309A		2	E719
	7	D308		2.1	F053
	8	D306M		3	E730
	9	D298A		4	E729
	10	D298B		5	E722
	11	D297		6	E724
	12	D305		7	E723
	13	D301		8	E721
	14	D303		9	E726

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-36	10	E727		58	E959
	11	E725		59	E961
	12	E720		60	E960
	13	E728		60.1	E962
	14	E969		61	E958
	15	E970		62	E963
	16	E968		63	F058
	16.1	E974		64	E706
	16.2	E973		65	E707
	17	E866		66	E708
	18	E867		67	E705
	19	E877		68	E704
	20	E872		69	F073
	21	E869		70	P072
	22	E871		71	F071
	23	E870		72	F070
	23.1	E868		73	E882
	24	E873		73.1	E884
	25	E875		74	E883
	26	E876		75	E880
	27	E874		76	E881
	28	E878		77	E879
	28.1	E865		78	E939
	29	E732		79	E943
	30	E734		80	E940
	31	E733		81	E942
	32	E731		82	E941
	33	E711		83	E944
	34	E712		83.1	E938
	35	E710		84	E716
	36	E714		85	E718
	37	E709		86	E717
	38	E713		87	E715
	39	E995		88	E700
	40	F052		89	E702
	41	F051		90	E701
	42	E975		91	E703
	43	F067		92	E699
	44	F069		93	E695
	45	F068		94	E696
	46	F066		95	E697
	47	E947		96	E694
	48	E948		97	E698
	49	E949		98	E693
	50	E950		99	E966
	51	E951		100	E967
	52	E952		101	E965
	53	E954		102	E964
	54	E953		103	F057
	55	E957		103.1	F054
	56	E955		104	F971
	57	E956		105	F056
	57.1	E946		106	F055
	57.2	E945			

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-37	.1	F871A		55	F895
	.2	F871B		56	F896
	1	F913		57	F897
	2	F914		58	F894
	2.1	F871A		59	F893
	3	F873		60	F849
	4	F874		61	F864
	5	F875		62	F864
	6	F872		63	F863
	7	F903		64	F861
	8	F871		65	F877
	9	F882		66	F878
	10	F884		67	F879
	11	F885		67	F876
	12	F881		69	F862
	13	F883		70	F860
	14	F886		71	F898
	15	F880		71.1	F898
	16	F870		71.2	F889
	17	F867		72	F887
	18	F868			
	19	F854	4-38	1	F839
	20	F866		2	F845
	21	F909		3	F838
	22	F911		4	F837
	23	F912		5	F846
	24	F910		6	F844
	25	F900		7	F847
	26	F901		8	F848
	27	F902		9	F848
	28	F899		9	F843
	29	F895		10	F842
	30	F896		11	F841
	31	F897	4-39	1	F857
	32	F894		2	F853
	33	F892		3	F854
	34	F858		4	F856
	35	F859		5	F855
	36	P906		6	F852
	37	F907		7	F850
	38	F908			
	39	F905	4-40	1	E972
	40	F904			
	41	F895	4-42	1	E766
	42	F896		2	E762
	43	F897		3	E763
	44	F894		4	E765
	45	P891		5	E767
	46	P918		6	E769
	47	F917		7	E768
	48	P916		7.1	E764
	49	F915		8	E790
	50	F834		9	E791
	51	F835		9.1	E789
	52	F836			
	53	F833			
	54	F832			

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-42	10	E794		60	E861
	11	E793		61	E862
	12	E792		63	E819
	13	E795		64	E818
	14	E796		65	E821
	15	E797		66	E824
	16	E780		67	E823
	17	E781		68	E822
	17.1	E782		69	E820
	17.2	E735		70	E825
	17.3	E779		71	E778
	18	E785		72	E854
	19	E784		73	E826
	20	E786		74	E853
	21	E783		75	E802
	22	E787		76	E804
	23	E788		77	E803
	24	E799		78	E801
	25	E800		79	E805
	26	E798		80	E807
	27	E771		81	E809
	28	E773		82	E808
	29	E772		83	E806
	30	E774		84	E674
	31	E776		87	E667
	32	E777		88	E813
	33	E775		89	E812
	34	E738		90	E814
	35	E740		91	E815
	36	E739		92	E827
	37	E737		93	E829
	38	E742		94	E855
	39	E744		95	E831
	40	E743		95.1	E832
	41.1	E741		96	E830
	42	E746		97	E816
	43	E749		98	E817
	44	E747		99	E811
	45	E748		100	E110
	46	E745		101	E831
	47	E863		102	E835
	48	E864		103	E839
	49	E752		103.1	E833
	50	E751		104	E834
	51	E754		105	E836
	52	E755		106	B845
	53	E753		107	E837
	54	E757		108	E838
	55	E759		109	E843
	56	E760		110	E847
	57	E758		111	E844
	57.1	E756		112	E846
	58	E761		112.1	E843
	58.1	E736		113	E852
	59	E860		114	E849

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-42	115	E651		32	F014
	115.1	E848		32.1	F015
	116	E858		33	F013
				34	F017
4-45	1	F065		35	F012
	2	F062		35.1	F011
	3	F061		36	F006
	4	F060		37	F010
	5	F063		38	E999
	6	F064		39	E995
	7	F059		40	F001
				41	E994
4-46	1	E977		42	F039
	2	E976		43	E979
	3	F019		44	E980
	4	F020		45	E981
	4.1	F021		46	E978
	5	F027		47	E983
	6	F028		48	E984
	7	E993		49	E982
	10	F009		50	E986
	11	F040		51	E985
	12	F002		53	E988
	13	F029	4-47	1	E886
	13.1	F035		2	E887
	13.2	F034		3	E904
	13.3	F036		4	E890
	13.4	F033		5	E891
	13.5	F032		6	E989
	13.6	F031		7	E885
	13.7	F030		8	E895
	13.8	F037		9	E896
	13.9	F038		10	E894
	13.10	F032A		11	E892
	13.11	F032B		12	E893
	14	E997		13	E897
	15	E998		14	E898
	16	F007		15	E899
	16.1	F003		15.1	E900
	16.2	F004		15.2	E901
	16.3	F005		15.3	E902
	16.4	F008		16	E905
	17	E989		17	E935
	18	E992		18	E937
	19	E991		22	E936
	19.1	E990		23	E918
	22	E996		24	E920
	23	F024		25	E919
	24	F023		26.1	E917
	27	F022		27	E907
	28	F025		28	E909
	29	F050		29	E908
	30	F018		29.1	E903
	31	F016		29.2	E910
				30	E925

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.	FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
4-47	31	E926		11	G158
	32	E906		12	G160
	33	E914		13	G162
	33.1	E915		14	G161
	33.2	E916	5-41	1	G235
	34	E924		2	G236
	35	E922		3	G237
	36	E923		4	G238
	37	E931		5	G234
	38	E930		6	G231
	39	E934		7	G232
	40	E932		8	G229
	41	E933		9	G239
	42	E912		10	G205
	43	E913		11	G240
	44	E928		12	G242
	44.1	E927		13	G244
5-37	A5A1	G266		14	G243
5-28	1	G192			
	2	G193	5-42	1	G080
	3	G194		2	G079A
	4	G195		3	G079B
	5	G191		4	G079C
	6	G188		5	G079D
	7	G189			
	8	G186	5-2	A1A14	A004
	9	G198			
	10	G164	5-3	A1A13	A023A
	11	G199			
	12	G201	5-4	A1A12	A052AM
	13	G203			
	14	G202	5-5	A1A16	A075
				A1A18	A090
5-39	1	G113			
	2	G114	5-6	A1A15	A105
	3	G115		A1A17	A123
	4	G116			
	5	G112	5-7	A1A1	A141
	8	G110		A1A2	A374
	9	G119			
	10	G088	5-8	A1A5	A607
	11	G120			
	12	G122	5-8.1	A1A1	A373A
	13	G124		A1A2	A606A
	14	G123	5-9	A1A6	A655
5-40	1	G151			
	2	G152	5-10	A1A7	A678
	3	G153			
	4	G154	5-11	A1A19	A707
	5	G150			
	8	G148	5-12	A1A9	A727
	9	G157			
	10	G126			

SECTION II INDEX-FIGURE AND ITEM NUMBER CROSS REFERENCE TO INDEX NUMBER (CONTINUED)

FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION	INDEX NO.
5-13	A1A10	A754
5-14	A1A11	A795
5-15	A1A1	A834
5-16	A1A1	A864
5-17	A1A20	A925
5-18	A4A1	C412
	A4A2	C474
	A4A3	C536
5-19	A3B0	F469
5-20	A3A1	F111
	A3A2	F202
5-21	A3A4	F395
5-22	A3B4	F755
5-23	A3B3	F679
5-24	A3B1	F549
5-25A	A3A0	F074
5-25B	A3A3	F294
5-26	A3B2	F635
5-27	PS1A1	D419
5-28	PS1A2	D472
5-29	PS1A3	D532
5-30	PS1A4	D586
5-31	PS1A5	D650
5-32	PS1A6	D763
5-33	PS1A12	D791
5-34A	PS1A14	D974A
5-34B	PS1A15	E005M
5-36	VR1	E548V

Section III. ON-SITE, AREA RESUPPLY, AND DEPOT REPAIR PARTS LIST

NOTE

Effective 30 September 1974, all Federal stock numbers listed in the following On-Site, Area Resupply, and Depot Repair Parts List were converted to the 13-digit National stock number (US) system. To obtain the 13-digit NSN by conversion from the 11-digit Federal stock number, a National Codification Bureau Code (NCBC) of "00" will be entered following the Federal Stock Classification (FSC) code (first four digits); for example, FSN - 6625-553-0142; NCBC -03; FSC -6625; NSN - 6625-00-553-0142. All replacement parts will be ordered under the NSN system.

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE				(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)								
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW. BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)				
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN				
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20					
A	H	R	74409976209						A	A001A	LOW SPEED PAPER TAPE PUNCH UNIT: 58189; RO-315/G	EA											-15 1-1			
A	H	R							B	A002	LOGIC ASSEMBLY: 58189; A64504-001	EA												-15 4-10	14	
M	H								C	A003 M	PLATE, DESIGNATOR: 58189; A61707-003	EA												-15 4-15	20	
P	N	T	74409112501						C	A004	CIRCUIT, CARD ASSEMBLY: 58189; A53418-001	EA	1	2	3	1	2	3				31			-15 4-15	13
X1	D								D	A005	PRINTED CIRCUIT BOARD: 58189; A53419-001	EA												-15 5-2		
P	D		59627910994						D	A006	INTEGRATED CIRCUIT, LOGIC GATE: 18324; C7580K	EA											240		-15 5-2	Z2
			59627910994						D	A007	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA													-15 5-2	Z3
			59627910994						D	A608	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA													-15 5-2	Z14
			59627910994						D	A009	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA													-15 5-2	Z15
			59627910994						D	A010	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA													-15 5-2	Z18

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE				(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)								
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW. BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)				
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN				
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20					
			59627910994						D	A011	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA													-15 5-2	Z19
			59627910994						D	A012	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA													-15 5-2	Z22
			59627910994						D	A013	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA													-15 5-2	Z23
			59627910994						D	A014	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA													-15 5-2	Z26
			59627910994						D	A015	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA													-15 5-2	Z27
P	D		59627911082						D	A016	INTEGRATED CIRCUIT, LOGIC GATE: 18324; C7090K	EA											462		-15 5-2	Z6
			59627911082						D	A017	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA													-15 5-2	Z7
			59627911082						D	A018	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA													-15 5-2	Z10
			59627911082						D	A019	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA													-15 5-2	Z11
			59627911082						D	A020	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA													-15 5-2	Z20

2

1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
P H T X1 D P D			59627911082						D	A021	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA									-15 5-2	Z24		
			59627911082						D	A022	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-2	Z28	
			74409111619						C	A023A	CIRCUIT, CARD ASSEMBLY: 56109; A65441-001	EA	1	1	2	3	1	2	3			3 4-15	-15 12	
									D	A024A	PRINTED CIRCUIT BOARD: 58189; A65442-001	EA	1										-15 5-3	
			59627910994						D	A025	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA											-15 5-3	Z1
			59627910994						D	A026	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA											-15 5-3	Z2
			59627910994						D	A027	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA											-15 5-3	Z14
			59629111001						D	A028A	INTEGRATED CIRCUIT, LOGIC GATE: 18324; C7088K	EA	38								117		-15 5-3	Z23
			59627911082						D	A029A	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA											-15 5-3	Z24
			59629111001						D	A030A	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA											-15 5-3	Z3

3

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
P P D			59627910994						D	A031A	INTEGRATED CIRCUIT, LOGIC GATE.: SAME AS A006	EA									-15 5-3	Z4		
			59627910994						D	A032A	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA										-15 5-3	Z8	
			59627910994						D	A033A	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA										-15 5-3	Z9	
			59627911004						D	A034B	INTEGRATED CIRCUIT, LOGIC GATE: 18324; C7089K	EA	1								3	-15 5-3	Z11	
			59627911393						D	A035A	INTEGRATED CIRCUIT, LOGIC GATE: 18324; C7091K	EA	35								108	-15 5-3	Z12	
			59627911062						D	A036	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA											-15 5-3	Z25
			59627910994						D	A037A	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA											-15 5-3	Z26
			59627911082						D	A038A	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA											-15 5-3	26
			59627910994						D	A039A	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA											-15 5-3	Z7
			59629111001						D	A040A	INTEGRATED CIRCUIT, LOGIC GATE:	EA											-15 5-3	Z10

4

2

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N I T	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS		
			(2) FEDERAL STOCK NUMBER	(3)								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N	
				MODEL								IND C D	DESCRIPTION									
				1	2	3	4	5						6								
			59629111001					D	A041A	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA								-15 5-3	Z15		
			59627911393					D	A042A	INTEGRATED CIRCUIT. LOGIC GATE: SAME AS A035A	EA								-15 5-3	Z16		
			59627911082					D	A043A	INTEGRATED CIRCUIT. LOGIC GATE: SAME AS A016	EA								-15 5-3	Z17		
			59627911082					D	A044A	INTEGRATED CIRCUIT. LOGIC GATE: SAME AS A016	EA								-15 5-3	Z18		
			59627911082					D	A045A	INTEGRATED CIRCUIT. LOGIC GATE: SAME AS A016	EA								-15 5-3	Z19		
			59627911082					D	A046A	INTEGRATED CIRCUIT. LOGIC GATE: SAME AS A016	EA								-15 5-3	Z20		
			59629111001					D	A048	INTEGRATED CIRCUIT. LOGIC GATE: SAME AS A028A	EA								-15 5-3	Z8		
			59627910994					D	A049A	INTEGRATED CIRCUIT. LOGIC GATE: SAME AS A006	EA								-15 5-3	Z13		

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(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N I T	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS		
			(2) FEDERAL STOCK NUMBER	(3)								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N	
				MODEL								IND C D	DESCRIPTION									
				1	2	3	4	5						6								
			59627911082					D	A051A	INTEGRATED CIRCUIT. LOGIC GATE: SAME AS A016	EA								-15 5-3	Z28		
			59627911082					D	A051B	INTEGRATED CIRCUIT. LOGIC GATE: SAME AS A016	EA								-15 5-3	Z21		
P	D		59100432933					D	A051C	CAPACITOR: 81349; CM06F821J03	EA						3		-15 5-3	C1		
P	D		59109482827					D	A051D	CAPACITOR: 81349; CS13BC 107M	EA						3		-15 5-3	C2		
P	D		59058016444					D	A051E	RESISTOR: 81349; RC07GF911J	EA						45		-15 5-3	R1		
P	D		59057024439					D	A051F	RESISTOR: 81349; RC07GF133J	EA						3		-15 5-3	R2		
P	D		59618140768					D	A051G	SEMI-CONDUCTOR. DEVICE, DIODE: 81349; JAN1N3064	EA						325		-15 5-3	CR1		
P	H	T	74409352383					C	A052AM	CIRCUIT CARD ASSEMBLY: 58189; A53584-001	EA	1	2	3	1	2	3	3		-15 4-15	11	
X1	D		59629111001					D	A053	PRINTED CIRCUIT BOARD: 58189; A53585-001	EA								-15 5-4	Z3		
			59629111001					D	A055M	INTEGRATED CIRCUIT. LOGIC GATE: SAME AS A028A	EA								-15 5-4	Z7		

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3

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) (30 DAYS) S I T E S T O C K A G E A L L O W A N C E			(8) 45 DAY AREA R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1-YEAR A L W P E R 100 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L W P E R 100 E Q U I P	(11) I L L U S T R A T I O N S			
			(2) F E D E R A L S T O C K N U M B E R	(3)												(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N		
				M O D E L						I N D C D	D E S C R I P T I O N																
				1	2	3	4	5	6																		
			59629111001									D	A056M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA		REF									-15 5-4	Z11
			59629111001									D	A057M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA		REF									-15 5-4	Z17
			59627910994									D	A058	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA		REF									-15 5-4	Z2
			59627910994									D	A059	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA		REF									-15 5-4	Z10
			59627910994									D	A060	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA		REF									-15 5-4	Z14

6.1

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) (30 DAYS) S I T E S T O C K A G E A L L O W A N C E			(8) 45 DAY AREA R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1-YEAR A L W P E R 100 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L W P E R 100 E Q U I P	(11) I L L U S T R A T I O N S			
			(2) F E D E R A L S T O C K N U M B E R	(3)												(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N		
				M O D E L						I N D C D	D E S C R I P T I O N																
				1	2	3	4	5	6																		
			59627910994									D	A061	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA		REF									-15 5-4	Z16
			59627910994									D	A062	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA		REF									-15 5-4	Z18
			59627910994									D	A063	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA		REF									-15 5-4	Z19
			59627910994									D	A064	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA		REF									-15 5-4	Z20
			59627910994									D	A065	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA		REP									-15 5-4	Z21
			59627910994									D	A066	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA		REF									-15 5-4	Z22
			59627910994									D	A067	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA		REF									-15 5-4	Z23
			59627911082									D	A068	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA		REF									-15 5-4	Z5
			59627911082									D	A069	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA		REF									-15 5-4	Z9
			59627911082									D	A070	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA		REF									-15 5-4	Z15

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4

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS				
			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN								
																					MODEL							
																					1			2	3	4	5	6	IND CD
			59627911082								D	A071	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-4	Z24			
			59627911082								D	A072	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-4	Z25			
			59627911082								D	A073	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-4	Z26			
P	D		59057235251								D	A074	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF222J	EA	26						75			-15 5-4	R1			
P	H	T	74409111145								C	A075	CIRCUIT, CARD ASSEMBLY: 59189; 53721-001	EA	2	1	2	3	1	2	3			6	-15 4-15	15		
X	D										D	A076A	PRINTED CIRCUIT BOARD: 58189; A53722-001	EA	2									-15 5-5				
P	D		59627911120								D	A077	INTEGRATED CIRCUIT, LOGIC GATE: 18324; C7579K	EA	9							27		-15 5-5	Z2			
			59627911120								D	A078	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A077	EA	REF									-15 5-5	Z18			
P	D		59627911048								D	A079	INTEGRATED CIRCUIT, LOGIC GATE: 18324; C7577K	EA	25									75 5-5	-15 Z3			
			59627811048								D	A080	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF									-15 5-5	Z6			

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(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS				
			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN								
																					MODEL							
																					1			2	3	4	5	6	IND CD
			59627911048								D	A081	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF									-15 5-5	Z7			
			59627911048								D	A082	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF									-15 5-5	Z10			
			59627911048								D	A083	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF									-15 5-5	Z11			
			59627911048								D	A084	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF									-15 5-5	Z14			
			59627911048								D	A085	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	DA	REF									-15 5-5	Z15			
			59627911048								D	A086	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF									-15 5-5	Z22			
			59627911048								D	A087	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF									-15 5-5	Z23			
			59627911048								D	A088	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF									-15 5-5	Z26			
			59627911048								D	A089	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF									-15 5-5	Z27			
			74409111145								C	A090	CIRCUIT, CARD ASSEM- BLY: SAME AS A075	EA	REF									-15 4-15	17			

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(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E P A R T C O D E	(1) REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) (30 DAYS) S I T E S T O C K A G E A L L O W A N C E			(8) 45 DAY AREA R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1-YEAR A L W P E R 100 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L W P E R 100 E Q U I P	(11) I L L U S T R A T I O N S								
			(2) F E D E R A L S T O C K N U M B E R	(3) D E S C R I P T I O N								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N							
																						M O D E L						
																						1	2	3	4	5	6	IND C D
							D	A091A	PRINTED CIRCUIT BOARD: SAME AS A076A	EA	REF							-15 5-5										
			59627911120				D	A092	INTEGRATED CIRCUIT. LOGIC GATE: SAME AS A077	EA	REF							-15 5-5	Z2									
			59627911120				D	A093	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A077	EA	REF							-15 5-5	Z18									
			59627911048				D	A094	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF							-15 5-5	Z3									
			59627911048				D	A095	INTEGRATED CIRCUIT, LOGIC GATE; SAME AS A079	EA	REF							-15 5-5	Z6									
			59627911048				D	A096	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF							-15 5-5	Z7									
			59627911048				D	A097	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF							-15 5-5	Z10									
			59627911048				D	A098	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF							-15 5-5	Z11									
			59627911048				D	A099	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF							-15 5-5	Z14									
			\$9627911048				D	A100	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF							-15 5-5	Z15									

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(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E P A R T C O D E	(1) REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) (30 DAYS) S I T E S T O C K A G E A L L O W A N C E			(8) 45 DAY AREA R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1-YEAR A L W P E R 100 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L W P E R 100 E Q U I P	(11) I L L U S T R A T I O N S								
			(2) F E D E R A L S T O C K N U M B E R	(3) D E S C R I P T I O N								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N							
																						M O D E L						
																						1	2	3	4	5	6	IND C D
			59627911048				D	A101	INTEGRATED CIRCUIT. LOGIC GATE: SAME AS A079	EA	REF							-15 5-5	Z22									
			59627911048				D	A102	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF							-15 5-5	Z23									
			59627911048				D	A103	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF							-15 5-5	Z26									
			59627911048				D	A104	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF							-15 5-5	Z27									
P H T			74409111615				C	A105	CIRCUIT, CARD ASSEMBLY: 58189: A53725-001	EA	2	1	2	3	1	2	3	6	-15 4-15	14								
X 1 D							D	A106M	PRINTED CIRCUIT BOARD: 58189: A53726-001	EA	2								-15 5-6									
			59627911082				D	A107	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-6	Z1								
			59627911082				D	A108	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-6	Z2								
			59627911082				D	A109	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-6	Z3								
			59627911082				D	A110	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-6	Z4								

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(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) D E P O T M A I N T A L W P E R 1 0 0 E Q U I P	(11) ILLUSTRATIONS	
			(2) F E D E R A L S T O C K N U M B E R	(3)						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N					
				M O D E L																					
				1	2	3	4	5	6												IND C D			DESCRIPTION	
			59627911082								D	A111	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z9
			59627911082								D	A112	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z10
			59627911082								D	A113	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z11
			59627911082								D	A114	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z12
			59627911082								D	A115	INTEGRATED CIRCUIT, LOGIC GATE- SAME AS A016	EA	REF									-15 5-6	Z12
			59627911082								D	A116	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z18
			59627911082								D	A117	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z19
			59627911082								D	A118	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z20
			59627911082								D	A119	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z25
			59627911082								D	A120	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z26

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(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) D E P O T M A I N T A L W P E R 1 0 0 E Q U I P	(11) ILLUSTRATIONS	
			(2) F E D E R A L S T O C K N U M B E R	(3)						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N					
				M O D E L																					
				1	2	3	4	5	6												IND C D			DESCRIPTION	
			59627911082								D	A121	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z27
			59627911082								D	A122	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z28
			74409111615								C	A123	CIRCUIT, CARD ASSEMBLY: SAME AS A105	EA	REF									-15 4-15	16
											D	A124M	PRINTED CIRCUIT BOARD: SAME AS A106M	EA	REF									-15 5-6	
			59627911082								D	A125	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z1
			59627911082								D	A126	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z2
			59627911082								D	A127	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z3
			59627911082								D	A128	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z4
			59627911082								D	A129	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z9
			59627911082								D	A130	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-6	Z10

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(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE											(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) (30 DAYS) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS					
			(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	(A) 1-5	(B) 6-10				(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN								
																									MODEL					
																									1	2	3	4	5	6
			59627911082						D	A131	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA				REF						-15 5-6	Z11							
			59627911082						D	A132	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA				REF						-15 5-6	Z12							
			59627911082						D	A133	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA				REF						-15 5-6	Z17							
			59627911082						D	A134	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA				REF						-15 5-6	Z18							
			59627911082						D	A135	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA				REF						-15 5-6	Z19							
			59627911082						D	A136	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA				REF						-15 5-6	Z20							
			59627911082						D	A137	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA				REF						-15 5-6	Z25							
			59627911082						D	A138	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA				REF						-15 5-6	Z26							
			59627911082						D	A139	INTEGRATED CIRCUIT, LOGIC GATE, SAME AS A016	EA				REF						-15 5-6	Z27							
			59627911082						D	A140	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA				REF						-15 5-6	Z28							

(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE											(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) (30 DAYS) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS					
			(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	(A) 1-5	(B) 6-10				(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN								
																									MODEL					
																									1	2	3	4	5	6
P	H	T	744093S2387						C	A141	CIRCUIT, CARD ASSEMBLY: 58189; A65201-001	EA		2	1	2	3	1	2	3			6	-15 4-15	1					
X	D								D	A142M	PRINTED CIRCUIT BOARD: 58189; A65202-001	EA		2										-15 5-7						
P	D		59100601187						D	A143	CAPACITOR, FIXED, MICA: 61349; CM05F161J03	EA		4									12	-15 5-7	C1					
			59100601187						D	A144	CAPACITOR, FIXED, MICA: SAME AS A143	EA												-15 5-7	C2					
			59627910994						D	A145	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA												-15 5-7	Z1					
			59627910994						D	A146	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA												-15 5-7	Z2					
			59627910994						D	A147	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA												-15 5-7	Z3					
			59627911082						D	A148	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA												-15 5-7	Z4					
P	D		59056819969						D	A149	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF332J	EA		4									12	-15 5-7	R1					
			59056819969						D	A150	RESISTOR, FOXED, COMPOSITION: SAME AS A149	EA												-15 5-7	R11					

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		58056869997					D	A151	RESISTOR, FIXED, COM- POSITION: 91349: RC07GF682J	EA	4							12	-15 5-7	R2	
			59056869997					D	A152	RESISTOR, FIXED, COM- POSITION: SAME AS A151	EA	REF								-15 5-7	R12	
P	D		59058000179					D	A153	RESISTOR, FIXED, COM- POSITION: 81349: RC07GF563J	EA	26							78	-15 5-7	R3	
			590580D0179					D	A154	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF								-15 5-7	R13	
			590580D0179					D	A155	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF								-15 5-7	R49	
			59058000179					D	A156	RESISTOR, FIXED, CON- POSITION: SAME AS A153	EA	REF								-15 5-7	R58	
			59058000179					D	A157	RESISTOR, FIXED. COM- POSITION: SAME AS A153	EA	REF								-15 5-7	R67	
			59058000179					D	A158	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF								-15 5-7	R76	
			59058000179					D	A159	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF								-15 5-7	R85	
			59058000179					D	A160	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF								-15 5-7	R94	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59058000179					D	A161	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF								-15 5-7	R103	
			59058000179					D	A162	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF								-15 5-7	R112	
			59058000179					D	A163	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF								-15 5-7	R121	
			59058000179					D	A164	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF								-15 5-7	R130	
			59058000179					D	A165	RESISTOR, FIXED, COM- POSITION: SAME AS A15 3	EA	REF								-15 5-7	R139	
P	D		59058074854					D	A166	RESISTOR, FIXED, COM- POSITION: 81349: RC07GF751J	EA	4								12 5-7	-15 R4	
			59058074854					D	A167	RESISTOR, FIXED, COM- POSITION: SAME AS A166	EA	REF								-15 5-7	R14	
P	D		59058016998					D	A168	RESISTOR, FIXED, COM- POSITION: 81349; RC07GF621J	EA	4								12	-15 5-7	R6
			59058016998					D	A169	RESISTOR, FIXED, COM- POSITION: SAME AS A168	EA	REP								-15 5-7	R16	
P	D		59051858510					D	A170	RESISTOR, FIXED, COM- POSITION: 81349: RC07GF103J	EA	61								180	-15 5-7	R7

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1-YEAR A L W P E R 100 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L W P E R 100 E Q U I P	(11) I L L U S T R A T I O N S			
			(2) F E D E R A L S T O C K N U M B E R	(3)												(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N		
				M O D E L						I N D C D	D E S C R I P T I O N																
				1	2	3	4	5	6																		
			59051858510									D	A171	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R17
			59051858510									D	A172	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R44
			59051858510									D	A173	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R45
			590518585150									D	A174	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R53
			59051858510									D	A175	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R54
			59051858510									D	A176	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R62
			59051858510									D	A177	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REP										-15 5-7	R63
			59051858510									D	A178	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R71
			59051858510									D	A179	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R72
			59051858510									D	A180	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R80

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1-YEAR A L W P E R 100 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L W P E R 100 E Q U I P	(11) I L L U S T R A T I O N S			
			(2) F E D E R A L S T O C K N U M B E R	(3)												(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N		
				M O D E L						I N D C D	D E S C R I P T I O N																
				1	2	3	4	5	6																		
			59051858510									D	A181	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R81
			59051858510									D	A182	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R89
			59051858510									D	A183	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R90
			59051858510									D	A184	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R98
			59051858510									D	A185	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R99
			59051858510									D	A186	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R107
			59051858510									D	A187	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R108
			59051858510									D	A188	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R116
			59051858510									D	A189	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R117
			59051858510									D	A190	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF										-15 5-7	R125

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		59051858510						D	A191	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF							-15 5-7	R126	
			59051858510						D	A192	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF							-15 5-7	R134	
			59051858510						D	A193	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF							-15 5-7	R135	
			590519155571						D	A194	RESISTOR, FIXED, COM- POSITION: 81311: RC20GF680J	EA	8	REF							-15 5-7	R8
			59051955571						D	A195	RESISTOR, FIXED, COM- POSITION: SAME AS A194	EA	REF								-15 5-7	R9
			590519555117						D	A196	RESISTOR, FIXED, COM- POSITION: SAME AS A194	EA	REF								-15 5-7	R18
			59051911171						D	A197	RESISTOR, FIXED, COM- POSITION: SAME AS A194	EA	REF								-15 5-7	R19
			59056910195						D	A198	RESISTOR, FIXED, COM- POSITION: 81349: RC07GF562J	EA	12	REF							-15 5-7	R10
			59056910195						D	A199	RESISTOR, FIXED, COM- POSITION: SAME AS A198	EA	REF								-15 5-7	R20
P	D		59056863798					D	A200	RESISTOR, FIXED, COM- POSITION: 81349: RC07GF272J	EA	10	REF					24	-15 5-7	R21		

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		59056863798						D	A201	RESISTOR, FIXED, COMPOSITION: SAME AS A200	EA	REF							-15 5-7	R24	
			59056863798						D	A202	RESISTOR, FIXED, COMPOSITION: SAME AS A200	EA	REF							-15 5-7	R27	
			59056863798						D	A203	RESISTOR, FIXED, COMPOSITION: SAME AS A200	EA	REF							-15 5-7	R30	
			59056816462						D	A204	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF102J	EA	33	REF					84	-15 5-7	R22	
			59056816462						D	A205	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF							-15 5-7	R25	
			590568186462						D	A206	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF							-15 5-7	R28	
			59056816462						D	A207	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF							-15 5-7	R31	
			59056816462						D	A208	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF							-15 5-7	R142	
			59056816462						D	A209	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF							-15 5-7	R144	
			P	D		59056824101					D	A210	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF752J	EA	8	REF					24	-15 5-7

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)									
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)							
S	O	U											MODEL								IND	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6												CD	1-5	6-10	11-20	1-5	6-10	11-20
D	C	E	DESCRIPTION																										
P	D		59056824101							D	A211	RESISTOR, FIXED, COMPOSITION: SAME AS A210	EA		REF							12	-15	5-7	R26				
			59056824101							D	A212	RESISTOR, FIXED, COMPOSITION: SAME AS A210	EA		REF								-15	5-7	R29				
			59056624101							D	A213	RESISTOR, FIXED, COMPOSITION: SAME AS A210	EA		REF								-15	5-7	R32				
			59056863369							D	A214	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF331J	EA		5								-15	5-7	R33				
			590568633 69							D	A215	RESISTOR, FIXED, COMPOSITION: SAME AS A214	EA		REF								-15	5-7	R38				
			59058016444							D	A216	RESISTOR, FIXED, COMPOSITION: SAME AS A051E	EA		REF								-15	5-7	R34				
			59058016444							D	A217	RESISTOR, FIXED, COMPOSITION: SAME AS A051E	EA		REF								-15	5-7	R39				
P	D		59056824109							D	A218	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF561J	EA		2							6	-15	5-7	R35				
P	D		59056870000							D	A219	RESISTOR, FIXED COMPOSITION: 81349; RC07GF183J	EA		6							12	-15	5-7	R36				
			59056870000							D	A220	RESISTOR, FIXED, COMPOSITION: SAME AS A219	EA		REF								-15	5-7	R40				

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)									
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)							
S	O	U											MODEL								IND	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6												CD	1-5	6-10	11-20	1-5	6-10	11-20
D	C	E	DESCRIPTION																										
P	D		59056832236							D	A6221	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF391J	EA		14							42	-15	5-7	R37				
			59056832236							D	A222	RESISTOR, FIXED, COMPOSITION: SAME AS A221	EA		REF								-15	5-7	R41				
P	D		59050518012							D	A223	RESISTOR, FIXED, FILM: 81349; RN60D7321F	EA		22							66	-15	5-7	R42				
			59050518012							D	A224	RESISTOR, FIXED, FILM: SAME AS A223	EA		REF								-15	5-7	R51				
			59050518012							D	A225	RESISTOR, FIXED, FILM: SAME AS A223	EA		REF								-15	5-7	R60				
			59050518012							D	A226	RESISTOR, FIXED, FILM: SAME AS A223	EA		REF								-15	5-7	R69				
			59050518012							D	A227	RESISTOR, FIXED, FILM: SAME AS A223	EA		REF								-15	5-7	R87				
			59050518012							D	A218	RESISTOR, FIXED, FILM: SAME AS A223	EA		REF								-15	5-7	R87				
			5905051B012							D	A229	RESISTOR, FIXED, FILM: SAME AS A223	EA		REF								-15	5-7	R96				
			59050518012							D	A230	RESISTOR, FIXED, FILM: SAME AS A223	EA		REF								-15	5-7	R105				
			59050518012							D	A231	RESISTOR, FIXED, FILM: SAME AS A223	EA		REF								-15	5-7	R114				
			59050018012							D	A232	RESISTOR, FIXED, FILM: SAME AS A223	EA		REF								-15	5-7	R123				

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		59050518012					D	A233	RESISTOR, FIXED, FILM: SAME AS A223	EA	REF								-15 5-7	R132	
			59056832246					D	A234	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF473J	EA	44						132		-15 5-7	R43	
			59056832246					D	A235	RESISTOR, FIXED, COMPOSITION: SAME AS A234	EA	REF								-15 5-7	R48	
			59056832246					D	A236	RESISTOR, FIXED, COMPOSITION: SAME AS A234	EA	REF								-15 5-7	R52	
			59056832246					D	A237	RESISTOR, FIXED, COMPOSITION: SAME AS A234	EA	REF								-15 5-7	R57	
			59056832246					D	A238	RESISTOR, FIXED, COMPOSITION: SAME AS A234	EA	REF								-15 5-7	R61	
			59056832246					D	A239	RESISTOR, FIXED, COMPOSITION: SAME AS A234	EA	REF								-15 5-7	R66	
			59056832246					D	A240	RESISTOR, FIXED, COMPOSITION: SAME AS A234	EA	REF								-15 5-7	R70	
			59056832246					D	A241	RESISTOR, FIXED, COMPOSITION: SAME AS A234	EA	REF								-15 5-7	R75	
			59056832246					D	A242	RESISTOR, FIXED, COMPOSITION: SAME AS A234	EA	REF								-15 5-7	R79	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59056832246					D	A243	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R84	
			59056832246					D	A244	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R88	
			59056832246					D	A245	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R93	
			59056832246					D	A246	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R97	
			59056832246					D	A247	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R102	
			59056832246					D	A248	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R106	
			59056832246					D	A249	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R111	
			59056832246					D	A250	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R115	
			59056832246					D	A251	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R120	
			59056832246					D	A252	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R124	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		59056832246						D	A253	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF							-15 5-7	R129	
			59056832246						D	A254	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF							-15 5-7	R133	
			59056832246						D	A255	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF							-15 5-7	R138	
			59056819970						D	A256	RESISTOR, FIXED, COM- POSITION: 81349; RC07GF822J	EA	22					66		-15 5-7	R46	
			59056819970						D	A257	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA	REF							-15 5-7	R55	
			59056819970						D	A258	RESISTOR, FIXED, COW- POSITION: SAME AS A256	EA	REF							-15 5-7	R64	
			59056819970						D	A259	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA	REF							-15 5-7	R73	
			59056819970						D	A260	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA	REF							-15 5-7	R82	
			59056819970						D	A261	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA	REF							-15 5-7	R91	
			59056819970						D	A262	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA	REP							-15 5-7	R100	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		59056819970						D	A263	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA	REF							-15 5-7	R109	
			59056819970						D	A264	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA	REF							-15 5-7	R118	
			59056819970						D	A265	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA	REF							-15 5-7	R127	
			59056819970						D	A266	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA	REF							-15 5-7	R136	
			59056824097						D	A267	RESISTOR, FIXED, COM- POSITION: 81349; RC07GF302J	EA	26					78		-15 5-7	R5	
			59056824097						D	A268	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA	REF							-15 5-7	R15	
			59056824097						D	A269	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA	REF							-15 5-7	R47	
			59056824097						D	A270	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA	REF							-15 5-7	R56	
			59056824097						D	A271	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA	REF							-15 5-7	R65	
			59056824097						D	A272	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA	REF							-15 5-7	R74	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)									
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)							
S	O	U											MODEL								IND	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6												CD	1-5	6-10	11-20	1-5	6-10	11-20
P	D		59056824097							D	A273	RESISTOR, FIXED, COMPOSITION: SAME AS A267	EA		REF									-15 5-7	R83				
			59056824097							D	A274	RESISTOR, FIXED, COMPOSITION: SAME AS A267	EA		REF									-15 5-7	R92				
			59056824097							D	A275	RESISTOR, FIXED, COMPOSITION: SAME AS A267	EA		REF									-15 5-7	R101				
			59056824097							D	A276	RESISTOR, FIXED, COMPOSITION: SAME AS A267	EA		REF									-15 5-7	R110				
			59056824097							D	A277	RESISTOR, FIXED, COMPOSITION: SAME AS A267	EA		REF									-15 5-7	R119				
			59056824097							D	A278	RESISTOR, FIXED, COMPOSITION: SAME AS A267	EA		REF									-15 5-7	R128				
			59056824097							D	A279	RESISTOR, FIXED, COMPOSITION: SAME AS A267	EA		REF									-15 5-7	R137				
			59057278001							D	A280	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF681J	EA		22						66			-15 5-7	R50				
			59057278001							D	A281	RESISTOR, FIXED, COMPOSITION: - SAME AS A280	EA		REF									-15 5-7	R59				
	59057278001							D	A282	RESISTOR, FIXED, COMPOSITION: SAME AS A280	EA		REF									-15 5-7	R68						

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)									
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)							
S	O	U											MODEL								IND	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6												CD	1-5	6-10	11-20	1-5	6-10	11-20
P	D		59057278001							D	A283	RESISTOR, FIXED, COMPOSITION: SAME AS A280	EA		REF									-15 5-7	R77				
			59057278001							D	A284	RESISTOR, FIXED, COMPOSITION: SAME AS A280	EA		REF									-15 5-7	R86				
			59057278001							D	A285	RESISTOR, FIXED, COMPOSITION: SAME AS A280	EA		REF									-15 5-7	R95				
			59057278001							D	A286	RESISTOR, FIXED, COMPOSITION: SAME AS A280	EA		REF									-15 5-7	R104				
			59057278001							D	A287	RESISTOR, FIXED, COMPOSITION: SAME AS A280	EA		REF									-15 5-7	R113				
			59057278001							D	A288	RESISTOR, FIXED, COMPOSITION: SAME AS A280	EA		REF									-15 5-7	R122				
			59057278001							D	A289	RESISTOR, FIXED, COMPOSITION: SAME AS A280	EA		REF									-15 5-7	R131				
			59057278001							D	A290	RESISTOR, FIXED, COMPOSITION: SAME AS A280	EA		REF									-15 5-7	R140				
			59056869998							D	A291	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF472J	EA		8						12			-15 5-7	R141				
			59056869998							D	A292	RESISTOR, FIXED, COMPOSITION: SAME AS A291	EA		REF									-15 5-7	R143				

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	D		59052792627						D	A293	RESISTOR, FIXED, COMPOSITION 813489: RC42GF750J	EA	4								12	-15 5-7	R145		
			59052792627						D	A294	RESISTOR, FIXED, COMPOSITION: SAME AS A293	EA	REF									-15 5-7	R146		
			59618140768						D	A295	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR1		
			59618140768						D	A296	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR2		
			59618140768						D	A297	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR3		
			59618140768						D	A298	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR4		
			59618140768						D	A299	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR6		
			59618140768						D	A300	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR7		
			59618140768						D	A301	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR8		
			59618140768						D	A302	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR9		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59618140768						D	A303	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR10		
			59618140768						D	A304	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR12		
			59618140768						D	A305	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR13		
			59618140768						D	A306	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR14		
			59618140768						D	A307	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR15		
			59618140768						D	A308	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR17		
			59618140768						D	A309	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR18		
			59618140768						D	A310	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR19		
			59618140768						D	A311	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR20		
			59618140768						D	A312	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR21		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	O	U											MODEL								IND CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					1-5	6-10	11-20	1-5	6-10	11-20		
P	D		59618140768							D	A313	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF									-15	5-7	CR22					
			59618140768							D	A314	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF									-15	5-7	CR23					
			59618140768							D	A315	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF									-15	5-7	CR24					
			59618140768							D	A316	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF									-15	5-7	CR25					
			59618140768							D	A317	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF									-15	5-7	CR26					
			59618140768							D	A318	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF									-15	5-7	CR27					
			59618140768							D	A319	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF									-15	5-7	CR28					
			59619952310							D	A320	SEMI-CONDUCTOR DEVICE, DIODE: 81349: JAN1N752A	EA	5	REF							12		-15	5-7	VR1				
			59619952310							D	A321	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A320	EA	REF									-15	5-7	VR2					
P	D		59610680687						D	A322	SEMI-CONDUCTOR DEVICE, DIODE: 81350: JAN1N3821A	EA	4	REF						12		-15	5-7	VR3						

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	O	U											MODEL								IND CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					1-5	6-10	11-20	1-5	6-10	11-20		
P	D		59610680687							D	A323	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A322	EA	REF									-15	5-7	VR4					
			59610507499							D	A324	TRANSISTOR: 81350: JAN2N2219	EA	112	REF					520		-15	5-7	Q1						
			59610507499							D	A325	TRANSISTOR: SAME AS A324	EA	REF									-15	5-7	Q3					
			59610507499							D	A326	TRANSISTOR: SAME AS A324	EA	REF									-15	5-7	Q5					
			59610507499							D	A327	TRANSISTOR: SAME AS A324	EA	REF									-15	5-7	Q7					
			59610507499							D	A328	TRANSISTOR: SAME AS A324	EA	REF									-15	5-7	Q9					
			59610507499							D	A329	TRANSISTOR: SAME AS A324	EA	REF									-15	5-7	Q10					
			59610507499							D	A330	TRANSISTOR: SAME AS A324	EA	REF									-15	5-7	Q11					
			59610507499							D	A331	TRANSISTOR: SAME AS A324	EA	REF									-15	5-7	Q12					
			59610507499							D	A332	TRANSISTOR: SAME AS A324	EA	REF									-15	5-7	Q13					
			59610507499							D	A333	TRANSISTOR: SAME AS A324	EA	REF									-15	5-7	Q14					
			59610507499							D	A334	TRANSISTOR: SAME AS A324	EA	REF									-15	5-7	Q15					

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
			59610507499						D	A335	TRANSISTOR: SAME AS A324	EA									-15 5-7	Q16
			59610507499						D	A336	TRANSISTOR SAME AS A324	EA									-15 5-7	Q17
			59610507499						D	A337	TRANSISTOR SAME AS A324	EA									-15 5-7	Q18
			59610507499						D	A338	TRANSISTOR: SAME AS A324	EA									-15 5-7	Q19
			59610507499						D	A339	TRANSISTOR: SAME AS A324	EA									-15 5-7	Q20
			59610507499						D	A340	TRANSISTOR. SAME AS A324	EA									-15 5-7	Q21
			59610507499						D	A341	TRANSISTOR: SAME AS A324	EA									-15 5-7	Q22
			59610507499						D	A342	TRANSISTOR. SAME AS A324	EA									-15 5-7	Q23
			59610507499						D	A343	TRANSISTOR SAME AS A324	EA									-15 5-7	Q24
			59610507499						D	A344	TRANSISTOR SAME AS A324	EA									-15 5-7	Q25
			59610507499						D	A345	TRANSISTOR SAME AS A324	EA									-15 5-7	Q26
			59610507499						D	A346	TRANSISTOR. SAME AS A324	EA									-15 5-7	Q27

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
			59610507499						D	A347	TRANSISTOR SAME AS A324	EA									-15 5-7	Q28
			59610507499						D	A348	TRANSISTOR. SAME AS A324	EA									-15 5-7	Q29
			59610507499						D	A349	TRANSISTOR: SAME AS A324	EA									-15 5-7	Q30
			59610507499						D	A350	TRANSISTOR SAME AS A324	EA									-15 5-7	Q31
			59610507499						D	A352	TRANSISTOR SAME AS A324	EA									-15 5-7	Q32
			59610507499						D	A352	TRANSISTOR SAME AS A324	EA									-15 5-7	Q33
			59610507499						D	A353	TRANSISTOR SAME AS A324	EA									-15 5-7	Q34
			59610507499						D	A354	TRANSISTOR: SAME AS A324	EA									-15 5-7	Q35
			59610507499						D	A355	TRANSISTOR SAME AS A324	EA									-15 5-7	Q36
			59610507499						D	A356	TRANSISTOR SAME AS A324	EA									-15 5-7	Q37
			59610507499						D	A357	TRANSISTOR: SAME AS A324	EA									-15 5-7	Q38
			59610507499						D	A358	TRANSISTOR SAME AS A324	EA									-15 5-7	Q39

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59610507499					D	A359	TRANSISTOR: SAME AS A324	EA	REF								-15 5-7	Q40	
			59610507499					D	A360	TRANSISTOR: SAME AS A324	EA	REF								-15 5-7	Q41	
			59610507499					D	A361	TRANSISTOR: SAME AS A324	EA	REF								-15 5-7	Q42	
			59610507499					D	A362	TRANSISTOR: SAME AS A324	EA	REF								-15 5-7	Q43	
			59610507499					D	A363	TRANSISTOR: SAME AS A324	EA	REF								-15 5-7	Q44	
			59610507499					D	A364	TRANSISTOR: SAME AS A324	EA	REF								-15 5-7	Q45	
			59610507499					D	A365	TRANSISTOR: SAME AS A324	EA	REF								-15 5-7	Q46	
			59610507499					D	A366	TRANSISTOR: SAME AS A324	EA	REF								-15 5-7	Q47	
			59610507499					D	A367	TRANSISTOR: SAME AS A324	EA	REF								-15 5-7	Q48	
			59610507499					D	A368	TRANSISTOR:- SAME AS A3 24	EA	REF								-15 5-7	Q49	
P	D		59618804779					D	A369	TRANSISTOR.- 81350; JAN2N2905	EA	20						100		-15 5-7	Q2	
			59619804779					D	A370	TRANSISTOR: SAME AS A369	EA	REF								-15 5-7	Q4	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
								D	A371	TRANSISTOR: SAME AS A369	EA	REF								-15 5-7	Q6	
								D	A372	TRANSISTOR: SAME AS A369	EA	REF								-15 5-7	Q8	
P	D		59709564972					D	A373	INSULATOR, DISK: 07047; 10079	EA	153						153		-15 5-7		
A	H	T						C	A373A	CIRCUIT, CARD ASSEM - BLY: 58189; A65219-001	EA	2								-15 4-15	1.1	
X1	D							D	A373B	PRINTED CIRCUIT BOARD: 58189; A65220-001	EA	2								-15 5-8.1		
			59627911082					D	A373C	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8.1	Z1	
			59627910994					D	A373D	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-8.1	Z2	
			59627910994					D	A373E	INTEGRATED CIRCUIT LOGIC GATE: SAME AS A006	EA	REF								-15 5-8.1	Z3	
			59627910994					D	A373F	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-8.1	Z4	
P	D		74401343718					D	A373G	ELECTRONIC COMPON- ENT ASSEMBLY: 58189; T00024-001	EA	10						30		-15 5-8.1	Z5	
			74401343718					D	A373H	ELECTRONIC COMPON- ENT ASSEMBLY: SAME AS A373G	EA	REF								-15 5-8.1	Z6	
			74401343718					D	A373J	ELECTRONIC COMPON- ENT ASSEMBLY: SAME AS A373G	EA	REF								-15 5-8.1	Z7	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD		1-5	6-10	11-20	1-5	6-10	11-20									
			74401343718				D	A373K	ELECTRONIC COMPONENT ASSEMBLY: SAME AS A373G	EA	REF								-15 5-8.1	Z9		
			74401343718				D	A373L	ELECTRONIC COMPONENT ASSEMBLY: SAME AS A373G	EA	REF								-15 5-8.1	Z13		
P	D		74401343713				D	A373M	ELECTRONIC COMPONENT ASSEMBLY: 58189; T00121-004	EA	4						12	-15 5-8.1	Z8			
			74431343723				D	A373N	ELECTRONIC COMPONENT ASSEMBLY: SAME AS A373M	EA	REF								-15 5-8.1	Z12		
P	D		74401343723				D	A373P	ELECTRONIC COMPONENT ASSEMBLY: 58189; T00121-004	EA	2						6	-15 5-8.1	Z10			
P	D		74401343717					A373Q	ELECTRONIC COMPONENT ASSEMBLY: 58189; T00024-002	EA	2						6	-15 5-8.1	Z12			
P	D		74401343724				D	A373R	ELECTRONIC COMPONENT ASSEMBLY: 58189; T00023-002	EA	2						6	-15 5-8.1	Z14			
P	D		74401343725					A373S	ELECTRONIC COMPONENT ASSEMBLY: 58189; T00023-002	EA	2						6	-15 5-8.1	Z15			
			59056869998				D	A373T	RESISTOR, FIXED, COMPOSITION: SAME AS A291	EA	REF								-15 5-8.1	R1		
			59056869998				D	A373U	RESISTOR, FIXED, COMPOSITION: SAME AS A291	EA	REF								-15 5-8.1	R3		
			59056816462				D	A373V	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF								-15 5-8.1	R2		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD		1-5	6-10	11-20	1-5	6-10	11-20									
			59056816462				D	A373W	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF								-15 5-8.1	R4		
			59709564972				D	A373X	INSULATOR DISK: SAME AS A373	EA	REF								-15 5-8.1	Q1		
			59610507499				D	A373Y	TRANSISTOR: SAME AS A324	EA	REF								-15 5-8.1	Q1		
			59610507499				D	A373Z	TRANSISTOR: SAME AS A324	EA	REF								-15 5-8.1	Q2		
			74409352387				D	A374	CIRCUIT, CARD ASSEMBLY: SAME AS A414	EA	REF								-15 4-15	2		
							D	A375 M	PRINTED CIRCUIT BOARD: SAME AS A142 M	EA	REF								-15 5-7			
			59100601187				D	A376	CAPACITOR, FIXED, MICA SAME AS A143	EA	REF								-15 5-7	C1		
			59100601187					A377	CAPACITOR, FIXED, MICA SAME AS A143	EA	REF								-15 5-7	C2		
			59627910994				D	A378	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-7	Z1		
			59627910994				D	A379	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-7	Z2		
			59627910994				D	A380	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-7	Z3		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59627911082						D	A381	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF											-15 5-7	Z4
			59056819969						D	A382	RESISTOR, FIXED, COM- POSITION: SAME AS A149	EA	REF											-15 5-7	R1
			59056819969						D	A383	RESISTOR, FIXED, COM- POSITION: SAME AS A149	EA	REF											-15 5-7	R11
			59056869997						D	A384	RESISTOR, FIXED, COM- POSITION: SAME AS A151	EA	REF											-15 5-7	R2
			59056869997						D	A385	RESISTOR, FIXED, COM- POSITION: SAME AS A151	EA	REF											-15 5-7	R12
			59058000179						D	A386	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF											-15 5-7	R3
			59058000179						D	A387	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF											-15 5-7	R13
			59058000179						D	A388	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF											-15 5-7	R49
			59058000179						D	A389	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF											-15 5-7	R58
			59058000179						D	A390	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF											-15 5-7	R67

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59058000179						D	A391	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF											-15 5-7	R76
			59058000179						D	A392	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF											-15 5-7	R85
			59058000179						D	A393	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF											-15 5-7	R94
			59058000179						D	A394	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF											-15 5-7	R103
			59058000179						D	A395	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF											-15 5-7	R112
			59058000179						D	A396	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF											-15 5-7	R121
			59058000179						D	A397	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF											-15 5-7	R130
			59058000179						D	A398	RESISTOR, FIXED, COM- POSITION: SAME AS A153	EA	REF											-15 5-7	R139
									D	A399	RESISTOR, FIXED, COM- POSITION: SAME AS A166	EA	REF											-15 5-7	R4
									D	A400	RESISTOR, FIXED, COM- POSITION: SAME AS A166	EA	REF											-15 5-7	R14

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59058016998						D	A401	RESISTOR, FIXED, COM- POSITION: SAME AS A168	EA	REF											-15 5-7	R6
			59058016998						D	A402	RESISTOR, FIXED, COM- POSITION: SAME AS A168	EA	REF											-15 5-7	R16
			59051858510						D	A403	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R7
			59051858510						D	A404	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R17
			59051858510						D	A405	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R44
			59051858510						D	A406	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R45
			59051858510						D	A407	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R53
			59051858510						D	A408	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R54
			59051858510						D	A409	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R62
			59051858510						D	A410	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R63

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59051858510						D	A411	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R71
			59051858510						D	A412	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R72
			59051858510						D	A413	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R80
			59051858510						D	A414	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R81
			59051858510						D	A415	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R89
			59051858510						D	A416	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R90
			59051858510						D	A417	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R98
			59051858510						D	A418	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R99
			59051858510						D	A419	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R107
			59051858510						D	A420	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA	REF											-15 5-7	R106

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			59051856510						D	A421	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA										-15 5-7	R116
			59051858510						D	A422	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA										-15 5-7	R117
			59051858510						D	A421	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA										-15 5-7	R125
			59051858510						D	A424	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA										-15 5-7	R126
			59051858510						D	A425	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA										-15 5-7	R134
			59051858510						D	A426	RESISTOR, FIXED, COM- POSITION, SAME AS A170	EA										-15 5-7	R135
			59051955571						D	A427	RESISTOR, FIXED COM- POSITION: SAME AS A194	EA										-15 5-7	R8
			59051955571						D	A428	RESISTOR, FIXED, COM- POSITION: SAME AS A194	EA										-15 5-7	R9
			59051955571						D	A429	RESISTOR, FIXED, COM- POSITION: SAME AS A194	EA										-15 5-7	R18
			59051955571						D	A430	RESISTOR, FIXED, COM- POSITION: SAME AS A194	EA										-15 5-7	R19

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			59056910195						D	A431	RESISTOR, FIXED, COM- POSITION: SAME AS A198	EA										-15 5-7	R10
			59056910195						D	A432	RESISTOR, FIXED, COM- POSITION: SAME AS A198	EA										-15 5-7	R20
			59056863798						D	A433	RESISTOR, FIXED, COM- POSITION: SAME AS A2 00	EA										-15 5-7	R21
			59056863798						D	A434	RESISTOR, FIXED, COM- POSITION: SAME AS A200	EA										-15 5-7	R24
			59056863798						D	A435	RESISTOR, FIXED, COM- POSITION: SAME AS A200	EA										-15 5-7	R27
			59056863798						D	A436	RESISTOR, FIXED, COM- POSITION: SAME AS A200	EA										-15 5-7	R30
			59056816462						D	A437	RESISTOR, FIXED, COM- POSITION: SAME AS A204	EA										-15 5-7	R22
			59056816462						D	A438	RESISTOR, FIXED, COM- POSITION: SAME AS A204	EA										-15 5-7	R25
			59056816462						D	A439	RESISTOR, FIXED, COM- POSITION: SAME AS A204	EA										-15 5-7	R28
			59056816462						D	A440	RESISTOR, FIXED, COM- POSITION:	EA										-15 5-7	R31

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59056816462					D	A441	RESISTOR, FIXED, COM- POSITION: SAME AS, A204	EA	REF								-15 5-7	R142	
			59056816462					D	A442	RESISTOR, FIXED, COM- POSITION: SAME AS A204	EA	REF								-15 5-7	R144	
			59056824101					D	A443	RESISTOR, FIXED, COM- POSITION: SAME AS A210	EA	REF								-15 5-7	R23	
			59056824101					D	A444	RESISTOR, FIXED, COM- POSITION: SAME AS A210	EA	REF								-15 5-7	R26	
			59056824101					D	A445	RESISTOR, FIXED, COM- POSITION: SAME AS A210	EA	REF								-15 5-7	R29	
			59056824101					D	A446	RESISTOR, FIXED, COM- POSITION: SAME AS A210	EA	REF								-15 5-7	R32	
			59056863369					D	A447	RESISTOR, FIXED, COM- POSITION: SAME AS A214	EA	REF								-15 5-7	R33	
			59056863369					D	A448	RESISTOR, FIXED, COM- POSITION: SAME AS A214	EA	REF								-15 5-7	R38	
			59058016444					D	A449	RESISTOR, FIXED, COM- POSITION: SAME AS A051E	EA	REF								-15 5-7	R34	
			59058016444					D	A450	RESISTOR, FIXED, COM- POSITION: SAME AS A05 1E	EA	REF								-15 5-7	R39	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59056824109					D	A451	RESISTOR, FIXED, COM- POSITION: SAME AS A218	EA	REF								-15 5-7	R35	
			59056870000					D	A452	RESISTOR, FIXED, COM- POSITION: SAME AS A219	EA	REF								-15 5-7	R36	
			59056870000					D	A453	RESISTOR, FIXED, COM- POSITION: SAME AS A219	EA	REF								-15 5-7	R40	
			59056832236					D	A454	RESISTOR, FIXED, COM- POSITION: SAME AS A221	EA	REF								-15 5-7	R37	
			59056832236					D	A455	RESISTOR, FIXED, COM- POSITION: SAME AS A221	EA	REF								-15 5-7	R41	
			59050518012					D	A456	RESISTOR, FIXED, FILM: SAME AS A223	EA	REF								-15 5-7	R42	
			59050518012					D	A457	RESISTOR, FIXED, FILM: SAME AS A223	EA	REF								-15 5-7	R51	
			59050518012					D	A458	RESISTOR, FIXED, FILM: SAME AS A223	EA	REF								-15 5-7	R60	
			59050518012					D	A459	RESISTOR, FIXED, FILM: SAME AS A223	EA	REF								-15 5-7	R69	
			59050518012					D	A460	RESISTOR, FIXED, FILM: SAME AS A223	EA	REF								-15 5-7	R78	
			59050518012					D	A461	RESISTOR, FIXED, FILM: SAME AS A223	EA	REF								-15 5-7	R87	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL									IND CD	DESCRIPTION	(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5			(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6															
			59050518012					D	A462	RESISTOR, FIXED, FILM: SAME AS A223	EA	REF								-15 5-7	R96			
			59050518012					D	A463	RESISTOR, FIXED, FILM: SAME AS A223	EA	REF								-15 5-7	R105			
			59050518012					D	A464	RESISTOR, FIXED, FILM: SAME AS A223	EA	REF								-15 5-7	R114			
			59050518012					D	A465	RESISTOR, FIXED, FILM: SAME AS A223	EA	REF								-15 5-7	R123			
			59050518012					D	A466	RESISTOR, FIXED, FILM: SAME AS A223	EA	REF								-15 5-7	R132			
			59056832246					D	A467	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R43			
			59056832246					D	A468	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R48			
			59056832246					D	A469	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R52			
			59056832246					D	A470	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R57			
			59056832246					D	A471	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R61			
			59056832246					D	A472	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R66			

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL									IND CD	DESCRIPTION	(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5			(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6															
			59056832246					D	A473	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R70			
			59056832246					D	A474	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R75			
			59056832246					D	A475	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R79			
			59056832246					D	A476	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R84			
			59056832246					D	A477	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R88			
			59056832246					D	A478	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R93			
			59056832246					D	A479	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R97			
			59056832246					D	A480	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R102			
			59056832246					D	A481	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R106			
			59056832246					D	A482	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA	REF								-15 5-7	R111			

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
			59056832246						D	A483	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA											-15 5-7	R115
			59056832246						D	A484	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA											-15 5-7	R120
			59056832246						D	A485	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA											-15 5-7	R124
			59056832246						D	A486	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA											-15 5-7	R129
			59056832246						D	A487	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA											-15 5-7	R133
			59056832246						D	A488	RESISTOR, FIXED, COM- POSITION: SAME AS A234	EA											-15 5-7	R138
			59056819970						D	A489	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA											-15 5-7	R46
			59056819970						D	A490	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA											-15 5-7	R55
			59056819970						D	A491	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA											-15 5-7	R64
			59056819970						D	A492	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA											-15 5-7	R73

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
			59056819970						D	A493	RESISTOR FIXED, COM- POSITION SAME AS A256	EA											-15 5-7	R82
			59056819970						D	A494	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA											-15 5-7	R91
			59056819970						D	A495	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA											-15 5-7	R100
			59056819970						D	A496	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA											-15 5-7	R109
			59056819970						D	A497	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA											-15 5-7	R118
			59056819970						D	A498	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA											-15 5-7	R127
			59056819970						D	A499	RESISTOR, FIXED, COM- POSITION: SAME AS A256	EA											-15 5-7	R136
			59056824097						D	A500	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA											-15 5-7	R5
			59056824097						D	A501	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA											-15 5-7	R15
			59056824097						D	A502	RESISTOR, F IXED, COM- POSITION: SAME AS A267	EA											-15 5-7	R47

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
			59056824097						D	A503	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA								-15 5-7	R56	
			59056824097						D	A504	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA								-15 5-7	R65	
			59056824097						D	A505	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA								-15 5-7	R74	
			59056824097						D	A506	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA								-15 5-7	R83	
			59056824097						D	A507	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA								-15 5-7	R92	
			59056824097						D	A508	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA								-15 5-7	R101	
			59056824097						D	A509	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA								-15 5-7	R110	
			59056824097						D	A510	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA								-15 5-7	R119	
			59056824097						D	A511	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA								-15 5-7	R128	
			59056824097						D	A512	RESISTOR, FIXED, COM- POSITION: SAME AS A267	EA								-15 5-7	R137	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
			59057278001						D	A513	RESISTOR, FIXED, COM- POSITION: SAME AS A280	EA								-15 5-7	R50	
			59057278001						D	A514	RESISTOR, FIXED, COM- POSITION: SAME AS A280	EA								-15 5-7	R59	
			59057278001						D	A515	RESISTOR, FIXED, COM- POSITION: SAME AS A280	EA								-15 5-7	R68	
			59057278001						D	A516	RESISTOR, FIXED, COM- POSITION: SAME AS A280	EA								-15 5-7	R77	
			59057278001						D	A517	RESISTOR, FIXED, COM- POSITION: SAME AS A280	EA								-15 5-7	R86	
			59057278001						D	A518	RESISTOR, FIXED, COM- POSITION: SAME AS A280	EA								-15 5-7	R95	
			59057278001						D	A519	RESISTOR, FIXED, COM- POSITION: SAME AS A280	EA								-15 5-7	R104	
			59057278001						D	A520	RESISTOR, FIXED, COM- POSITION: SAME AS A280	EA								-15 5-7	R113	
			59057278001						D	A521	RESISTOR, FIXED, COM- POSITION: SAME AS A280	EA								-15 5-7	R122	
			59057278001						D	A522	RESISTOR, FIXED, COM- POSITION: SAME AS A280	EA								-15 5-7	R131	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			59057278001						D	A523	RESISTOR, FIXED, COM- POSITION: SAME AS A280	EA	REF									-15 5-7	R140
			59056869998						D	A524	RESISTOR, FIXED, COM- POSITION: SAME AS A291	EA	REF									-15 5-7	R141
			59056869998						D	A525	RESISTOR, FIXED, COM- POSITION: SAME AS A291	EA	REF									-15 5-7	R143
			59052792627						D	A526	RESISTOR, FIXED, COM- POSITION: SAME AS A293	EA	REF									-15 5-7	R145
			59052792627						D	A527	RESISTOR, FIXED, COM- POSITION: SAME AS A293	EA	REF									-15 5-7	R146
			59618140768						D	A528	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR1
			59618140768						D	A529	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR2
			59618140768						D	A530	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR3
			59618140768						D	A531	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR4
			59618140768						D	A532	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR6

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			59618140768						D	A533	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR7
			59618140768						D	A534	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR8
			59618140768						D	A535	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR9
			59618140768						D	A536	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR10
			59618140768						D	A537	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR12
			59618140768						D	A538	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR13
			59618140768						D	A539	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 57	CR14
			59610140760						D	A540	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR15
			59618140768						D	A541	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR17
			59618140768						D	A542	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF									-15 5-7	CR18

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59618140768						D	A543	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF											-15 5-7	CR19
			59618140768						D	A544	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF											-15 5-7	CR20
			59618140768						D	A545	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF											-15 5-7	CR21
			59618140768						D	A546	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF											-15 5-7	CR22
			59618140768						D	A547	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF											-15 5-7	CR23
			59618140768						D	A548	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF											-15 5-7	CR24
			59618140768						D	A549	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF											-15 5-7	CR25
			59618140768						D	A550	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF											-15 5-7	CR26
			59618140768						D	A551	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF											-15 5-7	CR27
			59618140768						D	A552	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF											-15 5-7	CR28

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59619952310						D	A553	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A320	EA	REF											-15 5-7	VR1
			59619952310						D	A554	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A320	EA	REF											-15 5-7	VR2
			59610680687						D	A555	SEMI-CONDUCTOR D E- VICE, DIODE: SAME AS A322	EA	REF											-15 5-7	VR3
			59610680687						D	A556	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A322	EA	REF											-15 5-7	VR4
			59610507499						D	A557	TRANSISTOR: SAME AS A324	EA	REF											-15 5-7	Q1
			59610507499						D	A558	TRANSISTOR: SAME AS A3 24	EA	REF											-15 5-7	Q3
			59610507499						D	A559	TRANSISTOR: SAME AS A324	EA	REF											-15 5-7	Q5
			59610507499						D	A560	TRANSISTOR: SAME AS A324	EA	REF											-15 5-7	Q7
			59610507499						D	A561	TRANSISTOR. SAME AS A324	EA	REF											-15 5-7	Q9
			59610507499						D	A562	TRANSISTOR: SAME AS A324	EA	REF											-15 5-7	Q10
			59610507499						D	A563	TRANSISTOR: SAME AS A324	EA	REF											-15 5-7	Q11

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
			59610507499						D	A564	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q12	
			59610507499						D	A565	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q13	
			59610507499						D	A566	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q14	
			59610507499						D	A567	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q15	
			59610507499						D	A568	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q16	
			59610507499						D	A569	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q17	
			59610507499						D	A570	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q10	
			59610507499						D	A571	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q19	
			59610507499						D	A572	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q20	
			59610507499						D	A573	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q21	
			59610507499						D	A574	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q22	
			59610507499						D	A575	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q23	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
			59610507499						D	A576	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q24	
			59610507499						D	A577	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q25	
			59610507499						D	A578	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q26	
			59610507499						D	A579	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q27	
			59610507499						D	A580	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q28	
			59610507499						D	A581	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q29	
			59610507499						D	A582	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q30	
			59610507499						D	A583	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q31	
			59610507499						D	A584	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q32	
			59610507499						D	A585	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q33	
			59610507499						D	A586	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q34	
			59610507499						D	A587	TRANSISTOR: SAME AS A324	EA								-15 5-7	Q35	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD		1-5	6-10	11-20	1-5	6-10	11-20									
			59610507499				D	A588	TRANSISTOR: SAME AS A324	EA		REF								-15 5-7	Q36	
			59610507499				D	A589	TRANSISTOR: SAME AS A324	EA		REF								-15 5-7	Q37	
			59610507499				D	A590	TRANSISTOR: SAME AS A324	EA		REF								-15 5-7	Q38	
			59610507499				D	A591	TRANSISTOR: SAME AS A32 4	EA		REF								-15 5-7	Q39	
			59610507499				D	A592	TRANSISTOR: SAME AS A324	EA		REF								-15 5-7	Q40	
			59610507499				D	A593	TRANSISTOR: SAME AS A324	EA		REF								-15 5-7	Q41	
			59610507499				D	A594	TRANSISTOR: SAME AS A324	EA		REF								-15 5-7	Q42	
			59610507499				D	A595	TRANSISTOR: SAME AS A324	EA		REF								-15 5-7	Q43	
			59610507499				D	A596	TRANSISTOR: SAME AS A324	EA		REF								-15 5-7	Q44	
			S9610507499				D	A597	TRANSISTOR: SAME AS A324	EA		REF								-15 5-7	Q45	
			59610507499				D	A598	TRANSISTOR: SAME AS A324	EA		REF								-15 5-7	Q46	
			59610507499				D	A599	TRANSISTOR: SAME AS A324	EA		REF								-15 5-7	Q47	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD		1-5	6-10	11-20	1-5	6-10	11-20									
			59610507499				D	A600	TRANSISTOR: SAME AS A324	EA		REF								-15 5-7	Q48	
			59610507499				D	A601	TRANSISTOR: SAME AS A324	EA		REF								-15 5-7	Q49	
			59618804779				D	A602	TRANSISTOR: SAME AS A369	EA		REF								-15 5-7	Q2	
			59610004779				D	A603	TRANSISTOR: SAME AS A369	EA		REF								-15 5-7	Q4	
			59618004779				D	A604	TRANSISTOR: SAME AS A369	EA		REF								-15 5-7	Q6	
			59610004779				D	A605	TRANSISTOR: SAME AS A369	EA		REF								-15 5-7	Q8	
			59700579700				D	A606	INSULATOR, DISK: SAME AS A373	EA		REF								-15 5-7		
							C	A606A	CIRCUIT, CARD ASSEM- BLY: SAME AS A373A	EA		REF								15 4-15	2.1	
							D	A606B	PRINTED CIRCUIT B OARD: SAME AS A373B	EA		REF								-15 5-8.1		
			59627911082				D	A606C	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA		REF								-15 5-8.1	Z1	
			59627910994				D	A606D	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA		REF								-15 5-8.1	Z2	
			59627910994				D	A606E	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA		REF								-15 5-8.1	Z3	
			59627910994				D	A606F	INTEGRATED CIRCUIT, LOGIC GATE SAME AS A006	EA		REF								-15 5-8.1	Z4	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6														IND CD	DESCRIPTION	1-5	6-10	11-20	1-5	6-10	11-20
			74401343718						D	A606G	ELECTRONIC COMPONENT ASSEMBLY: SAME AS A373G	EA				REF						-15 5-8.1	Z5
			74401343718						D	A606H	ELECTRONIC COMPONENT ASSEMBLY: SAME AS A373G	EA				REF						-15 5-8.1	Z6
			74401343718						D	A606J	ELECTRONIC COMPONENT ASSEMBLY: SAME AS A373G	EA				REF						-15 5-8.1	Z7
			74401343718						D	A606K	ELECTRONIC COMPONENT ASSEMBLY: SAME AS A 373G	EA				REF						-15 5-8.1	Z9
			74401343718						D	A606L	ELECTRONIC COMPONENT ASSEMBLY: SAME AS A373G	EA				REF						-15 5-8.1	Z13
			74401343713						D	A606M	ELECTRONIC COMPONENT ASSEMBLY: SAME AS A373M	EA				REF						-15 5-8.1	Z8
			74401343713						D	A606N	ELECTRONIC COMPONENT ASSEMBLY: SAME AS A373M	EA				REF						-15 5-8.1	Z11
			74401343723						D	A606P	ELECTRONIC COMPONENT ASSEMBLY: SAME AS A373P	EA				REF						-15 5-8.1	Z10
			74401343717						D	A606Q	ELECTRONIC COMPONENT ASSEMBLY: SAME AS A373Q	EA				REF						-15 5-8.1	Z12
			74401343724						D	A606R	ELECTRONIC COMPONENT ASSEMBLY: SAME AS A373R	EA				REF						-15 5-8.1	Z14
			74401343725						D	A606S	ELECTRONIC COMPONENT ASSEMBLY: SAME AS A373S	EA				REF						-15 5-8.1	Z15

59.1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)					
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6														IND CD	DESCRIPTION	1-5	6-10	11-20	1-5	6-10	11-20
			59056869988						D	A606T	RESISTOR, FIX ED, COM- POSITION: SAME AS A291	EA				REF						-15 5-8.1	R1		
			59056869998						D	A606U	RESISTOR, FIXED, COM- POSITION: SAME AS A291	EA				REF						-15 5-8.1	R3		
			59056816462						D	A606V	RESISTOR, FIXED, COM- POSITION: SAME AS A204	EA				REF						-15 5-8.1	R2		
			59056816462						D	A606W	RESISTOR, FIXED, COM- POSITION: SAME AS A204	EA				REF						-15 5-8.1	R4		
			59700579700						D	A606X	INSULATOR DISK SAME AS A373	EA				REF						-15 5-8.1			
			59610507499						D	A606Y	TRANSISTOR: SAME AS A324	EA				REF						-15 5-8.1	Q1		
			59610507499						D	A606Z	TRANSISTOR: SAME AS A324	EA				REF						-15 5-8.1	Q2		
P	H	T	74409352382						C	A607	CIRCUIT, CARD, ASSEM- BLY: 58189; A65361-001	EA				REF	1	2	3	1	2	3	3	-15 4-15	5
X1									D	A608 M	PRINTED CIRCUIT BOARD 58189; A65362-001	EA				REF							-15 5-8		
			59627911082						D	A609	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A0 16	EA				REF							-15 5-8	Z1	
			59627911082						D	A610	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA				REF							-15 5-8	Z4	

59.2

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD																
			59627911082					D	A611	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8	Z5	
			59627911082					D	A612	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8	Z6	
			59627911082					D	A613	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8	Z7	
			59627911082					D	A614	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8	Z8	
			59621911082					D	A615	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8	Z9	
			59627911082					D	A616	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8	Z10	
			59627911082					D	A617	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8	Z11	
			59627911082					D	A618	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8	Z12	
			59627911082					D	A619	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8	Z17	
			59627911082					D	A620	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8	Z18	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD																
			59627911082					D	A621	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8	Z19	
			59627911082					D	A622	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8	Z20	
			59627911082					D	A623	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8	Z25	
			59627911082					D	A624	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8	Z26	
			59627911082					D	A625	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-8	Z28	
			59629111001					D	A626 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA	REF								-15 5-8	Z13	
			59629111001					D	A627 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA	REF								-15 5-8	Z14	
			59629111001					D	A628 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA	REF								-15 5-8	Z15	
			59629111001					D	A629 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA	REF								-15 5-8	Z16	
			59629111001					D	A630 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA	REF								-15 5-8	Z21	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
													1-5	6-10	11-20	1-5	6-10	11-20					
P	D		59627911048						D	A631	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF									-15 5-8	Z22
			59627911048						D	A632	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A 079	EA	REF									-15 5-8	Z23
			59627911048						D	A633	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A079	EA	REF									-15 5-8	Z24
			59627911120						D	A634	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A077	EA	REF									-15 5-8	Z27
			59056837723						D	A635 M	RESISTOR, FIXED, COM- POSITION: 81349; RC07GF152J	EA	22							66		-15 5-8	R1
			59056837723						D	A636 M	RESISTOR, FIXED, COM- POSITION: SAME AS A635 M	EA	REF									-15 5-8	R3
			59056837723						D	A637 M	RESISTOR, FIXED, COM- POSITION: SAME AS A635 M	EA	REF									-15 5-8	R5
			59056837723						D	A638 M	RESISTOR, FIXED, COM- POSITION: SAME AS A635 M	EA	REF									-15 5-8	R7
			59056837723						D	A639 M	RESISTOR, FIXED, COM- POSITION: SAME AS A635 M	EA	REF									-15 5-8	R9
			59056837723						D	A640 M	RESISTOR, FIXED, COM- POSITION: SAME AS A635 M	EA	REF									-15 5-8	R11

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
													1-5	6-10	11-20	1-5	6-10	11-20					
			59056837723						D	A641 M	RESISTOR, FIXED, COM- POSITION: SAME AS A635 M	EA	REF									-15 5-8	R13
			59056837723						D	A642 M	RESISTOR, FIXED, COM- POSITION: SAME AS A635 M	EA	REF									-15 5-8	R15
			59056837723						D	A643 M	RESISTOR, FIXED, COM- POSITION: SAME AS A635 M	EA	REF									-15 5-8	R17
			59058016444						D	A644	RESISTOR, FIXED, COM- POSITION: SAME AS A051E	EA	REF									-15 5-8	R2
			59058016444						D	A645	RESISTOR, FIXED, COM- POSITION: SAME AS A051E	EA	REF									-15 5-8	R4
			59058016444						D	A646	RESISTOR, FIXED, COM- POSITION: SAME AS A051E	EA	REF									-15 5-8	R6
			59058016444						D	A647	RESISTOR, FIXED, COM- POSITION: SAME AS A051E	EA	REF									-15 5-8	R8
			59058016444						D	A648	RESISTOR, FIXED, COM- POSITION: SAME AS A051E	EA	REF									-15 5-8	R10
			59058016444						D	A649	RESISTOR, FIXED, COM- POSITION: SAME AS A051E	EA	REF									-15 5-8	R12
			59058016444						D	A650	RESISTOR, FIXED, COM- POSITION: SAME AS A051E	EA	REF									-15 5-8	R14

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59058016444					D	A651	RESISTOR, FIXED, COM-POSITION: SAME AS A051E	EA	REF								-15 5-8	R16	
			59058016444					D	A652	RESISTOR, FIXED, COM-POSITION: SAME AS A051E	EA	REF								-15 5-8	R18	
			59057235251					D	A653	RESISTOR, FIXED, COM-POSITION: SAME AS A074	EA	REF								-15 5-8	R19	
			59057235251					D	A654	RESISTOR, FIXED, COM-POSITION: SAME AS A074	EA	REF								-15 5-8	R20	
P	H	T	74409352384					C	A655	CIRCUIT, CARD ASSEMBLY: 58189; A65365-001	EA	1	1	2	3	1	2	3	3	-15 4-15	6	
X1	D							D	A656 M	PRINTED CIRCUIT BOARD 58189; A65366-001	EA	1								-15 5-9		
			59627911393					D	A657 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-9	Z1	
			59627911393					D	A658 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-9	Z4	
			59627911393					D	A659 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-9	Z5	
			59627911393					D	A660 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-9	Z8	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59627911393					D	A661 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-9	Z9	
			59627911393					D	A662 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-9	Z12	
			59627911393					D	A663 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-9	Z13	
			59627911393					D	A664 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-9	Z16	
			59627911393					D	A665 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-9	Z17	
			59627911393					D	A666 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-9	Z18	
			59627911393					D	A667 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-9	Z19	
			59627911393					D	A668 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-9	Z20	
			59627910994					D	A669	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-9	Z2	
			59627910994					D	A670	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-9	Z7	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6													CD	1-5	6-10	11-20	1-5	6-10	11-20
P	H	T	59627910994							D	A671	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA										-15	Z10						
			59629111001							D	A671 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA										-15	Z3						
			59629111001							D	A673 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA										-15	Z14						
			59627911082							D	A674	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15	Z6						
			59627911082							D	A675	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15	Z11						
			59627911082							D	A676	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15	Z15						
			74409352377			C	A678	CIRCUIT CARD ASSEMBLY-58189; A65369-001	EA		1	1	2	3	1	2	3		3	-15	7									
X1	D							D	A679	PRINTED CIRCUIT BOARD 58189; A6537 0-001	EA									-15										
		59627910994						D	A680	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA									-15	Z1									

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6													CD	1-5	6-10	11-20	1-5	6-10	11-20
			59627910994							D	A681	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA									-15	Z4							
			59627910994							D	A682	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA									-15	Z13							
			59627910994							D	A683	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA									-15	Z14							
			59627910994							D	A684	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA									-15	Z15							
			59627910994							D	A685	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA									-15	Z16							
			59627910994							D	A686	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA									-15	Z18							
			59627911082							D	A687	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA									-15	Z2							
			59627911082							D	A688	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA									-15	Z3							
			59627911082							D	A689	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA									-15	Z5							
			59627911082							D	A690	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA									-15	Z6							

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
			59627911082						D	A691	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA											-15 5-10	Z7
			59627911082						D	A692	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA											-15 5-10	Z9
			59627911082						D	A693	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA											-15 5-10	Z10
			59627911082						D	A694	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA											-15 5-10	Z11
			59627911082						D	A695	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA											-15 5-10	Z12
			5962791 1082						D	A696	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA											-15 5-10	Z19
			59629111001						D	A697A	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA											-15 5-10	Z8
			59627911393						D	A698 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA											-15 5-10	Z17
			59627911393						D	A699 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA											-15 5-10	Z20
			59627911393						D	A700 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA											-15 5-10	Z21

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
			59627911393						D	A701 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA											-15 5-10	Z22
			59627911393						D	A702 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA											-15 5-10	Z23
			59627911393						D	A703 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA											-15 5-10	Z24
			59627911393						D	A704 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA											-15 5-10	Z25
			59627911393						D	A705 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA											-15 5-10	Z26
			59627911393						D	A706 M	INTEGRATED CIRCUIT LOGIC GATE: SAME AS A035A	EA											P1 5-10	Z27
P	H	T	74409352379						C	A707	CIRCUIT, CARD ASSEMBLY: 58189; A65373-001	EA	1	1	2	3	1	2	3	3			-15 4-15	18
X1	D		59627910994						D	A708 M	PRINTED CIRCUIT BOARD: 58189; A65374-001	EA											-15 5-11	
			59627910994						D	A709	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA											-15 5-11	Z1
			59627910994						D	A710	INTEGRATED CIRCUIT, LOGIC GATE:	EA											-15 5-11	Z2

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			59627910994						D	A711	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA										-15 5-11	Z7
			59627910994						D	A712	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA										-15 5-11	Z13
			59627910994						D	A713	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA										-15 5-11	Z14
			59627910994						D	A714	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA										-15 5-11	Z15
			59627910994						D	A715	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA										-15 5-11	Z16
			59627910994						D	A716	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA										-15 5-11	Z18
			59627911120						D	A717	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A077	EA										-15 5-11	Z3
			59627911120						D	A718	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A077	EA										-15 5-11	Z4
			59627911120						D	A719	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A077	EA										-15 5-11	Z6
			59627911120						D	A720	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A077	EA										-15 5-11	Z10

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			59627911082						D	A721	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-11	Z5
			59627911082						D	A722	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-11	Z8
			59627911082						D	A723	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-11	Z9
			59627911082						D	A724	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-11	Z11
			59627911082						D	A725	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-11	Z12
			59629111001						D	A726 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA										-15 5-11	Z17
P	H	T	74409352378						C	A727	CIRCUIT, CARD ASSEMBLY: 58189; A65377-001	EA	1	1	2	3	1	2	3	3		-15 4-15	8
X1	D		59627911082						D	A728 M	PRINTED CIRCUIT BOARD 58189; A65378-001	EA		1								-15 5-12	
			59627911082						D	A729	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z1
			59627911082						D	A730	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z2

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			59627911082						D	A731	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z3
			59627911082						D	A732	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z4
			59627911082						D	A733	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z5
			59627911082						D	A734	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z6
			59627911082						D	A735	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z7
			59627911082						D	A736	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z8
			59627911082						D	A737	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z9
			59627911082						D	A738	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z11
			59627911082						D	A739	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z13
			59627911082						D	A740	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z14

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			59627911082						D	A741	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z15
			59627911082						D	A742	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z16
			59627911082						D	A743	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z18
			59627911082						D	A744	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z21
			59627911082						D	A745	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA										-15 5-12	Z23
			59629111001						D	A746 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA										-15 5-12	Z10
			59629111001						D	A747 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA										-15 5-12	Z12
			59629111001						D	A748 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA										-15 5-12	Z17
			59629111001						D	A749 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA										-15 5-12	Z20
			59629111001						D	A750 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA										-15 5-12	Z25

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59627910994					D	A751	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-12	Z19	
			59627910994					D	A752	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-12	Z22	
			59627910994					D	A753	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-12	Z26	
P	H	T	74409352385					C	A754	CIRCUIT, CARD ASSEMBLY: 58189; A65385-0001	EA	1	1	2	3	1	2	3	3	-15 4-15	9	
X	D							D	A755 M	PRINTED CIRCUIT BOARD: 58189; A65386-001	EA	1								-15 5-13		
P	D		59108994395					D	A756	CAPACITOR, FIXED, PAPER: 81349; CP09A1KB104K3	EA	1							3	-15 5-13	C1	
			59627911082					D	A757	INTEGRATED CIRCUIT LOGIC GATE. SAME AS A016	EA	REF								-15 5-13	Z2	
P	H		59104600847					D	A757A	CAPACITOR, CERAMIC: 81349; CK06BX104M	EA	2	*	*	*	*	*	*	6	-15 5-13	C2	
			59104600847					D	A757B	CAPACITOR, CERAMIC: SAME AS A757A	EA	REF								-15 5-13	C3	
			59627911002					D	A758	INTEGRATED, CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-13	Z8	
			59627911082					D	A759	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-13	Z12	
			59627911082					D	A760	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-13	Z4	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59627911082					D	A761	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-13	Z15	
			59627911082					D	A762	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-13	Z16	
			59627911082					D	A763	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-13	Z18	
			59627911082					D	A764	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-13	Z19	
			59627911082					D	A765	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-13	Z20	
			59627911082					D	A766	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-13	Z21	
			59627911082					D	A767	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-13	Z22	
			59627911082					D	A768	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-13	Z24	
			59627911082					D	A769	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-13	Z28	
			59629111001					D	A770 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA	REF								-15 5-13	Z3	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59629111001						D	A771 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA									-15 5-13	Z5
			59629111001						D	A772 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA									-15 5-13	Z13
			59629111001						D	A773 M	INTEGRATED CIRCUIT LOGIC GATE: SAME AS A028A	EA									-15 5-13	Z25
			59629111001						D	A774 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA									-15 5-13	Z27
			59627910994						D	A775	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA									-15 5-13	Z4
			59627910994						D	A776	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA									-15 5-13	Z7
			59627910994						D	A777	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA									-15 5-13	Z9
			59627910994						D	A778	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA									-15 5-13	Z11
			59627910994						D	A779	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA									-15 5-13	Z17
			59627910994						D	A780	INTEGRATED CIRCUIT LOGIC GATE: SAME AS A006	EA									-15 5-13	Z23

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59627910994						D	A781	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA									-15 5-13	Z26
			59627911393						D	A782 M	INTEGRATED CIRCUIT LOGIC GATE: SAME AS A035A	EA									-15 5-13	Z6
			59627911393						D	A783 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA									-15 5-13	Z10
			59057235251						D	A784	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA									-15 5-13	R1
			59057235251						D	A785	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA									-15 5-13	R2
			59057235251						D	A786	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA									-15 5-13	R3
			59057235251						D	A787	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA									-15 5-13	R4
			59057235251						D	A788	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA									-15 5-13	R5
			59057235251						D	A789	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA									-15 5-13	R6
			5905723 5251						D	A790	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA									-15 5-13	R7

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59057235251					D	A791	RESISTOR, FIXED, COM- POSITION: SAME AS A074	EA	REF								-15 5-13	R8	
			59057235251					D	A792	RESISTOR, FIXED, COM- POSITION: SAME AS A074	EA	REF								-15 5-13	R9	
			5905723S251					D	A793	RESISTOR, FIXED, COM- POSITION: SAME AS A074	EA	REF								-15 5-13	R11	
P	D		59056870002					D	A794	RESISTOR, FIXED, COM- POSITION: 81349; RC07GF223J	EA	3							3	-15 5-13	R10	
P	H	T	74409352386					C	A795	CIRCUIT, CARD ASSEM- BLY: 58189; A65389-001	EA	1	1	2	3	1	2	3		3	-15 4-15	10
X	D							D	A796A	PRINTED CIRCUIT BOARD 58189; A65390-001	EA	1									-15 5-14	
P	D		59108352175					D	A797	CAPACITOR, FIXED, PAPER: 81349; CP09A1KB103K3	EA	2								3	-15 5-14	C1
P	D		59109384753					D	A798	CAPACITOR, FIXED, ELECTROLYTIC: 81349; CS13BF334M	EA	1								3	-15 5-14	C2
			59108352175					D	A798A	CAPACITOR, FIXED, PAPER: SAME AS A797	EA	REF									-15 5-14	C3
			59627911082					D	A799	INTEGRATED CIRCUIT, LOGIC GATE, SAME AS A016	EA	REF									-15 5-14	Z5
			59627911082					D	A800	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-14	Z8

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59627911082					D	A801	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-14	Z9
			59627911082					D	A802	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-14	711
			59627911082					D	A803	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-14	Z13
			59627911082					D	A804	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-14	Z15
			59627911082					D	A805	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-14	Z18
			59627911082					D	A806	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-14	Z19
			59627911082					D	A807	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-14	Z21
			59627911082					D	A808	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-14	Z22
			59627911082					D	A809	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-14	Z25
			59627911082					D	A810	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF									-15 5-14	Z26

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD		1-5	6-10	11-20	1-5	6-10	11-20									
			50627911082					D	A811	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-14	Z27	
			59627911082					D	A812	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-14	Z28	
			59627910994					D	A813	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-14	Z6	
			59627910994					D	A814	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-14	Z3	
			59627910994					D	A815	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-14	Z7	
			59627910994					D	A816	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-14	Z10	
			59627910994					D	A817	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-14	Z20	
			59627910994					D	A818	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-14	Z23	
			59627911393					D	A819 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-14	Z14	
			59627911393					D	A820 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-14	Z17	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD		1-5	6-10	11-20	1-5	6-10	11-20									
			59629111001					D	A821 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA	REF								-15 5-14	Z16	
			59629111001					D	A822 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA	REF								-15 5-14	Z24	
			59057235251					D	A823 M	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA	REF								-15 5-14	R12	
			59057235251					D	A824	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA	REF								-15 5-14	R5	
			59057235251					D	A825	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA	REF								-15 5-14	R6	
			59057235251					D	A826	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA	REF								-15 5-14	R7	
			59057235251					D	A827	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA	REF								-15 5-14	R8	
			59057235251					D	A828	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA	REF								-15 5-14	R9	
			59057235251					D	A829	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA	REF								-15 5-14	R10	
			59057235251					D	A830	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA	REF								-15 5-14	R11	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE				(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		59056824098					D	A831	RESISTOR, FIXED, COM- POSITION: 81349; RC07GF392J	EA	3						6	-15 5-14	R3		
P	D		59058018272					D	A832	RESISTOR, FIXED, COM- POSITION: 81348; RC07GF511J	EA	3						6	-15 5-14	R4		
			59618140768					D	A833	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS A051G	EA	REF							-15 5-14	CR1		
P	H	T	74409352381					C	A834	CIRCUIT, CARD ASSEM - BLY: 58189; A65393-001	EA	1	1	2	3	1	2	3	3	-15 4-15	4	
X1	D		59627911082					D	A835A	PRINTED CIRCUIT BOARD: 58189; A65394-001	EA	1								-15 5-15		
			59627911082					D	A836	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-15	Z1	
			59627911082					D	A837	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-15	Z2	
			59627911082					D	A838	INTEGRATED CIRCUIT. LOGIC GATE: SAME AS A016	EA	REF								-15 5-15	Z4	
			59627911082					D	A839	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-15	Z6	
			59627911082					D	A840	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-15	Z10	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE				(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59627911082					D	A841	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-15	Z12	
			59627911082					D	A842	INTEGRATED CI RCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-15	Z17	
			59627911082					D	A843	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-15	Z19	
			59627911082					D	A844	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-15	Z20	
			59627911082					D	A845	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-15	Z23	
			59627911082					D	A846	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-15	Z24	
			59627911082					D	A847	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-15	Z26	
			59627911082					D	A848	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-15	Z28	
			59627910994					D	A849	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-15	Z3	
			59627910994					D	A850	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA	REF								-15 5-15	Z9	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			59627910994						D	A851	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA										-15 5-15	Z11
			59627910994						D	A852	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA										-15 5-15	Z16
			59627910994						D	A853	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA										-15 5-15	Z18
			59627910994						D	A854	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA										-15 5-15	Z22
			59629111001						D	A855 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA										-15 5-15	Z7
			59629111001						D	A856 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA										-15 5-15	Z8
			59627911393						D	A857 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA										-15 5-15	Z13
			59627911393						D	A858 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA										-15 5-15	Z14
			59627911393						D	A859 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA										-15 5-15	Z15
			59627911393						D	A860 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA										-15 5-15	Z21

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			59627911393						D	A861 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA										-15 5-15	Z25
			59627911393						D	A862 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA										-15 5-15	Z27
			59057235251						D	A863	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA										-15 5-15	R1
P	H	T	74409352388						C	A864	CIRCUIT, CARD ASSEMBLY: 58189; A65397-001	EA	1	2	3	1	2	3		3		-15 4-15	3
X1	D								D	A865A	PRINTED CIRCUIT BOARD: 58189; A65398-001	EA										-15 5-16	
P	D		59109412356						D	A866	CAPACITOR, FIXED, ELECTROLYTIC: 81349; CS13BE107M	EA								10		-15 5-16	C1
			59109412356						D	A867	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS A866	EA										-15 5-16	C8
P	D		59109960666						D	A868	CAPACITOR, FIXED, ELECTROLYTIC: 81349; CS13BC227M	EA								5		-15 5-16	C2
P	D		59109024050						D	A870 M	CAPACITOR: 96733; 4M104	EA								16		-15 5-16	C4

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
			59109024050						D	A871 M	CAPACITOR: SAME AS A870	EA											-15	
			59109024 050						D	A872 M	CAPACITOR: SAME AS A870 M	EA											5-16	C5
			59109024050						D	A873 M	CAPACITOR: SAME AS A870 M	EA											5-16	C6
P	D		59101145286						D	A874A	CAPACITOR, FIXED, PLASTIC: 09454; XL5223AISC	EA							3				5-16	C7
P	D		59108231024						D	A875	CAPACITOR, FIXED, PA- PER: 81349; CP09A1KB154K3	EA							3				5-16	C10
			59627910994						D	A876	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA											5-16	Z1
			59627910994						D	A877	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA											5-16	Z2
			59627910994						D	A878	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA											5-16	Z3
			59627910994						D	A879	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA											5-16	Z4
			59627910994						D	A880	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA											5-16	Z5

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
			59627910994						D	A881	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA											5-16	Z8
			59627910994						D	A882	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA											5-16	Z14
			59627910994						D	A883	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA											5-16	Z17
			59627910994						D	A884	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A006	EA											5-16	Z22
			59629111001						D	A885 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA											5-16	Z6
			59629111001						D	A886 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA											5-16	Z7
			59629111001						D	A887 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA											5-16	Z9
			59629111001						D	A888 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA											5-16	Z10
			59629111001						D	A889 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA											5-16	Z16
			59629111001						D	A890 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A028A	EA											5-16	Z20

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59627911082					D	A891	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-16	Z15	
			59627911082					D	A892	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-16	Z12	
			59627911082					D	A893	INTEGRATED CIRCUIT, LOGIC GATE, SAME AS A016	EA	REF								-15 5-16	Z13	
			59627911082					D	A894	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-16	Z15	
			59627911082					D	A895	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-16	Z18	
			59627911082					D	A896	INTEGRATED CIRCUIT, LOGIC GATE: SAME AP A016	EA	REF								15 5-16	Z19	
			59627911082					D	A897	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A016	EA	REF								-15 5-16	Z21	
			59627911393					D	A898 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-16	Z23	
			59627911393					D	A899 M	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A035A	EA	REF								-15 5-16	Z24	
			59056824098					D	A900	RESISTOR, FIXED, COM- POSITION: SAME AS A831	EA	REF								-15 5-16	R1	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59058018272					D	A901	RESISTOR, FIXED, COM- POSITION: SAME AS A832	EA	REF								-15 5-16	R2	
			59057235251					D	A902	RESISTOR, FIXED, COM- POSITION: SAME AS A074	EA	REF								-15 5-16	R3	
			59057235251					D	A903	RESISTOR, FIXED, CON- POSITION: SAME AS A074	EA	REF								-15 5-16	R5	
			59057235251					D	A904	RESISTOR, FIXED, CON- POSITION: SAME AS A074	EA	REF								-15 5-16	R7	
			59056837723					D	A905 M	RESISTOR, FIXED, CON- POSITION: SAME AS A635 M	EA	REF								-15 5-16	R4	
			59058016444					D	A906	RESISTOR, FIXED, COM- POSITION: SAME AS A051E	EA	REF								-15 5-16	R6	
P	D		59052525434					D	A907 M	RESISTOR, FIXED, COM- POSITION: 81349: RC20GF12LJ	EA	1							8	-15 5-16	R8	
P	D		59056896799					D	A908	RESISTOR, VARIABLE: 81349: RT12C2P502	EA	1							5	-15 5-16	R9	
P	D		59050787777					D	A909	RESISTOR, FIXED, FILM: 81349: RN60D2741F	EA	1							3	-15 5-16	R10	
P	D		59059695851					D	A910	RESISTOR, FIXED, FILM: 81349: RN60D1210F	EA	1							3	-15 5-16	R11	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O R D C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59056816462					D	A911	RESISTOR, FIXED, COM-POSITION: SAME AS A204	EA	REF									-15 5-16	R12
			59056816462					D	A912	RESISTOR, FIXED, COM-POSITION: SAME AS A204	EA	REF									-15 5-16	R13
			59056816462					D	A913	RESISTOR, FIXED, COM-POSITION: SAME AS A204	EA	REF									-15 5-16	R16
			59056816462					D	A914	RESISTOR, FIXED, COM-POSITION: SAME AS A204	EA	REF									-15 5-16	R17
P	D		59056818822					D	A915	RESISTOR, FIXED, COM-POSITION: 81349; RC07GF274J	EA	1							3		-15 5-16	R14
P	D		59056832247					D	A916	RESISTOR, FIXED, COM-POSITION: 81349; RC07GF121J	EA	1							3		-15 5-16	R15
			59618140768					D	A917	SEMI-CONDUCTOR DE-VICE, DIODE: SAME AS A051G	EA	REF									-15 5-16	CR1
P	D		59612265139					D	A918	SEMI-CONDUCTOR DE-VICE, DIODE: 81350; JAN1N3666-2	EA	1							3		-15 5-16	CR2
P	D		59618456458					D	A919	SEMI-CONDUCTOR DE-VICE, DIODE: 81350; JAN1N756A	EA	1							3		-15 5-16	VR1
P	D		59619262569					D	A920	TRANSISTOR 81349; JAN2N491A	EA	4							10		-15 5-16	Q1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O R D C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59619262569					D	A921	TRANSISTOR: SAME AS A920	EA	REF									-15 5-16	Q3
			59610507499					D	A922	TRANSISTOR: SAME AS A324	EA	REF									-15 5-16	Q2
			59610507499					D	A923	TRANSISTOR: SAME AS A324	EA	REF									-15 5-16	Q4
			59700579700					D	A924	INSULATOR, DISK: SAME AS A373	EA	REF									-15 5-16	
P	H	T	74409352380					C	A925	CIRCUIT CARD ASSEMBLY: 80063; SME546656	EA	1	1	2	3	1	2	3	3		-15 4-15	19
X1	D							D	A926	PRINTED CIRCUIT BOARD: 80063; SME546657	EA	1									-15 5-17	
P	D		59109494827					D	A927	CAPACITOR, FIXED, ELECTROLYTIC: 81349; CS13BD226M	EA	1							5		-15 5-17	C1
P	D		59108999129					D	A928	CAPACITOR, FIXED, ELECTROLYTIC: 81349; CS13BD686M	EA	2							5		-15 5-17	C2
P	D		59627911370					D	A929	INTEGRATED CIRCUIT, LOGIC GATE: 80063; SMC634786	EA	6							18		-15 5-17	Z1
			59627911370					D	A930	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A929	EA	REF									-15 5-17	Z2
			59627911370					D	A931	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A929	EA	REF									-15 5-17	Z3

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
A	H	R	59627911370						D	A932	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A929	EA									-15 5-17	Z4	
			59627911370						D	A933	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A929	EA									-15 5-17	Z5	
			59627911370						D	A934	INTEGRATED CIRCUIT, LOGIC GATE: SAME AS A929	EA									-15 5-17	Z6	
X2	H		53400605386						C	A935	LOGIC CHASSIS: 58189; A64504-002	EA	1								-15 4-15	62.5	
C			53050593661						D	A936 M	HANDLE BOW: 96906; MS39087-3	EA	1								-15 4-15	31	
P	H		53109338120						*	A937 M	SCREW, MACHINE: 96906; MS51958-65	EA	2								-15 4-15	28	
P	H		53101670012						*	A938	WASHER, LOCK: 96906; MS35338-1384-52	EA	111	*	*	*	*	*	*		111	-15 4-15	29
X2	H								*	A939	WASHER, FLAT: 88044; AN960C10L	EA	84	*	*	*	*	*	*		84	-15 4-15	30
A	H	R							D	A940	SLIDE: 06666; C300S24	EA	2									-15 4-15	64
A	H	R							D	A941 M	LOGIC ASSEMBLY: 58189; A64504-003	EA	1									-15 4-15	62.1
C	H		53050593660						*	A942	SCREW, MACHINE; 96906; MS51958-64	EA	21									-15 4-15	33

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
C	H		53109338120						*	A943	WASHER, LOCK: SAME AS A938	EA										-15 4-15	35
			53101670812							A944	WASHER, FLAT: SAME AS A939	EA										-15 4-15	36
X2	H		53102708810						*	A945	NUT, HEXAGON: 96906; MS35650-104	EA	17									-15 4-15	34
X2	H								E	A946	PLATE, CONTACT: 58189; A64533-001	EA	1									-15 4-15	62
P	H		59991345933						F	A946A	INSULATOR: 16512: 200150-001	EA	21									-15 4-15	62.2
P	H		59991345933						F	A946B	PIN: 16512: 540111-04	EA	1054	100	200	300	100	200	300		100	-15 4-15	62.4
C	H		53050546651						*	A946C	SCREW, MACHINE: 96906; MS51957-27	EA	59									-15 4-15	62.3
M	H								F	A946D	STRIP, INSULATING: 80063; SMD634807-2	EA	1									-15 4-15	56
M	H								F	A946E	INSULATOR: 16512: 550056-01	EA	184									-15 4-15	62.6
P	H		59991392510						F	A946F	PIN, ELECTRICAL, CON- TACT: 16512: 540123-03	EA	184	10	20	30	10	20	30		92	-15 4-15	62.7
X2	H								E	A947	BUSS BAR: 58189; A53855-001	EA	1									-15 4-15	55
C	H		53505826151						*	A948	SCREW, MACHINE: 96906; MS18212-30	EA	3									-15 4-15	53
C	H								*	A949	NUT, PLAIN, HEXAGON: 80063; SMB546299	EA	3									-15 4-15	54
C	H								E	A950	SPACER: 80063; SM9546132,	EA	8									-15 4-15	60

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
C	H		59408272653						*	A950A	LUG, TERMINAL: 96906; MS77068-2	EA	9										-15 4-15	61	
P	H		53050546652						*	A951 M	SCREW, MACHINE: 96906; MS51957-28	EA	95	*	*	*	*	*	*		95	-15 4-15	57		
P	H		53106389857						*	A952	WASHER, FLAT: 88044; AN960C6L	EA	53	*	*	*	*	*	*		53	-15 4-15	59		
P	H		53109296395						*	A953	WASHER, LOCK: 96906; MS35338-136	EA	184	*	*	*	*	*	*		184	-15 4-15	58		
C	H		53258132050						E	A953A	GROMMET: 96906; MS35490-32	EA	2									-15 4-15	63		
A	H								D	A954	LOGIC: ASSEMBLY: 58189; A64504-004	EA	1									-15 4-15	65.1		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
X	H								E	A955	CHASSIS: 58189; A61706-005	EA	1										-15 4-15	65	
X2	H								E	A956A	TERMINAL BOARD: 75382; 602C-3/4ST7UH	EA	1										-15 4-15	51	
M	H								E	A957 M	MARKER, STRIP: 75382; MS602-7XXXP1A	EA	1										-15 4-15	52	
C	H		53050546672						*	A958	SCREW, MACHINE: 96906; MS51957-47	EA	40										-15 4-15	37	
P	H		53109338119						*	A959	WASHER, LOCK: 96906; MS35338-137	EA	122	*	*	*	*	*	*		122	-15 4-15	39		
P	H		53105586207						*	A959A	WASHER, FLAT: 88044; AN960C8L	EA	93	*	*	*	*	*	*		93	-15 4-15	40		
P	H		53109349759						*	A960	NUT, PLAIN, HEXAGON: 96906; MS35649-284	EA	52	*	*	*	*	*	*		52	-15 4-15	38		
X2	H								E	A961A	TERMINAL, BOARD: 75382; 603-C-3UH	EA	1										-15 4-15	49	
M	H								E	A962	STRIP, MARKER: 75382; MS603-3XXXP1A	EA	1										-15 4-15	50	
C	H		53050546657						*	A963	SCREW, MACHINE: 96906; MS51957-33	EA	20										-15 4-15	45	
			53109296395						*	A964	WASHER, LOCK: SAME AS A953	EA	REF										-15 4-15	47	
P	H		53109349761						*	A965	NUT, PLAIN, HEXAGON: 96906; MS35649-264	EA	115	*	*	*	*	*	*		115	-15 4-15	46		
			53106389857						*	A966A	WASHER, FLAT: SAME AS A952	EA	REF										-15 4-15	48	
C	H		53050593665						*	A966B	SCREW, MACHINE: 96906; MS51958-69	EA	2										-15 4-15	41	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
C	H		53109349765						*	A966C	NUT, PLAIN, HEXAGON: 96906; MS35650-304	EA	29										-15 4-15	42	
			53109338120						*	A966D	WASHER, LOCK: SAME AS A938	EA	REF										-15 4-15	43	
			53101670812						*	A966E	WASHER, FLAT: SAME AS A939	EA	REF										-15 4-15	44	

94.1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
X2	H								E	A968 M	TRIM PLASTIC: 82654; 203413-5	EA	1										-15 4-15	32	
A	H	R							D	A969 M	FRONT PANEL ASSEMBLY: 58189; A64504-005	EA	1										-15 4-15	66	
X2	H								E	A970	PANEL, BLANK: 58189; A64514-001	EA	1										-15 4-15	66.1	
P	H		59309310514						E	A971	SWITCH, PUSH: 96182; 4535-100-1B	EA	1	1	2	3	1	2	3			2	-15 4-15	23	
P	H		59306551582						E	A972	SWITCH, TOGGLE: 15605; 8824K14	EA	1	1	2	3	1	2	3			2	-15 4-15	24	
P	H		59301025733						E	A973	SWITCH, ROTARY: 58189; 810002-080	EA	1	1	2	3	1	2	3			3	-15 4-15	27	
P	H		53555598943						E	A974	KNOB: 96906; MS91528-2K2B	EA	1	1	1	1	1	1	1			2	-15 4-15	26	
X2	H		53406849956						E	A975 M	LATCH: 94222; 49-1-1-0	EA	7										-15 4-15	21	
C	H								*	A975A	WASHER, FLAT: 88044; AN960C416	EA	8										-15 4-15	22	
X2	H		59306871079						E	A976	GUARD, SWITCH: 96906; MS24417-1	EA	1										-15 4-15	25	
M	H								D	A977 M	WIRING HARNESS: 58189; A65406-001	EA	1										-15 4-15	48.1	
C	H		59402049142						E	A978	TERMINAL, LUG: 96906; MS25036-12	EA	21										-15 4-15	48.2	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6													CD	1-5	6-10	11-20	1-5	6-10	11-20
A	H	R	53050546669 53105586207 53109338119 66059410561 59309593427							B	A980	CONTROL PANEL: 58189; A64505-001	EA	1													-15			
C	H									*	A981	SCREW, MACHINE: 96906; MS51957-44	EA	26														4		
										*	A982 M	WASHER, FLAT: SAME AS A959A	EA	REF														1		
										*	A983	WASHER, LOCK: SAME AS A959	EA	REF														2		
X2	H									C	A984A	CONTROL PANEL: 58189; A64518-001	EA	1														3		
A	H									C	A985	SWITCH, PUSH BUTTON: 96182; 1197-30	EA	2														27		
X2	H									D	A986	SWITCH-LIGHT UNIT: 96182; 10EA1C1	EA	11														1		
P	H									D	A987	SWITCH ASSEMBLY: 96182; 10EF1	EA	10	1	2	3	1	2	3		20								
X2	H									D	A988AM	COLORED BULB FILTER: 96182; 10ELWGGW	EA	2																
X2	H									D	A989A	DISPLAY SCREEN: 96182; 10EN1	EA	10																
X2	H									D	A990A	FRONT LENS: 96182; 10ER1T5V12START	EA	2																

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6													CD	1-5	6-10	11-20	1-5	6-10	11-20
A	H		66059410561 59309593427 66059410561 59309593427								C	A991	SWITCH, PUSH BUTTON: SAME AS A985	EA	REF															
											D	A992	SWITCH-LIGHT UNIT: SAME AS A986	EA	REF														1	
											D	A993	SWITCH ASSEMBLY: SAME AS A987	EA	REF															
											D	A994AM	COLORED BULB FILTER, SAME AS A988AM	EA	REF															
											D	A995A	DISPLAY SCREEN: SAME AS A989A	EA	REF															
											D	A996A	FRONT LENS: SAME AS A990A	EA	REF															
											C	A997	SWITCH, PUSH-BUTTON: 96182; 1197-31	EA	2															
											D	A998	SWITCH-LIGHT UNIT: SAME AS A986	EA	REF														2	
											D	A999	WITCH ASSEMBLY: SAME AS A987	EA	REF															
X2	H										D	B001AM	COLORED BULB FILTER: 961812; 10ELR00R	EA	8															
											D	B002A	DISPLAY SCREEN: SAME AS A989A	EA	REF															
X2	H										D	B003A	FRONT LENS: 96182; 10ER1T5V12STOP	EA	2															

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6														IND CD	DESCRIPTION
A	H		66059410561						C	B004	SWITCH, PUSH BUTTON: SAME AS A997	EA								-15 4-11	2			
									D	B005	SWITCH-LIGHT UNIT: SAME AS A986	EA								-15 4-11				
									D	B006	SWITCH ASSEMBLY, SAME AS A987	EA										-15 4-11		
									D	B007	AM COLORED BULB FILTER: SAME AS B001AM	EA										-15 4-11		
									D	B008A	DISPLAY SCREEN: SAME AS A989A	EA										-15 4-11		
									D	B009A	FRONT LENS. SAME AS B003A	EA										-15 4-11		
			X2	H		66059410561						C	B010	SWITCH, PUSH BUTTON: 96182; 1197-32	EA								-15 4-11	3
												D	B011	SWITCH-LIGHT UNIT: SAME AS A986	EA								-15 4-11	
												D	B012	SWITCH ASSEMBLY: SAME AS A987	EA									
			X2	H		59309593427						D	B013AM	COLORED BULB FILTER: 96182; 10ELW00W	EA								-15 4-11	
												D	B014A	DISPLAY SCREEN: SAME AS A909A	EA									-15 4-11
			X2	H								D	B015A	FRONT LENS: 96182; 10ER1T5V13ACPOWER	EA								-15 4-11	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)					
(A) S O U R C E C D	(B) M A I N T E N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6														IND CD	DESCRIPTION	
A	H		66059410561						C	B016	SWITCH, PUSH BUTTON: 96182; 1197-41	EA								-15 4-11	4				
									D	B017	SWITCH-LIGHT UNIT: SAME AS A986	EA										-15 4-11			
									D	B0018	SWITCH ASSEMBLY: SAME AS A987	EA											-15 4-11		
									D	B019AM	COLORED BULB FILTER: 96182; 10ELA00A	EA											-15 4-11		
									D	B020A	DISPLAY SCREEN: SAME AS A989A	EA											-15 4-11		
									D	B021A	FRONT LENS: 96182; 10ER1T5V13 PRINT INDEPENDENT	EA											-15 4-11		
			X2	H		59309593427						D	B022	SWITCH, PUSH B UTTON: 96182; 1197-37	EA								-15 4-11	5	
												D	B023	SWITCH-LIGHT UNIT, SAME AS A906	EA										-15 4-11
												D	B024	SWITCH ASSEMBLY: SAME AS A987	EA										
			X2	H		66059410561						D	B025AM	COLORED BULB FILTER: SAME AS B019AM	EA									-15 4-11	
												D	B026A	DISPLAY SCREEN: SAME AS A989A	EA										-15 4-11
												D	B027A	FRONT LENS: 96182; 10ER1T5V13LOCALTEST	EA										-15 4-11

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)					
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW. BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20				
A	H		66059410561						C	B028 M	SWITCH, PUSH BUTTON: 96182; 1197-39	EA		1										-15 4-11	6
			59309205995						D	B029	SWITCH-LIGHT UNIT: SAME AS A986	EA		REF										-15 4-11	
P	H		59309205995						D	B030	SWITCH ASSEMBLY: 96182; 10EF3	EA	1	1	2	3	1	2	3		2			-15 4-11	
X2	H								D	B031A	COLORED BULB FILTER, 96182; 10ELWWWW	EA		4										-15 4-11	
X2	H								D	B032A	DISPLAY S CREEN: 96182; 10EN2	EA		1										-15 4-11	
X2	H								D	B033A	FRONT LENS: 96182; 10ER1T5V16 WIDE/NARROW	EA		1										-15 4-11	
A	H		66059410561						C	B034	SWITCH, PUSH BUTTON: 96182; 1197-33	EA		1										-15 4-11	7
			59309593427						D	B035	SWITCH-LIGHT UNIT: SAME AS A986	EA		REF										-15 4-11	
									D	B036	SWITCH ASSEMBLY: SAME AS A987	EA		REF										-15 4-11	
									D	B037A	DISPLAY SCREEN: SAME AS A989A	EA		REF										-15 4-11	
X2	H								D	B038	FRONT LENS: 96182; 10ER1T5V13 LAMP TEST	EA		1										-15 4-11	
A	H								C	B039	SWITCH, PUSH BUTTON: 96182; 1197-34	EA		1										-15 4-11	8

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)					
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW. BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20				
			66059410561						D	B040	SWITCH-LIGHT UNIT: SAME AS A986	EA		REF										-15 4-11	
			59309593427						D	B041	SWITCH ASSEMBLY: SAME AS A987	EA		REF										-15 4-11	
									D	B042A	DISPLAY SCREEN: SAME AS A989A	EA		REF										-15 4-11	
X2	H								D	B043A	FRONT LENS: 96182; 10ER1T5V13 AUDIBLE RESET	EA		1										-15 4-11	
A	H		66059410561						C	B044	SWITCH, PUSH BUTTON 96182; 1197-40	EA		1										-15 4-11	9
			59309593427						D	B045	SWITCH-LIGHT UNIT: SAME AS A986	EA		REF										-15 4-11	
									D	B046	SWITCH ASSEMBLY: SAME AS A987	EA		REF										-15 4-11	
									D	B047A	DISPLAY SCREEN, SAME AS A989A	EA		REF										-15 4-11	
X2	H								D	B048A	FRONT LENS: 96182; 10EA1T5V13 FEEDOUT	EA		1										-15 4-11	
A	H								C	B049A	LIGHT, INDICATOR, 96182; 80EA1F1WL2N13 DC POWER	EA		1										-15 4-11	10
X2	H		62100195599						D	B050	HOUSING LITE CAPSULE: 96182; 80EA1	EA		11										-15 4-11	

101

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE				(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
X2	H		62109273688					D	B051AM	FILTER COLOR: 96182; 80EF1W	EA		1								-15 4-11	
X2	H							D	B053	FRONT LENS: 96182; 80EL2N13 DC POWER	EA		1								-15 4-11	
A	H							C	B054 M	LIGHT, INDICATOR: 96182; 80EA1F1AL2N13 NOT ASSIGNED	EA		1								-15 4-11	11
			62100195599					D	B055	HOUSING LITE CAPSULE: SAME AS B050	EA		REF								-15 4-11	
X2	H		62109273519					D	B056	FILTER, COLOR: 96182; 80EF1A	EA		4								-15 4-11	
X2	H							D	B058	FRONT LENS: 96182; 80EL2N13NOT ASSIGNED	EA		1								-15 4-11	
A	H							C	B059 M	LIGHT, INDICATOR: 96182; 80EA1F1RL2N13 MOTION FAIL	EA		1								-15 4-11	12
			62100195599					D	B060	HOUSING LITE CAPSULE: SAME AS B050	EA		REF								-15 4-11	
X2	H		62100119338					D	B061AM	FILTER, COLOR: 96182; 80EF1R	EA		6								-15 4-11	
X2	H							D	B063	FRONT LENS: 96182; 80EL2N13 MOTION FAIL	EA		1								-15 4-11	
A	H							C	B064AM	LIGHT, INDICATOR: 96182; 80EA1F1RL2N13 TIGHT TAPE	EA		1								-15 4-11	13

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE				(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			62100195599					D	B065	HOUSING LITE CAPS ULE: SAME AS B050	EA		REF								-15 4-11	

102.1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O R D I N G C D	(2) FEDERAL STOCK NUMBER	(3)						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N I T	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N
				M O D E L									I N D C D	D E S C R I P T I O N	(A)	(B)	(C)	(A)					(B)	(C)
				1	2	3	4	5	6						(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5			(B) 6-10	(C) 11-20
			62100119338					D	B066 M	FILTER, COLOR: SAME AS B061AM	EA	REF							-15 4-11			
X2	H							D	B068	FRONT LENS: 96182; 80EL2N13 TIGHT TAPE	EA	1							-15 4-11			
A	H							C	B069 M	LIGHT, INDICATOR: 96182; 80EA1F1RL2N13 TAPE OUT	EA	1							-15 4-11	14		
			62100195599					D	B070	HOUSING LITE CAPSULE: SAME AS B050	EA	REF							-15 4-11			
			62100119338					D	B071AM	FILTER, COLOR: SAME AS B061AM	EA	REF							-15 4-11			
X2	H							D	B073	FRONT LENS: 96182; 80EL2N13 TAPE OUT	EA	1							-15 4-11			
A	H							C	B074 M	LIGHT, INDICATOR: 96102; 80EA1F1RL2N13 PARITY ERROR	EA	1							-15 4-11	15		
			62100195599					D	B075	HOUSING LITE CAPSULE: SAME AS B050	EA	REF							-15 4-11			
			62100119330					D	B076 M	FILTER, COLOR: SAME AS B061AM	EA	REF							-15 4-11			

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O R D I N G C D	(2) FEDERAL STOCK NUMBER	(3)						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N I T	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N
				M O D E L									I N D C D	D E S C R I P T I O N	(A)	(B)	(C)	(A)					(B)	(C)
				1	2	3	4	5	6						(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5			(B) 6-10	(C) 11-20
X2	H							D	B078	FRONT LENS: 96182; 80EL2N13 PARITY ERROR	EA	1							-15 4-11			
A	H							C	B079B	LIGHT, INDICATOR: 96182; 80EA1F1RL2N13 PUNCH ERROR	EA	1							-15 4-11	16		
			62100195599					D	B080	HOUSING LITE CAPSULE: SAME AS B050	EA	REF							-15 4-11			
			62100119338					D	B081AM	FILTER, COLOR: SAME AS B061AM	EA	REF							-15 4-11			
X2	H							D	B083	DISPLAY SCREEN: 96182; 80EL2N13 PUNCH ERROR	EA	1							-15 4-11			
A	H							C	B084A	LIGHT, INDICATOR: 961B2; 80EA1F1AL2N13 LOW TAPE	EA	1							-15 4-11	17		
			62100195599					D	B085	HOUSING LITE CAPSULE: SAME AS B050	EA	REF							-15 4-11			
			62109273519					D	B086AM	FILTER, COLOR: SAME AS B056	EA	REF							-15 4-11			
X2	H							D	B088	FRONT LENS: 96182; 80EL2N13LOW TAPE	EA	1							-15 4-11			

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)							
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)									
S	O	U											MODEL								IND	CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6						1-5	6-10	11-20	1-5	6-10	11-20		
A	H		62100195599							C	B089A	LIGHT, INDICATOR: 96182; 80EA1F1AL2N13 PRINT FAIL	EA		1										-15 4-11	18					
											D	B090	HOUSING LITE CAPSULE: SAME AS B050	EA		REF									-15 4-11						
			62109273519								D	B091AM	FILTER; COLOR: SAME AS B056	EA		REF									-15 4-11						
X2	H										D	B093	FRONT LENS: 96182; 80EL2N13PRINT FAIL	EA		1										-15 4-11					
A	H		62100195599								C	B094A	LIGHT, INDICATOR: 96182; 80EA1F1AL2N13 SLACK TAPE	EA		1									-15 4-11	19					
											D	B095	HOUSING LITE CAPSULE: SAME AS B050	EA		REF									-15 4-11						
			62109273519								D	B096	FILTER, COLOR: SAME AS B056	EA		REF									-15 4-11						
X2	H										D	B098	FRONT LENS: 96182; 80EL2N13 SLACK TAPE	EA		1									-15 4-11						
A	H		62100195599								C	B099 M	LIGHT, INDICATOR: 96182; 80EA1F1RL2N13 PUNCH FUSE	EA		1									-15 4-11	20					
											D	B100	HOUSING LI TE CAPSULE: SAME AS B050	EA		REF									-15 4-11						

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)							
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)									
S	O	U											MODEL								IND	CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6						1-5	6-10	11-20	1-5	6-10	11-20		
X2	H		62100119338								D	B101 M	FILTER, COLOR: SAME AS B061AM	EA		REF									-15 4-11						
											D	B103 M	FRONT LENS: 96182; 80EL2N13 PUNCH FUSE	EA		1									-15 4-11						
P	H		62408514352								C	B104 M	LAMP, INCANDESCENT: 08806; 330	EA		46	10	20	30	10	20	30		2500	-15 4-11	21					
M	H										C	B105 M	WIRING HARNESS: 58189; A65411-001	EA		1									-15 4-10		41				
A	H		74409335070								D	B106A	CONTACT ASSEMBLY: 58189; A53847-001	EA		4									-15 4-10	37					
X2	H										E	B107A	BRACKET, ANGLE: 58189; A53846-001	EA		4									-15 4-10		57				
X2	H		53106389857								*	B108	SCREW, EXTERNAL RELIEVED BODY: 80063; SMB546131	EA		6									-15 4-10	44					
											*	B109	WASHER, FLAT: SAME AS A952	EA		REF									-15 4-10		45				
			53109296395								*	B110A	WASHER, LOCK: SAME AS A953	EA		REF									-15 4-10	46					
X2	H										E	B111	INSULATOR, BUSHING: 16512; P550009-09	EA		184									-15 4-10		56				
P	H		59351025806								D	B112	CONTACT, ELECTRICAL: 16512; 540362-06	EA		145	15	30	50	15	30	50		350	-15 4-10	52					

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
C	H							D	B112A	PIN, KEYING: 80063; SMB546216	EA		4								-15 4-10	53
C	H		59405039995					D	B113A	TERMINAL, LUG: 96906; MS25036-1	EA		98								-15 4-11	21.1
C	H							D	B113B	TERMINAL, LUG: 96906; MS25036-3	EA		14								-15 4-11	24.1
C	H							D	B113C	TERMINAL, LUG: 96906; MS25036-6	EA		1								-15 4-11	21.3
C	H							D	B113D	CLAMP, LOOP. E 12357; HP7N	EA		1								-15 4-10	51
C	H		53106349748					*	B113E	NUT, PLAIN, HEXAGON: 969068; MS35649-144	EA		46								-15 4-10	47
P	H		53109338118					*	B113F	WASHER, LOCK, SPLIT; 96906; MS35338-135	EA		71	*	*	*	*	*	*	71	-15 4-10	48
C	H		53106326721					*	B113G	WASHER, FLAT: 88044; AN 960C4	EA		54								-15 4-10	49
C	H		53057702580					*	B113H	SCREW, MACHINE: 96906; MS51959-16	EA		4								-15 4-10	50
M	H							D	B113J	JUMPER: 80063; SMB634809	EA		11								-15 4-11	21.2
X2	H							D	B114	NAMEPLATE: 59730; TC125	EA		11								-15 4-10	55
P	H		59754972158					D	B115	STRAP, LINE SUPPORT: 96906; MS17821-1-9	EA		98	*	*	*	*	*	*	98	-15 4-10	54
C	H							D	B115A	CLAMP, LOOP: 71616; CPC1953-4A	EA		1								-15 4-11	26
C	H		53408454684					D	B115B	CLAMP, LOO P 71616; CPC1953-7B	EA		2								-15 4-11	25

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53109349765						B115C	NUT, PLAIN, HEXAGON: SAME AS A966C	EA		REF								-15 4-11	22
			53109338120					*	B115D	WASHER, LOCK: SAME AS A938	EA		REF								-15 4-12	23
			53101670812					*	B115E	WASHER, FLAT: SAME AS A939	EA		REF								-15 4-11	24
A	H	R						B	B116	ENCLOSURE: 05439; 600501-1	EA		1								-15 4-10	35
X	H							C	B117	CHASSIS, ELECTRICAL EQUIPMENT 05439; 600502	EA		1								-15 4-10	
X2	H							D	B117A	BUMPER, RUBBER: 70485; 1178-2	EA		2								-15 4-10	35.1
A	H	R						C	B118	DOOR ASSEMBLY, RIGHT HAND 05439; 600002-2	EA		1								-15 4-10	58
C	H							*	B119	PIN, STRAIGHT, HEAD- LESS: 05439; 600105-4	EA		4								-15 4-10	59
X2	H							D	B120	DOOR: 05439; 600002-3	EA		1								-15 4-10	65
X2	H							D	B121	HANDLE 05439; 600111-1	EA		2								-15 4-10	60
X2	H							D	B122	CAM: 05439; 600111-2	EA		2								-15 4-10	61
X2	H							D	B123	ROD 05439; 600111-3	EA		4								-15 4-10	62

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6																	
C	H		53050593659						D	B124	GROMMET, NYLON: 05439; 600112-1	EA	4										-15 4-10	63		
X2	H								D	B125	LINER, MYLAR: 05439; 600002-5	EA	1											-15 4-11	64	
A	H	R							C	B126	DOOR ASSEMBLY, LEFT HAND: 05439; 600503-1	EA	1											-15 4-10	66	
									*	B127	PIN, STRAIGHT, HEADLESS: SAME AS B119	EA	REF											-15 4-10	59	
X2	H								D	B128	DOOR: 05439; 600503-3	EA	1											-15 4-10	67	
									D	B129	HANDLE: SAME AS B121	EA	REF												-15 4-10	60
									D	B130	CAM: SAME AS B122	EA	REF												-15 4-10	61
									D	B131	ROD: SAME AS B123	EA	REF												-15 4-10	62
									D	B132	GROMMET, NYLON: SAME AS B124	EA	REF												-15 4-10	63
X2	H								D	B133	LINER, MYLAR: 05439; 600503-5	EA	1												-15 4-10	68
X2	H								C	B134	PANEL, REAR: 05439; 600108-1	EA	1												-15 4-10	72
P	H								*	B135	SCREW, MACHINE: 96906; MS51958-63	EA	35	*	*	*	*	*	*		35				-15 4-10	69

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
C	H		53100593659						*	B136	WASHER, FLAT: 88044; AN960C10	EA	39											-15 4-10	71
			53109338120						*	B137	WASHER, LOCK: SAME AS A938	EA	REF											-15 4-10	70
X2	H								C	B138	PLATE, MOUNTING: 05439; 600102-1	EA	1											-15 4-10	77
X2	H								C	B139	PLATE, SUPPORT: 05439; 600103-1	EA	1											-15 4-10	76
			53100593659						*	B140	WASHER, FLAT: SAME AS B136	EA	REF											-15 4-10	75
			53109335120						*	B141A	WASHER, LOCK: SAME AS A938	EA	REF											-15 4-10	74
			53109349765						*	B142 M	NUT, PLAIN, HEXAGON: SAME AS A966C	EA	REF											-15 4-10	73

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
X2	H							C	B150	BASE: 05439; 600100-1	EA	1								-15 4-10	79	
C	H		53057214747					*	B151	SCREW, MACHINE: 96906; MS24618-40	EA	4								-15 4-10	78	
X2	H							C	B152	TRIM, METAL: 05439; 600102-1	EA	2								-15 4-10	81	
P	H		53404519149					*	B152A	CLIP, RETAINING: 78553; C29943-014-1	EA	28	10	20	30	10	20	30	28	-15 4-10	80	
X2	H							C	B153	TRIM, METAL: 05439; 600109-2	EA	2								-15 4-10	82	
								*	B153A	CLIP, RETAINING: SAME AS B152A	EA	REF								-15 4-10	80	
M	H							C	B154	TRIM, LOGO: 05439; 600110-1	EA	1								-15 4-10	87	
X2	H							C	B155	STRIP, LOGO: 05439; 600504	EA	1								-15 4-10	88	
			53109349765					*	B156A	NUT, PLAIN, HEXAGON: SAME AS A966C	EA	REF								-15 4-10	83	
			53109338120					*	B156B	WASHER, LOCK SAME AS A938	EA	REF								-15 4-10	84	
			53100593659					*	B156C	WASHER, FLAT: SAME AS B136	EA	REF								-15 4-10	85	
C	H		53059847361					*	B156D	SCREW, MACHINE: 96906; MS35191-270	EA	3								-15 4-10	86	
A	H	R						E	C272	PUNCH ASSEMBLY: 58189; A64509-001	EA	1								-15 4-10	5	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
X2	H							C	C273	LATCH, HANDLE: 24248; 62-99-220-30	EA	4								-15	5	
A	H	R						C	C274	DRIVER ASSEMBLY, PUNCH 58189; A64511-001	EA	1								-15 4-12	4	
X	H							D	C275	CHASSIS ASSEMBLY: 58189; A64526-001	EA	1								-15 4-13	18	
A	H							D	C276	SHELF ASSEMBLY: 58189; A64524-002.	EA	1								-15 4-13	19	
X2	H							E	C277	SHELF: 50189; A64528-002	EA	1								-15 4-14	63	
C	H		67607736109					*	C278	SPRING, HELI-COIL COMPOSITION: 94222; 43-13-1-23	EA	4								-15 4-14	59	
C	H		53108455472					*	C279	PING, RETAINING: 94222; 82-32-101-17	EA	4								-15 4-14	60	
C	H		53256875208					*	C280	STUD, TURNLOCK,; 94222; 2-0-220	EA	4								-15 4-14	61	
C	H		53107755245					*	C281	WASHER, RECESSED: 94222; 82-46-101-39	EA	4								-15 4-14	62	
X2	H		59106665781					E	C282A	RETAINER, CAPACITOR: 56289; 4586-97A	EA	1								-15 4-14	6	
C	H		53050545659					*	C283 M	SCREW, MACHINE: 56906; MS51957-15	EA	14								-15 4-14	7	
P	H		53105956425					*	C284	WASHER, FLAT: 88044; AN960C4L	EA	25	*	*	*	*	*	*	25	-15 4-14	8	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
P	H		53109338118					*	C285 M	WASHER, LOCK, SPLIT: SAME AS B113F	EA	REF								-15 4-14	9	
			53109349748					*	C286 M	NUT, PLAIN, HEXAGON: SAME AS B113E	EA	REF								-15 4-14	10	
			59108336649					E	C287	CAPACITOR, FIXED, ELECTROLYTIC: 56289: 36D272G025AA6B	EA	1	1	2	3	1	2	3	3	-15 4-14	11	
			53109349761					*	C289	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF								-15 4-14	4	
C	H		53050546656					*	C289A	SCREW, MACHINE: 96906; MS51957-32	EA	2								-15 4-14	3	
			53109296395					*	C289B	WASHER, LOCK: SAME AS A953	EA	REF								-15 4-14	5	
C	H		53109338120					*	C290A	SCREW, MACHINE: 58189; 639139-467	EA	2								-15 4-14	1	
X2	H		53109338120					*	C290B	WASHER, LOCK: SAME AS A938	EA	REF								-15 4-14	2	
			53109338120					E	C291A	BAR, CLAMP: 58189; A64530-001	EA	2								-15 4-14	52	
C	H		53050545652					*	C292	SCREW, MACHINE: 96906; MS51957-18	EA	21								-15 4-14	48	
			53105956425					*	C293	WASHER, FLAT: SAME AS C284	EA	REF								-15 4-14	49	
			53109336118					*	C294 M	WASHER, LOCK, SPLIT: SAME AS B113F	EA	REF								-15 4-14	50	
			53109349748					*	C295 M	NUT, PLAIN, HEXAGON SAME AS B113E	EA	REF								-25 4-14	51	
P	H		59209956079					E	C296	FUSE: 1/2 AMP 71400: GMT1-2	EA	15	10	20	30	10	20	30	1500	-15 4-14	32	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
			59209956079					E	C297	FUSE: 1/2 AMP SAME AS C296	EA	REF								-15 4-14	32	
			59209956079					E	C298	FUSE: 1/2 AMP SAME AS C296	EA	REF								-15 4-14	32	
			59209956079					E	C299	FUSE: 1/2 AMP SAME AS C296	EA	REF								-15 4-14	32	
			59209956079					E	C300	FUSE: 1/2 AMP SAME AS C296	EA	REF								-15 4-14	32	
			59209956079					E	C0305	FUSE: 1/2 AMP SAME AS C296	EA	REF								-15 4-14	32	
			59209956079					E	C302	FUSE: 1/2 AMP SAME AS C296	EA	REF								-15 4-14	32	
			59209956079					E	C303	FUSE: 1/2 AMP SAME AS C296	EA	REF								-15 4-14	32	
			59209956079					E	C304	FUSE: 1/2 AMP SAME AS C296	EA	REF								-15 4-14	32	
			59209956079					E	C305	FUSE: 1/2 AMP SAME AS C296	EA	REF								-15 4-14	32	
			59209956079					E	C306	FUSE: 1/2 AMP SAME AS C296	EA	REF								-15 4-14	32	
			59209956079					E	C307	FUSE: 1/2 AMP SAME AS C296	EA	REF								-15 4-14	32	
			59209956079					E	C308	FUSE: 1/2 AMP SAME AS C286	EA	REF								-15 4-14	32	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59209956079						E	C309	FUSE: 1/2 AMP SAME AS C296	EA	REF										-15 4-14	32	
			59209956079						E	C310	FUSE: 1/2 AMP SAME AS C296	EA	REF										-15 4-14	32	
P	H		59200232928						E	C311	FUSE: 0.18 AMP 71400; GMT18-100	EA	2	4	8	12	4	8	12		200		-15 4-14	33	
			59200232926						E	C312	FUSE: 0.18 AMP SAME AS C311	EA	REF										-15 4-14	33	
P	H		59059021229						E	C313	RESISTOR, FIXED, WIREWOUND: 81349; RE65G82R5	EA	1	1	2	3	1	2	3		3		-15 4-14	21	
C	H		53050545639						*	C314	SCREW, MACHINE; 96906; M591957-5	EA	6										-15 4-14	17	
C	H		53102860559						*	C315 M	WASHER, FLAT: 88044; AN960C2L	EA	8										-15 4-14	18	
C	H		53109282690						*	C316 M	WASHER, LOCK: 96906; MS35338-134	EA	16										-15 4-14	19	
C	H		53109382013						*	C317 M	NUT, PLAIN, HEXAGON: 96906; MS35649-224	EA	4										-15 4-14	20	
P	H		59058994081						E	C318	RESISTOR, FIXED WIREWOUND; 81349; RE70G4020	EA	1	1	2	3	1	2	3		3		-15 4-14	16	
			53050545649						*	C319 M	SCREW, MACHINE: SAME AS C283 M	EA	REF										-15 4-14	12	
			53105956425						*	C320	WASHER, FLAT. SAME AS C284	EA	REF										-15 4-14	13	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			53109338118						*	C321 M	WASHER, LOCK, SPLIT: SAME AS B113F	EA	REF										-15 4-14	14	
			53109349748						*	C322 M	NUT, PLAIN, HEXAGON: SAME AS B113E	EA	REF										-15 4-14	15	
X2	H								E	C323 A	TERMINAL BOARD: 75382; 600C-14UH	EA	1										-15 4-14	57	
P	H		53050546655						*	C324 M	SCREW, MACHINE: 96906; M51957-31	EA	33	*	*	*	*	*	*		33		-15 4-14	53	
C	H		53107225998						*	C325	WASHER, FLAT: 96906; MS15795-805	EA	8										-15 4-14	54	
			53109296395						*	C326	WASHER, LOCK: SAME AS A953	EA	REF										-15 4-14	55	
			53109349761						*	C327	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF										-15 4-14	56	
P	H		30100755737						E	C328	CONTACT, ELECTRICAL: 75382; 600RJS2	EA	1	1	2	3	1	2	3		3		-15 4-14	45	
P	H		59409592776						E	C329	CONTACT, ELECTRICAL: 75382; 600RJS4	EA	1	2	4	6	2	4	6		2		-15 4-14	46	
X2	H								E	C330 M	JUMPER: 75382; 600RJS6	EA	1										-15 4-14	47	
P	H		59351025690						E	C331	CONNECTOR, RECEPTACLE ELECTRICAL: 16512; 200150-02	EA	4	*	*	*	*	*	*		9		-15 4-14	43	
			53050546652						*	C332	SCREW, MACHINE; SAME AS A951 M	EA	REF										-15 4-14	40	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW. BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD																
			53106389857				*	C333	WASHER, FLAT: SAME AS A952	EA	REF									-15 4-14	41	
			53109296395				*	C334	WASHER, LOCK: SAME AS A953	EA	REF									4-14	42	
			59351025690				E	C335	CONNECTOR, RECEPTACLE: ELECTRICAL: SAME AS C331	EA	REF									-15 4-14	43	
			53050546652				*	C336	SCREW, MACHINE: SAME AS A951 M	EA	REF									-1 4-14	40	
			53106389857				*	C337	WASHER, FLAT: SAME AS A952	EA	REF									-15 4-14	41	
			53109296395				*	C338	WASHER, LOCK: SAME AS A953	EA	REF									-15 4-14	42	
			59351025690				E	C339	CONNECTOR, RECEPTACLE: ELECTRICAL: SAME AS C331	EA	REF									-15 4-14	43	
			53050546652				*	C340	SCREW, MACHINE: SAME AS A951 M	EA	REF									-15 4-14	40	
			53106389857				*	C341	WASHER, FLAT: SAME AS A952	EA	REF									-15 4-14	41	
			53109296395				*	C342	WASHER, LOCK: SAME AS AS 53	EA	REF									-15 4-14	42	
P	H						E	C343	POLARIZATION, KEY: 16512: 290050-01	EA	8		*	*	*	*	*		8	-15 4-14	44	
P	H		59209683238				E	C344 M	FUSEHOLDER: 71400: HLT	EA	19								57	-15 4-14	34	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW. BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD																
			59209663239				E	C345 M	FUSEHOLDER: SAME AS C344 M	EA	REF									-15 4-14	34	
			59209683238				E	C346 M	FUSEHOLDER: SAME AS C344 M	EA	REF									-15 4-14	34	
			59209683238				E	C347 M	FUSEHOLDER: SAME AS C344 M	EA	REF									-15 4-14	34	
			59209683236				E	C348 M	FUSEHOLDER: SAME AS C344 M	EA	REF									-15 4-14	34	
			59209683238				E	C349 M	FUSEHOLDER: SAME AS C344 M	EA	REF									-15 4-14	34	
			59209683238				E	C350 M	FUSEHOLDER: SAME AS C344 M	EA	REF									-15 4-14	34	
			59209683238				E	C351 M	FUSEHOLDER: SAME AS C344 M	EA	REF									-15 4-14	34	
			59209683238				E	C352 M	FUSEHOLDER: SAME AS C344 M	EA	REF									-15 4-14	34	
			59209683238				E	C353 M	FUSEHOLDER: SAME AS C344 M	EA	REF									-15 4-14	34	
			59209683238				E	C354 M	FUSEHOLDER: SAME AS C344 M	EA	REF									-15 4-14	34	
			59209683238				E	C355 M	FUSEHOLDER: SAME AS C344 M	EA	REF									-15 4-14	34	
			59209683238				E	C356 M	FUSEHOLDER: SAME AS C344 M	EA	REF									-15 4-14	34	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)									
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)							
S	M	R											MODEL								IND	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6												CD	1-5	6-10	11-20	1-5	6-10	11-20
D	C	E	DESCRIPTION																										
			59209683238							E	C357 M	FUSEHOLDER: SAME AS C344 M	EA		REF									-15					
			59209683238							E	C358 M	FUSEHOLDER: SAME AS C344 M	EA		REF									-15	34				
			59209683238							E	C359 M	FUSEHOLDER: SAME AS C344 M	EA		REF									-15	34				
			59209683238							E	C360 M	FUSEHOLDER: SAME AS C344 M	EA		REF									-1	34				
X2	H									E	C361A	BRACKET: 58199; A64531-001	EA		2									-15	39				
C	H		53050546668							*	C362AM	SCREW, MACHINE: 96906; MS51957-43	EA		20									-15	35				
			53105586207							*	C363A	WASHER, FLAT: SAME AS A959A	EA		REF									-15	36				
			53109338119							*	C364A	WASHER, LOCK: SAME AS A959	EA		REF									-15	37				
C	H									E	C366	CLAMP, LOOP: 12357; HP10N	EA		9									-15	38				
			53050546669							*	C367A M	SCREW, MACHINE: SAME AS C362AM	EA		REF									-15	35				
			53105586207							*	C368A	WASHER, FLAT: SAME AS A959A	EA		REF									-15	36				

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)									
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)							
S	M	R											MODEL								IND	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6												CD	1-5	6-10	11-20	1-5	6-10	11-20
D	C	E	DESCRIPTION																										
			53109338119							*	C369A	WASHER, LOCK, SPLIT: SAME AS A959	EA		REF									-15	37				
M	H									E	C371	MARKER STRIP: 75382; MS600-14XXXP1A	EA		1									-15	58				
M	H									E	C372	WIRING HARNESS: 58189; A65407-001	EA		1									-15	21.1				
P	H		53050546654							*	C373 M	SCREW, MACHINE: 96906; MS51957-30	EA		100	*	*	*	*	*	*	100		-15	27				
			53106389857							*	C374	WASHER, FLAT: SAME AS A952	EA		REF									-15	28				
			53109296395							*	C375	WASHER, LOCK: SAME AS A953	EA		REF									-15	29				
			53109349761							*	C376	NUT, PLAIN, HEXAGON: SAME AS A965	EA		REF									-15	30				
P	H		53050545651							*	C377 M	SCREW, MACHINE: 98906; MS51957-17	EA		11	*	*	*	*	*	*	11		-15	22				
			53105956425							*	C378	WASHER, FLAT: SAME, AS C284	EA		REF									-15	23				
			53109338118							*	C379 M	WASHER, LOCK, SPLIT: SAME AS B113F	EA		REF									-15	24				
			53109349748							*	C380 M	NUT, PLAIN, HEXAGON SAME AS B113E	EA		REF									-15	25				

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6						(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5			(B) 6-10	(C) 11-20		
			59402049142					F	C381A	TERMINAL LUG: SAME AS A978	EA	REF								-15 4-14	21.3			
								F	C382A	TERMINAL LUG: SAME AS B113B	EA	REF								-15 4-14	21.4			
			59405039995					F	C383 M	TERMINAL LUG: SAME AS B113A	EA	REF								-15 4-14	21.2			
C	H		59358500813					F	C384	CONNECTOR, RECEPTACLE: ELECTRICAL 10400; P34S23JTLHFL	EA	1								-15 4-14	21.5			
C	H		59409479947					F	C385	FERRULE: 00779; 2-323934-2	EA	3								-15 4-14	21.6			
								F	C386	NAMEPLATE: SAME AS B114	EA	REF								-15 4-14	21.8			
			53400742072					F	C387	STRAP, LINE SUPPORT: SAME AS B115	EA	REF								-15 4-14	21.7			
P	H		59058131782					F	C388 M	CONNECTOR, PLUG ELECTRICAL 96906; MS3102R28-20P	EA	1	1	1	1	1	1	1	3	-15 4-14	31			
P	H		59357210496					F	C389 M	CONNECTOR, RECEPTACLE, ELECTRICAL 96906;MS3102R22-14P	EA	2	1	1	1	1	1	3	-15 4-14	26				
X2	H							D	C390	SPACER: 58189; A64522-001	EA	1								-15 4-13	10			
X2	H		59109959189					D	C391	RETAINER, CAPACITOR: 56289; 4586-2A	EA	1								-15 4-13	5			

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6						(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5			(B) 6-10	(C) 11-20		
C	H		53050543655					*	C392	SCREW, MACHINE: 96906; MS51958-59	EA									-15 4-13	4			
C	H		53050546671					*	C393 M	SCREW, MACHINE: 96906; MS51957-46	EA	15								-15 4-13	6			
			53109338119					*	C394	WASHER, LOCK: SAME AS A959	EA	REF								-15 4-13	7			
			53105586207					*	C395 M	WASHER, FLAT: SAME AS A959A	EA	REF								-15 4-13	8			
			53109249759					*	C396	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF								-15 4-13	9			
P	H		59109310489					D	C397	CAPACITOR, FIXED ELECTROLYTIC: 56289; 36D223F075DF6B	EA	1	1	2	3	1	2	3	5	-15 4-13	11			
			53050546671					*	C398 M	SCREW, MACHINE: SAME AS C393 M	EA	REF								-15 4-13	6			
			531093381 19					*	C399	WASHER, LOCK: SAME AS A959	EA	REF								-15 4-13	7			
			53105586207					*	C400 M	WASHER, FLAT: SAME AS A959A	EA	REF								-15 4-13	8			
			53109249759					*	C401	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF								-15 4-13	9			
X2	H							D	C402	SLIDE, LEFT HAND: 06666; C300S14L	EA	1								-15 4-13	16			
C	H		53050593658					*	C403	SCREW, MACHINE: 96906; MS51958-62	EA	7								-15 4-13	12			

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)		
1	2	3	4	5	6	CD																		
X2	H	T	53101670812					*	C404	WASHER, FLAT: SAME AS A939	EA	REF								-15 4-13	13			
			53109338120					*	C405	WASHER, LOCK: SAME AS A938	EA	REF									-15 4-13	14		
			53109349765					*	C406 M	NUT, PLAIN, HEXAGON: SAME AS A966C	EA	REF									-15 4-13	15		
									D	C407	SLIDE, RIGHT HAND: 06666; C300814RTB	EA	1									-15 4-13	17	
			53050593658					*	C408	SCREW, MACHINE: SAME AS C403	EA	REF										-15 4-13	12	
			53101670812					*	C409	WASHER, FLAT: SAME AS A939	EA	REF										-15 4-13	13	
			53109338120					*	C410	WASHER, LOCK SAME AS A938	EA	REF										-15 4-13	14	
			53109349765					*	C411 M	NUT, PLAIN, HEXAGON: SAME AS A966C	EA	REF										-15 4-13	15	
			74409112515					D	C412	CIRCUIT, CARD ASSY: 58189; A53506-001	EA	3	1	2	3	1	2	3		9		-15 4-13	1	
									E	C413	PRINTED CIRCUIT BOARD 58189; A53507-001	EA	3										-15 5-18	
			P	D		59058059714				E	C414	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF362J	EA	12							36		-15 5-18	R1

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)		
1	2	3	4	5	6	CD																		
P	D	T	59058059714					E	C415	RESISTOR, FIXED, COMPOSITION: SAME AS C41	EA	REF									-15 5-18	R8		
			59058059714					E	C416	RESISTOR, FIXED, COMPOSITION: SAME AS C41	EA	REF										-15 5-18	R15	
			59058059714					E	C417	RESISTOR, FIXED, COMPOSITION: SAME AS C41	EA	REF										-15 5-18	R22	
			5905681646 2					E	C418	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF										-15 5-18	R2	
			59056816462					E	C419	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF											-15 5-18	R9
			59056816462					E	C420	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF											-15 5-18	R16
			59056816462					E	C421	RESISTOR, FIXED COMPOSITION: SAME AS A204	EA	REF											-15	R23
			59051920649					E	C422	RESISTOR, FIXED, COMPOSITION: 81345; RC20GF203J	EA	12								36		-15 5-18	R3	
			59051920649					E	C423	RESISTOR, FIXED, COMPOSITION: SAME AS C422	EA	REF											-15 5-18	R10
			59051920649					E	C424	RESISTOR, FIXED, COMPOSITION SAME AS C422	EA	REF											-15 5-18	R17

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59051920649						E	C425	RESISTOR, FIXED, COMPOSITION: SAME AS C422	EA		REF										-15 5-18	R24
			59056837723						E	C426 M	RESISTOR, FIXED, COMPOSITION: SAME AS A635 M	EA		REF										-15 5-18	R4
			59056937723						E	C427 M	RESISTOR, FIXED, COMPOSITION: SAME AS A635 M	EA		REF										-15 5-18	R11
			59056837723						E	C428 M	RESISTOR, FIXED, COMPOSITION: SAME AS A635 M	EA		REF										-15 5-18	R18
			59056837723						E	C429 M	RESISTOR, FIXED, COMPOSITION: SAME AS A635	EA		REF										-15 5-18	R25
			590518S8510						E	C430	RESISTOR, FIXED, COMPOSITION: SAME AS A170	EA		REF										-15 5-18	R5
			590518S8510						E	C431	RESISTOR, FIXED, COMPOSITION: SAME AS A170	EA		REF										-15 5-18	R12
			590518S8510						E	C432	RESISTOR, FIXED, COMPOSITION: SAME AS A170	EA		REF										-15 5-18	R19
			590518S8510						E	C433	RESISTOR, FIXED, COMPOSITION: SAME AS A170	EA		REF										-15 5-18	R26
P	D		59052792642						E	C434	RESISTOR, FIXED, COMPOSITION: 81349; RC32GF391J	EA		12							36			-15 5-18	R6

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59052792642						E	C435	RESISTOR, FIXED, COMPOSITION: SAME AS C434	EA		REF										-15 5-18	R13
			59052792642						E	C436	RESISTOR, FIXED, COMPOSITION: SAME AS C434	EA		REF										-15 5-18	R20
			59052792642						E	C437	RESISTOR, FIXED, COMPOSITION: SAME AS C434	EA		REF										-15 5-18	27
P	D		59059957945						E	C438	RESISTOR, FIXED, WIREWOUND: 81349; RW69V680	EA		12							36			-15 5-18	R7
			59059957945						E	C439	RESISTOR, FIXED, WIREWOUND: SAME AS C438	EA		REF										-15 5-18	R14
			59059957945						E	C440	RESISTOR, FEED, WIREWOUND: SAME AS C438	EA		REF										-15 5-18	R21
			59059957945						E	C441	RESISTOR, FIXED, WIREWOUND: SAME AS C438	EA		REF										-15 5-18	R28
			59618140768						E	C442	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA		REF										-15 5-18	CR1
			59618140768						E	C443	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA		REF										-15 5-18	CR2
			59618140768						E	C444	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA		REF										15 5-18	CR3

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(11) I L L U S T R A T I O N S			
				MODEL									IND C D	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
			59618140768					E	C445	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF								-15 5-18	CR4			
P	D		59351345629					E	C446 M	JACK, TIP: 74970; 105-758-10	EA	6					18		-15 5-18	TP1				
			59351345629					E	C447 M	JACK, TIP: SAME AS C446 M	EA	REF							-15 5-18	TP11				
P	D		59351152273					E	C448 M	JACK, TIP: 74970; 105-752-10	EA	6					18		-15 5-18	TP2				
			59351152273					E	C449 M	JACK, TIP: SAME AS C448	EA	REF							-15 5-18	TP12				
P	D		59351345627					E	C450 M	JACK, TIP: 74970; 105-756-10	EA	3					19		-15 5-18	TP3				
P	D		59351345628					E	C451 M	JACK, TIP: 74970; 105-757-10	EA	3					9		-15 5-18	TP4				
P	D		59351345626					E	C452 M	JACK, TIP: 74970; 105-754-10	EA	3					9		-15 5-18	TP5				
P	D		59357024387					E	C453 M	JACK, TIP: 74970; 105-760-10	EA	3					9		-15 5-18	TP6				
P	D		59358684192					E	C454 M	JACK, TIP: 74970; 105-762-10	EA	3					9		-15 5-18	TP7				
P	D		59351345633					E	C455 M	JACK, TIP: 74970; 105-763-10	EA	3					9		-15 5-18	TP8				
P	D		59350894856					E	C456 M	JACK, TIP: 74970; 105-751-10	EA	3					9		-15 5-18	TP9				

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(11) I L L U S T R A T I O N S			
				MODEL									IND C D	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
P	D		59356901742					E	C457 M	JACK, TIP: 74970; 105-753-10	EA	3							9	-15 5-18	TP10			
			59618804779					E	C458	TRANSISTOR: SAME AS A369	EA	REF							-15 5-18	Q1				
			59618804779					E	C459	TRANSISTOR: SAME AS A369	EA	REF							-15 5-18	Q4				
			59618804779					E	0460	TRANSISTOR: SAME AS A369	EA	REF							-15 5-18	Q7				
			59618804779					E	C461	TRANSISTOR: SAME AS A369	EA	REF							-15 5-18	Q10				
			59610507499					E	C462	TRANSISTOR: SAME AS A324	EA	REF							-15 5-18	Q2				
			59610507499					E	C463	TRANSISTOR: SAME AS A324	EA	REF							-15 5-18	Q5				
			59610507499					E	C464	TRANSISTOR: SAME AS A324	EA	REF							-15 5-18	Q8				
			59610507499					E	C465	TRANSISTOR: SAME AS A324	EA	REF							-15 5-18	Q11				
P	D		59618920821					E	C466	TRANSISTOR: 81350; JAN2N1412	EA	12					60		-15 5-18	Q3				
			59618920821					E	C467	TRANSISTOR: SAME AS C466	EA	REF							-15 5-18	Q6				
			59618920821					E	C468	TRANSISTOR: SAME AS C466	EA	REF							-15 5-18	Q9				

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N I T	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N
				MODEL									IND C D	DESCRIPTION	(A)	(B)	(C)	(A)					(B)	(C)
				1	2	3	4	5	6						CD	1-5	6-10	11-20			1-5	6-10	11-20
			59618920821					E	C469	TRANSISTOR: SAME AS C466	EA	REF							-15 5-18	Q12		
C	D		53106191148					E	C470	WASHER, FLAT: 96906; MS15795-808	EA	20							-15 5-15	H1		
C	D		53100541831					E	C471	WASHER, LOCK: 96906; MS35338-81	EA	12							-15 5-15	H2		
			53102708810					E	C172	NUT, HEXAGON: SAME AS A945	EA	REF							-15 5-15	H3		
			59700579700					E	C473	INSULATOR, DISK SAME AS A373	EA	REF							-15 5-15	H4		
			74109112515					D	C474	CIRCUIT CARD ASSY: SAME AS C412	EA	REF							-15 4-13	2		
								E	C175 M	PRINTED CIRCUIT BOARD SAME AS C413	EA	REF							-15 5-15			
			59058059714					E	C176	RESISTOR, FIXED, COMPOSITION: SAME AS C414	EA	REF							-15 5-18	R1		
			59058059714					E	C177	RESISTOR, FIXED, COMPOSITION: SAME AS C414	EA	REF							-15 5-15	R8		
			59058059714					E	C478	RESISTOR, FIXED, COMPOSITION: SAME AS C414	EA	REF							-15 5-15	R15		
			S9058059714					E	C479	RESISTOR, FIXED, COMPOSITION: SAME AS C414	EA	REF							-15 5-15	R22		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N I T	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N
				MODEL									IND C D	DESCRIPTION	(A)	(B)	(C)	(A)					(B)	(C)
				1	2	3	4	5	6						CD	1-5	6-10	11-20			1-5	6-10	11-20
			59056816462					E	C480	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF							-15 5-18	R2		
			59056816462					E	C481	RESISTOR, FIXED, COMPOSITION : SAME AS A204	EA	REF							-15 5-18	R9		
			590568164162					E	C482	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF							-15 5-18	R16		
			59056816462					E	C483	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF							-15 5-18	R23		
			59051920649					E	C484	RESISTOR, FIXED, COMPOSITION: SAME AS C422	EA	REF							-15 5-18	R3		
			59051920649					E	C485	RESISTOR, FIXED, COMPOSITION: SAME AS C422	EA	REF							-15 5-18	R10		
			59051920649					E	C486	RESISTOR, FIXED, COMPOSITION: SAME AS C422	EA	REF							-15 5-18	R17		
			59051920649					E	C487	RESISTOR, FIXED, COMPOSITION: SAME AS C422	EA	REF							-15 5-18	R24		
			59056837723					E	C488 M	RESISTOR, FIXED, COMPOSITION: SAME AS A635 M	EA	REF							-15 5-18	R4		
			59056837723					E	C489 M	RESISTOR, FIXED, COMPOSITION: SAME AS A635 M	EA	REF							-15 5-18	R11		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
1	2	3	4	5	6	CD																
			59056837723					E	C490 M	RESISTOR, FIXED, COMPOSITION: SAME AS A635 M	EA		REF							-15 5-18	R18	
			59056837723					E	C491 M	RESISTOR, FIXED, COMPOSITION: SAME AS A635 M	EA		REF							-15 5-18	R25	
			59051858510					E	C492	RESISTOR, FIXED, COMPOSITION: SAME AS A170	EA		REF							-15 5-18	R5	
			59051858510					E	C493	RESISTOR, FIXED, COMPOSITION: SAME AS A 170	EA		REF							-15 5-18	R12	
			59051858510					E	C494	RESISTOR, FIXED, COMPOSITION: SAME AS A170	EA		REF							-15 5-18	R19	
			59051858510					E	C495	RESISTOR, FIXED, COMPOSITION: SAME AS A170	EA		REF							-15 5-18	R26	
			59052792642					E	C496	RESISTOR, FIXED, COMPOSITION: SAME AS C434	EA		REF							-15 5-18	R6	
			59052792642					E	C497	RESISTOR, FIXED, COMPOSITION: SAME AS C434	EA		REF							-15 5-18	R13	
			59052792642					E	C498	RESISTOR, FIXED, COMPOSITION: SAME AS C434	EA		REF							-15 5-18	R20	
			59052792642					B	C499	RESISTOR, FIXED, COMPOSITION: SAME AS C434	EA		REF							-15 5-18	R27	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
1	2	3	4	5	6	CD																
			59059957945					E	C500	RESISTOR, FIXED, WIREWOUND: SAME AS C438	EA		REF							-15 5-18	R7	
			59059957945					E	C501	RESISTOR, FIXED, WIREWOUND: SAME AS C438	EA		REF							-15 5-18	R14	
			59059957945					E	C502	RESISTOR, FIXED, WIREWOUND: SAME AS C438	EA		REF							-15 5-18	R21	
			59059957945					E	C503	RESISTOR, FIXED, WIREWOUND: SAME AS C438	EA		REF							-15 5-18	R28	
			59618140768					E	C504	SEMI-CONDUCTOR, DEVICE, DIODE: SAME AS A051G	EA		REF							-15 5-18	CR1	
			59619140768					E	C505	SEMI-CONDUCTOR, DEVICE, DIODE: SAME AS A051G	EA		REF							-15 5-18	CR2	
			59618140768					E	C506	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA		REF							-15 5-18	CR3	
			59618140768					B	C507	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA		REF							-15 5-18	CR4	
								B	C508 M	JACK, TIP: SAME AS C446 M	EA		REF							-15 5-18	TP1	
								E	C509 M	JACK, TIP: SAME AS C446 M	EA		REF							-15 5-18	TP11	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6														IND CD	DESCRIPTION	1-5	6-10	11-20	1-5	6-10	11-20
			59351152273						E	C510 M	JACK, TIP: SAME AS C448 M	EA	REF							-15 5-18	TP2	
			59351152273						E	C511 M	JACK, TIP: SAME AS C448 M	EA	REF							-15 5-18	TP12	
			59351345627						E	C512 M	JACK, TIP SAME AS C450 M	EA	REF							-15 5-18	TP3	
			59351345628						E	C513 M	JACK, 71P: SAME AS C451 M	EA	REF							-15 5-18	TP4	
			59351345626						E	C514 M	JACK, TIP: SAME AS C452 M	EA	REF							-15 5-18	TP5	
			59357024387						E	C515 M	JACK, TIP: SAME AS C453 M	EA	REF							-15 5-18	TP6	
			59358684192						E	C516 M	JACK, TIP: SAME A S C454 M	EA	REF							-15 5-18	TP7	
			59351345633						E	C517 M	JACK, TIP: SAME AS C455 M	EA	REF							-15 5-18	TP8	
			59350894856						E	C518 M	JACK, TIP: SAME AS C456 M	EA	REF							-15 5-18	TP9	
			59356901742						E	C519 M	JACK, TIP: SAME AS C457 M	EA	REF							-15 5-18	TP10	
			59618804779						E	C520	TRANSISTOR SAME AS A369	EA	REF							-15 5-18	Q1	
			59618804779						E	C521	TRANSISTOR: SAME AS A369	EA	REF							-15 5-18	Q4	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6														IND CD	DESCRIPTION	1-5	6-10	11-20	1-5	6-10	11-20
			59618804779						E	C522	TRANSISTOR: SAME AS A369	EA	REF							-15 5-18	Q7	
			59618804779						E	C523	TRANSISTOR: SAME AS A369	EA	REF							-15 5-58	Q10	
			59610507499						E	C524	TRANSISTOR: SAME AS A324	EA	REF							-15 5-18	Q2	
			59610507499						E	C525	TRANSISTOR SAME AS A324	EA	REF							-15 5-18	Q5	
			59610507499						E	C526	TRANSISTOR: SAME AS A324	EA	REF							-15 5-18	Q8	
			59610507499						E	C527	TRANSISTOR: SAME AS A324	EA	REF							-15 5-18	Q11	
			59618920821						E	C528	TRANSISTOR: SAME AS C466	EA	REF							-15 5-18	Q3	
			59618920821						E	C529	TRANSISTOR: SAME AS C466	EA	REF							-15 5-18	Q6	
			59618920821						E	C530	TRANSISTOR: SAME AS C466	EA	REF							-15 5-18	Q9	
			59616920821						E	C531	TRANSISTOR: SAME AS C466	EA	REF							-15 5-18	Q12	
			53106191148						E	C532	WASHER, FLAT: SAME AS C470	EA	REF							-15 5-18	H1	
			53100541831						E	C533	WASHER, LOCK: SAME AS C471	EA	REF							-15 5-18	H2	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			53102700810						E	C534	NUT, HEXAGON: SAME AS A945	EA	REF											-15 5-18	H3
			59700579700						E	C535	INSULATOR, DISK: SAME AS A373	EA	REF											-15 5-18	H4
			74409012515						D	C536	CIRCUIT. CARD ASSY: SAME AS C412	EA	REF											-15 4-13	3
									E	C537	PRINTED CIRCUIT BOARD SAME AS C413	EA	REF											-15 5-18	
			59058059714						E	C538	RESISTOR, FIXED, COMPOSITION: SAME AS C414	EA	REF											-15 5-18	R1
			59050059714						E	C539	RESISTOR, FIXED, COMPOSITION: SAME AS C414	EA	REF											-15 5-18	R8
			59058059714						E	C540	RESISTOR, FIXED, COMPOSITION: SAME AS C414	EA	REF											-15 5-18	R15
			59058059714						E	C541	RESISTOR, FIXED, COMPOSITION: SAME AS C414	EA	REF											-15 5-18	R22
			59056816 462						E	C542	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF											-15 5-18	R2
			59056816462						E	C543	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF											-15 5-18	R9

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59056816462						E	C544	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA	REF											-15 5-18	R16
			59056816462						E	C545	RESISTOR, FD(ED, COMPOSITION: SAME AS A204	EA	REF											-15 5-18	R23
			59051920649						E	C546	RESISTOR. FIXED, COMPOSITION, SAME AS C422	EA	REF											-15 5-18	R3
			59051920649						E	C547	RESISTOR, FIXED, COMPOSITION: SAME AS C422	EA	REF											-15 5-18	R10
			59051920649						E	C548	RESISTOR, FIXED, COMPOSITION: SAME AS C422	EA	REF											-15 5-18	R17
			59051920649						E	C549	RESISTOR, FIXED, COMPOSITION: SAME AS C422	EA	REF											-15 5-18	R24
			59056837723						E	C550 M	RESISTOR, FIXED, COMPOSITION: SAME AS A635 M	EA	REF											-15 5-18	R4
			59056837723						E	C551 M	RESISTOR, FIXED, COMPOSITION: SAME AS A635 M	EA	REF											-15 5-18	R11
			59056837723						E	C552 M	RESISTOR, FIXED, COMPOSITION: SAME AS A635 M	EA	REF											-15 5-18	R18
			59058837723						E	C553 M	RESISTOR, FIXED, COMPOSITION: SAME AS A635 M	EA	REF											-15 5-18	R25

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20			
			59051858510						E	C554	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA												-15 5-18	R5
			59051858510						E	C555	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA												-15 5-18	R12
			59051858510						E	C556	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA												-15 5-18	R19
			59051858510						E	C557	RESISTOR, FIXED, COM- POSITION: SAME AS A170	EA												-15 5-18	R26
			59052792642						E	C558	RESISTOR, FIXED, COM- POSITION SAME AS C434	EA												-15 5-18	R6
			59052792642						E	C559	RESISTOR, FIXED, COM- POSITION: SAME AS C434	EA												-15 5-18	R13
			59052792642						E	C560	RESISTOR, FIXED, COM- POSITION: SAME AS C434	EA												-15 5-18	R20
			59052792642						E	C561	RESISTOR, FIXED, COM- POSITION: SAME AS C434	EA												-15 5-18	R27
			59059957945						E	C562	RESISTOR, FIXED, WIRE- WOUND: SAME AS C438	EA												-15 5-18	R7
			59059957945						E	C563	RESISTOR, FIXED, WIRE- WOUND: SAME AS C438	EA												-15 5-18	R14

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20			
			59059957945						E	C564	RESISTOR, FIXED, WIREWOUND: SAME AS C438	EA												-15 5-18	R21
			59059957945						E	C565	RESISTOR, FIXED, WIREWOUND: SAME AS C438	EA												-15 5-18	R28
			59618140768						E	C566	SEMI-CONDUCTOR, DEVICE, DIODE: SAME AS A051G	EA												-15 5-18	CR1
			59618140768						E	C567	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA												-15 5-18	CR2
			59618140768						E	C568	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA												-15 5-18	CR3
			59618140768						E	C569	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA												-15 5-18	CR4
			59351345629						E	C570 M	JACK, TIP: SAME AS C446 M	EA												-15 5-18	TP1
			59351345629						E	C571 M	JACK, TIP: SAME AS C446 M	EA												-15 5-18	TP11
			59151152273						E	C572 M	JACK, TIP: SAME AS C448 M	EA												-15 5-18	TP2
			59351152273						E	C573 M	JACK, TI P: SAME AS C448 M	EA												-15 5-18	TP12
			59351345627						E	C574 M	JACK, TIP: SAME AS C450 M	EA												-15 5-18	TP3

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE				(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O R D C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6														IND CD	DESCRIPTION
			59351345628						E	C575 M	JACK, TIP: SAME AS C451 M	EA								-15 5-18	TP4	
			59351345626						E	C576 M	JACK, TIP: SAME AS C452 M	EA								-15 5-18	TP5	
			59357024307						E	0577 M	JACK, TIP: SAME AS C453 M	EA								-15 5-18	TP6	
			59358684192						E	C578 M	JACK, TIP: SAME AS C454 M	EA								-15 5-18	TP7	
			59351345633						E	C579 M	JACK, TIP: SAME AS C455 M	EA								-15 5-18	TP8	
			59350894856						E	C580 M	JACK, TIP: SAME AS C456 M	EA								-15 5-18	TP9	
			59356901742						E	C581 M	JACK, TIP, SAME AS C457 M	EA								-15 5-18	TP10	
			59618004779						E	C582	TRANSISTOR: SAME AS A369	EA								-15 5-18	Q1	
			59610604779						E	C583	TRANSISTOR: SAME AS A369	EA								-15 5-18	Q4	
			59618804779						E	C584	TRANSISTOR: SAME AS A369	EA								-15 5-18	Q7	
			59618804779						E	C585	TRANSISTOR: SAME AS A369	EA								-15 5-18	Q10	
			59610507499						E	C586	TRANSISTOR: SAME AS A324	EA								-15 5-18	Q2	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE				(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O R D C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6														IND CD	DESCRIPTION
			59610507499						E	C587	TRANSISTOR: SAME AS A324	EA								-15 5-18	Q5	
			59610507499						E	C588	TRANSISTOR: SAME AS A324	EA								-15 5-18	Q8	
			59610507499						E	C589	TRANSISTOR: SAME AS A324	EA								-15 5-18	Q11	
			59618920821						E	C590	TRANSISTOR: SAME AS C466	EA								-15 5-18	Q3	
			59618920021						E	C591	TRANSISTOR: SAME AS C466	EA								-15 5-18	Q6	
			59618920821						E	C592	TRANSISTOR: SAME AS C466	EA								-15 5-18	Q9	
			59610920821						E	C593	TRANSISTOR: SAME AS C466	EA								-15 5-18	Q12	
			53106191148						E	C594	WASHEBR. FLAT: SAME AS C470	EA								-15 5-18	H1	
			53100541831						E	C595	WASHER. LOCK: SAME AS C471	RA								-15 5-18	H2	
			53102700010						E	C596	NUT, HEXAGON: SAME AS A945	EA								-15 5-18	H3	
			59700579700						E	C597	INSULATOR. DISK: SAME AS A373	EA								-15 5-18	H4	
A	H	R							C	C598	PERFORATOR ASSEMBLY: 12344: 331940	EA								-15 4-12	6	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW. BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL									IND CD	DESCRIPTION	(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5			(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6															
			53050546672						*	C599	SCREW, MACHINE: SAME AS A958	EA									-15 4-12	1		
			53105586207						*	C600 M	WASHER, FLAT: SAME AS A959A	EA									-15 4-12	2		
			53109338119						*	C601	WASHER, LOCK: SAME AS A959	EA									-15 4-12	3		
X2	H								D	C602	DEFLECTOR, TAPE: 12344: 376700	EA									-15 4-21	59		
X2	H								D	C603	SPRING: 12344: 377270	EA									-15 4-21	12		
X2	H								D	C604	SPRING, A NCHOR: 12344: 377220	EA									-15 4-21	15		
C	H								*	C605A	SCREW, MACHINE: 12344: 4164150	EA									-15 4-21	13		
C	H								*	C606	WASHER, LOCK: 12344: 4179500	EA									-15 4-21	14		
C	H								*	C606A	WASHER, FLAT: 12344: 4175400	EA									-15 4-21	14A		
X2	H								D	C607	POST, ANCHOR: 12344: 377230	EA									-15 4-21	17		
C	H								*	C608 M	SCREW, MACHINE: 12344: 4165500	EA									-15 4-21	16		
C	H		59402835280						D	C609A	TERMINAL LUG : 98410: BB523-06	EA									-15 4-21	113		
M	H								D	C610	PLATE IDENTIFICATION: 12344: 340230	EA									-15 4-21	2		

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW. BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL									IND CD	DESCRIPTION	(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5			(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6															
C	H								D	C611A	CLAMP, LOOP: 12344: 375330	EA									-15 4-21	7		
C	H								*	C611B	SCREW, MACHINE: 12344: 4164800	EA									-15 4-21	5		
									*	C611C	WASHER, FLAT: SAME AS C606	EA									-15 4-21	6		
									*	C611D	WASHER, LOCK: SAME AS C606	EA									-15 4-21	5A		
X2	H								D	C612	COVER: 12344: 376720	EA									-15 4-21	11		
									*	C613A	SCREW, MACHINE: SAME AS C605A	EA									-15 4-21	9		
									*	C614 M	WASHER, FLAT: SAME AS C606A	EA									-15 4-21	10		
P	H								D	C615	JUMPER: 12344: 4110600	EA									-15 4-21	112		
P	H		59309297869						D	C616A	ACTUATOR SWITCH: 91929; J15261	EA		1	2	3	1	2	3	10		-15 4-21	78	
C	H								*	C617	SCREW: 12344: 4153010	EA									-15 4-21	76		
C	H								*	C617A	WASHER, FLAT: 12344: 4175050	EA									-15 4-21	77A		
C	H								*	C617B	WASHER, LOCK: 12344: 4179100	EA									-15 4-21	77		
X2	H								D	C624A	PAN OIL: 12344: 304993	EA									-15 4-21	52		
P	H		53054946503						*	C626	SCREW, MACHINE: 12344: 4161100	EA				*	*	*	30		-15 4-21	49		

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE				(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)												
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	O	U											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6												
P	H		53054830222						*	EA		2	*	*	*	*	*	*		10	-15 4-21	51								
C	H								*	EA		10									-15 4-21	50								
C	H								*	EA		10									-15 4-21	49A								

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE				(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)												
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	O	U											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6													CD	1-5	6-10	11-20	1-5	6-10	11-20
X2	H								D	EA		1									-15 4-21	178								
P	H		74400560092						D	EA		1	1	2	3	1	2	3		2	-15 4-21	161								
P	H		31100596189						D	EA		2	1	2	3	1	2	3		6	-15 4-21	155								
P	H		53309213894						D	EA		1	*	*	*	*	*	*		10	-15 4-21	155.1								
X2	H		74400531316						D	EA		1									-15 4-21	156								
C	H								*	EA		6									-15 4-21	153								
C	H		53106163555						*	EA		116									-15 4-21	154								
C	H		31200249870						D	EA		2									-15 4-21	159								
P	H		30200531430						D	EA		1	1	2	3	1	2	3		1	-15 4-21	160								
P	H		53408035407						D	EA		1	5	10	15	5	10	15		5	-15 4-21	158								
P	H		74408953995						D	EA		1	1	2	3	1	2	3		1	-15 4-21	152								
P	H		53402005234						*	EA		4	5	10	15	5	10	15		12	-15 4-21	151								

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
P	H		74408953994					D	C661	BUSHING: 12344; 321370	EA		1	1	2	3	1	2	3		2	-15 4-21	119	
P	H		66058355133					D	C662	BUSHING: 12344; 304213	EA		3	1	2	3	1	2	3		6	-15 4-21	148	
P	H		53300577769					D	C663	GASKET: 12344; 318770	EA		1	1	2	3	1	2	3		2	-15 4-21	147	
X2	H		74400531317					D	C664	TUBE BEARING: 12344; 318760	EA		1									-15 4-21	150	
								*	C665A	SCREW, MACHINE: SAME AS C654A	EA		REF									-15 4-21	145	
			5310616355 5					*	C666 M	WASHER, LOCK: SAME AS C655 M	EA		REF									-15 4-21	146	
P	H		74408953976					D	C667	GEAR & SHAFT MOLDED: 12344; 318850	EA		1	1	2	3	1	2	3		1	-15 4-21	142	
			53402005234					*	C668 M	RETAINING, RING: SAME AS C660 M	EA		REF									-15 4-21	141	
C	H		53105157449					*	C669 M	WASHER THRUST: 88044; AN960C416L	EA		1									-15 4-21	144	
P	H		53651786045					D	C670 M	SHIM: 12344; 225375	EA		16	*	*	*	*	*					-15 4-21	143
P	H		74409893588					D	C671	PULLEY INTE GRATED TOOTH: 12344; 220445	EA		1	1	2	3	1	2	3		2	-15 4-21	131	
C	H							*	C671A	SET SCREW: 12344; 4153900	EA		2									-15 4-21	130A	
X2	H							D	C672A	STANDOFF MOTOR: 12344; 393940	EA		3									-15 4-21	165	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
X2	H		59758785833					D	C673	BOOT, MOTOR: 12344; 300030	EA		1									-15 4-21	162
X2	H							D	C673A	RING, MOTOR BOOT: 12344; 393950	EA		1									-15 4-21	161A
P	H	T	61054426096					D	C674AM	MOTOR: 03494; 5KC19SG34	EA		1	1	2	3	1	2	3		1	-15 4-21	166C
P	H		5330-00- 338-1280					E	C674B	OIL SLINGER WASHER 88422; 33-100137-002	EA		1	*	*	*	1	2	3		3	-15 4-21	6 162A
P	D		53106989955					E	C674C	OIL SEAL: 80201; 3645	EA		1								5	-15 4-31	6
C	H		53059836654					*	C675	SCREW, MACHINE: 96906; MS16998-31	EA		3									-15 4-21	163
			53101670812					*	C675A	WASHER, FLAT: SAME AS A939	EA		REF									-15 4-21	164A
C	H		53105435933					*	C676	WASHER, LOCK: 96906; MS35333-73	EA		3									-15 4-21	164
P	H		74408947021					D	C677	GEAR MOTOR SHAFT: 12344; 320950	EA		1	1	2	3	1	2	3		1	-15 4-21	157
P	H		53300596194					D	C678B	O RING: 12344; 3161500	EA		1	1	2	3	1	2	3		3	-15 4-21	136
P	H	R	74401343774					D	C680	MECHANISM CAPSTAN DRIVE: 12344; 376631	EA		1	1	1	1	1	1	1		3	-15 4-21	140
C	H							*	C680A	SCREW, MACHINE: 12344; 4165375	EA		2									-15 4-21	139
C	H							*	C680B	WASHER, FLAT: 12344; 6000 27-02	EA		2									-15 4-21	139.2

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW. BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG. PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					1-5	6-10	11-20	1-5	6-10	11-20		
C	H		74409893625						*	C680C	SCREW. MACHINE: 123144; 4165500	EA										-15 4-21	138							
C	H									*	C680D	WASHER, FLAT: 12344; 600027-01	EA										-15 4-21	139.1						
M	H									E	C681A	CABLE, ASSEMBLY: 12344; 381160	EA										-15 4-21	179						
C	H									F	C684 M	PIN TAPER: 12344; 4018300	EA										-15 4-21	180						
										F	C685A	TERMINAL LUG: SAME AS C609A	EA										-15 4-21	181						
X2	H									E	C689	INTERFACE ASSEMBLY: 12344; 033301	EA										-15 4-30	8						
X2	H									*	C690AM	NUT. PLAIN, HEXAGON: 12344; 4171900	EA										-15 4-30	6						
C	H			53050545648						*	C691AM	SCREW. MACHINE: 96906; MS51957-14	EA										-15 4-30	7						
				53106326721						*	C691B	WASHER, FLAT: SAME AS B113G	EA										-15 4-30	7A						
X2	H									E	C692B	BRACKET, CARD MOUNT- ING: 12344; 396140	EA										-15 4-30	11						
C	H			53105503715						*	C693	WASHER, LOCK: 96906; MS35333-70	EA										-15 4-30	10						
C	H			53050545647						*	C694AM	SCREW. MACHINE: 96906; MS16995-11	EA										-15 4-30	9						
A	H	R		74409893021						E	C695	ACTUATOR ASSEMBLY; 123144; 300172	EA										-15 4-30							
C	H									*	C696A	SCREW, MACHINE: 123144; 4156400	EA										-15 4-30	12						

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW. BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG. PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					1-5	6-10	11-20	1-5	6-10	11-20		
C	H		53109338118						*	C696B	SHIM, 0.129 DIA X 0.003 IN THX 12344; 305651	EA										-15 4-30	12B							
C	H									*	C696C	SHIM, 0.128 DIA X 0.005 IN THK 12344; 305652	EA									-15 4-30	12C							
C	H									*	C696D	SHIM, 0.128 DIA X 0.010 IN THK 12344; 305653	EA									-15 4-30	12D							
										*	C696E	WASHER., LOCK SPLIT: SAME AS B113F	EA										-15 4-30	12A						

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H		7440087843	9					F	C697 M	ARMATURE ASSEMBLY: 12344; 318460	EA		4	1	2	3	1	2	3		16	-15 4-30	16	
P	H		53609265421						F	C700	SPRING, ACTUATOR: 12344; 300371	EA		12	2	4	6	2	4	6		12	-15 4-30	13	
C	H								*	C701	NUT, SELFLOCKING: 88044; AN365C632	EA		13									-15 4-30	14	
C	H		53056019080						F	C702	SCREW, TENSION ADJUSTING: 12344; 304370	EA		13									-15 4-30	15	
P	H		74409716201						F	C703 M	SHIM ANTI RESIDUAL, .004 THICK 12344; 22 6374	EA		4	1	2	3	1	2	3		1	-15 4-30	17	
P	H		59501345811						F	C704A	COIL ASSEMBLY: 12344; 220534	EA		1	1	2	3	1	2	3		2	-15 4-30	18	
X2	H		74400878455						F	C705	LIMIT, ESCAPEMENT: 12344; 223770	EA		2									-15 4-30	21	
C	H		53050510840						*	C706	SCREW, MACHINE: 96906; MS51958-11	EA		17									-15 4-30	19	
			53109338118						*	C706A	WASHER, LOCK, SPLIT: SAME AS B113F	EA		REF									-15 4-30	20	
X2	H		74400878465						F	C707 M	BRACKET ACTUATOR: 12344; 313740	EA		4									-15 4-30	23	
			74400878464						F	C708 M	FRAME COIL ASSEMBLY: 12344; 223760	EA		3									-15 4-30	25	
X2	H		53050510840						*	C709	SCREW, MACHINE: SAME AS C706	EA		REF									-15 4-30	22	
P	H		74404555797						E	C710	REVERSE ASSEMBLY: 12344; 300890	EA		1	*	*	*	*	*	*		3	-15 4-30		

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H		74400192370						F	C711 M	GEAR: 12344; 301160	EA		1	1	2	3	1	2	3		1	-15 4-30	27	
C	H		53059887602						*	C712 M	SCREW, CAP; 96906; MS16995-26	EA		5									-15 4-30	26	
P	H		74409976212						F	C713	STEPPER, REVERSE: 12344; 300630	EA		1	1	2	3	1	2	3		1	-15 4-30	28	
X2	H		31208421363						F	C714 M	BEARING; 71041; B24-2	EA		2									-15 4-30	29	
X2	H								F	C715	BRACKET, BEARING: 12344; 300500	EA		1									-15 4-30	30	
P	H		74408953992						E	C716	CLUTCH CAPSTAN: 12344; 301810	EA		1	1	2	3	1	2	3		2	-15 4-30	33	
P	H		53400577778						E	C716HM	SHIM, 0.19 DIA X 0.003 IN THICK: 12344; 225371	EA		8	*	*	*	5	5	5		5	-15 4-30	31A	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
P	H		53651786043						E	C716JM	SHIM, 0.19 DIA X 0.005 INCH THICK 12344; 225372	EA		8	*	*	*	5	5	5		5	-15 4-30	31B
P	H		53400521080						E	C716KM	SHIM, 0.19 DIA X 0.010 INCH THICK 12344; 225373	EA		10	*	*	*	5	5	5		5	-15 4-30	31C
C	H								E	C723 M	RING, RETAINING: 89462; 5133-18MD	EA		1									-15 4-30	31
P	H		66059877683						E	C724A	GEAR ASSEMBLY, MO LDED 66059; 877683	EA		1	1	2	3	1	2	3		1	-15 4-30	44
P	H		74401520042						E	C725	PIVOT, SHAFT: 12344; 351800	EA		1	*	*	*	*	*	*		4	-15 4-30	32
P	H		66059877682						E	C726A	GEAR, CLUSTER, MOLDED 66059; 877682	EA		1	1	2	3	1	2	3		1	-15 4-30	45
P	H		74409263756						E	C727	GEAR, DRIVE, BACK: 12344; 301050	EA		1	1	2	3	1	2	3		1	-15 4-30	41
P	H		53651786044						E	C727A	SHIM, 0.253 DIA X 0.003 INCH THICK: 12344; 225374	EA		15	*	*	*	5	5	5		5	-15 4-30	43.1
			53651786045						D	C727B	SHIM, .005 INCH THICK SAME AS C670 M	EA		REF									-15 4-30	43.2
P	H		53651826731						E	C727C	SHIM, 0.253 DIA X 0.010 INCH THICK 12344; 225376	EA		17	*	*	*	5	5	5		5	-15 4-30	43.3

243.1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
P	H		74401686906						E	C728	SHAFT, DRIVE, CAPSTAN: 12344; 300780	EA		1	*	*	*	1	2	3		2	-15 4-30	42
P	H		66051877679						E	C729	SHAFT-GEAR ASSEMBLY: 12344; 135511	EA		1	1	2	3	1	2	3		1	-15 4-30	82
C	H								E	C730A	WASHER, THRUST: 71041; 18808	EA		7									-15 4-30	43
			53400521080						E	C731 M	SHIM, 0.10 IN THICK SAME AS C716KM	EA		REF									-15 4-30	69
A	H	R	74408838168						E	C732	ACTUATOR MAGNETIC: 12344; 319940	EA		1									-15 4-30	
C	H								*	C733A	SCREW, MACHINE: 12344; 4153750	EA		2									-15 4-30	46
									*	C733B	SHIM, 0.128 DIA X 0.003 INCH THICK; SAME AS C696B	EA		REF									-15 4-30	46A
									*	C733C	SHIM, 0.128 DIA X 0.005 INCH THICK; SAME AS C696C	EA		REF									-15 4-30	46B
									*	C733D	SHIM, 0.1201 DIA X 0.010 INCH THICK SAME AS C696D	EA		REF									-15 4-30	46C
									*	C734	NUT, SELFLOCKING: SAME AS C701	EA		REF									-15 4-30	48
			53056019080						F	C735	SCREW, TENSION ADJUSTING: SAME AS C702	EA		REF									-15 4-30	49
			74409265421						F	C736	SPRING, ACTUATOR: SAME AS C700	EA		REF									-15 4-30	47
			74400870439						F	C737 M	ARMATURE ASSEMBLY: SAME AS C697 M	EA		REF									-15 4-30	51

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS			
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
			74409716201						F	C738 M	SHIM ANTI RESIDUAL: SAME AS C703 M	EA									-15 4-30	50		
			74400878455						F	C739	LIMIT, ESCAPEMENT: SAME AS C705	EA									-15 4-30	54		

244.1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS			
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
			53050510840						*	C740	SCREW, MACHINE: SAME AS C706	EA									-15 4-30	52		
			53109338118						*	C740A	WASHER, LOCK: SAME AS B113F	EA									-15 4-30	53		
P	H		59500578140						F	C741	COIL FRAME ASSEMBLY: 12344; 319950	EA	1	1	2	3	1	2	3	2	-15 4-30	58		
			53050510840						*	C742	SCREW, MACHINE: SAME AS C706	EA									-15 40-30	55		
			74400878465						F	C743 M	BRACKET ACTUATOR LATCH: SAME AS C707 M	EA									-15 4-30	56		
P	H		74401578576						E	C745	LEVER ADJUST: 12344; 300070	EA	1	*	*	*	*	*	*	3	-15 4-30	60		
			53050546652						*	C746	SCREW, MACHINE: SAME AS A951 M	EA									-15 4-30	59		
			53050546656						*	C746A	SCREW, MACHINE: SAME AS C289A	EA									-15 4-30	40		
P	H		53652351005						E	C747 M	SPACER CAPSTAN ADJUST 12344; 300081	EA	1	*	*	*	*	*	*	3	-15 4-30	61		
X2	H		74409314748						F	C748	CLAMP ADJUSTING PLATE 12344; 300260	EA	1								-15 4-30	64		
P	H		74401520040						F	C751	SPACER,ADJUSTINGPLAIN 12344; 340631	EA	1	*	*	*	*	*	*	3	-15 4-30	65		

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN		
				MODEL										IND CD	(A)	(B)	(C)	(A)	(B)					(C)	
				1	2	3	4	5	6						1-5	6-10	11-20	1-5	6-10					11-20	
C	H							*	C752	SCREW, MACHINE: 12344; 4160300	EA												-15 4-30	62	
P	H		74400543422					E	C753 M	CAP COLLET PIN: 12344; 310640	EA		2	3	4	2	3	4				4	-15 4-30	66	
P	H		53159379653					E	C754 M	PIN COLLET: 12344; 300640	EA		2	3	4	2	3	4				5	-15 4-30	67	
			74402296573					E	C755A	CAPSTAN ASSEMBLY: 12344; 365630	EA		1	2	3	1	2	3				1	-15 4-30	68	
P	H		74408954024					E	C756	CLUT CH, DRIVE MECHANISM: 12344; 301201	EA		1	2	3	1	2	3				2	-15 4-30	70	
X2	H							E	C763	PLATE CAPSTAN ADJUST- ING: 12344; 300280	EA												-15 4-30	77	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN		
				MODEL										IND CD	(A)	(B)	(C)	(A)	(B)					(C)	
				1	2	3	4	5	6						1-5	6-10	11-20	1-5	6-10					11-20	
P	H		31108054728					E	C764	BEARING BALL: 40920; S6632TCHHMPB	EA		1	2	3	1	2	3				3	-15 4-30	78	
P	H		31107739554					E	C765	BEARING BALL: 40920; S6632FGHHMPB	EA		1	2	3	1	2	3				3	-15 4-30	79	
P	H		74401723638					E	C766	TUBE BEARING: 12344; 300511	EA		1	*	*	*	*	*				5	-15 4-30	81	
C	H		53057637822					*	C767 M	SCREW, MACHINE: 96906; MS51959-14	EA												-15 4-30	80	
P	H		74401686908					E	C768A	BUSHING, FLANGE: 12344; 349840	EA		2	3	3	1	2	3				5	-15 4-30	83	

246.1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H		31201828219						E	C769	BUSHING, SLEEVE: 12344; 349841	EA		2	1	2	3	1	2	3		4	-15 4-30	84	
X2	H								E	C770A	FRAME, CAPSTAN: 12344; 355622	EA		1									-15 4-30	85	
A	H	R	74409976207						D	C771	MECHANISM PUNCH: 12344; 330420	EA		1									-15 4-21	135	
C	H		53059887603						*	C772 M	SCREW, MACHINE: 96906; MS16995-27	EA		5									-15 4-21	133	
C	H		53106853744						*	C772AM	WASHER, FLAT: 88044; AN960C8	EA		37									-15 4-21	134A	
C	H		53105432739						*	C773 M	WASHER, LOCK: 96906; MS35333-72	EA		11									-15 4-21	134	
C	H								*	C774	SCREW HINGE: 12344; 304920	EA		2									-15 4-27	1	
P	H	T	74400192225						D	C775	BANK CLUTCH LOWER LEFT: 12344; 329891	EA		1	1	2	3	1	2	3		3	-15 4-27	4	
C	H		53059590382						*	C776 M	SCREW, MACHINE: 96906; MS16995-17	EA		27									-15 4-27	2	
			53106163555						*	C777 M	WASHER, LOCK: SAME AS C655 M	EA		REF									-15 4-27	3	
C	H		53057017659						F	C778	SCREW BRACKET ADJUSTING: 12344; 305300	EA		8									-15 4-28	1	
X2	D		74400543412						F	C779	LATCH ARMATURE: 12344; 300480	EA		10									-15 4-28	2	
X2	D		53409717610						F	C780	SLIM, ANTI, RESIDUAL: 12344; 300940	EA		10									-15 4-28	3	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			74409265421						F	C781	SPRING, ACTUATOR: SAME AS C700	EA		REF									-15 4-28	4	
									*	C782	NUT, SELFLOCKING: SAME AS C701	EA		REF									-15 4-28	5	
			53056019080						F	C783	SCREW, TENSION ADJUSTING: SAME AS C702	EA		REF									-15 4-28	6	
P	D		74400193067						F	C784	FRAME ASSEMBLY COIL: 12344; 327221	EA		1								2	-15 4-28	9.1	
			53050510840						*	C784A	SCREW, MACHINE: SAME AS C706	EA		REF									-15 4-28	7	
X1	D								G	C785A	COIL AND FRAME: 12344; 332833	EA		2									-15 4-28	9.2	
X1	D								G	C785B	CONNECTOR: 81312; M4PLSH9	EA		2									-15 4-28	4.1	
X2	D								F	C786	BRACKET, ESCAPEMENT: 12344; 300661	EA		1									-15 4-28	13.1	
C	D		53050516751						*	C787	SCREW, MACHINE: 96906; MS16995-16	EA		16									-15 4-28	10	
			53106163555						*	C788 M	WASHER, LOCK: SAME AS C655 M	EA		REF									-15 4-28	11	
X2	D		74400543415						F	C789	LIMIT, ARMATURE: 12344; 300722	EA		2									-15 4-28	16	
C	D		53050545644						*	C790	SCREW MACHINE: 96000; MS51917-11	EA		10									-15 4-28	14	
X2	D								F	C791	BRACKET SPRING: 12344; 300712	EA		1									-15 4-28	19.1	
C	D		53057702533						*	C792 M	SCREW, MACHINE: 96906; MS51959-13	EA		12									-15 4-28	17	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
A	D	R						F	C793	CLUTCH AND SLEEVE ASSEMBLY: 12344; 306150	EA		10							-15 4-28		
X2	D							G	C794	SPRING: 12344; 358950	EA		4							-15 4-28	24	
P	D		74400560130					G	C795	SPRING ASSEMBLY: 12344; 300400	EA		4					1		-15 4-28	23	
P	D		74400531321					G	C796	CONTROL SLEEVE ASSY: 12344; 300430	EA		4					1		-15 4-28	25	
C	D		53407217680					*	C797	RING, RETAINING: 79136; 5133-25MD	EA		18							-15 4-28	20	
P	D	0	74400543430					F	C798	GEAR-SHAFT: 12344; 322701	EA		1					1		-15 4-28	22.1	
C	D	0	53408450286					*	C799	RING RETAINING: 96906; MS16632-4031	EA		4							-15 4-28	21	
32	D	0	74400560133					F	C800	BUSHING: 12344; 308950	EA		7							-15 4-28	28	
X2	D		74400899386					F	C801	BRACKET BEARING: 12344; 300730	EA		8							-15 4-28	32	
			53059590382					*	C802 M	SCREW MACHINE: SAME AS C776 M	EA		REF							-15 4-28	30	
			53106163555					*	C803 M	WASHER LOCK: SAME AS C655 M	EA		REF							-15 4-28	31	
								*	C804A	WASHER THRUST: SAME AS C730A	EA		REF							-15 4-28	27	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53651786044					F	C805AM	SHIM, 0.253 DIA X 0.003 THICK: SAME AS C727A	EA		REF							-15 4-28	26	
			53651786045					F	C805RM	SHIM, 0.253 DIA X 0.005 THICK: SAME AS C670 M	EA		REF							-15 4-28	26.1	
			53651826731					F	C805CM	SHIM, 0.253 DIA X 0.010 THICK: SAME AS C727C	EA		REF							-15 4-28	26.2	
P	H	T	74400192247					F	C806	BANK CLUTCH UPPER LEFT: 12344; 329890	EA		REF	1	2	3	1	2	3	3	-15 4-27	7
			53059590382					*	C807 M	SCREW MACHINE: SAME AS C776 M	EA		REF								-15 4-27	5
			53106163555					*	C808 M	WASHER LOCK: SAME AS C655 M	EA		REF								-15 4-27	6
			53057017659					F	C809	SCREW BRACKET ADJUSTING: SAME AS C778	EA		REF								-15 4-28	1
			74400543412					F	C810	LATCH ARMATURE: SAME AS C779	EA		REF								-15 4-28	2
			53409717610					F	C811	SLIM, ANTI,RESIDUAL: SAME AS C780	EA		REF								-15 4-28	3
			74409265421					F	C812	SPRING, ACTUATOR: SAME AS C700	EA		REF								-15 4-28	4
								F	C813	NUT, SELFLOCKING: SAME AS C701	EA		REF								-15 4-28	5
			53056019080					F	C814	SCREW, TENSION ADJUSTING: SAME AS C702	EA		REF								-15 4-28	6

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		74400193055						F	C815	FRAME ASSEMBLY, COIL: 12344; 327220	EA		1						2	-15 4-28	9

250.1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
X2	D		53050510840						*	C816	SCREW, MACHINE: SAME AS C706	EA		REF							-15 4-28	7
									G	C816A	COIL AND FRAME: SAME AS C785A	EA		REF							-15 4-28	9.2
									G	C816B	CONNECTOR: SAME AS C785B	EA		REF							-15 4-27	4.1
									F	C817	BRACKET ESCAPEMENT: 12344; 300662	EA		1							-15 4-28	13
									*	C818	SCREW, MACHINE: SAME AS C787	EA		REF							-15 4-28	10
									*	C819 M	WASHER, LOCK: SAME AS C655 M	EA		REF							-15 4-28	11
									F	C820	LIMIT, ARMATURE: SAME AS C789	EA		REF							-15 4-28	16
X2	D		53050545644						*	C821	SCREW MACHINE: SAME AS C790	EA		REF							-15 4-28	14
									F	C822	BRACKET, SPRING: 12344; 300713	EA		1						-15 4-28	19	
									*	C823 M	SCREW, MACHINE: SAME AS C792 M	EA		REF						-15 4-28	17	
									F	C824	CLUTCH AND SLEEVE ASSEMBLY SAME AS C793	EA		REF						-15 4-28		
									G	C825	SPRING: SAME AS C794	EA		REF						-15 4-28	24	
									G	C826	SPRING ASSEMBLY: SAME AS C795	EA		REF						-15 4-28	23	
									G	C827	CONTROL SLEEVE ASSY: SAME AS C796	EA		REF						-15 4-28	25	

251

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)				
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN				
				1	2	3	4	5	6																			
P	D		53407217680						*	C828	RING,RETAINING: SAME AS C797	EA		REF										-15 4-28	20			
			74400543431						F	C829	GEAR AND SHAFT: 12344; 322702	EA		1										1	-15 4-28	22		
			53408450286							*	C830	RING RETAINING: SAME AS C799	EA		REF											-15 4-28	21	
			74400560133							F	C831	BUSHING: SAME AS C800	EA		REF												-15 4-28	28
			74400899386							F	C832	BRACKET BEARING: SAME AS C801	EA		REF												-15 4-28	32
			53059590382							*	C833 M	SCREW, MACHINE: SAME AS C776 M	EA		REF												-15 4-28	30
			53106163555							*	C834 M	WASHER, LOCK: SAME AS C655 M	EA		REF												-15 4-28	31
			53051786044							F	C835A	WASHER, THRUST: SAME AS C730A	EA		REF												-15 4-28	27
			53051786044							F	C836AM	SHIM, 0.253 DIA X 0.003 THICK: SAME AS C805AM	EA		REF												-15 4-28	26
			530S1786045							F	C836BM	SHIM, 0.253 DIA X 0.005 THICK: SAME AS C670 M	EA		REF												-15 4-28	26.1
53651826731							F	C836CM	SHIM, 0.253 DIA X 0.010 THICK: SAME AS C805CM	EA		REF												-15 4-28	26.2			
P	H	T	74400192248						E	C837	BANK CLUTCH LOWER RIGHT: 12344; 32981	EA		1	1	2	3	1	2	3				3	-15 4-27	10		
			53059590382						*	C836 M	SCREW MACHINE: SAME AS C776 M	EA		REF												-15 4-27	8	

252

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6																		
			53106163555						*	C839 M	WASHER LOCK: SAME AS C655 M	EA		REF												-15 4-27	9

252.1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	O	U											MODEL								IND CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					1-5	6-10	11-20	1-5	6-10	11-20		
			53057017659							F	C840	SCREW BRACKET ADJUSTING: SAME AS C778	EA										-15 4-28	1						
			74400543412							F	C841	LATCH ARMATURE: SAME AS C779	EA										-15 4-28	2						
			53409717610							F	C842	SLIM,ANTI,RESIDUAL: SAME AS C780	EA										-15 4-28	3						
			74409265421							F	C843	SPRING, ACTUATOR: SAME AS C700	EA										-15 4-28	4						
										*	C844	NUT, SELFLOCKING: SAME AS C701	EA										-15 4-28	5						
			53056019080							F	C845	SCREW, TENSION ADJUSTING: SAME AS C702	EA										-15 4-28	6						
P	D		74400193053							F	C846	FRAME ASSEMBLY COIL: 12344; 329871	EA		1						2		-15 4-28	8.1						
			53050510840							*	C847	SCREW, MACHINE: SAME AS C706	EA										-15 4-28	7						
X1	D									G	C847A	COIL AND FRAME: 12344; 332843	EA		2								-15 4-28	8.2						
X1	D									G	C847B	CONNECTOR: 81312; M7PLSH9	EA		2								-15 4-27	10.1						
X2	D									F	C848	BRACKET ESCAPEMENT: 12344: 300650	EA		1								-15 4-28	12.1						
			53050516751							*	C849	SCREW, MACHINE: SAME AS C787	EA										-15 4-28	10						
			53106163555							*	C850 M	WASHER, LOCK: SAME AS C655 M	EA										-15 4-28	11						

253

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	O	U											MODEL								IND CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					1-5	6-10	11-20	1-5	6-10	11-20		
X2	D		74400543414							F	C851	LIMIT ARMATURE: 12344: 300721	EA		2									-15 4-28	15					

253.1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6																	
X2	D		53050545644						*	C852	SCREW, MACHINE: SAME AS C790	EA											-15 4-28	14		
									F	C853	BRACKET SPRING: 12344: 300711	EA	1											-15 4-28	18.1	
			53057702533						*	C854 M	SCREW, MACHINE: SAME AS C792 M	EA												-15 4-28	17	
									F	C855	CLUTCH AND SLEEVE ASSEMBLY: SAME AS C793	EA													-15 4-28	
									G	C856	SPRING: SAME AS C794	EA													-15 4-28	24
			74400560130						G	C857	SPRING ASSEMBLY: SAME AS C795	EA													-15 4-28	23
			74400531321						G	C858	CONTACT SLEEVE ASSY: SAME AS C796	EA													-15 4-28	25
			53407217680						*	C859	RING, RETAINING: SAME AS C797	EA													-15 4-28	20
			74400543429						F	C860	GEAR AND SHAFT: 12344: 322700	EA	1												-15 4-28	22.3
			53408450286						*	C861	RING RETAINING: SAME AS C799	EA													-15 4-28	21
74400560133						F	C862	BUSHING: SAME AS C800	EA													-15 4-28	28			
74400899386						F	C863	BRACKET BEARING: SAME AS C801	EA													-15 4-28	32			

254

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6																		
P	H	T	53059590382						*	C864 M	SREW MACHINE: SAME; AS C776 M	EA												-15 4-28	30		
			53106163555						*	C865 M	WASHER, LOCK: SAME AS C655 M	EA													-15 4-28	31	
									F	C866A	WASHER, THRUST: SAME AS C730A	EA													-15 4-28	27	
			53651786044						F	C867AM	SHIM, 0.253 DIA, X 0.003 THICK: SAME AS C805AM	EA													-15 4-28	26	
			53651786045						F	C867BM	SHIM, 0.253 DIA X 0.005 THICK: SAME AS C670 M	EA													-15 4-28	26.1	
			53651826731						F	C867CM	SHIM, 0.253 DIA X 0.010 THICK: SAME AS C805CM	EA													-15 4-28	26.2	
			74400191721						E	C868	BANK CLUTCH UPPER RIGHT: 12344: 329880	EA	1	1	2	3	1	2	3		3				-15 4-27	13	
			53059590382						*	C869 M	SCREW, MACHINE: SAME: AS C776 M	EA														-15 4-27	11
			53106163555						*	C870 M	WASHER, LOCK: SAME AS C655 M	EA														-15 4-27	12
			53057017659						F	C871	SCREW BRACKET ADJUSTING: SAME AS C778	EA														-15 4-28	1
			74400543412						F	C872	LATCH ARMATURE: SAME AS C779	EA														-15 4-28	2
			53409717610						F	C873	SLIM, ANTI, RESIDUAL: SAME AS C780	EA														-15 4-28	3
			74409265421						F	C874	SPRING, ACTUATOR: SAME AS C700	EA														-15 4-28	4

255

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE								(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS	
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER		(3) DESCRIPTION									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
MODEL		IND	1	2	3	4	5	6	CD	(A) 1-5				(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.			(B) ITEM NO. OR REF DESIGN	
									*	C875	NUT,SELFLOCKING: SAME AS C701	EA		REF						-15 4-28	5		

255.1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE								(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER		(3) DESCRIPTION									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
MODEL		IND	1	2	3	4	5	6	CD	(A) 1-5				(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.			(B) ITEM NO. OR REF DESIGN		
P	D		53056019080						F	C876	SCREW, TENSION ADJUSTING: SAME AS C702	EA		REF						-15 4-28	6			
			74400193054						F	C877	FRAME ASSEMBLY,COIL 12344; 329870	EA		1					2	-15 4-28	8			
			53050516840						*	C878	SCREW, MACHINE: SAME AS C706	EA			REF						-15 4-28	7		
										G	C878A	COIL AND FRAME: SAME AS C847A	EA			REF					-15 4-28	8.2		
										G	C878B	CONNECTOR: SAME AS C847B	EA			REF						-15 4-27	10.1	
										F	C879	BRACKET, ESCAPEMENT: 12344; 325370	EA			1						-15 4-28	12	
						53050516751					*	C880	SCREW, MACHINE: SAME AS C787	EA			REF						-15 4-28	10
						53106163555					*	C881 M	WASHER, LOCK: SAME AS C655 M	EA			REF						-15 4-28	11
						74400543414					F	C882	LIMIT ARMATURE: SAME AS C851	EA			REF						-15 4-28	15
						53050545644					*	C883	SCREW, MACHINE: SAME AS C790	EA			REF						-15 4-28	14
			X2	D							F	C884	BRACKET SPRING: 12344; 325350	EA			1							-15 4-28	18
53057702533								*	C885 M	SCREW, MACHINE: SAME AS C792 M	EA			REF							-15 4-28	17		
								F	C886	CLUTCH AND SLEEVE ASSEMBLY: SAME AS C793	EA			REF							-15 4-28			
							G	C887	SPRING: SAME AS C794	EA			REF							-15 4-28	24			

256

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
P D X2 D			74400560130						G	C888	SPRING ASSEMBLY: SAME AS C795	EA									-15 4-28	23		
			74400531321						G	C889	CONTACT SLEEVE ASSY: SAME AS C796	EA										-15 4-28	25	
			53407217680						*	C890	RING, RETAINING: SAME AS C797	EA										-15 4-28	20	
			74400191976						F	C891	GEAR-SHAFT: 12344: 322704	EA			1					1			-15 4-28	22.2
			53408450286						*	C892	RING, RETAINING: SAME AS C799	EA											-15 4-28	21
									F	C893	BUSHING: 12344; 308951	EA			1								-15 4-28	29
									F	C894	BUSHING: SAME AS C800	EA											-15 4-28	28
									F	C895	BRACKET BEARING: SAME AS C801	EA											-15 4-28	32
									*	C896 M	SCREW, MACHINE: SAME AS C776 M	EA											-15 4-28	30
									*	C897 M	WASHER LOCK: SAME AS C655 M	EA											-15 4-28	31
									F	C898A	WASHER, THRUST: SAME AS C730A	EA											-15 4-28	27
									F	C899AM	SHIM, 0.253 DIA X 0.003 THICK SAME AS C805AM	EA											-15 4-28	26
								F	C899BM	SHIM, 0.253 DIA X 0.005 THICK: SAME AS C670 M	EA											-15 4-20	26.1	

257

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			53651026731						F	C899CM	SHIM, 0.253 DIA X 0.010 THICK: SAME AS C805CM	EA										-15 4-28	26.2

257.1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)						
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)				
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20				
P	H		74404723997						E	C900	BRACKET: 12344; 300580	EA		1	*	*	*	*	*	*		3	-15 4-27	18		
			53059590382						*	C901 M	SCREW, MACHINE: SAME AS C776 M	EA		REF										-15 4-27	14	
			53106163555						*	C902 M	WASHER, LOCK: SAME AS C655 M	EA		REF											-15 4-27	15
X2	H		74400560164						E	C903	SPACER, CONTACT: 12344; 301040	EA		2											-15 4-27	19
X2	H								E	C903A	SPLASH GUARD: 06809; 01-003337-001	EA		1											-15 4-27	21.2
P	H	R	74401 686912						E	C904	CONTACT BIT ECHO: 12344; 329790	EA		1	*	*	*	*	*	*		2	-15 4-27	22		
			53059590382						*	C905 M	SCREW, MACHINE: SAME AS C776 M	EA		REF											-15 4-27	20
			53106163555						*	C906 M	WASHER; LOCK: SAME AS C655 M	EA		REF											-15 4-27	21
C	H		53105319514						*	C906AM	WASHER; FLAT: 88044; AN960C6	EA		82											-15 44-27	21.1
			53050545647						*	C907AM	SCREW, MACHINE: SAME AS C694AM	EA		REF											-15 4-27	16
			53109338118						*	C908A	WASHER, LOCK, S PLIT: SAME AS B113F	EA		REF											-15 4-27	17
C	H								*	C908BM	WASHER, FLAT: 96906; MS15795-803	EA		6											-15 4-27	17.1
P	H		59357633480						F	C909A	HOOD, CONNECTOR: 81312; M10PLSH19	EA		1	1	2	3	1	2	3		3	-15 4-27	22.3		
P	H		74408954092						F	C910	CONTACT, FIXED: 12344; 325611	EA		1	1	2	3	1	2	3		3	-15 4-27	22.2		
P	H		74408954044						F	C911	CONTACT, MOVABLE 12344; 325340	EA		1	1	2	3	1	2	3		3	-15 4-27	22.1		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)						
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)				
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20				
X2	H								E	C912	COVER, SWITCH: 12344; 330010	EA		1											-15 4-27	23
P	H		59309516451						E	C913	SWITCH, SENSITIVE: 91929; 3SX1T	EA		1	1	2	3	1	2	3		3	-15 4-27	26		
C	H		53050545638						*	C914	SCREW, MACHINE: 96906; MS51957-4	EA		2											-15 4-27	24
			53109282690						*	C915AM	WASHER LOCK: SAME AS C316 M	EA		REF											-15 4-27	25
P	H		59309323586						E	C916	ACTUATOR, SWITCH: 12344; 333610	EA		1	1	2	3	1	2	3		3	-15 4-27	27		
X2	H								E	C917	PLATE, MOUNTING: 12344; 330000	EA		1											-15 4-27	30
			53050545647						*	C918 M	SCREW, MACHINE: SAME AS C694AM	EA		REF											-15 4-27	28
			53105503715						*	C919	WASHER, LOCK: SAME AS C693	EA		REF											-15 4-27	29
			53105319514						*	C919AM	WASHER, FLAT: SAME AS C906AM	EA		REF											-15 4-27	29.1
X2	H								E	C920	SPACER, MOUNTING: 12344; 330230	EA		3											-15 4-27	31
X2	H								E	C921A	SPRING, TAPE WIDTH: 12344; 4094415	EA		1											-15 4-27	34
M	H		53309902869						E	C922	GASKET PIVOT PIN: 12344; 333550	EA		1											-15 4-27	35
X2	H		74408954053						E	C923	PIN PIVOT: 12344; 330190	EA		1											-15 4-27	36

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
C	H		53105956211					*	C924	WASHER, FLAT: 969015; MS15795-303	EA		3								-15 4-27	33		
C	H		53400646279					*	C925	RING, RETAINING: 96906; MS90707-4009	EA		1								-15 4-27	32		
X2	H		74408987160					E	C926	ARM TAPE WIDTH: 12344; 324960	EA		1								-15 4-27	37		
X2	H							E	C927	BRACKET, LEVER ASSY: 12344; 331860	EA		1								-15 4-27			
C	H		53059590379						C928A	SCREW MACHINE: 96906; MS16995-10	EA		4								-15 4-27	38		
			53109338118					*	C929A	WASHER LOCK SPLIT: SAME AS B113F	EA		REF								-15 4-27	39		
								*	C929BM	WASHER, FLAT: SAME AS C908BM	EA		REF								-15 4-27	39.1		
X2	H							F	C929C	BRACKET: 12344; 329990	EA		1								-15 4-27	44		
X2	H							F	C929D	LEVER: 12344; 329980	EA		1								-15 4-27	43		
C	H		53409577776					*	C929E	RING, RETAINING: 7913b; 5555G9MD	EA		4								-15 4-27	41		
C	H							*	C929F	SCREW. MACHINE: 12344; 304260	EA		1								-15 4-27	40		
X2	H		53409015033					F	C929G	SPRING, TORSION: 84830; LC022C3	EA		1								-15 4-27	42		
P	H		74404978788					E	C935	INSERT, LEVER, TAPE ASSEMBLY: 12344; 331850	EA		1	*	*	*	*	*	*		3	-15 4-27		
C	H		53057017695					*	C936	SCREW MACHINE: 12344; 4153800	EA		2								-15 4-27	45		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
C	H							*	C937 M	WASHER, SPRING, D: 12344; 4179210	EA		1								-15 4-27	47		
X2	H		74408515113					F	C938 M	LEVER ASSEMBLY: 12344; 330160	EA		1								-15 4-27	48		
			53409577776					*	C939 M	RING, RETAINING: SAME AS C929E	EA		REF								-15 4-27	46		
P	H		74400193017					F	C940	INSERT GUIDANCE: 12344; 329930	EA		1	1	2	3	1	2	3		1	-15 4-27	49	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL	IND	CD	DESCRIPTION	(A)	(B)				(C)	(A)	(B)	(C)	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN					
								1	2				3	4	5	6					1-5	6-10	11-20
X2	H							E	C941	PLATE OIL CHAMBER: 12344; 319090	EA		1									-15	
P	H		53050546650					*	C942 M	SCREW, MACHINE: 96906; MS51957-26	EA		18	*	*	*	*	*	*		18	-15	52
			53106163555					*	C943 M	WASHER, LOCK: SAME AS C655 M	EA		REF									-15	50
X2	H							E	C944	BAFFLE CONTROL: 12344; 332010	EA		1									-15	51
A	H	R						E	C945 M	CABLE ASSEMBLY MECHANISM: 12344; 331840	EA		1									-15	59
P	H		59407937286					F	C946A	CONTACT ELECTRICAL: 00779; 41663	EA		85	2	4	6	2	4	6		36	-15	
P	H		59308187799					F	C947AM	SWITCH, MICRO: 91929; 11SM23T	EA		3	1	2	3	1	2	3		3	-15	2
			5305054S639					*	C947B	SCREW, MACHINE: SAME AS C314	EA		REF									-15	1
			53102860559					*	C947CM	WASHER, FLAT SAME AS C315 M	EA		REF									-15	97
C	H		53105434652					*	C947D	WASHER, LOCK: 96906; MS35333-69	EA		4									-15	9BA
C	H							F	C948 M	TERMINAL LUG: 12344; 4110300	EA		1									-15	98
X2	H							*	C949	SPACER: 12344; 145043	EA		2									-15	10
			53050546651					*	C950A	SCREW, MACHINE: SAME AS A946C	EA		REF									-15	55
			53050546655					*	C951 M	SCREW, MACHINE: SAME AS C324 M	EA		REF									-15	56
											EA											-15	53

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL	IND	CD	DESCRIPTION	(A)	(B)				(C)	(A)	(B)	(C)	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN					
								1	2				3	4	5	6					1-5	6-10	11-20
C	H		53108839385					*	C952	WASHER, LOCK: 96906; MS35338-155	EA		4									-15	
																						4-27	54, 57

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	O	U											MODEL								IND CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					1-5	6-10	11-20	1-5	6-10	11-20		
			53105319514						*	C953AM	WASHER, LOCK: SAME AS C906AM	EA												-15 4-27	54.1					
			53050545648						*	C9530M	SCREW, MACHINE: SAME AS C691AM	EA												-15 4-27	54.2					
			53109338118						*	C953C	WASHER, LOCK. SPLIT: SAME AS B113F	EA												-15 4-27	54.3					
X2	H								F	C954A	PLATE, MOUNTING: 12344; 393910	EA		1										-15 4-29	3					
X2	H								F	C955A	CONNECTOR ASSEMBLY: 12344; 394040	EA		1										-15 4-29	4					
			53050545648						*	C955BM	SCREW, MACHINE: SAME AS C691AM	EA												-15 4-29	12					
C	H		53050545646						*	C955C	SCREW, MACHINE: 96906; MS51957-12	EA		2										-15 4-29	11					
			53109338118						*	C955D	WASHER, LOCK. SPLIT: SAME AS B113F	EA												-15 4-29	13					
P	H		59355498225						F	C956 M	CONNECTOR, RECEPTACLE: ELECTRICAL: 81312; M4SLRN	EA	2	1	1	2	1	1	2		6			-15 4-29	5					
X2	H								F	C957 M	PLATE, MOUNTING, LEFT: 12344; 300860	EA		1										-15 4-29	6					
P	H		59352582920						F	C958 M	CONNECTOR, RECEPTACLE: ELECTRICAL: 81312; M7SLRN	EA	2	1	1	2	1	1	2		6			-15 4-29	7					
P	H		59359737852						F	C959 M	CONNECTOR. RECEPTACLE. ELECTRICAL: 81312; M10SLRN	EA	1	1	1	2	1	1	2		3			-15 4-29	8					
X2	H								F	C960 M	PLATE MOUNTING RIGHT: 12344; 327300	EA		1										-15 4-29	9					

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	O	U											MODEL								IND CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					1-5	6-10	11-20	1-5	6-10	11-20		
P	H		53406865925						E	C961	SHIM, 0.010 THICK: 12344; 309792	EA		1	*	*	*	*	*	*				5	-15 4-27	62.3				
P	H		53406865918						E	C962	SHIM, 0.005 THICK: 12344; 309791	EA		1	*	*	*	*	*	*				5	-15 4-27	62.2				
P	H		53406865911						E	C963	SHIM, 0.003 THICK: 12344; 309790	EA		1	*	*	*	*	*	*				5	-15 4-27	62.1				

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)									
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)							
S	M	R											MODEL								IND	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6												CD	1-5	6-10	11-20	1-5	6-10	11-20
D	C	E	DESCRIPTION																										
P	H		74408987103						E	C964	SHAFT PIVOT: 12344; 300760	EA		1	*	*	*	*	*	*		3	-15						
C	H		53056381836						*	C965	SETSCREW: 88044; AN56SA2H4	EA		1									4-27	61					
P	H		53659808163						E	C866	SHIM,0.002 THICK: 12344; 365600	EA		10	*	*	*	*	*	*		50	-15						
P	H		74408987020						E	C967	GEAR, PUNCH, DRIVE: 12344; 300410	EA		10	1	2	3	1	2	3		10	-15						
X2	H								E	C968	FRAME MAIN: 12344; 325330	EA		1									-15						
C	H		5305981082							C969 M	SCREW, MACHINE: 96906; MS16995-18	EA		9									-15						
			53106163555						*	C970 M	WASHER, LOCK: SAME AS 0655 M	EA		REF									-15						
X2	H								E	C971	COVER, PLATE: 12344; 317510	EA		1									-15						
C	H		53057642966						*	C872 M	SCREW, MACHINE: 96906; MS51959-2	EA		6									-15						
M	H								E	C973 M	GASKET, COVER, PLATE: 12344; 317820	EA		1									-15						
P	H	T	74400192949						E	C974	HEAD, PUNCH, ASSY: 12344; 325480	EA		1	*	*	*	1	1	2		3	-15						
C	D								*	C974A	SCREW, MACHINE: 12344; 4154225	EA		2									-15						
X2	D								F	C975	PLATE STRIPPER: 12344; 325460	EA		1									-15						
																							-15	77					

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)									
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)							
S	M	R											MODEL								IND	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6												CD	1-5	6-10	11-20	1-5	6-10	11-20
D	C	E	DESCRIPTION																										
X2	D								F	C976	DOWEL PIN: 12344; 300390	EA		2									-15						
X2	D								F	C977	BLOCK SPACER: 12344; 317430	EA		1									-15						
X2	D								F	C978	PLATE GUIDE: 12344; 325450	EA		1									-15						
X2	D								*	C979	SCREW, MACHINE: 12344; 4155300	EA		2									-15						
C	D									C979A	WASHER, LOCK: 12344; 300521	EA		2									-15						
X2	D								F	C980	PUNCH-DRIVE ASSY: 12344; 300521	EA		9									-15						
X2	D								F	C984	DRIVE PUNCH ASSY: 12344; 300522	EA		1									-15						
X2	D								F	C988	PLATE, DIE: 12344; 325470	EA		1									-15						
C	D								*	C989	SCREW, MACHINE: 12344; 4155600	EA		1									-15						
P	D								*	C989A	SCREW, MACHINE: 123441400617-27	EA		1								10	-15						
P	D		53105432410						*	C989B	WASHER: LOCK 96906; MS35338-40	EA		10									-15						
P	H		74400560135						E	C992	BUSHING, CHADAUGER: 12344; 307460	EA		1	1	2	3	1	2	3		1	-15						
X2	H		74400098710						E	C993	DECK TAPE: 12344; 300360	EA		1									-15						
																							-15	83					

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6												
C	H		53105956211						*	C994	EA	REF									-15									
									*	C994	EA	REF									4-27	81								
C	H		53100637415						*	C995	EA	1									-15									
									*	C995	EA	1									4-27	80								
C	H								*	C996	EA	1									-15									
									*	C996	EA	1									4-27	82								
C	H								D	C999	EA	2									-15									
									D	C999	EA	2									4-21	92								
			53105319514						*	D001 M	EA	REF									-15									
									*	D001 M	EA	REF									4-21	90								
			53050546652						*	D002	EA	REF									-15									
									*	D002	EA	REF									4-21	89								
C	H								D	D003A	EA	24									-15									
									D	D003A	EA	24									4-21	91								
C	H								D	D004A	EA	1									-15									
									D	D004A	EA	1									4-21	71								
			53106163555						*	D005 M	EA	REF									-15									
									*	D005 M	EA	REF									4-21	70A								
			53050546652						*	D006	EA	REF									-15									
									*	D006	EA	REF									4-21	69								
			53105319514						*	D006A M	EA	REF									-15									
									*	D006A M	EA	REF									4-21	70								

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6													CD	1-5	6-10	11-20	1-5	6-10	11-20
P	H								D	D008	EA	1	*	*	*	*	*	*			5	-15								
									D	D008	EA	1	*	*	*	*	*	*			4-21	67								
X2	H		74400543411						D	D009	EA	1									-15									
									*	D010A	EA	1									4-21	66								
									*	D010A	EA	1									-15									
									*	D010A	EA	1									4-21	65								
			53106326721						*	D010B	EA	REF									-15									
									*	D010B	EA	REF									4-21	65A								
			53105503715						*	D010C	EA	REF									-15									
									*	D010C	EA	REF									4-21	65B								
X2	H		74400224494						D	D011	EA	1									-15									
									D	D011	EA	1									4-21	64								
P	H		74400543440						D	D012	EA	1	1	2	3	1	2	3			1	-15								
									D	D012	EA	1	1	2	3	1	2	3			4-21	63								
X2	H								D	D013	EA	1									-15									
									D	D013	EA	1									4-21	62								
C	H		53050685276						*	D014 M	EA	3									-15									
									*	D014 M	EA	3									4-21	60								
									*	D014A	EA	REF									-15									
									*	D014A	EA	REF									4-21	60A								
			53105503715						*	D015	EA	REF									-15									
									*	D015	EA	REF									4-21	61								
P	H	R	74401686911						D	D016	EA	1	1	2	3	1	2	3			2	-15								
									D	D016	EA	1	1	2	3	1	2	3			4-21	30								
X2	H								E	D0017	EA	1									-15									
									E	D0017	EA	1									4-24	16								

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											FEDERAL STOCK NUMBER	IND							DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN	
O	A	E												1	2	3	4	5												6	CD	1-5	6-10	11-20	1-5	6-10	11-20
X2	H								E	D018	LID, HOUSING: 12344; 329080	EA													-15 4-24	15				

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											FEDERAL STOCK NUMBER	IND							DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN	
O	A	E												1	2	3	4	5												6	CD	1-5	6-10	11-20	1-5	6-10	11-20
X2	H		53150577797						E	D019	PIN HINGE LID: 12344; 329260	EA														-15 4-24	14			
P	H		74409893623						E	D020B	CARD LAMP MOUNTING 12344; 8533594	EA	1	2	3	1	2	3		3						-15 4-24	12			
P	H		74409893627						E	D023A	CARD SENSOR MOUNTING: 12344; 832637	EA	1	2	3	1	2	3		3						-15 4-24	13			
X2	H		74408953973						E	D026	CAPSTAN SENSITIVE UNIT: 12344; 325110	EA														-15 4-24	11			
X2	H		74400543435						E	D027	SHAFT CAPST AN: 12344; 329000	EA														-15 4-24	10			
			53409577776						E	D028 M	RING, RETAINING: SAME 45 C929E	EA														-15 4-24	6			
X2	H		74408987026						E	D029	SPRING: 12344; 329100	EA														-15 4-24	7			
X2	H		74408987148						E	D030	SPRING RETAINER: 12344; 329090	EA														-15 4-24	8			
			59407937286						E	D031 M	CONTACT ELECTRICAL: SAME AS C946A	EA														-15 4-24	5			
X2	H		53406865929						E	D032	SHIM, 0.0015 THICK: 12344; 309793	EA														-15 4-24	9			
P	H		53404062316						E	D033	CLIP, SPLIT: 12344; 347760	EA	1	*	*	*	*	*	*		5					-15 4-24	4			
X2	H								E	D034A	TAPE, BLADE: 12344; 374970	EA														-15 4-24	3			
P	H		74401520054						E	D034B	COVER, DUST: 12344; 394220	EA	1	*	*	*	*	*	*		5					-15 4-24	2			
C	H								E	D034C	SHEATHING: 12344; 396130	EA														-15 4-24	1			

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
X2	H		74409893615						D	D035	HOLDDOWN TAPE MOTION SUB: 12344: 328990	EA	2										-15 4-21	29	
			53059590379						*	D036 M	SCREW, MACHINE: SAME; AS C928A	EA	REF										-15 4-21	27	
			53109338118						*	D037A	WASHER, LOCK SPLIT: SAMEAS B113F	EA	REF										-15 4-21	26	
P	H		59401862530						D	D038	TERIMINAL, BOARD: 71785: 6-140	EA	1	1	2	3	1	2	3		3		-15 4-21	169	
			53050546654						*	D039-M	SCREW, MACHINE: SAME AS C373 M	EA	REF										-15 4-21	167	
			53105319514						*	D039A M	WASHER, FLAT: SAME AS C906A-M	EA	REF										-15 4-21	168A	
			53106163555						*	D040 M	WASHER, LOCK: SAME AS C655 M	EA	REF										-15 4-21	168	
X2	H								D	D041 M	BLOCK, CONNECTOR: 02660: 480065-3	EA	1										-15 4-21	36	
			53050546671						*	D042AM	SCREW, MACHINE: SAME AS C393 M	EA	REF										-15 4-21	33	
			53106853744						*	D043AM	WASHER, FLAT: SAME AS C772AM	EA	REF										-15 4-21	34	
C	H								*	D044	NUT, HEXAGON: 12344: 4173250	EA	6										-15 4-21	35	
X2	H								D	D045A	BRACKET, MOUNTING: 12344: 376910	EA	1										-15 4-21	39	
C	H								D	D046 M	SCREW, MACHINE: 96906: MS51959-30	EA	21										-15 4-21	37	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H	R	74409987036						*	D047A	NUT: SAME AS D003A	EA											-15 4-21	38	
									D	D048M	CIRCUIT CARD ASSY: 12344: 890050	EA	1	1	2	3	1	2	3		3		-15 4-21	32	
									*	D049 M	SCREW, MACHINE: SAME AS D046 M	EA	REF										-15 4-21	31	
X1	H								E	D050	PRINTED CIRCUIT BOARD: 12344: 903450	EA											-15 4-25	17	
X2	H								*	D051	STANDOFF: 12344: 321011	EA	4										-15 4-25	15	
			53050546650						*	D052M	SCREW, MACHINE: SAME AS C942 M	EA	REF										-15 4-25	12	
			53105389857						*	D053	WASHER, FLAT: SAME AS A952	EA	REF										-15 4-25		
			53106163555						*	D053AM	WASHER LOCK: SAME AS C655 M	EA	REF	1	2	3	1	2	3		3		-15 4-25	13	
P	H		59618923361						E	D054	SEMI-CONDUCTOR DEVICE, DIODE: 81349: 1N750A	EA	2	1	2	3	1	2	3		3		-15 4-25	4	
			59618923361						E	D054A	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D054	EA	REF										-15 4-25	4	
P	H		59108215215						E	D055C	CAPACITOR: 71590: 2DDH60I471K	EA	1	1	2	3	1	2	3		3		-15 4-25	2	
P	H		59618377262						E	D056 M	TRANSISTOR: 814349: 2N697	EA	2	1	2	3	1	2	3		6		-15 4-23	2	
			59618377262						E	D057	TRANSISTOR: SAME AS D066 M	EA	REF										-15 4-25	2	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H		59619305325						E	D0S5A	TRANSISTOR: 80131; 2N3565	EA	1	1	2	3	1	2	3		3	-15 4-25	1		

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H		59056832242						E	D059A	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF20 3J	EA	2	1	2	3	1	2	3		3	-15 4-25	5		
P	H		59056864530						E	D060	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF104K	EA	1	1	2	3	1	2	3		3	-15 4-25	7		
P	H		59058110673						E	D061	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF682K	EA	1	1	2	3	1	2	3		3	-15 4-25	6		
P	H		59056837721						E	D062	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF101K	EA	1	1	2	3	1	2	3		3	-15 4-25	8		
P	H		59057523340						E	D063 M	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF472K	EA	1	1	2	3	1	2	3		6	-15 4-25	9		
P	H		59051711997						E	D065A	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF331K	EA	1	1	2	3	1	2	3		3	-15 4-25	10		
P	H		59051956806						E	D066A	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF102K	EA	2	1	2	3	1	2	3		3	-15 4-25	11		
C	H								E	D067	TERMINAL PIN: 71279; 2186-2	EA	84									-15 4-25	16		
A	H	R							D	D068	CONNECTOR ASSEMBLY: 12344; 332320	EA	1									-15 4-21	73.1		

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20				
			53050546651					*	D069A	SCREW, MACHINE: SAME AS A946C	EA	REF											-15		
			53106163555					*	D070AM	WASHER, LOCK: SAME AS C655 H	EA	REF											4-21	72	
X2	H							E	D0271	BRACKET ELECTRICAL CONNECTOR: 12344; 330621	EA	1											4-21	73	
P	H		59359310386					E	D072B	CONNECTOR, PLUG, ELECTRICAL: 95238; 250-26-16PGDSP	EA	1	1	1	1	1	1	1	3				4-21	75	
			59407937286					E	D0273 M	CONTACT, ELECTRICAL: SAME AS C946A	EA	REF											-15		
			59308187799					E	D273A	SWITCH, MICRO: SAME AS C947AM	EA	REF											4-21	74	
A	H	R						D	D274	NETWORK RESISTANCE- CAPACITANCE ASSEMBLY: 12344; 331500	EA	1											4-21	121	
C	H		53057640068					*	D075	SCREW, MACHINE: 96906; MS51959-45	EA	10											-15		
X2	H							E	D077	BRACKET MOUNTING: 12344; 376670	EA	1											-15		
P	H		59109542218					E	D078B	CAPACITOR: 00656; APH 2-06-20	EA	11	1	2	3	1	2	3	33				4-26	18	
			59109542218					E	D079B	CAPACITOR: SAME AS D078B	EA	REF											4-26	16	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20				
			59109542218					E	D080B	CAPACITOR: SAME AS D078B	EA	REF											-15		
			59109542218					E	D081B	CAPACITOR: SAME AS D078B	EA	REF											4-26	16	
			59109542218					E	D082B	CAPACITOR: SAME AS D078B	EA	REF											4-26	16	
			59109542218					E	D083B	CAPACITOR: SAME AS D078B	EA	REF											-15		
			59109542218					E	D084B	CAPACITOR: SAME AS D0788	EA	REF											4-26	16	
			59109542218					E	D085B	CAPACITOR: SAME AS D078B	EA	REF											-15		
			59109542218					E	D086B	CAPACITOR: SAME AS D078B	EA	REF											4-26	16	
			59109542218					E	D087B	CAPACITOR: SAME AS D078B	EA	REF											-15		
			59109542218					E	D088B	CAPACITOR: SAME AS D078B	EA	REF											4-26	16	
C	H							E	D090A	CLAMP LOOP: 12344; 4097905	EA	3											-15		
X2	H							E	D091	STANDOFF RESISTOR BOARD: 12344; 321010	EA	4											4-26	11,12	
																							4-26	3	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN		
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20						
				1	2	3	4	5	6												IND CD	DESCRIPTION		
P	H	R	74409893628						E	D092 M	CIRCUIT CARD ASSY: 12344: 833070	EA		1	1	2	3	1	2	3		3	-15 4-26	6
X1	H								F	D093	PRINTED CIRCUIT BOARD: 12344: 903090	EA		1									-15 4-26	6.1
P	H		59059751144						F	D094 M	RESISTOR, FIXED, WIREWOUND: 81249; RW57G510	EA		11	2	4	6	2	4	6		33	-15 4-26	5
			59059751144						F	D095 M	RESISTOR, FIXED, WIREWOUND: SAME AS D094 M	EA		REF									-15 4-26	5
			59059751144						F	D096 H	RESISTOR, FIXED, WIREWOUND: SAME AS D094 M	EA		REF									-15 4-26	5
			59059751144						F	D097 H	RESISTOR, FIXED, WIREWOUND: SAME AS D094 M	EA		REF									-15 4-26	5
			59059751144						F	D098 H	RESISTOR, FIXED, WIREWOUND: SAME AS D094 H	EA		REF									-15 4-26	5
			59059751144						F	D099 H	RESISTOR, FIXED, WIREWOUND: SAME AS D094 H	EA		REF									-15 4-26	5
			59059751144						F	D100 H	RESISTOR, FIXED, WIREWOUND: SAME AS D094 M	EA		REF									-15 4-26	5
			59059751144						F	D101 M	RESISTOR, FIXED, WIREWOUND: SAME AS D094 H	EA		REF									-15 4-26	5

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN		
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20						
				1	2	3	4	5	6												IND CD	DESCRIPTION		
			59059751144						F	D102 M	RESISTOR, FIXED, WIREWOUND: SAME AS D094 M	EA		REF									-15 4-26	5
			59059751144						F	D013 H	RESISTOR, FIXED, WIREWOUND; SAME AS D094 M	EA		REF									-15 4-26	5
			59059751144						F	D104 H	RESISTOR, FIXED, WIREWOUND: SAME AS D094 M	EA		REF									-15 4-26	5
P	H		59619246981						F	D105 H	SEMI-CONDUCTOR DEVICE, DIODE: 81349; IN4245 M	EA		12	2	4	6	2	4	6		36	-15 4-26	4
			59619246981						F	D106 H	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D105 M	EA		REF									-15 4-26	4
			59619246981						F	D107 H	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D105 M	EA		REF									-15 4-26	4
			59619246981						F	D108 M	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D105 M	EA		REF									-15 4-26	4
			59619246981						F	D109 H	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D105 M	EA		REF									-15 4-26	4
			59619246981						F	D110 M	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D105 M	EA		REF									-15 4-26	4
			59619246981						F	D111 M	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D105 M	EA		REF									-15 4-26	4

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6													CD	1-5	6-10	11-20	1-5	6-10	11-20
			596192469851						F	D112 M	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D105 M	EA	REF											-15 4-26	4					
			59619246981						F	D113 M	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D105 M	EA	REF											-15 4-26	4					
			59619246981						F	D114 M	SEMI-CONDUCTOR DE-VICE, DIODE: SAME AS D105 M	EA	REF											-15 4-26	4					
			59619246981						F	D115 M	SEMI-CONDUCTOR DE-VICE, DIODE: SAME AS D105 M	EA	REF											-15 4-26	4					
			59615246981						F	D116 M	SEMI-CONDUCTOR DE-VICE, DIODE: SAME AS D105 M	EA	REF											-15 4-26	4					
									F	D117	TERMINAL PIN: SAME AS D067	EA	REF											-15 4-26	6.2					
X2	H		59106440287						E	D118	MOUNTING CAPACITOR: 06124: BP4	EA	11											-15 4-26	17					
			53050546654						*	D119A	SCREW, MACHINE: SAME AS C373 M	EA	REF											-15 4-26	1.13					
									*	D120 M	NUT, HEXAGON: SAME AS D003A	EA	REF											-15 4-26	10.15					
			53050546652						*	D121	SCREW, MACHINE: SAME AS A951 M	EA	REF											-15 4-26	7					
			53106389857						*	D122	WASHER, FLAT: SAME AS A952	EA	REF											-15 4-26	8					

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6													CD	1-5	6-10	11-20	1-5	6-10	11-20
			53106163555						*	D123 M	WASHER, LOCK: SAME AS C 655 M	EA	REF											-15 4-26	2,9,14					
X2	H								D	D124	BRACKET SLIDE: 12344: 341820	EA	1											-15 4-21	118					
									*	D125A	NUT, HEXAGON: SAME AS D003A	EA	REF											-15 4-21	117					
C	H		53057640068						*	D126A	SCREW, MACHINE: SAME AS D075	EA	3											-15 4-21	114					
									*	D127 M	SCREW, MACHINE: SAME AS D046 M	EA	REF											-15 4-21	116					
									*	D128 M	NUT, PLAIN, HEXAGON: SAME AS D044	EA	REF											-15 4-21	115					
P	H		59101029271						D	D129A	CAPACITOR: 93201; 35F489RA	EA	1	1	2	3	1	2	3		3			-15 4-21	111					
X2	H		53405762157						D	D130	CLAMP CAPACITOR: 96906: MS21919DG23	EA	1											-15 4-21	110					
C	H		53050711312						*	D131A	SCREW, MACHINE: 96906: MS51959-32	EA	7											-15 4-21	108					
									*	D132A	NUT, HEXAGON: SAME AS D003A	EA	REF											-15 4-21	109					
X2	H								D	D133 M	ADAPTER CONNECTOR: 76055; PSUA	EA	2											-15 4-21	109A					
P	H		59459288231						D	D134	RELAY SOLENOID: 77523; 91252-56	EA	1	1	2	3	1	2	3		3			-15 4-21	107					

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW. BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53050546651					*	D135 M	SCREW, MACHINE: SAME AS A946C	EA	REF									-15	
			53106163555					*	D136 M	WASHER, LOCK: SAME AS C655 M	EA	REF									4-21	105
M	H							D	D137 M	CONNECTOR ASSEMBLY: 12344: 332311	EA	1									4-21	106
			53050546651					*	D138A	SCREW, MACHINE: SAME AS A946C	EA	REF									-15	81.4
			53106163555					*	D139AM	WASHER, LOCK: SAME AS C655 M	EA	REF									4-21	79
C	H							*	D140AM	WASHER, LOCK: 96906: M335335-58	EA	REF						3			4-21	80
			53050546654					*	D141A	SCREW, MACHINE: SAME AS C373 M	EA	REF									-15	80C
			53105319514					*	D142AM	WASHER, FLAT: SAME AS C906AM	EA	REF									4-21	80A
X2	H							E	D143	BRACKET CONNECTOR: 123144: 330620	EA	1									4-21	80B
P	H		59359293118					E	D144A	CONNECTOR, RECEPTACLE, ELECTRICAL: 10400: EP34PJ	EA	1	1	2	3	1	2	3		3	-15	81.1
			74400193444					E	D145A	CONTACT ELECTRICAL: SAME AS C946A	EA	REF									4-21	81
			59402835280					E	D146	TERMINAL LUG: SAME AS C609A	EA	REF									-15	81.2
																					4-21	81.3

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW. BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
								D	D150A	CABLE CLAMP: 80205: NAS1397-4	EA	1									-15	
			53106853744					*	D151AM	WASHER FLAT: SAME AS C772AM	EA	REF									4-21	125D
			53050546672					*	D152A	SCREW, MACHINE: SAME AS A958	EA	REF									4-21	125C
								*	D153A	NUT, HEXAGON: SAME AS D044	EA	REF									4-21	125A
P	H		74401686910					D	D0154	BRACKET IDLER: 12344: 320880	EA	1	*	*	*	*	*	*		5	-15	125B
								*	D154A	NUT, HEXAGON: SAME AS D044	EA	REF									4-21	130
			53106853744					*	D154BM	WASHER, FLAT: SAME AS C772AM	EA	REF									4-21	125
			53050546671					*	D154CM	SCREW, MACHINE: SAME AS C393 M	EA	REF									4-21	124
X	H		74400891898					D	D155	SHAFT: 12344: 320890	EA	1									-15	123
X2	H		74409365450					D	D156	BUSHING: 12344: 324741	EA	1									4-21	127
X2	H		74409363753					D	D0157	PULLEY IDLER: 12344: 320900	EA	1									4-71	128
			53402005234					D	D0158	RETAINING, RING: SAME AS C660 M	EA	REF									4-21	129
																					-15	126

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)						
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6													CD	1-5	6-10	11-20	1-5	6-10	11-20
P	H		30307167893							D	D159A	BELT: 12344; 305081	EA		1	2	3	4	2	3	4		8	-15						
X2	H									D	D160	BRACKET MOUNTING LOW TAPE: 12344; 321440	EA		1									4-21	122					
										D	D160A	CABLE CLAMP: SAME AS C999	EA		REF									-15						
			53050545652							*	D161A	SCREW, MACHINE: SAME AS C292	EA		REF									4-21	88					
			53050545649							*	D162AM	SCREW, MACHINE: SAME AS C283 M	EA		REF									-15	85					
			53106389857							*	D163	WASHER, FLAT: SAME AS A952	EA		REF									4-21	82					
										*	D164AM	NUT, PLAIN, HEXAGON SAME AS C690AM	EA		REF									-15	83,86					
X2	H									D	D165	ARM TAPE LOW: 12344; 338920	EA		1									4-21	84,87					
C	H		53402826297							D	D166	RING RETAINING: 79136; 5555-12MD	EA		7									-15	96					
X2	H		599198 20036							D	D167 M	MAGNETIC CATCH: 12344; 305110	EA		1									4-21	94					
			53050545644							*	D168	SCREW, MACHINE: SAME AS C790	EA		REF									-15	101					
			53105956425							*	D168A	WASHER, FLAT SAME AS C284	EA		REF									4-21	99					
																								-15	100A					

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)						
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6													CD	1-5	6-10	11-20	1-5	6-10	11-20
X2	H		53105503715							*	D169	WASHER, LOCK: SAME AS C693	EA		REF									-15						
										D	D170A	OIL GAG E: 12344; 323241	EA		1									4-21	100					
																								-15	46					

279.1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)					
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20				
P	H		53306862322						D	DD171 M	WASHER, SEALING 12344; 4177150	EA		2	*	*	*	2	4	6		6	-15 4-21	45, 48	
C	H								*	D172	SCREW, MACHINE: 12344; 4169200	EA		1								5	-15 4-21	47	
P	H		53054871104						D	D0373	THUMBSCREW: 12344; 4169600	E A		1	*	*	*	*	*	*		5	-15 4-21	44	
X2	H								D	D0174	MAGNET: 12344; 323221	EA		2									5	-15 4-21	43
C	H		53059838084						*	D175A	SCREW, MACHINE: 96906; MS51957-123	EA		2									5	-15 4-21	41
			53106163555						*	D176 M	WASHIER, LOCK: SAME AS C655 M	EA		REF									5	-15 4-21	42
			53107225998						*	D176A	WASHER, FLAT: SAME AS C325	EA		REF									5	-15 4-21	42A
X2	H		53409379716						D	D177	CHAD BOX: 12344; 323230	EA		1									5	-15 4-21	40
A	H	R							D	D178	TAPE SUPPLY ASSEMBLY: 12344; 335571	EA		1									5	-15 4-21	26
X2	H								E	D179	PLATE SUPPLY: 12344; 335550	EA		1									5	-15 4-23	23
X2	H								E	D180	SHAFT, BEARING: 12344; 333110	EA		1									5	-15 4-23	20
A	H								E	D181	REEL ASSEMBLY: 12344; 333801	EA		1									5	-15 4-23	
C	H								*	D182	RING, RETAINING: 89462; 5100-25	EA		1									5	-15 4-23	19

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)					
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20				
P	H		74400093471						F	D183	FLANGE ASSEMBLY FRONT: 12344; 333751	EA		1	*	*	*	*	*	*		3	-15 4-23	16	
A	H								F	D186	FLANGE ASSEMBLY REAR: 12344; 333780	EA		1									3	-15 4-23	
X2	H		74408987171						G	D187	HUB TU/MOULDED; 12344; 330150	EA		1									3	-15 4-23	21
X2	H								G	D188	FLANGE REAR; 12344; 333650	EA		1									3	-15 4-23	18
C	H								*	D189	SCREW, MACHINE: 12344; 4159400	EA		4									3	-15 4-23	17
X2	H		53409318753						E	D190	SPRING TENSION: 12344; 330100	EA		1									3	-15 4-23	14
X2	H								E	D191	ROLLER ASSEMBLY: 12344; 333052	EA		6									3	-15 4-23	
P	H		74404118654						F	D191A	POST, TAPE GUIDE: 12344; 318870	EA		2	*	*	*	*	*	*			6	-15 4-23	10
P	H		74401520041						F	D191B	ROLLER, TAPE: 12344; 345521	EA		4	*	*	*	*	*	*			6	-15 4-23	8
X2	H		74408953982						F	D191C	SHAFT, ROLLER: 12344; 304670	EA		4									6	-15 4-23	7
									*	D191D	SCREW, MACHINE: SAME AS B453	EA		REF									6	-15 4-23	6
X2	H								E	D194A	HANDLE: 12344; 323 410	EA		1									6	-15 4-23	11

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(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS		
			(2) FEDERAL STOCK NUMBER	(3)								(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				MODEL								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20					
				1	2	3	4	5														6	IND CD	DESCRIPTION
X2 P X2 X2 X2	H H H H H		74400192374					*	D194B	RIVET; 12344; 4114210	EA		2						-15 4-23	5		
								E	D195A	BRAKE ASSEMBLY: 12344; 330080	EA	1	1	2	3	1	2	3	1	-15 4-23	15	
								*	D195B	RIVET, SHOULDER: 12344; 4114600	EA		1							-15 4-23	12	
								*	D195C	SHIM, 0.128 DIA X 0.010" THICK: SAME AS C696D	EA		REF							-15 4-23	13	
								E	D196	COVER, HANDLE: 12344; 324130	EA		1							-15 4-23	4	
								E	D197	STOP: 12344; 145280	EA		1							-15 4-23	3	

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(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS		
			(2) FEDERAL STOCK NUMBER	(3)								(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				MODEL								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20					
				1	2	3	4	5														6	IND CD	DESCRIPTION
			53105503715					*	D198	WASHER, LOCK: SAME AS C693	EA		REF						-15 4-23	2		
			53050545646					*	D199 M	SCREW, MACHINE: SAME AS C955C	EA		REF						-15 4-23	1		
M X2 A C C	H H H H H	R						E	D199A	PLATE, IDENTIFICATION 12344; 330470	EA		1						-15 4-23	22		
								D	D200	SPRING: 12344; 352370	EA		1						-15 4-21	95		
								D	D201	SENSING ASSEMBLY: 12344; 377030	EA		1						-15 4-21	25		
								*	D201A	SCREW, MACHINE: 12344; 4160500	EA		2						-15 4-21	22		
			53107225998					*	D201B	WASHER, FLAT: SAME AS C325	EA		REF						-15 4-21	24A		
			53106163555					*	D201CM	WASHER, LOCK: SAME AS C655 M	EA		REF						-15 4-21	24		
X2 C X2 C C	H H H H H							E	D202	ANCHOR, SPRING: 12344; 312040	EA		1						-15 4-22	3		
								*	203	SCREW, MACHINE: 12344; 4163500	EA		2						-15 4-22	1		
								E	D204	STOP: 12344; 374990	EA		1						-15 4-22	10		
								*	D205 M	SETSCREW: 12344 4158110	EA		1						-15 4-22	4		
								*	D206	SCREW, MACHINE: 12344; 4158520	EA		1						-15 4-22	5		

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6														IND CD	DESCRIPTION	1-5	6-10	11-20	1-5	6-10	11-20
P	H		74408987103						E	C964	EA	1	*	*	*	*	*	*	3	-15	61	
C	H		53056381836						*	C965	EA	1							3	4-27		
P	H		53659808163						E	C966	EA	10	*	*	*	*	*	*	50	-15	60	
P	H		74400897020						E	C967	EA	10	1	2	3	1	2	3	10	-15	62	
X2	H								E	C968	EA	1							10	4-27	63	
C	H		53059591082						*	C969 M	EA	9							10	-15	66	
			53106163555						*	C970 M	EA	REF							10	4-27	64	
X2	H								E	C971	EA	1							10	-15	65	
C	H		53057642968						E	C972 M	EA	6							10	4-27	68	
P	H	T	74400192949						E	C974	EA	1	*	*	*	1	1	2	3	-15	67	
C	D								*	C974A	EA	2							3	4-27		
X2	D								F	C975	EA	1							3	-15	70	
																			3	4-27	77	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6														IND CD	DESCRIPTION	1-5	6-10	11-20	1-5	6-10	11-20
X2	D								F	C976	EA	2								-15	76	
X2	D								F	C977	EA	1								-15	78	
X2	D								F	C978	EA	1								-15	75	
X2	D		53053160357						*	C979	EA	2								-15	74	
C	D								*	C979A	EA	2								-15	74.1	
X2	D								F	C980	EA	9								-15	72	
X2	D								F	C984	EA	1								-15	73	
X2	D								F	C988	EA	1								-15	71	
C	D		53053115341						*	C989	EA	1								-15	74.2	
P	D		53051115185						*	C989A	EA	1								-15	74.3	
P	D		53105432410						*	C989B	EA	1								-15	74.4	
P	H		74400560135						E	C992	EA	1	1	2	3	1	2	3	1	-15	79	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE											(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCT PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS	
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						DESCRIPTION	(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN					
MODEL						IND CD																				
1	2	3	4	5	6																					
C	H		53105956211				*	C994	WASHER, FLAT: SAME AS C924	EA		REF							-15							
							*	C995	SCREW, MACHINE: 12344; 4156775	EA		1							4-27	81						
C	H		53100637415				*	C996	NUT, HEXAGON: 78189; 511-041800-00	EA		1							-15	80						
																			4-27	82						
C	H						D	C999	CABLE CLAMP: 12344; 4097900	EA		2							-15							
			53105319514				*	D001 M	WASHER, FLAT: SAME AS C906AM	EA		REF							4-21	92						
			53050546652				*	D002	SCREW, MACHINE: SAME AS A951 M	EA		REF							-15	90						
							*	D003A	NUT HEXAGON: 12344; 4172900	EA		24							4-21	89						
C	H						D	D004A	CLAMP CABLE: 12344; 4099080	EA		1							-15	91						
			53106163555				*	D005 M	WASHER LOCK: SAME AS C655 M	EA		REF							4-21	71						
			53050546652				*	D006	SCREW, MACHINE: SAME AS A951 M	EA		REF							-15	70A						
			53105319514				*	D006AM	WASHER, FLAT: SAME AS C906AM	EA		REF							4-21	69						
																			-15	70						

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE											(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCT PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS	
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						DESCRIPTION	(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN					
MODEL						IND CD																				
1	2	3	4	5	6																					
P	H		74401170418				D	D008	CHUTE, CHAD: 12344; 601463-1	EA		1	*	*	*	*	*	*		5						
x2	H		74400543411				D	D009	LATCH RETAINER: 12344; 300600	EA		1							-15	67						
							*	D010A	SCREW MACHINE: 12344; 4154570	EA		1							4-21	66						
			53106326721				*	D010B	WASHER, FLAT: SAME AS B113G	EA		REF							-15	65						
			53105503715				*	D010C	WASHER, LOCK: SAME AS C693	EA		REF							4-21	65A						
X2	H		74400224494				D	D011	SPRING ACTUATOR: 12344; 145020	EA		1							-15	65B						
P	H		74400543440				D	D012	RETAINER TAPE: 12344; 301100	EA		1	1	2	3	1	2	3	-15	64						
X2	H						D	D013	STRIPPER ASSEMBLY: 12344; 329361	EA		1							4-21	63						
C	H		53050685276				*	D014 M	SCREW MACHINE: 96906; MS16995-9	EA		3							-15	62						
			53106326721				*	D014A	WASHER, FLAT: SAME AS B113G	EA		REF							4-21	60						
			53105503715				*	D015	WASHER, LOCK: SAME AS C693	EA		REF							-15	60A						
F	H	R	74401686911				D	D016	SENSOR ASSEMBLY TAPE MOTION: 12344; 326231	EA		1	1	2	3	1	2	3	-15	61						
							E	D017	HOUSING: 12344; 325171	EA		1							-15	30						
																			4-21	16						

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
X2	H								E	D018	LID. HOUSING: 12344; 329080	EA	1										-15 4-24	15	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
X2	H		53150577797						E	D019	PIN HINGE LID: 12344; 329260	EA	2										-15 4-24	14	
P	H		74409893623						E	D0208	CARD LAMP MOUNTING 12344; 833594	EA	1	1	2	3	1	2	3		3		-15 4-24	12	
P	H		74409893627						E	D023A	CARD SENSOR MOUNT- ING: 12344; 832637	EA	1	1	2	3	1	2	3		3		-15 4-24	13	
X2	H		74408953973						E	D026	CAPSTAN SENSITIVE UNIT: 12344; 325110	EA	1										-15 4-24	11	
X2	H		74400543435						E	D027	SHAFT CAPSTAN: 12344; 329000	EA	1										-15 4-24	10	
			53409577776						E	D028 M	RING, RETAINING: SAME AS C929E	EA	REF										-15 4-24	6	
K2	H		74408987026						E	D029	SPRING: 12344; 329100	EA	2										-15 4-24	7	
X2	H		74408987148						E	D030	SPRING RETAINER: 12344; 329090	EA	2										-15 4-24	8	
X2	H		53406865929						E	D032	SHIM, 0.0015 THICK: 12344; 309793	EA	2										-15 4-24	9	
P	H		53404062316						E	D033	CLIP, SPLIT: 12344; 347760	EA	1	*	*	*	*	*	*		5		-15 4-24	4	
X2	H								E	D034A	TAPE, BLADE: 12344; 374970	EA	1										-15 4-24	3	
P	H		74401520054						E	D0348	COVER. DUST: 12344; 394220	EA	1	*	*	*	*	*	*		5		-15 4-24	2	
C	H								E	D034C	SHEATHING: 12344; 396130	EA	1										-15 4-24	1	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN		
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)					(B)	(C)
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
X2	H		74409893615						D	D035	HOLDDOWN TAPE MOTION SUB: 12314; 328990	EA		2								-15 4-21	29	
			53059590 379						*	D036 M	SCREW, MACHINE: SAME AS C928A	EA		REF								-15 4-21	27	
			53109338118						*	D037A	WASHER, LOCK SPLIT: SAMEAS B113F	EA		REF								-15 4-21	28	
P	H		59401862530						D	D038	TERMINAL, BOARD: 71785; 6-140	EA		1	1	2	3	1	2	3		3	-15 4-21	169
			53050546654						*	D039 M	SCREW, MACHINE: SAME AS C373 M	EA		REF								-15 4-21	167	
			53105319514						*	D 39AM	WASHER, FLAT: SAME AS C906AM	EA		REF								-15 4-21	168A	
			53106163555						*	D040 M	WASHER, LO CK: SAME AS C655 M	EA		REF								-15 4-21	168	
X2	H								D	D041 M	BLOCK., CONNECTOR: 02660; 480065-3	EA		1									-15 1-21	36
			53050546671						*	D0442AM	SCREW, MACHINE: SAME. AS C393 M.	EA		REF								-15 4-21	33	
			53106853744						*	D043AM	WASHER, FLAT: SAME AS C772AM	EA		REP								-15 4-21	34	
C	H								*	D044	NUT, HEXAGON4: 12344; 41722'50	EA		6								-15 4-21	35	
X2	H								D	D045A	BRACKET, MOU.NTING: 12344; 376910	EA		1								-15 4-71	39	
C	H								*	D046M	SCREW, MACHINE: 91901; MS51959-30	EA		21								-15 4-21	37	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN		
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)					(B)	(C)
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
									*	D047A	NUT: SAME AS D003A	EA		REF								-15 4-21	38	
P	H	R	74408987036						D	D048 M	CIRCUIT CARD ASSY: 12344, 890050	EA		1	1	2	3	1	2	3		3	-15 4-21	32
									*	D049 M	SCREW, MACHINE: SAME AS D046 M	EA		REF								-15 4-21	31	
X1	H								E	D050	PRINTED CIRC UIT BOARD: 12314; 903450	EA		1								-15 4-25	17	
X2	H								*	D051	STANDOFF: 12344; 321011	EA		4									-15 4-25	15
			53050546650						*	D052	SCREW, MACHINE: SAME AS C942 M	EA		REF								-15 4-25	12	
			53105389857						*	D053	WASHER FLAT: SAME AS A952	EA		REF								-15 4-25	14	
			53106163555						*	D053AM	WASHER LOCK: SAME AS C655 M	EA		REF								-15 4-25	13	
P	H		59618923361						E	D054	SEMI-CONDUCTOR DEVICE, DIODE: 81349; 1N750A	EA		2	1	2	3	1	3	3			-15 4-25	4
			59618923361						E	D054A	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS, D054	EA		REF								-15 4-25	4	
P	H		59108215215						E	D055 C	CAPACITOR: 71590; 2DDH60L471K	EA		1	1	2	3	1	2	3		3	-15 4-25	3
P	H		59618377262						E	D056 M	TRANSITPOR: 81349; 2N607	EA		2	1	2	3	1	2	3		6	-15 4-25	2
			59618377262						E	D057	TRANSISTOR: SAME AS D056 M	EA		REF								-15 4-25	2	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20			
P	H		59619305325						E	D058A	TRANSISTOR. 80131; 2N3565	EA		1	1	2	3	1	2	3		3	-15 4-25	1	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20			
P	H		59056832242						E	D059A	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF203J	EA		2	1	2	3	1	2	3		3	-15 4-25	5	
P	H		59056864530						E	D060	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF104K	EA		1	1	2	3	1	2	3		3	-15 4-25	7	
P	H		59058110673						E	D061	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF682K	EA		1	1	2	3	1	2	3		3	-15 4-25	6	
P	H		59056837721						E	D062	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF101K	EA		1	1	2	3	1	2	3		3	-15 4-25	8	
P	H		59057523340						E	D063 M	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF472K	EA		1	1	2	3	1	2	3		6	-15 4-25	9	
P	H		59051711997						E	D065A	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF331K	EA		3	1	2	3	1	2	3		3	-15 4-25	10	
P	H	R	59051956806						E	D066A	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF102K	EA		5	1	2	3	1	2	3		3	-15 4-25	11	
C	H								E	D067	TERMINAL PIN: 71279; 2186-2	EA		84									-15 4-25	16	
A	H	R							D	D068	CONNECTOR ASSEMBLY: 12344; 332320	EA		1									-15 4-21	73.1	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6													CD	1-5	6-10	11-20	1-5	6-10	11-20
X2	H	R	53050546651						*	D069A	SCREW, MACHINE: SAME AS A946C	EA	REF									-15								
			53106163555						*	D070AM	WASHER, LOCK: SAME AS C655 M	EA	REF									4-21	72							
									E	D071	BRACKET ELECTRICAL CONNECTOR: 12344; 330621	EA	1									-15	73							
			59359310386						E	D072B	CONNECTOR, PLUG, ELECTRICAL: 95238; 250-26-16PGDSP	EA	1	1	1	1	1	1	1		3	-15								
			74400193444						E	D073 M	CONTACT, ELECTRICAL: SAME AS C946A	EA	REF									-15								
			59308187799						E	D073A	SWITCH, MICRO: SAME AS C947AM	EA	REF									-15								
									D	D074	NETWORK RESISTANCE- CAPACITANCE ASSEMBLY: 12344; 331500	EA	1									-15	74							
			53057640068						*	D075	SCREW, MACHINE: 96906; MS51959-45	EA	6									-15								
									E	D077	BRACKET MOUNTING: 12344; 376670	EA	1									-15	119							
			59109542218						E	D0788	CAPACITOR: 00656; AFH2-06-20	EA	11	1	2	3	1	2	3		33	-15	18							
59109542218						E	D079B	CAPACITOR: SAME AS D0 78B	EA	REF									-15	16										
						E			EA									-15	16											

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6													CD	1-5	6-10	11-20	1-5	6-10	11-20
C	H	R	59109542218						E	D080B	CAPACITOR: SAME AS D078B	EA	REF									-15								
			59109542218						E	D081B	CAPACITOR: SAME AS D078B	EA	REF									-15	16							
			59109542218						E	D082B	CAPACITOR: SAME AS D078B	EA	REF									-15	16							
			59109542218						E	D083B	CAPACITOR: SAME AS E00788	EA	REF									-15	16							
			591095 42218						E	D084B	CAPACITOR: SAME AS D0278B	EA	REF									-15	16							
			59109542218						E	D085B	CAPACITOR: SAME AS D0788	EA	REF									-15	16							
			59109542218						E	D086B	CAPACITOR: SAME AS D0788	EA	REF									-15	16							
			59109542210						E	D087B	CAPACITOR: SAME AS D02788	EA	REF									-15	16							
			58108542218						E	D088B	CAPACITOR: SAME AS D0278B	EA	REF									-15	16							
									E	D090A	CLAMP LOOP: 12344; 4097905	EA	3									-15	11,12							
			X2	H						E	D091	STANDOFF RESISTOR BOARD: 12344; 321010	EA	4									-15	3						

P	H	59059751144						F	D094 M	RESISTOR, FIXED, WIREWOUND: 81249; RW57G510	EA		11	2	4	6	2	4	6	33	-15 4-26	5
		59059751144						F	D095 M	RESISTOR, FIXED, WIREWOUND: SAME AS D094 M	EA	REF									-15 4-26	5
		59059751144						F	D096 M	RESISTOR, FIXED, WIREWOUND: SAME AS D094 M	EA	REF									-15 4-26	5
		59059751144						F	D097 M	RESISTOR, FIXED, WIREWOUND: SAME AS D094 M	EA	REF									-15 4-26	5
		59059751144						F	D098 M	RESISTOR, FIXED, WIREWOUND: SAME AS D094 M	EA	REF									-15 4-26	5
		59059751144						F	D099 M	RESISTOR, FIXED, WIREWOUND: SAME AS D094 M	EA	REF									-15 4-26	5
		59059751144						F	D100 M	RESISTOR, FIXED, WIREWOUND: SAME AS D094 M	EA	REF									-15 4-26	5
		59059751144						F	D101 M	RESISTOR; FIXED, WIREWOUND: SAME AS D094 M	EA	REF									-15 4-26	5

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A)	(B)	(C)	(2)		(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
S	M	R	FEDERAL STOCK NUMBER	IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)				(C)	FIG. NO.	ITEM NO. OR REF DESIGN									
																	1-5	6-10	11-20			1-5	6-10	11-20	
U	R	C	1	2	3	4	5	6	CD	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
			59059751144							F	D102 M	RESISTOR, FIXED, WIREWOUND: SAME AS D094 M	EA		REF								-15 4-26	5	
			59059751144							F	D103 M	RESISTOR, FIXED, WIREWOUND: SAME AS D094 M	EA		REF								-15 4-26	5	
			59059751144							F	D104 M	RESISTOR, FIXED, WIREWOUND: SAME AS D094 M	EA		REF								-15 4-26	5	
P	H		59619246981							F	D105 M	SEMI-CONDUCTOR, DEVICE, DIODE: 81349; 1N4245 M	EA	12		2	4	6	2	4	6	36	-15 4-26	4	
			59619246981							F	D106 M	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D105 M	EA		REF								-15 4-26	4	
			59619246981							F	D107 M	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D105 M	EA		REF								-15 4-26	4	
			59619246981							F	D108 M	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D105 M	EA		REF								-15 4-26	4	
			59619246981							F	D109 M	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D105 M	EA		REF								-15 4-26	4	
			59619246981							F	D110 M	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D105 M	EA		REF								-15 4-26	4	

																										4-26	4
		59619246981	F	D114 M	VICE, DIODE: SAME AS D105 M SEMI-CONDUCTOR DE-	EA	REF																			-15	
		59619246981	F	D115 M	VICE, DIODE: SAME AS D105 M SEMI-CONDUCTOR DE-	EA	REF																			4-26	4
		59619246981	F	D116 M	VICE, DIODE: SAME AS D105 M SEMI-CONDUCTOR DE-	EA	REF																			-15	
			F		VICE, DIODE: SAME AS D105 M																				4-26	4	
X2	H	59106440287	F	D117	TERMINAL PIN: SAME AS D067	EA	REF																			-15	6.2
		53050546654	E	D118	MOUNTING CAPACITOR: 06124; BP4	EA	11																			-15	17
			*	D119A	SCREW, MACHINE: SAME AS C373 M	EA	REF																			-15	1.13
			*	D120 M	NUT, HEXAGON: SAME AS D003A	EA	REF																			-15	10.15
		53050546652	*	D121	SCREW, MACHINE: SAME AS A951 M	EA	REF																			-15	7
		53106389857	*	D122	WASHER, FLAT: SAME AS A952	EA	REF																			4-26	8

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE											(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)								
(A)	(B)	(C)	(2)											(3)	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	30 DAY SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOWANCE BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN						
S	O	U	R	C	F	E	D	C	C	E	MODEL						IND	DESCRIPTION															
											1	2	3	4	5	6	CD															(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20
																*	D123 M	WASHER, LOCK: SAME AS C 655 M	EA		REF											-15	
X2	H															D	124	BRACKET SLIDE: 12344; 341820	EA		1										4-26	2, 9, 14	
																*	D125A	NUT, HEXAGON: SAME AS D003A	EA		REF										-15	118	
		53057640068														*	D126A	SCREW, MACHINE: SAME AS D075	EA		REF									-15	117		
																*	D127 M	SCREW, MACHINE: SAME AS D046 M	EA		REF									-15	114		
																*	D128 M	NUT, PLAIN, HEXAGON: SAME AS D044	EA		REF								-15	116			
P	H	59101029271														D	D129A	CAPACITOR: 93201; 35F489BA	EA		1	1	2	3	1	2	3		3	-15	115		
X2	H	53405762157														D	D130	CLAMP CAPACITOR: 96906; MS21919DG23	EA		1									-15	111		
		53050711312														*	D131AM	SCREW, MACHINE: 96906; MS51959-32	EA		5								-15	110			
																*	D132A	NUT, HEXAGON: SAME AS D003A	EA		REF								-15	108			
X2	H															D	D133 M	ADAPTER CONNECTOR: 76055; PSUA	EA		2								-15	109			
P	H	59459288231														D	D134	RELAY SOLENOID: 77523; 91252-56	EA		1	1	2	3	1	2	3		3	4-21	109A		
																											-15	107					

C	H	53050546651	*	D138A	12344; 332311 SCREW, MACHINE: SAME AS A946C	EA	REF											4-21 -15	81.4		
		53106163555	*	D139AM	WASHER, LOCK: SAME AS C655 M	EA	REF												4-21 -15	79	
			*	D140AM	WASHER, LOCK: 96906; MS35335-58	EA	3													4-21 -15	80
		53050546654	*	D141A	SCREW, MACHINE SAME AS C373 M	EA	REF													4-21 -15	80C
		53105319514	*	D142AM	WASHER, FLAT: SAME AS C906AM	EA	REF													4-21 -15	80A
X2	H		E	D143	BRACKET CONNECTOR: 12344; 330620	EA	1												4-21 -15	80B	
		P	H	59359293118	E	D144A	CONNECTOR, RECEPTA- CLE, ELECTRICAL: 10400; EP34PJ	EA	1	1	2	3	1	2	3	3				4-21 -15	81.1
74400193444	E			D145A	CONTACT ELECTRICAL: SAME AS C946A	EA	REF												4-21 -15	81	
59402835280	E			D146	TERMINAL LUG: SAME AS C609A	EA	REF												4-21 -15	81.2	
																		4-21	81.3		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
S	M	R		MODEL	IND	DESCRIPTION	(A)	(B)	(C)				(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN								
O	A	E																1			2	3	4	5	6	CD	1-5	6-10	11-20	1-5	6-10	11-20
C	H								D	D150A	CABLE CLAMP: -80205; NAS1397-4	EA	1										-15		
				53106853744	*	D151AM	WASHER, FLAT: SAME AS C772AM	EA	REF														4-21	125D	
				53050546672	*	D152A	SCREW, MACHINE: SAME AS A958	EA	REF														4-21	125C	
					*	D153A	NUT, HEXAGON: SAME AS D044	EA	REF														4-21	125A	
		P	H	74401686910	D	D154	BRACKET IDLER: 12344; 320880	EA	1	*	*	*	*	*	*				5					4-21	125B
					*	D154A	NUT, HEXAGON: SAME AS D044.	EA	REF															4-21	130
				53106853744	*	D154BM	WASHER, FLAT: SAME AS C772AM	EA	REF															4-21	125
				53050546671	*	D154CM	SCREW, MACHINE: SAME AS C393 M	EA	REF															4-21	124
		X2	H	74400891898	D	D155	SHAFT: 12344; 320890	EA	1														4-21	123	
		X2	H	74409365450	D	D156	BUSHING: 12344; 324741	EA	1														4-21	127	
X2	H	30209263753	D	D157	PULLEY IDLER: 12344; 320900	EA	1															4-21	128		
		53402005234	D	D158	RETAINING, RING: SAME AS C660 M	EA	REF															4-21	129		

C	H						*	D172	SCREW, MACHINE: 12344; 4169200	EA									1							-15			
P	H	53054871104					D	D173	THUMBSCREW: 12344; 4169600	EA		*	*	*	*	*	*			1						5	-15	47	421
X2	H						D	D174	MAGNET: 12344; 323221	EA									2							-15	44	421	
C	H	53059838084					*	D175A	SCREW, MACHINE: 96906; MS51957-123	EA									2							-15	41	421	
		53106163555					*	D176 M	WASHER, LOCK: SAME AS C655 M	EA									REF							-15	42	421	
		53107225998					*	D176A	WASHER, FLAT: SAME AS C325	EA									REF							-15	42A	421	
X2	H	53409379716					D	D177	CHAD BOX: 12344; 323230	EA									1							-15	40	421	
A	H	R					D	D178	TAPE SUPPLY ASSEMBLY: 12344; 335571	EA									1							-15	26	421	
X2	H						E	D179	PLATE SUPPLY: 12344; 335550	EA									1							-15	23	423	
X2	H						E	D180	SHAFT, BEARING: 12344; 333110	EA									1							-15	20	423	
A	H						E	D181	REEL ASSEMBLY: 12344; 333801	EA									1							-15		423	
C	H						*	D182	RING, RETAINING: 89462; 5100-25	EA									1							-15	19	423	

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E C D	(1) REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS				
			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN								
				MODEL					IND CD																			
				1	2	3	4	5													6							
P	H		74400093471								F	D183	FLANGE ASSEMBLY, FRONT: 12344; 333751	EA		1	*	*	*	*	*	*			3	-15	16	423
A	H										F	D186	FLANGE ASSEMBLY, REAR: 12344; 333780	EA		1										-15		423
X2	H		74408987171								G	D187	HUB TU/MOULDED: 12344; 330150	EA		1										-15	21	423
X2	H										G	D188	FLANGE, REAR: 12344; 333650	EA		1										-15	18	423
C	H										*	D189	SCREW, MACHINE: 12344; 4159400	EA		4										-15	17	423
X2	H		53409318753								E	D190	SPRING, TENSION: 12344; 330100	EA		1										1-5	14	423
X2	H		70453187623								E	D191	ROLLER ASSEMBLY: 12344; 333052	EA		6										-15		423
P	H		74404118654								F	D191A	POST, TAPE GUIDE: 12344; 318870	EA		2	*	*	*	*	*	*			6	-15	10	423
P	H		74401520041								F	D191B	ROLLER TAPE: 12344; 345521	EA		4	*	*	*	*	*	*			6	-15	8	423
X2	H		74408953982								F	D191C	SHAFT, ROLLER: 12344; 304670	EA		4										-15	7	423
											*	D191D	SCREW, MACHINE: SAME AS B453	EA		REF										-15	6	423
X2	H										E	D194A	HANDLE: 12344; 323410	EA		1										-15		423

X2	H		*	D195B	12344; 330080 RIVET, SHOULDER:	EA		1							4-23 -15	15
			*	D195C	12344; 4114600 WASHER, FLAT: SAME AS C696D	EA	REF								4-23 -15	12
X2	H		E	D196	COVER, HANDLE: 12344; 324130	EA		1							4-23 -15	13
X2	H		E	D197	STOP: 12344; 145280	EA		1							4-23 -15	4
															4-23	3

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE							(4) U N I T O F I S S U E	(5) Q T Y I N C I N C I N G I N U N I T	(6) Q T Y I N C I N G I N U N I T	(7) (30 DAYS) S I T E S T O C K A G E A L L O W A N C E			(8) 45 DAY AREA R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1-YEAR A L W P E R 100 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L W P E R 100 E Q U I P	(11) I L L U S T R A T I O N S		
			(2) F E D E R A L S T O C K N U M B E R	(3)									D E S C R I P T I O N	(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10			(C) 11-20	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N
				M O D E L																				I N D C D
1	2	3	4	5	6																		
								*	D198	WASHER, LOCK: SAME AS C693	EA	REF							-15				
								*	D199 M	SCREW, MACHINE: SAME AS C955C	EA	REF							4-23	2			
								E	D199A	PLATE, IDENTIFICATION: 12344; 330470	EA	1							4-23	1			
								D	D200	SPRING: 12344; 352370	EA	1							4-23	22			
								D	D201	SENSING ASSEMBLY: 12344; 377030	EA	1							4-21	95			
								*	D201A	SCREW, MACHINE: 12344; 4160500	EA	2							4-21	25			
								*	D201B	WASHER, FLAT: SAME AS C325	EA	REF							4-21	22			
								*	D201CM	WASHER, LOCK: SAME AS C655 M	EA	REF							4-21	24A			
								E	D202	ANCHOR, SPRING: 12344; 312040	EA	1							4-21	24			
								*	D203	SCREW, MACHINE: 12344; 4163500	EA	2							4-22	3			
								E	D204	STOP: 12344; 374990	EA	1							4-22	1			
								*	D205 M	SETSCREW: 12344; 4158110	EA	1							4-22	10			
								*	D206	SCREW, MACHINE: 12344; 4158520	EA	1							4-22	4			
											EA	1							4-22	5			

53400521080	E	D209AM	SHIM, 0.010 THICK: SAME AS C716KM	EA	REF	-15 4-22	8
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282.1

(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE									(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) (30 DAYS) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS			
			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	MODEL						IND CD				(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN		
					1	2	3	4	5	6																
X2	H								E	D212	MOUNTING FRAME: 12344; 304430	EA		1										-15 4-22	13	
P	H	74400878495							E	D213 M	BUSHING: 12344; 304216	EA		3	*	*	*	1	1	-1					-15 4-22	12
X2	H	74408953964							E	D214	CAM: 12344; 333810	EA		2											-15 4-22	9
C	H								*	D214A	SETSCREW: 12344; 4153910	EA		2											-15 4-22	6
C	H	53406347444							*	D215 M	RING RETAINING: 79136; 5103-18MD	EA		2											-15 4-22	7
M	H								D	D216 M	PLATE,IDENTIFICATION: 12344; 332190	EA		1											-15 4-21	1
A	H								D	D217	ARM, TENSION, ASSEMBLY: 12344; 304702	EA		1											-15 4-21	
		74408953982							E	D218 M	POST, TAPE GUIDE SAME AS D191B	EA	REF												-15 4-21	20
									E	D219 M	SHAFT ROLLER: SAME AS D191C	EA	REF												-15 4-21	19
X2	H								E	D220	ARM, TENSION TAPE: 12344; 304680	EA		1											-15 4-21	21
C	H	53050603849							*	D221	SETSCREW: 96906; MS51029-17	EA		1											-15 4-21	18

X2 A H R	H	R	53105505054	C	D283	BRACKET ASSEMBLY: 12344; 374850	EA	1									-15			
			*	D283A	WASHER, FLAT: SAME AS D253A	EA	REF											4-32	11	
			*	D283B	NUT, PLAIN, HEXAGON: SAME AS D253	EA	REF												-15	9
			C	D288	COMPONENT ASSEMBLY: 12344; 373610	EA	1												4-32	8
			*	D289	NUT, PLAIN, HEXAGON: SAME AS D253	EA	REF												-15	17
			*	D290A	WASHER, FLAT: SAME AS D253A	EA	REF												4-32	16
			D	D291	ACTUATOR, SWITCH: SAME AS C616A	EA	REF												-15	16.1
			*	D291A	SCREW, MACHINE: SAME AS C314	EA	REF												4-32	10
			*	D291B	WASHER, LOCK: SAME AS C947D	EA	REF												-15	6
			D	D292 M	BRACKET, MOTOR: 12344; 373590	EA	1												4-32	7
X2 P H T	H	T	61051253309	D	D293 M	MOTOR: 12344; 376970	EA	1	*	*	*	1	2	3		3	-15	22		
			*	D294 M	SCREW, MACHINE: SAME AS C373 M	EA	REF											4-33	20	
																		-15	17	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A)	(B)	(C)	(2) FEDERAL STOCK NUMBER	IND CD	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS								
S O U R C E C D	M A I N T C C	R E C O D E							MODEL								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
									1	2	3	4	5	6											
P	H	R	53105319514		*	D294AM	WASHER, FLAT: SAME AS C906AM	EA	REF									-15							
			53106163555		*	D295 M	WASHER, LOCK: SAME AS C655 M	EA	REF										4-33	19					
			74400193020		D	D296 M	CIRCUIT CARD ASSEM- BLY: 12344; 890202	EA	1	1	2	3	1	2	3		3		4-33	18					

		53106163555				*	D298BM	SAME AS C373 M WASHER, LOCK.	EA	REP									4-33	9
X1	H					E	D299	SAME AS C655 M PRINTED CIRCUIT BOARD: 12344; 904030	EA	1									-15	10
		59109088392				E	D300	TERMINAL PIN: SAME AS D067	EA	REF									-15	15
P	H	59109088392				E	D301	CAPACITOR, PAPER: 02777; P12D	EA	2	1	2	3	1	2	3		6	-15	13
		59610766951				E	D302	CAPACITOR, PAPER: SAME AS D301	EA	REP									-15	13
P	H	59610766951				E	D303	TRANSISTOR: 09213; SC40B	EA	1	1	2	3	1	2	3		5	-15	14
P	H	59051863008				E	D305	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF101K	EA	4	1	2	3	1	2	3		4	-15	12
		59301025834				D	D306 M	SWITCH, MICRO: 91929; 11SMIT	EA	4	1	2	3	1	2	3		9	-15	8
X2	H					D	D306A	GROMMET: 83330; 2185	EA	1									-15	5
X2	H					D	D307	BUSHING, SNAP: 12344; 4116155	EA	2									-15	21
P	H	59355493203				D	D308	CONNECTOR: 90002; 7484	EA	1	2	3	1	2	3	3			-15	7

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A)	(B)	(C)	(2)						(3)				UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	30 DAYS			45 DAY AREA			1-YEAR ALW PER 100 EQUIP. CNTG PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
S O U R C E C D	M A I N T C C	R E C O D E	FEDERAL STOCK NUMBER						IND	DESCRIPTION	(A)	(B)				(C)	(A)	(B)	(C)						
			1	2	3	4	5	6												CD	1-5					6-10	11-20	1-5	6-10	11-20
			53050546650						*	D309 M	SCREW, MACHINE: SAME AS C942 M	EA		REF									-15		
			53106163555						*	D309AM	WASHER, LOCK: SAME AS C655 M	EA		REF									4-33	5	
X2	H		59403313409						D	D310	TERMINAL STRIP: 71785; 5-140	EA		1									-15	6	
			53050546655						*	D311AM	SCREW, MACHINE: SAME AS C324 M	EA		REF									-15	4	
			53105319514						*	D311BM	WASHER, FLAT: SAME AS C906AM	EA		REF									-15	1	
			53106163555						*	D311CM	WASHER, LOCK: SAME AS C655 M	EA		REF									-15	3	
			59402835280						D	D312	TERMINAL LUG SAME AS C609A	EA		REF									-15	2	
X2	H		59406822427						D	D313	JUMPER: 71785; 141J	EA		1									-15	3.2	
			74400193444						D	D314	CONTACT, ELECTRICAL: SAME AS C946A	EA		REF									-15	3.1	
C	H								D	D315	PIN, TAPER: 12344; 4108400	EA		5									-15	3.3	
A	H								C	D316	DETENT HOUSING ASSEM- BLY: 12344; 350511	EA		1									-15	3.4	

X1	H							D	D333C	12344; 4159000 ADAPTER:	EA	1										4-32	26.1
X1	H							D	D333D	12344; 228763 RETAINER, REEL:	EA	1										4-32	26.2
X1	H							D	D333E	12344; 228771 ROLL PIN:	EA	1										4-32	26.3
X2	H							C	D334	12344; 4107200 COVER, HIGH, VOLTAGE:	EA	1										4-32	26.4
C	H	53050546666						*	D337	12344; 373990 SCREW, MACHINE:	EA											-15	15
		53106853744						*	D337AM	96906; MS51957-41 WASHER, FLAT:	EA		REF									4-32	12
		53105432739						*	D337B	SAME AS C772AM WASHER, LOCK:	EA		REF									4-32	14
X2	H							C	D338A	SAME AS C773 M COVER, HIGH, VOLTAGE:	EA	1										4-32	13
		53050546650						*	D339 M	12344; 396430 SCREW, MACHINE:	EA		REF									-15	4
		53105319514						*	D339AM	SAME AS C942 M WASHER, FLAT:	EA		REF									4-32	1
										SAME AS C906AM												-15	3
																						4-32	3

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE														(4)		(5)		(6)			(7)			(8)			(9)		(10)		(11)						
(A)	(B)	(C)	(2)		(3)											UNIT	OF	QTY	INC	QTY	INC	SITE STOCKAGE			45 DAY AREA			1-YEAR	DEPOT	ILLUSTRATIONS										
S	M	R	FEDERAL	STOCK	DESCRIPTION											ISSUE	IN	IN	UN	ALLOWANCE			RESUPPLY ALLOW			ALW	MAINT	(A)	(B)											
U	R	C	NUMBER													PK	IN	UNIT		(A)	(B)	(C)	(A)	(B)	(C)	PER 100	PER 100	FIG.	ITEM NO.											
D	E	D			MODEL						IND																													
					1	2	3	4	5	6	CD																													
M	H		53106163555									*	D339BM	WASHER, LOCK:	EA		REF																				-15			
												C	D339C	SAME AS C655 M PLATE, IDENTIFICATION:	EA		1																					4-32	2	
P	H		74400193018									C	D340	12344; 380010 COUPLING:	EA		1	1	2	3	1	2	3			2											-15	19		
C	H											*	D341A	12344; 370580 PIN, DOWEL:	EA		2																					-15	21	
X2	H											C	D342	12344; 4106375 SHAFT REEL DRIVE:	EA		1																					4=32	20	
												C	D342A	12344; 374000 WASHER, THRUST:	EA		REF																					-15	28	
C	H		53408045043									*	D343	SAME AS C730A RING, RETAINING:	EA		1																					4-32	27	
C	H											*	D344	79136; 5555-25MD PIN, DOWEL:	EA		1																					-15	22	
																																							4-32	25

		53051786045	C	D347 M	SHIM, .005 IN. THICK: SAME AS C670 M	EA	REF											-15		
		53051826731	C	D348 M	SHIM, .010 IN. THICK: SAME AS C805CM	EA	REF											4-32	36	
P	H	74401656598	C	D348A	REEL ASSEMBLY: 12344; 519953	EA	1	*	*	*	*	*	*					4-32	43	
X1	H		D	D348B	REEL: 12344; 519951	EA	1											-15	24	
X1	H		D	D348C	STOP, REEL: 12344; 389620	EA	6											4-32	24.1	
A	H	R	B	D349 M	POWER SUPPLY: 06809; 40-000093-1	EA	1											-15	24.2	
P	H	59100544243	C	D350	CAPACITOR, HIGH VOLTAGE: 03508; 86F2004MA	EA	1	1	2	3	1	2	3					4-10	19	
P	H	59100544242	C	D351	CAPACITOR, HIGH VOLATGE: 03508; 86F1063MA	EA	1	1	2	3	1	2	3					-15	48	
X2	H		C	D352	CAPACITOR, RETAINING ASSEMBLY: 06809; 40-000081-1	EA	3											4-17	45	
C	H		*	D353 M	SCREW, MACHINE: 96906; MS20073-60	EA	6											-15		
																		4-17	42	

		REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE											(4)		(5)		(6)			(7)			(8)			(9)		(10)		(11)			
S O U R C E C D	(A) M U R C C	(B) S M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3) IND							(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS										
					MODEL						IND CD				DESCRIPTION	(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10			(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN								
					1	2	3	4	5	6																							
C	H		53108098546						*	D354	WASHER, FLAT: 96906; MS27183-8	EA	10																-15				
C	H								*	D355	WASHER, LOCK: 96906; MS35338-43	EA	10																	4-17	44		
																															-15		
																															4-17	43	

C		53100134530	*	D405	SAME AS D368 NUT, PLAIN, HEXAGON:	EA	REF											-15	
		53050546655	*	D406 M	SCREW, MACHINE: SAME AS C324 M	EA	REF											-15	53
		53100821404	*	D407	WASHER, FLAT: SAME AS D371	EA	REF											-15	50
		53100454007	*	D408	WASHER, LOCK: SAME AS D372	EA	REF											-15	51
		53050546652	*	D410	SCREW, MACHINE: SAME AS A951 M	EA	REF											-15	52
		53100821404	*	D411	WASHER, FLAT: SAME AS D371	EA	REF											-15	58
		53100454007	*	D412	WASHER, LOCK: SAME AS D372	EA	REF											-15	54
	X2	H		C	D413	CHASSIS: 06809; 40-000062-1	EA	1										-15	51
	X1	H	53408399050	D	D414	FASTENER, CLINCH: 46384; S632-2	EA	28										-15	52
																		-15	104
																	-15	103.1	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE														(4)		(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A)	(B)	(C)	(2)		(3)											UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
S O U R C E C D	M A I N T E N A N C E C D	R E C O D E	FEDERAL STOCK NUMBER	MODEL						IND CD	DESCRIPTION				(A)	(B)	(C)	(A)	(B)	(C)						(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6						1-5	6-10	11-20	1-5	6-10	11-20										
X1	H		53105968129							D	D415	FASTENER, CLINCH: 46384; S832-2	EA		5												-15			
X1	H									D	D416A	FASTENER, CLINCH: 46384; SS032-2	EA		10												-15	103.2		
X1	H		53102954246							D	D417	FASTENER, CLINCH: 46384; AS632-2	EA		10												-15	103.3		
X1	H		53258171158							D	D418	EYELET, FLANGED: 57771; A510	EA		1												-15	103.4		
P	H	T	74400189646							C	D419	CIRCUIT CARD ASSEMBLY 06809; 40-000008-1	EA		1	1	2	3	1	2	3		3			-15	103.5			
X1	D									D	D420	PRINTED CIRCUIT BOARD 06809; 40-000006-1	EA		1												-15	92		
P	D		59101145274							D	D421 M	CAPACITOR, FIXED, PAPER: 03508; 75F1R1B472	EA		1	10											-15	C1		
P	D		59100613200							D	D421A	CAPACITOR, FEED, PAPER- 03508; 75F3R1B104	EA		5								30			-15	C2			
P	D		59052793512							D	D422 M	RESISTOR, FIXED, COM- POSITION: 81349; RC20GF431J	EA		2								3			-15	R1			
P	D		59051956806							D	D423	RESISTOR, FEED, COM- POSITION: 81349; RC20GF102J	EA		9								27			-15	R2			
			59051956806							D	D424	RESISTOR, FIXED, COM- POSITON: SAME AS D423	EA													-15	R13			

P	D	59050693912						D	D426	81349; RC20GF202J RESISTOR, FIXED, FILM:	EA	7						21	-15		
		59050693912						D	D427	81349; RN60D1960F RESISTOR, FIXED, FILM:	EA	REF								5-27	R4
		59050693912						D	D428	SAME AS D426 RESISTOR, FIXED, FILM:	EA	REF								-15	R5
		59050693912						D	D429	SAME AS D426 RESISTOR, FIXED, FILM:	EA	REF								5-27	R6
		59050693912						D	D430	SAME AS D426 RESISTOR, FIXED, FILM:	EA	REF								-15	R7
		59050693912						D	D431	SAME AS D426 RESISTOR, FIXED, FILM:	EA	REF								5-27	R8
		59050693912						D	D432	SAME AS D426 RESISTOR, FIXED, FILM:	EA	REF								-15	R9
		59052793512						D	D433AM	SAME AS D426 RESISTOR, FIXED, COM- POSITION:	EA	REF								5-27	R15
										SAME AS D422 M RESISTOR, FIXED, COM- POSITION:	EA	REF								5-27	R11
P	D	59051923973						C	D434B	81349; RC20GF471J RESISTOR, FIXED, COM- POSITION:	EA	6						18	-15		
										RESISTOR, FIXED, COM- POSITION:	EA	2								5-27	R21
P	D	59052793517						D	D435	81349; RC20GF510J RESISTOR, FIXED, COM- POSITION:	EA	2						6	-15		
										81349; RC20GF510J RESISTOR, FIXED, COM- POSITION:	EA	2								5-27	R14

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(1)		REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A)	(B)	(C)	(2)						UNIT	QTY	QTY	SITE STOCKAGE			45 DAY AREA			1-YEAR	DEPOT	(A)	(B)		
S	M	R	FEDERAL						OF	INC	INC	ALLOWANCE			RESUPPLY ALLOW			ALW	MAINT	FIG.	ITEM		
O	A	E	STOCK						ISSUE	IN	IN				BASED ON NO.			PER 100	PER	NO.	NO.		
U	R	D	NUMBER							UN	UN				EQUIPMENT			EQUIP.	EQUIP	OR	REF		
R	N	C								PK	UNIT				SUPPORTED			PER 100	PER	OR	DESIGN		
C	T	C										(A)	(B)	(C)	(A)	(B)	(C)	CNTGCY	100	NO.	OR	DESIGN	
E	C	D										1-5	6-10	11-20	1-5	6-10	11-20	PLAN	EQUIP	NO.	OR	DESIGN	
			1	2	3	4	5	6	IND														
								CD		DESCRIPTION													
P	D	59052791757						D	D436	RESISTOR, FIXED, COM- POSITION:	EA	5							15	-15			
										81349; RC20GF152J RESISTOR, FIXED, COM- POSITION:	EA	12							36	-15			
										81349; RC20GF332J RESISTOR, FIXED, FILM:	EA	2							9	-15			
										81349; RN60D1961F RESISTOR, FIXED, FILM:	EA	2							6	-15			
										81349; RN60D1152F RESISTOR, FIXED, COM- POSITION:	EA	1							3	-15			
										81349; RC20GF392J RESISTOR, FIXED, FILM:	EA	2							9	-15			
										81349; RN60D8250F RESISTOR, FIXED, FILM:	EA	1							3	-15			
										81349; RN60D2610F RESISTOR, VARIABLE:	EA	6							30	-15			
										04387; 2387-500 RESISTOR, VARIABLE:	EA	REF								-15			
										SAME AS D443AM RESISTOR, FIXED, FILM:	EA	3							9	-15			
										81349; RN60D1211F RESISTOR, FIXED, FILM:	EA	3							9	-15			

P	D	59059544642							D	D449 M	81349; RN60D1001F RESISTOR, FIXED, FILM:	EA		3							12	5-27 -15	R28
P	D	59057611981							D	D450	81349; RN60D1621F RESISTOR, FIXED, FILM:	EA		3							9	5-27 -15	R29
P	D	59057818015							D	D451	81349; RN60D2151F RESISTOR, FIXED, FILM:	EA		3							9	5-27 -15	R31
		59057818015							D	D452	81349; RN60D3480F RESISTOR, FIXED, FILM: SAME AS D451	EA		REF								5-27 -15	R12
P	D	59059655554							D	D453	81349; RN60D6810F RESISTOR, FIXED, FILM:	EA		1							3	5-27 -15	R32
P	D	59051959481							D	D454	81349; RN60D6810F RESISTOR, FIXED, COM- POSITION:	EA		1							3	5-27 -15	R33
																						5-27	R34
P	D	59050507598							D	D455	81349; RN20GF751J RESISTOR, FIXED, FILM:	EA		1							3	-15	
P	D	59618921009							D	D456	81349; RN60D1401F SEMI-CONDUCTOR DE- VICE, DIODE:	EA		8							24	5-27 -15	R26
																						5-27	CR1
P	D	59611070748							D	D457	81349; 1N963B SEMI-CONDUCTOR DE- VICE, DIODE:	EA		8							24	-15	
																						5-27	CR2

		REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)									
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)						
													(A)	(B)	(C)	(A)	(B)	(C)					FIG. NO.	(B) ITEM NO. OR REF DESIGN				
				1	2	3	4	5	6				IND CD	DESCRIPTION	1-5	6-10	11-20	1-5			6-10	11-20						
			59611070748						D	D458	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D457	EA		REF												-15		CR3
			59611070748						D	D459	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D457	EA		REF												-15		CR4
P	D		59610816103						D	D461	81349; 1N823 SEMI-CONDUCTOR DE- VICE, DIODE:	EA		4					12							-15		CR6
			59610816103						D	D462 M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D461	EA		REF												-15		CR5
P	D		59610540046						D	D463	TRANSISTOR: 81349; 2N1711	EA		34					170							-15		Q1
			59610540046						D	D464	TRANSISTOR: SAME AS D463	EA		REF												-15		Q4
			59610540046						D	D465	TRANSISTOR: SAME AS D463	EA		REF												-15		Q5
			59610540046						D	D466	TRANSISTOR: SAME AS D463	EA		REF												-15		Q6
			58610540046						D	D467	TRANSISTOR: SAME AS D463	EA		REF												-15		Q7
			59610540046						D	D468	TRANSISTOR: SAME AS D463	EA		REF												-15		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
P X P P P	H D D D D D D D D D D D D D	T	59618804779						D	D470	TRANSISTOR: SAME AS D469	EA	REF									-15	
			59618804779						D	D471	TRANSISTOR: SAME AS D469	EA	REF									5-27	Q3
			74400189638						C	D472A	CIRCUIT CARD ASSEMBLY: 06809; 40-000011-1	EA	1	1	2	3	1	2	3		3	-15	Q9
									D	D473A	PRINTED CIRCUIT BOARD 06809; 40-000009-1	EA	1									4-17	93
			59101145282						D	D474A	CAPACITOR, FIXED, ELECTROLYTIC: 03508; 75F2R18473	EA	2								6	-15	
			59100613200						D	D475A	CAPACITOR, FIXED, PAPER: SAME AS D421A	EA	REF									5-28	C2
			59059570643						D	D476	RESISTOR, FIXED, FIL M: SAME AS D447	EA	REF									-15	
			59059570643						D	D477	RESISTOR, FIXED, FILM: SAME AS D447	EA	REF									5-28	R1
			59059570643						D	D478	RESISTOR, FIXED, FILM: SAME AS D447	EA	REF									-15	R2
			59059570643						D	D479	RESISTOR, FIXED, FILM: SAME AS D447	EA	REF									5-28	R3
			59051712006						D	D480A	RESISTOR, FIXED, COM- POSITION: 81349; RC20GF271J	EA	11								33	-15	R23
																						5-28	R4

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
P P P P P P P	D D D D D D D D D D D D D		59051908889						D	D481 M	RESISTOR, FIXED, COM- POSITION: 81349; RC20GF101J	EA	6								12	-15	R22
			59051908889						D	D482 M	RESISTOR, FIXED, COM- POSITION: SAME AS D481 M	EA	REF									-15	R35
			59051908889						D	D483 M	RESISTOR, FIXED, COM- POSITION: SAME AS D481 M	EA	REF									-15	R36
			59052791757						D	D484	RESISTOR, FIXED, COM- POSITION: SAME AS D436	EA	REF									-15	R5
			59052793504						D	D485	RESISTOR, FIXED, COM- POSITION: 81349; RC20GF472J	EA	11								33	-15	R6
			59052793504						D	D486	RESISTOR, FIXED, COM- POSITION: SAME AS D485	EA	REF									-15	R11
			59052791889						D	D487	RESISTOR, FIXED, COM- POSITION: 81349; RC20GF361J	EA	1								3	-15	R12
			59059529230						D	D488	RESISTOR, FIXED, FILM: 81349; RN60D7500F	EA	2								6	-15	R13
			59059529230						D	D489	RESISTOR, FIXED, FILM: SAME AS 0488	EA	REF									-15	R28
			59051956806						D	D490	RESISTOR, FIXED, COM- POSITION: SAME AS D423	EA	REF									-15	R14

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(11) I L L U S T R A T I O N S			
				MODEL									IND C D	D E S C R I P T I O N	(A)	(B)	(C)	(A)			(B)	(C)	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
P	D		59051956806					D	D491	RESISTOR, FIXED, COM- POSITION: SAME AS D423	EA		REF									-15 5-28	R29	
			59058407609					D	D7492	RESISTOR, FIXED, FILM: 81349: RN60C1871F	EA		4					12				-15 5-28	R16	
			59058407609					D	D7493	RESISTOR, FIXED, FILM: SAME AS D492	EA		REF									-15 5-28	R18	
			59058407609					D	D494	RESISTOR, FIXED, FILM: SAME AS D492	EA		REF									-15 5-28	R31	
			59058407609					D	D495	RESISTOR, FIXED, FILM: SAME AS D492	EA		REF									-15 5-29	R33	
								D	D496AM	RESISTOR, VARIABLE: SAME AS D443AM	EA		REF									-15 5-28	R17	
								D	D497AM	RESISTOR, VARIABLE: SAME AS D443AM	EA		REF									-15 5-28	R19	
			59051712006					D	D498 M	RESISTOR, FIXED, COM- POSITION: SAME AS D480A	EA		REF									-15 5-28	R19	
			59051712006					D	D499 M	RESISTOR, FIXED, COM- POSITION: SAME AS D480A	EA		REF									-15 5-28	R34	
			59052793517					D	D50D	RESISTOR, FIXED, COM- POSITION: SAME AS D435	EA		REF									-15 5-28	R20	
			59051923973					D	D501	RESISTOR, FIXED, COM- POSITION: SAME AS D434B	EA		REF									-15 5-28	R21	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(11) I L L U S T R A T I O N S			
				MODEL									IND C D	D E S C R I P T I O N	(A)	(B)	(C)	(A)			(B)	(C)	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
P	D		59050870545					D	D502	RESISTOR, FIXED, WIRE- WOUND: 81349: RW59V102	EA		2									6	-15 5-28	R24
			59050870545					D	D503	RESISTOR, FIXED, WIRE- WOUND: SAME AS D502	EA		REF										-15 5-28	R26
P	D		59052494195					D	D504	RESISTOR, FIXED, COM- POSITION: 81349: RC2DGF752I	EA		2						6				-15 5-28	R27
			59051908887					D	D505	RESISTOR, FIXED, COM- POSITION: SAME AS D425	EA		REF										-15 5-28	R8
			59050693914					D	D506 M	RESISTOR, FIXED, FIL M: SAME AS D438 M	EA		REF										-15 5-28	R30
P	D		59058926578					D	D597A M	RESISTOR, FIXED, FILM: 81349: RN60D5621F	EA		10						27				-15 5-28	R9
P	D		59050518003					D	D508	RESISTOR, FIXED, FILM: 81349: RN60D1582F	EA		2						6				-15 5-28	R25
P	D		59059855435					D	D509	RESISTOR, FIXED, FILM: 81349: RN60D7501F	EA		1						3				-15 5-28	R10
			59059544642					D	D510 M	RESISTOR, FIXED, FILM: SAME AS D449 M	EA		REF										-15 5-28	R15
			59057818015					D	D511	RESISTOR, FIXED, FILM: SAME AS D451	EA		REF										-15 5-28	R7
			59611070748					D	D512	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D457	EA		REF										-15 5-28	CR1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59611070748					D	D513	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D457	EA		REF							-15 5-28	CR2	
			59611070748					D	D514	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D457	EA		REF							-15 5-28	CR3	
			59611070748					D	D515	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D457	EA		REF							-15 5-28	CR6	
			59610816103					D	D516	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D461	EA		REF							-15 5-28	CR4	
			59610816103					D	D517	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D461	EA		REF							-15 5-28	CR8	
P	D		59611070819					D	D518	SEMI-CONDUCTOR DEVICE, DIODE: 98675: 40809	EA		2					6		-15 5-28	CR5	
			59611070819					D	D519	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D518	EA		REF							-15 5-28	CR9	
P	D		59610888792					D	D520 M	SEMI-CONDUCTOR DEVICE, DIODE: 86348: 1N5059	EA		36					99		-15 5-28	CR7	
			59610540046					D	D521	TRANSISTOR: SAME AS D463	EA		REF							-15 5-28	Q1	
			59610540046					D	D522	TRANSISTOR: SAME AS D463	EA		REF							-15 5-28	Q3	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59610540046					D	D523	TRANSISTOR: SAME AS D463	EA		REF							-15 5-28	Q4	
			59660540046					D	D524	TRANSISTOR: SAME AS D463	EA		REF							-15 5-28	Q5	
			59610540046					D	D525	TRANSISTOR: SAME AS D463	EA		REF							-15 5-28	Q7	
			58618804778					D	D526	TRANSISTOR: SAME AS D469	EA		REF							-15 5-28	Q2	
			59618804779					D	D527	TRANSISTOR: SAME AS D469	EA		REF							-15 5-28	Q6	
			59618804779					D	D52B	TRANSISTOR: SAME AS D469	EA		REF							-15 5-28	Q8	
			59618804779					D	D529	TRANSISTOR: SAME AS D469	EA		REF							-15 5-28	Q9	
			59618804779					D	D231	TRANSISTOR: SAME AS D469	EA		REF							-15 5-28	Q10	
			59618804779					D	D531	TRANSISTOR: SAME AS D469	EA		REF							-15 5-28	Q11	
P	H	T	74400189637					C	D532A	CIRCUIT CARD ASSEMBLY: 06809: 40-000014-1	EA	1	1	2	3	1	2	3	3	-15 4-17	94	
X1	D		59101145282					D	D533A	PRINTED CIRCUIT BOARD: 06809: 40-000012-1	EA		1							-15 5-29		
			59101145282					D	D534A	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS D474A	EA		REF							-15 5-29	C1	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6														IND CD	DESCRIPTION	1-5	6-10	11-20	1-5	6-10	11-20
P	D		59056767410						D	D535	RESISTOR, FIXED, WIRE- WOUND: 81349; RW59V182	EA								3	-15 5-29	R1	
			59052791757						D	D536	RESISTOR, FIXED, COM- POSITION: SAME AS D436	EA										-15 5-29	R2
P	O		59059522148						D	D537	RESISTOR, FIXED, FILM: 81349; RN6DD3011F	EA								3	-15 5-29	R3	
P	D		59059695854						D	D538	RESISTOR, FIXED, FILM: 81349; RN60D5620F	EA								3	-15 5-29	R4	
P	D		59051956791						D	D539 M	RESISTOR, FIXED, COM- POSITION: 81349; RC20GF681J	EA								60	-15 5-29	R5	
			59051956791						D	D540 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA										-15 5-29	R21
			59051923973						D	D541AM	RESISTOR, FIXED, COM- POSITION: SAME AS D-434B	EA										-15 5-29	R6
P	D		59056895771						D	D542A	RESISTOR, FIXED, WI RE- WOUND: 63743; 3X3000	EA								3	-15 5-29	R11	
			59051923973						D	D543 M	RESISTOR, FIXED, COM- POSITON: SAME AS D434B	EA										-15 5-29	R8
P	D		59052792616						D	D544	RESISTOR, FIXED, COM- POSITION: 81349; RC20GF153J	EA								12	-15 5-29	R9	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6														IND CD	DESCRIPTION	1-5	6-10	11-20	1-5	6-10	11-20
			59052792616						D	D545	RESISTOR, FIXED, COM- POSITION: SAME AS D544	EA										-15 5-29	R10
P	D		59050883847						D	D546	RESISTOR, FIXED, WIRE- WOUND: 81349; RW59V202	EA									12	-15 S-29	R7
			59050883647						D	D547	RESISTOR, FIXED, WIRE- WOUND: SAME AS D546	EA										-15 5-29	R12
			59050883847						D	D548	RESISTOR, FIXED, WIRE- WOUND: SAME AS D546	EA										-15 5-29	R13
P	D		59050442228						D	D549A	RESISTOR, FIXED, WIRE- WOUND:: 81349; RW69V471	EA									3	-15 5-29	R14
			59051908887						D	D550	RESISTOR, FIXED, COM- POSITI ON: SAME AS D425	EA										-15 5-29	R15
P	D		59050693116						D	D551	RESISTOR, FIXED, FILM: 81349; RN60D3831F	EA									3	-15 5-2 9	R16
P	D		59056863380						D	D552	RESISTOR, FEED, FILM: 81349; RN60C2871F	EA									3	-15 5-29	R17
			59051777154						D	DS53AM	RESISTOR, VARIABLE: SAME AS D443AM	EA										-15 5-2 9	R18
P	D		59057814857						D	D554	RESISTOR, FEED, FILM: 81349; RN60D9531F	EA									3	-15 5-29	R19
P	D		59059526023						D	D555	RESISTOR, FECED, FILM: 81349; RN60D3162F	EA									3	-15 5-29	R20

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		59059452664					D	D556	RESISTOR, FIXED, COM- POSITION: 81349; RC20GF103J	EA		3						9	-15 5-29	R23	
			59052494195					D	D557	RESISTOR, FIXED, COM- POSITION: SAME AS D504	EA		REF							-15 5-29	R22	
P	D		59059522146					D	D558	RESISTOR, FIXED, FILM: 81349; RN60D5111F	EA		1					3	-15 5-29	R24		
			59611070748					D	D559	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D457	EA		REF							-15 5-29	CR2	
P	D		59611070820					D	D560A	SEMI-CONDUCTOR DE- VICE, DIODE: 06809; 40-000126-1	EA		2					6	-15 5-29	CR1		
			59611070820					D	D561A	SEMI-CONDUCTOR DE- VICE, DIODE:	EA		REF							-11 5-29	CR5	
P	D		59619426756					D	D562	SEMI-CONDUCTOR DE- VICE, DIODE: 81349; 1N942	EA		1					3	-15 5-29	CR3		
P	D		59618360382					D	D563	SIEMI-CONDUCTOR DE- VICE, DIODE: 81349; 1N3022A	EA		1					3	-15 5-29	CR4		
			59618804779					D	D564	TRANSISTOR: SAME AS 0469	EA		REF							-15 5-29	Q1	
			59610540046					D	D565	TRANSISTOR: SAME AS D463	EA		REF							-15 5-29	Q2	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		59610540046					D	D566	TRANSISTOR: SAME AS D463	EA		REF							100	-15 5-29	Q3
			59619494440					D	D567	TRANSISTOR: 81349; 2N2905A	EA		20								-15 5-29	Q4
			59619494440					D	D568	TRANSISTOR: SAME AS D567	EA		REF								-15 5-29	Q5
			59619494440					D	D569	TRANSISTOR: SAME AS D567	EA		REF								-15 5-29	Q6
			59619494440					D	D570	TRANSISTOR: SAME AS D567	EA		REF								-15 5-29	Q7
			59619494440					D	D571	TRANSISTOR: SAME AS D567	EA		REF								-15 5-29	Q8
P	D		59611332884					D	D572	TRANSISTOR: 81349; 2N2243A	EA		3					15	-15 5-29	Q9		
A	H	R						C	D573B	HEATSINK ASSEMBLY: 06809; 40-000083-1	EA		1								-15 4-17	62
			53050546652					*	D574	SCREW, MACHINE: SAME AS A951 M	EA		REF								-15 4-17	59
			53100821404					*	D575	WASHER, FLAT: SAME AS D371	EA		REF								-15 4-17	61
			53100454007					*	D576	WASHER, LOCK: SAME AS D372	EA		REF								-15 4-17	60
X2	H							D	D577B	END PLATE 06809; 40-000017-1	EA		2								-15 4-17	62.1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			53050546654					*	D578 M	SCREW, MACHINE: SAME AS C373 M	EA		REF										-15		
C	H		53101941548					*	D579	WASHER, FLAT: 96906; MS15795-205	EA	49											4-17	62.2	
C	H		53101983724					*	D580	WASHER, LOCK: 96906; M535337-41	EA	21											4-17	62.4	
								D	D581A	END PLATE: SAME AS D577B	EA		REF										4-17	62.3	
			53050546654					*	D582 M	SCREW, MACHINE: SAME AS C373 M	EA		REF										4-17	62.1	
			53101941548					*	D583	WASHER, FLAT: SAME AS D579	EA		REP										4-17	62.2	
			53101983724					*	D584	WASHER, LOCK: SAME AS D580	EA		REF										4-17	62.4	
X2	H							D	D585A	COVER, SIDE: 06809; 40-000015-1	EA	2											4-17	62.3	
A	H	R						D	D586A	HEATSINK SUBASSEMBLY: 06809; 40-000042-1	EA	1											4-17	62.5	
			53050546657					*	D587	SCREW, MACHINE: SAME AS A963	EA		REF										4-17	62.6	
			53101941548					*	D588	WASHER, FLAT: SAME AS D579	EA		REP										4-17	62.7	
			53101983724					*	D589	WASHER, LOCK: SAME AS D580	EA		REF										4-17	62.9	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H		59108388395					E	D590	CAPACITOR, FIXED, PAPER: 03508; 75F1R1B103	EA	14		1	2	3	1	2	3			42	-15	C1	
			59108388395					E	D591	CAPACITOR, FIXED, PAPER: SAME AS D590	EA		REF										5-30	C2	
P	H		59108388395					E	D592	CAPACITOR, FIXED, PAPER: 03508; 75F1R2B103	EA	2		1	2	3	1	2	3			6	-15	C3	
			59108388395					E	D593	CAPACITOR, FIXBED, PAPER: SAME AS D592	EA		REF										5-30	C4	
P	H		59351020130					E	D594	CONNECTOR, PLUG, ELECTRICAL: 00779; 1-480278-5	EA	1		1	2	3	1	2	3			3	-15	P1	
P	H		59351020181					E	D595	CONNECTOR, PLUG, ELECTRICAL: 00779; 1-480278-6	EA	1		1	2	3	1	2	3			3	-15	P2	
P	H		59351048551					E	D596A	CONTACT, ELECTRICAL: 00779; 61118-1	EA	43		25	50	76	25	50	75			86	-15	H1	
P	H		5340782837					E	D597	CLAMP, CABLE: 09922; HP-4N	EA	4		*	*	*	*	*	*			4	-15	H2	
C	H		53050546653					*	D598 M	SCREW, MACHINE 96906; MS51957-29	EA	27											5-30	H3	
C	H		53100431754					*	D599	WASHER, LOCK 96906; MS35337-79	EA	12											5-30	H4	
			53101941548					*	D600	WASHER, FLAT: SAME AS D579	EA		REF										5-30	H5	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H		59059027456						E	D601 M	RESISTOR, FIXED, WIRE- WOUND: 81349: RW57GR20	EA		6	1	2	3	1	2	3		18	-15 5-30	R1	
			59059027456						E	D602 M	RESISTOR, FIXED, WIRE - WOUND: SAME AS D601 M	EA		REF									-15 5-30	R2	
			59059027456						E	D603 M	RESISTOR, FIXED, WIRE- WOUND: SAME AS D601 M	EA		REF									-15 5-30	R3	
P	H		59059516735						E	D604	RESISTOR, FIXED, WIRE- WOUND: 81349: RW59V151	EA		3	1	2	3	1	2	3		9	-15 5-30	R5	
P	H		59052267626						E	D605B	RESISTOR, FIXED, WIRE- WOUND: 63743: 3X6000	EA		1	1	2	3	1	2	3		3	-15 5-30	R4	
P	H		59617525395						E	D606	SEMI-CONDUCTOR DE- VICE, DIODE: 81349: 1N1184	EA		2	2	3	1	2	3			6	-15 5-30	CR1	
			59617525395						E	D607	SEMI-CONPUCTOR DE- VICE, DIODE: SAME AS D606	EA		REF									-15 5-30	CR2	
P	H		59619350138						E	D608	SEMI-CONDUCTOR DE- VICE, DIODE: 81349: 1N1202	EA		2	1	2	3	1	2			6	-15 5-30	CR3	
			59619350138						E	D609	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D608	EA		REF									-15 5-30	CR4	
P	H		59611996 008						E	D610	TRANSISTOR: 81349: 2N3055	EA		13	1	2	3	1	2	3		65	-15 5-30	Q1	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			53050546653						*	D611 M	SCREW, MACHINE: SAME AS D598 M	EA		REF									-15 5-30	H6	
			53100431754						*	D612	WASHER, LOCK: SAME AS D599	EA		REF									-15 5-30	H7	
			53101941548						*	D613	WASHER, FLAT: SAME AS D579	EA		REF									-15 5-30	H8	
									E	D614	TRANSISTOR- SAME AS D610	EA		REF									-15 5-30	Q2	
			53050546 653						*	D615 M	SCREW, MACHINE: SAME AS D598 M	EA		REF									-15 5-30	H6	
			53100431754						*	D616	WASHER, LOCK: SAME AS D599	EA		REF									-15 5-30	H7	
			53101941548						*	D617	WASHER, FLAT: SAME AS D579	EA		REF									-15 5-30	H8	
									E	D618	TRANSISTOR: SAME, AS D610	EA		REF									-15 5-30	Q3	
			53050546653						*	D619 M	SCREW, MACHINE: SAME AS D598 M	EA		REF									-15 5-30	H6	
			53100431754						*	D620	WASHER, LOCK: SAME AS D 599	EA		REF									-15 5-30	H7	
									*	D621	WASHER, FLAT: SAME AS D579	EA		REF									-15 5-30	H8	
									E	D622	TRANSISTOR: SAME AS D610	EA		REF									-15 5-30	Q4	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53050546653					*	D623 M	SCREW, MACHINE: SAME AS D598 M	EA		REF							-15		
			53100431754					*	D624	WASHER, LOCK: SAME AS D559	EA		REF							5-30	H6	
			53101941548					*	D625	WASHER, FLAT: SAME AS D579	EA		REF							-15	H7	
C	H		59405015555					E	D626	TERMINAL, LUG: 00779; 34112	EA		6							5-30	H8	
C	H		59409439539					E	D627	TERMINAL, LUG: 00779; 34113	EA		5							-15	H9	
X2	H							E	D628A	HEAT-SINK: 06809; 40-000097-1	EA									5-30	H10	
X1	H							F	D629A	EXTRUSION: 06809; 40-000004-1	EA		3							-15		
C	H		53108034994					F	D630	NUT, SELFLOCKING LOCKING: 46384; CLS63 2-3	EA		12							5-30		
C	H							F	D631	TERMINAL STUD:: 86577; 2D6-29F	EA		3							-15	E4	
C	H							F	D632	TERMINAL STUD, 98291; FTSM66L4	EA		53							-15	E2	
								F	D633	TERMINAL STUD: SAME AS 0632	EA		REF							-15	E3	
								F	D634	TERMINAL STUD: SAME AS D632	EA		REF							5-30	E1	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
								F	D635	TERMINAL STUD: SAME AS D632	EA		REF							-15		
								F	D636	TERMINAL STUD: SAME AS D632	EA		REF							5-30	E5	
								F	D637	TERMINAL STUD: SAME AS D632	EA		REF							-15	E6	
								F	D638	TERMINAL STUD: SAME AS D632	EA		REF							5-30	E7	
								F	D639	TERMINAL STUD: SAME AS D632	EA		REF							-15	E8	
								F	D640	TERMINAL STUD: SAME AS D632	EA		REF							5-30	E9	
								F	D641	TERMINAL STUD: SAME AS D632	EA		REF							-15	E10	
								F	D642	TERMINAL STUD: SAME AS D632	EA		REF							5-30	E11	
								F	D643	TERMINAL STUD: SAME AS D632	EA		REF							-15	E12	
								F	D644	TERMINAL STUD: SAME AS D632	EA		REF							5-30	E13	
								F	D645	TERMINAL STUD: SAME AS D632	EA		REF							-15	E14	
								F	D646	TERMINAL STUD: SAME AS D632	EA		REF							5-30	E15	
								F	D646	TERMINAL STUD: SAME AS D632	EA		REF							-15	E16	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6														IND CD	DESCRIPTION	1-5	6-10	11-20	1-5	6-10	11-20
A	H	R	53050546657						F	D647	TERMINAL STUD: SAME AS D632	EA									-15 5-30	E17
			53101941548						F	D68	TERMINAL STUD: SAME AS D632	EA									-15 5-30	E18
			53101983724						F	D649	TERMINAL STUD: SAME AS D632	EA									-15 5-30	E19
			59108368395						D	D650A	HEAT-SINK ASSEMBLY: 06809; 40-000039-1	EA									-15 4-17	62.10
			59108388395						*	D651	SCREW MACHINE: SAME AS A963	EA									-15 4-17	62.7
			59108388395						*	D652	WASHER, FLAT: SAME AS D579	EA									-15 4-17	62.9
			59108388395						E	D653	WASHER, LOCK: SAME AS D580	EA									-15 4-17	62.8
			59108388395						E	D654	CAPACITOR, FIXED, PAPER: SAME AS D590	EA									-15 5-31	C1
			59108388395						E	D655	CAPACITOR, FIXED, PAPER: SAME AS D590	EA									-15 5-31	C2
			59108388395						E	D656	CAPACITOR, FIXED, PAPER: SAME AS D590	EA									-15 5-31	C3
			59108388395						E	D657	CAPACITOR, FIXED, PAPER: SAME AS D590	EA									-15 5-31	C4

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)						
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)				
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN				
				1	2	3	4	5	6														IND CD	DESCRIPTION	1-5	6-10	11-20	1-5	6-10	11-20
P	H		59351020129						E	D658	CONNECTOR, PLUG, ELECTRICAL: 00779; 1-480278-2	EA		1	1	1	1	1	1	1	1	1	3	-15 5-31	P1	
P	H		59350505307						E	D659	CONNECTOR, PLUG, ELECTRICAL: 00779; 1-480278-3	EA		1	1	1	1	1	1	1	1	1	3	-15 5-31	P2	
			59351048551						E	D660A	CONTACT, ELECTRICAL: SAME AS D596A	EA												-15 5-31	H1	
			53409705484						E	D661	CLAMP, LOOP: SAME AS D597	EA												-15 5-31	H2	
			53050546653						*	D662 M	SCREW, MACHINE: SAME AS D598 M	EA												-15 5-31	H3	
			53101941548						*	D663	WASHER, FLAT: SAME AS D579	EA												-15 5-31	H4	
C	H		53105967674						*	D664	WASHER, LOCK: 96906; MS35337-22	EA		13										-15 5-31	H5	
			59059027456						E	D665 M	RESISTOR, FIXED, WIRE- WOUND: SAME AS 0601 M	EA												-15 5-31	R1	
			59059027456						E	0666 M	RESISTOR, FE:ED, WERE- WOUND: SAME AS D601 M	EA												-15 5-31	R2	
			59059027456						E	0667 M	RESISTOR, FIXED, WIRE- WOUND: SAME AS 0601 M	EA												-15 5-31	R3	
P	H		59058841502						E	D668A	RESISTOR, FIXED, WIRE- WOUND: 81349; RW/57GR30	EA		3	1	2	3	1	2	3	9				-15 5-13	R6

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW. BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)					(B)	(C)
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20
			59058841502						E	D669A	RESISTOR, FIXED, WIRE-WOUND: SAME AS D668A	EA									-15 5-31	R7
			59058841502						E	D670A	RESISTOR, FIXED, WIRE-WOUND: SAME AS D668A	EA									-15 5-31	R8
P	H		59058890010						E	D671	RESISTOR, FIXED, WIRE-WOUND: 81349; RW58V100	EA	1	2	3	1	2	3		3	-15 5-31	R5
P	H		59050880636						E	D672	RESISTOR, FIXED, WIRE-WOUND: 81349; RW59V601	EA	6	2	3	1	2	3		18	-15 5-31	R4
			59050880636						E	D673	RESISTOR, FIXED, WIRE-WOUND: SAME AS D672	EA									-15 5-31	R10
			59050880636						E	D674	RESISTOR, FIXED, WIRE-WOUND: SAME AS D672	EA									-15 5-31	R11
			59050880636						E	D675	RESISTOR, FIXED, WIRE-WOUND: SAME AS D672	EA									-15 5-31	R12
P	H		59050601233						E	D676A	RESISTOR, FIXED, COMPOSITION: 81349; RWSBVR27	EA	2	2	3	1	2	3		6	-15 5-31	R9
P	H		59617526158						E	D677	SEMI-CONDUCTOR DEVICE, DIODE: 81349; 1N1200	EA	4	2	3	1	2	3		12	-15 5-31	CR1
			59617526158						E	D678	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D677	EA									-15 5-31	CR2

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW. BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)					(B)	(C)
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20
			59617526158						E	D679	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D677	EA									-15 5-31	CR3
			59617526136						E	D680	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D677	EA									-15 5-31	CR4
			59611996008						E	D681	TRANSISTOR, SAME AS D610	EA									-15 5-31	Q1
			53850546653						D	682 M	SCREW, MACHINE: SAME AS D598 M	EA									-15 5-31	H6
			53101941548						D	683	WASHER, FLAT: SAME AS D579	EA									-15 5-31	H7
			53105967674						D	684	WASHER, LOCK: SAME AS D664	EA									-15 5-31	H8
			59611996008						E	D685	TRANSISTOR: SAME AS D610	EA									-15 5-31	Q2
			53050046653						*	D686 M	SCREW, MACHINE: SAME AS D598 M	EA									-15 5-31	H6
			53101941548						*	D687	WASHER, FLAT: SAME AS D579	EA									-15 5-31	H7
			53105967674						*	D688	WASHER, LOCK: SAME AS D664	EA									-15 5-31	H8
			59611996008						E	D689	TRANSISTOR: SAME AS D610	EA									-15 5-31	Q3
			53050546653						*	D690 M	SCREW, MACHINE: SAME AS D598 M	EA									-15 5-31	H6

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53101941548					*	D691	WASHER, FLAT- SAME AS D579	EA									-15	H7	
			53105067674					*	D692	WASHER, LOCK: SAME AS D664	EA									-15	H8	
			59611996008					E	D693	TRANSISTOR: SAME AS D610	EA									-15	Q4	
			53050546653					*	D694 M	SCREW, MACHINE: SAME AS D598	EA									-15	H6	
			53101041548					*	D695	WASHER, FLAT: SAME AS D579	EA									-15	H7	
			53105067674					*	D696	WASHER, LOCK: SAME AS D664	EA									-15	H8	
			59611996008					E	D697	TRANSISTOR: SAME AS D610	EA									-15	Q5	
			53050546654					*	D698 M	SCREW, MACHINE: SAME AS C373 M	EA									-15	H9	
			53105967674					*	D699	WASHER, LOCK: SAME AS D664	EA									-15	H8	
			53101941548					*	D700	WASHER, FLAT: SAME AS D579	EA									-15	H7	
X2	H							*	D701	INSULATOR DISK: 08289; DMI03SL	E A									-15	H10	
C	H		59709103528					*	D702	WASHER, NON METAL: 08289; MW375-140	EA									-15	H11	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
X2	H								D703A	BUSHING 06809; 4 0-000111-1	EA									-15	H12	
			53109349761					*	D704	NUT, PLAIN, HEXAGON: SAME AS A965	EA									-15	H13	
C	H		59400584543					*	D705	TERMINAL LUG: 79963; 505	EA									-15	H14	
			59611996008					E	D706	TRANSISTOR: SAME AS D610	EA									-15	Q6	
			53050548654					*	D707 M	SCREW, MACHINE: SAME AS C373 M	EA									-15	H9	
			53105067674					*	D708	WASHER, LOCK: SAME AS D664	EA									-15	H8	
			53101941548					*	D709	WASHER, FLAT: SAME AS D579	EA									15	H7	
								*	D710	INSULATOR DISK: SAME AS D701	EA									-15	H10	
			59709103528					*	D711	WASHER, NON METAL: SAME AS D702	EA									-15	H11	
								*	D712A	BUSHING: SAME AS D703A	EA									-15	H12	
			53109349761					*	D713	NUT, PLAIN, HEXAGON: SAME AS A965	EA									-15	H13	
			59400584543					*	D714	TERMINAL LUG: SAME AS D705	EA									-15	H14	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59611996008						E	D715	TRANSISTOR SAME AS D610	EA									-15	
			53050546654						*	D716 M	SCREW, MACHINE: SAME AS C373 M	EA									5-31	Q7
			53105967674						*	D717	WASHER, LOCK: SAME AS D664	EA									-15	H9
			53101941548						*	D718	WASHER, FLAT: SAME AS D579	EA									5-31	H8
									*	D719	INSULATOR DISK: SAME AS D701	EA									-15	
			59709103528						*	D720	WASHER, NON METAL: SAME AS D702	EA									5-31	H10
									*	D721A	BUSHING: SAME AS D703A	EA									-15	
			53109349761						*	D722	NUT, PLAIN, HEXAGON: SAME AS A965	EA									5-31	H12
			59400584543						*	D723	TERMINAL LUG: SAME AS D705	EA									-15	H13
			59611996008						E	D724	TRANSISTOR: SAME AS D610	EA									5-31	H14
			53050546654						*	D725 M	SCREW, MACHINE: SAME AS C373 M	EA									-15	Q8
			53105967674						*	D726	WASHER, LOCK: SAME AS D664	EA									5-31	H9
																					-15	H8

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53101941548						*	D727	WASHER, FLAT: SAME AS D579	EA									-15	
									*	D728	INSULATOR DISK: SAME AS D701	EA									5-31	H7
			59709103528						*	D729	WASHER, NON METAL: SAME AS D702	EA									-15	H10
									*	D730A	BUSHING: SAME AS D703A	EA									5-31	H11
			53109349761						*	D731	NUT, PLAIN, HEXAGON: SAME AS A965	EA									-15	H12
			59400584543						*	D732	TERMINAL LUG: SAME AS D705	EA									5-31	H13
			59405015859						E	D733	TERMINAL, LUG: SAME AS D626	EA									-15	H14
	X2	H							E	D734A	HEATSINK: 06809:40-000030-1	EA									5-31	H15
									F	D735A	EXTRUSION: SAME AS D629A	EA									-15	
			53108034994						F	D736	NUT, SELFLOCKING LOCKING: SAME AS D630	EA									5-31	
									F	D737	TERMINAL STUD: SAME AS D632	EA									-15	E5
									F	D738	TERMINAL STUD: SAME AS D632	EA									5-31	E6

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
								F	D739	TERMINAL STUD: SAME AS D632	EA									-15	E7	
								F	D740	TERMINAL STUD: SAME AS D632	EA									-15	E9	
								F	D741	TERMINAL STUD: SAME AS D632	EA									-15	E10	
								F	D742	TERMINAL STUD: SAME AS D632	EA									-15	E11	
								F	D743	TERMINAL STUD: SAME AS D632	EA									-15	E12	
								F	D744	TERMINAL STUD: SAME AS D632	EA									-15	E13	
								F	D745	TERMINAL STUD: SAME AS D632	EA									-15	E14	
								F	D746	TERMINAL STUD: SAME AS D632	EA									-15	E15	
								F	D747	TERMINAL STUD: SAME AS D632	EA									-15	E16	
								F	D748	TERMINAL STUD: SAME AS D632	EA									-15	E17	
								F	D749	TERMINAL STUD: SAME AS D632	EA									-15	E18	
								F	D750	TERMINAL STUD: SAME AS D632	EA									-15	E19	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
								F	D751	TERMINAL STUD: SAME AS D632	EA									-15	E20	
								F	D752	TERMINAL STUD: SAME AS D632	EA									-15	E21	
								F	D753	TERMINAL STUD: SAME AS D632	EA									-15	E22	
								F	D754	TERMINAL STUD: SAME AS D632	EA									-15	E23	
								F	D755	TERMINAL STUD: SAME AS D632	EA									-15	E24	
								F	D756	TERMINAL STUD: SAME AS D632	EA									-15	E25	
								F	D757	TERMINAL STUD: SAME AS D632	EA									-15	E26	
								F	D758	TERMINAL STUD: SAME AS D632	EA									-15	E27	
								F	D759	TERMINAL STUD: SAME AS D632	EA									-15	E28	
								F	D760	TERMINAL STUD: SAME AS D632	EA									-15	E29	
								F	D761	TERMINAL STUD: SAME AS D632	EA									-15	E30	
								F	D762	TERMINAL STUD: SAME AS D631	EA									-15	E8	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)					
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20				
A	H	R	53050546657						D	D763 A	HEATSINK SUBASSEMBLY: 06809: 40-000045-1	EA		1										-15	
			53101941548						*	D764	SCREW, MACHM.IFE: SAME AS A963	EA		REF										4-17	62.11
			53101983724						*	D765	WASHER, FIAT: SAME AS 0579	EA		REF										4-17	62.7
			59350544172						*	D766	WASHER, ILOCK: SAME AS D58D	EA		REF										4-17	62.9
P	H		53409705484						E	D767	CONNECTOR, PLUG, ELECTRICAL: 00779; 1-480278-9	EA	1	1	2	3	1	2	3		3			-15	62.8
			53050546653						E	D768A	CONTACT, ELECTRICAL: SAME AS D596A	EA		REF										5-32	H1
			53101941548						E	D769	CLAMP, LOOP: SAME AS D597	EA		REF										5-32	H2
			53100431754						*	D770 M	SCREW, MACHINE: SAME AS D598 M	EA		REF										5-32	H3
			59055429838						*	D771	WASHER, FLAT: SAME AS D579	EA		REF										5-32	H4
									*	D772	WASHER, LOCK: SAME AS D599	EA		REF										5-32	H5
P	H								E	D773	RESISTOR, FEED, WIRE- WOUND: 81349; RW59V5R0	EA	1	1	2	3	1	2	3		3			-15	R1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)					
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20				
			59050601233						E	D774A	RESISTOR, FBCED, COM- POSITION: SAME AS D676A	EA		REF										-15	R2
			59050880636						E	D775	RESISTOR, FIXED, WIRE- WOUND: SAME AS D672	EA		REF										5-32	R3
P	H		59617125578						E	D776	TRANSISTOR: 81349; 2N3442	EA	1	1	2	3	1	2	3		5			-15	Q1
			53050546653						*	D777 M	SCREW, MACHINE: SAME AS D598 M	EA		REF										5-32	H6
			53101941549						*	D778	WASHER, FLAT: SAME AS D579	EA		REF										5-32	H7
			53100431754						*	D779	WASHER, LOCK: SAME AS D599	EA		REF										5-32	H8
P	H		59619997351						E	D780	TRANSISTOR: 05277; 164-10	EA	1	1	2	3	1	2	3		5			-15	Q2
X2	H								E	D781	HFATSINK: 98675; 38939	EA		1										5-32	
			53108034994						F	D782	EXTRUSION: SAME AS D629	EA		REF										5-32	
									F	D783	NUT, SELFLOCKING LOCKING: SAME AS D630	EA		REF										5-32	
									F	D784	TERMINAL STUD: SAME AS D631	EA		REF										-15	E1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)											
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)									
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN									
				1	2	3	4	5	6														IND CD	DESCRIPTION	1-5	6-10	11-20	1-5	6-10	11-20	
P H T X1 D	D	74400189706	59100613200						F	D785	TERMINAL STUD: SAME AS D632	EA									-15 5-32	E2									
									F	D786	TERMINAL STUD: SAME AS D632	EA															-15 5-32	E3			
									F	D787	TERMINAL STUD: SAME AS D632	EA																	-15 5-32	E4	
									F	D788	TERMINAL STUD: SAME AS D632	EA																	-15 5-32	E5	
									F	D789	TERMINAL STUD: SAME AS D632	EA																		-15 5-32	E6
									F	D790	TERMINAL STUD: SAME AS D632	EA																		-15 5-32	E7
									C	D791A	CIRCUIT CARD ASSEMBLY 06809; 40-000152-1	EA						1	1	1	2	3	1	2						-15 4-17	40
										D792A	PRINTED CIRCUIT BOARD 06809; 40-00050-1	EA						1												-15	
									D	D793 M	CAPACITOR, FIXED, PAPER: SAME AS D421A	EA																		15 5-33	C2
									D	D794 M	CAPACITOR, FIXED, PAPER: SAME AS D421A	EA																		-15 5-33	C3
D	D795 M	CAPACITOR, FIXED, PAPER: SAME AS D421A	EA																		-15 5-33	C6									

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)											
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)									
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN									
				1	2	3	4	5	6														IND CD	DESCRIPTION	1-5	6-10	11-20	1-5	6-10	11-20	
P P D P D P D	D	59108388395	59108388395						D	D796	CAPACITOR, FIXED, PAPER: SAME AS D590	EA										-15 5-33	C8								
									D	D797	CAPACITOR, FDIED, PAPER: SAME AS D590	EA																	-15 5-33	C9	
									D	D798	CAPACITOR, FIXED, PAPER: SAME AS D590	EA																		-15 5-33	C11
									D	D799	CAPACITOR, FDCED, ELECTROLYTIC: 81349; CS13BE106K	EA						2												10 -15 5-33	C4
									D	D800	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS D799	EA																		-15 5-33	C5
									D	D801	CAPACITOR, FIXED, ELECTROLYTIC: 81349; CS13BE107K	EA						1												5 -15 5-33	C1
									D	D802	CAPACITOR, FIXED, ELECTROLYTIC: 81349; CL6SRGS8SMP3	EA						2												10 -15 5-33	C10
									D	D803	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS 0802	EA																		-15 5-33	C12
									D	D804	CAPACITOR, FIXED, ELECTROLYTIC: 81349; CS13BP105K	EA						3												9 -15 5-33	C7
									D	D805	RESISTOR, FIXED, COM- POSITION: SAME AS D436	EA																		-15 5-33	R11

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					1-5	6-10	11-20	1-5	6-10	11-20		
			59052791757						D	D806	RESISTOR, FIXED, COM-POSITION: SAME AS D436	EA												-15 5-33	R13					
			59052793506						D	D807	RESISTOR, FIXED, COM-POSITION: SAME AS D437	EA												-15 5-33	R17					
			59052793506						D	D808	RESISTOR, FIXED, COM-POSITION: SAME AS D437	EA												-15 5-33	R22					
			59052793506						D	D809	RESISTOR, FIXED, COM-POSITION: SAME AS D437	EA												-15 5-33	R23					
			59052793506						D	D810	RESISTOR, FIXED, COM-POSITION: SAME AS D437	EA												-15 5-33	R25					
			59052793506						D	D811	RESISTOR, FIXED, COM-POSITION: SAME AS D437	EA												-15 5-33	R32					
			59052793506						D	D812	RESISTOR, FIXED, COM-POSITION: SAME AS D437	EA												-15 5-33	R33					
			59052793506							D813	RESISTOR, FIXED, COM-POSITION: SAME AS D437	EA												-15 5-33	R54					
			59052793506						D	D814	RESISTOR, FIXED, COM-POSITION: SAME AS D437	EA												-15 5-33	R58					
			59052793506						D	D815	RESISTOR, FIXED, COM-POSITION: SAME AS D437	EA												-15 5-33	R71					

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					1-5	6-10	11-20	1-5	6-10	11-20		
			59032793506						D	D816	RESISTOR, FIXED, COM-POSITION: SAME AS D437	EA												-15 5-33	R82					
			59052793506						D	D817	RESISTOR, FIXED, COM-POSITION: SAME AS D437	EA												-15 5-33	R85					
			59052792616						D	D818	RESISTOR, FIXED, COM-POSITION: SAME AS D544	EA												-15 5-33	R15					
			59052792616						D	D819	RESISTOR, FIXED, COM-POSITION: SAME AS D544	EA												-15 5-33	R36					
			590S2793504						D	D820	RESISTOR, FIXED, COM-POSITION: SAME AS D485	EA												-15 5-33	R2					
			59052793504						D	D821	RESISTOR, FDCED, COM-POSITION: SAME AS D485	EA												-15 5-33	R20					
			59052793504						D	D822	RESISTOR, FIXED, COM-POSITION: SAME AS D483	EA												-15 5-33	R27					
			59052793504						D	D823	RESISTOR, FIXED, COM-POSITION: SAME AS 0485S	EA												-15 5-33	R30					
			59052793504						D	D824	RESISTOR, FIXD, COM-POSITION: SAME AS D485	EA												-15 5-33	R41					
			59052793S04						D	D825	RESISTOR, FIXED, COM-POSITION: SAME AS D485	EA												-15 5-33	R46					

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59052793504						D	D826	RESISTOR, FIXED, COM- POSITION: SAME AS D485	EA	REF											-15 5-33	R48
			59052793504						D	D827	RESISTOR, FIXED, COM- POSITION: SAME AS D485	EA	REF											-15 5-33	R68
			59052793504						D	D828	RESISTOR, FIXED, COM- POSITION: SAME AS D485	EA	REF											-15 5-33	R183
			59051956806						D	D829	RESISTOR, FIXED, COM- POSITION: SAME AS D423	EA	REF											-15 5-33	R1
			59051956806						D	DB30	RESISTOR, FIXED, COM- POSITION: SAME AS D423	EA	REF											-15 5-33	R28
			59051956806						D	D831	RESISTOR, FIXED, COM- POSITION: SAME AS D423	EA	REF											-15 5-33	R29
			59051956806						D	D832	RESISTOR, FIXED, COM- POSITION: SAME AS D423	EA	REF											-15 5-33	R34
			59051956806						D	D833	RESISTOR, FIXED, COM- POSITION: SAME AS D423	EA	REF											-15 5-33	R66
			59059452664						D	D834	RESISTOR, FIXED, COM- POSITION: SAME AS D556	EA	REF											-15 5-33	R43
			59059452664						D	D835	RESISTOR, FIXED, COM- POSITION: SAME AS D556	EA	REF											-15 5-33	R64

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6																	
P	D		59052791979						D	D836	RESISTOR, FIXED, COM- POSITION: 81349; RC200GF222J	EA	2											6	-15 5-33	R26
			59052791979						D	D837	RESISTOR, FIXED, COM- POSITION: SAME AS D836	EA	REF												-15 5-33	R39
P	D		59051712004						D	D838	RESISTOR, FIXED, COM- POSITION: 81349; RC020GF223J	EA	2											6	-15 5-33	R31
			59051712004						D	D839	RESISTOR, FIXED, COM- POSITION: SAME AS D838	EA	REF												-15 5-33	R62
			59051956791						D	D840 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA	REF											-15 5-33	R3	
			59051956791						D	D841 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA	REF											-15 5-33	R5	
			59051956791						D	D842 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA	REF											-15 5-33	R12	
			59051956791						D	DB43 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA	REF											-15 5-33	R14	
			59051956791						D	D844 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA	REF											-15 5-33	R21	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)	(A)	(B)
1	2	3	4	5	6	CD	1-5	6-10	11-20	1-5	6-10	11-20	1-5	6-10	11-20							
			59051956791					D	D846 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA		REF							-15 5-33	R24	
			59051956791					D	D847 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA		REF							-15 5-33	R31	
			59051956791					D	D848 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA		REF							-15 5-33	R37	
			59051956791					D	D849 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA		REF							-15 5-33	R38	
			59051956791					D	D850 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA		REF							-15 5-33	R40	
			59051956791					D	D851 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA		REF							-15 5-33	R42	
			59051956791					D	D852 M	RESISTOR, FIXED, COM - POSITION: SAME AS D539 M	EA		REF							-15 5-33	R47	
			59051956791					D	D853 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA		REF							-15 5-33	R49	
			59051956791					D	D854 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA		REF							-15 5-33	R52	
			59051956791					D	D855 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA		REF							-15 5-33	R57	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)	(A)	(B)
1	2	3	4	5	6	CD	1-5	6-10	11-20	1-5	6-10	11-20	1-5	6-10	11-20							
			5905195679 1					D	D856 M	RESISTOR, FIXED, COM- POSITION: SAME AS D539 M	EA		REF							-15 5-33	R81	
P	D		59052793513					D	D857	RESISTOR, FIXED, COM- POSITION: 81349; RC2DGF221J	EA		2					6		-15 5-33	R35	
			59052793513					D	D858	RESISTOR, FIXED, COM- POSITION: SAME AS D857	EA		REF							-15 5-33	R61	
P	D		59052524018					D	D859 M	RESISTOR, FIXED, COM- POSITION: 81349; RC20GF470J	EA		1					3		-15 5-33	R8	
P	D		59052991541					D	D860 M	RESISTOR, FIXED, COM- POSITION: 81349; RC20GF151J	EA		1					3		-15 5-33	R6	
			59051923973					D	D861 M	RESISTOR, FEED, COM- POSITION: SAME AS D434B	EA		REF							-15 5-33	R7	
			59051923973					D	D862 M	RESISTOR, FIXED, COM- POSITION: SAME AS D434B	EA		REF							-15 5-33	R70	
P	D		59052793521					D	D863 M	RESISTOR, FIXED, COM- POSITION: 81349; RC20GF150J	EA		1					6		-15 5-33	R63	
P	D		59051923971					D	D864	RESISTOR, FIXED, COM- POSITION: 81349; RC20GF331J	EA		1					3		-15 5-33	R65	
			59051908889					D	D865 M	RESISTOR, FIXED, COM- POSITION: SAME AS D481 M	EA		REF							-15 5-33	R67	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	-15
P	D		59059526024					D	D866	RESISTOR, FIXED, FILM: 81349; RN60D3482F	EA	5						3	-15			
P	D		59058926578					D	D867 M	RESISTOR, FEDED, FILM: 81349; RN60D121F	EA	6						21	-15	R86		
			59057611981					D	D868	RESISTOR, FIXED, FILM: SAME AS D450	EA	REF							-15	R50		
			59057611981					D	D869	RESISTOR, FIXED, FILM- SAME AS D450	EA	REF							-15	R72		
			59057636437					D	D870	RESISTOR, FIXED, FILM: SAME AS D439	EA	REF							-15	R74		
P	D		59057318315					D	D871	RESISTOR, FIXED, FILM: 81349; RN60DS402F	EA	1						3	-15	R56		
P	D		59050793S61					D	D872	RESISTOR, FIXED, FILM: 81349; RN60D3481F	EA	4						12	-15	R84		
			59050793561					D	D873	RESISTOR, FIXED, FILM: SAME AS D872	EA	REF							-15	R4		
			59050793561					D	D874	RESISTOR, FIXED, FILM: SAME AS D872	EA	REF							-15	R19		
			59050793561					D	D875	RESISTOR, FIXED, FILM: SAME AS D872	EA	REF							-15	R78		
			59058926578					D	D876M	RESISTOR, FIXED, FILM: SAME AS DS507AM	EA	REF							-15	R89		
			59058926578					D	D877 M	RESISTOR, FIXED, FILM: SAME AS D507AM	EA	REF							-15	R9		
																			-15	R80		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	-15
			59058926578					D	D878 M	RESISTOR, FIXED, FILM: SAME AS D507AM	EA	REF							-15			
			59058926578					D	D879 M	RESISTOR, FIXED, FILM: SAME AS D507AM	EA	REF							-15	R76		
P	D		59059836914					D	D880 M	RESISTOR, FEDED, FILM: EA 81349; RN60ODIO02F	3							9	-15	R79		
			59059544642					D	D881 M	RESISTOR, FIXED, FILM: SAME AS D449 M	E.A	REF							-15	R44		
P	D		59050788293					D	D882A	RESISTOR, FIXED FILM: 81349; RN6ODI821F	EA							3	-15	R18		
			59050518003					D	D883	RESISTOR, FEDED, FILM: SAME AS D508	EA	REF							-15	R45		
P	D		59057527228						D884	RESISTOR, FIXED, FILM: 81349; RN60C1782F	EA	1						3	-15	R75		
P	D		59059544643						D885	RESISTOR, FIXED, FILM: 81349; RN60C1782P	EA	1						3	-15	R59		
			59059516735					D	D886	RESISTOR, FIXED, WIRE- WOUND: SAME AS D604	EA	REF							-15	R10		
P	D		590586 50361					D	D888	RESISTOR, FIXED, WIRE- WOUND: 81349; RW79D5621F	EA	1						3	-15	R53		
																			-15	R87		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		59055779574					D	D889	RESISTOR, FIXED. WIRE-WOUND: 81349; RW59V2R2	EA	1							3	-15 5-33	R69	
			59059543308					D	D890	RESISTOR, FIXED, WIRE-WOUND: 81349; RW57V301	E.A	1							3	-15 5-33	R60	
			59051777154					D	D891AM	RESISTOR, VARIABLE: SAME AS D443AM	EA	REF								-15 5-33	R73	
			59059882313					D	D892	RESISTOR, FIXED, FILM: SAME AS D445	EA	REF								-15 5-33	R77	
P	D		59050430381					D	D893A	RESISTOR, FIXED, FILM: 81349; RN60D2211F	EA	1							3	-15 5-33	R51	
P	D		59451070747					D	D894	RELAY: 02295; CR120G900A02	EA	1							3	-15 5-33	R1	
P	D		59618527549					D	D895	SEMI-CONDUCTOR DE-VICE, DIODE: 81349; 1N754A	EA	3							6	-55 5-33	CR27	
			59618527549					D	D896S	SEMI-CONDUCTOR DE-VICE, DIODE: SAME AS D895	EA	REF								-15 5-33	CR30	
P	D		59617256083					D	D897	SEMI-CONDUCTOR DE-VICE, DIODE: 81349; 2N2323	EA	1							3	-15 5-33	CR24	
P	D		59612446905					D	D	898 SEMI-CONDUCTOR DE-VICE, DIODE: 81349; 2N4988	EA	2							6	-15 5-33	CR33	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59612446905					D	D899	SEMI-CONDUCTOR DE-VICE, DIODE: SAME AS D898	EA	REF								-15 5-33	CR34	
			59610888792					D	D900 M	SEMI-CONDUCTOR DE-VICE, DIODE: SAME AS D520 M	EA	REF								-15 5-33	CR1	
			59610888792					D	D901 M	SEMI-CONDUCTOR DE-VICE, DIODE: SAME AS D520 14	EA	REF								-15 5-33	CR2	
			59610888792					D	D902 M	SEMI-CONDUCTOR DE-VICE, DIODE: SAME AS D520 14	EA	REF								-15 5-33	CR3	
			59610888792					D	D903 M	SEMI-CONDUCTOR DE-VICE, DIODE: SAME AS D520 M	EA	REF								-15 5-33	CR4	
			59610888792					D	D904 M	SEMI-CONDUCTOR DE-VICE, DIODE: SAME AS DS20 M	EA	REF								-15 5-33	CR8	
			59810888792					D	D905 M	SEMI-CONDUCTOR DE-VICE, DIODE: SAME AS D520 14	EA	REF								-15 5-33	CR7	
			59610888792					D	D906 M	SEMI-CONDUCTOR DE-VICE, DIODE: SAME AS D520 M	EA	REF								-15 5-33	CR8	
			59610888792					D	D907 M	SEMI-CONDUCTOR DE-VICE, DIODE: SAME AS D520 14	EA	REF								-15 5-33	CR9	
			58610888792					D	D908 M	SEMI-CONDUCTOR DE-VICE, DIODE: SAME AS D520 M	EA	REF								-15 5-33	CR10	

(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N I T	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) D E P O T M A I N T A L W P E R 1 0 0 E Q U I P	(11) ILLUSTRATIONS		
			(2) F E D E R A L S T O C K N U M B E R	(3)								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N	
				M O D E L																		
				1	2	3	4	5														6	IND C D	DESCRIPTION
			59610888792					D	D909M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR11			
			59610888792					D	D910M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR12			
			59610888792					D	D911M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR13			
			59610888792					D	D912M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-3	CR14			
			59610888792					D	D913M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR15			
			59610888792					D	D914M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR16			
			59610888792					D	D915M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR17			
			59610888792					D	D916M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR18			
			59610888792					D	D917M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR19			
			59610888792					D	D918M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR20			

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(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N I T	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) D E P O T M A I N T A L W P E R 1 0 0 E Q U I P	(11) ILLUSTRATIONS		
			(2) F E D E R A L S T O C K N U M B E R	(3)								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N	
				M O D E L																		
				1	2	3	4	5														6	IND C D	DESCRIPTION
			59610888792					D	D919M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR21			
			59610888792					D	D920M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR22			
			59810888792					D	D921M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR23			
			59610888792					D	D922M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR25			
			59610888792					D	D923M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR26			
			59610888792					D	D924M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR28			
			59610888792					D	D925M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA							-15 5-33	CR29			

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(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(11) I L L U S T R A T I O N S		
			(2) F E D E R A L S T O C K N U M B E R	(3)								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N	
				M O D E L																		I N D C D
				1	2	3	4	5															6	D E S C R I P T I O N
P	D		59501028133					D	D929B	TRANSFORMER: 06809; 40-000133-1	EA		1					2	-15 5-33	T1		
			59619494440					D	D930	TRANSISTOR. SAME AS D567	EA		REF						-15 5-33	Q3		
			59619494440					D	D931	TRANSISTOR: SAME AS D567	EA		REF						-15 5-33	Q4		
			59619494440					D	D932	TRANSISTOR: SAME AS D567	EA		REF						-15 5-33	Q8		
			59619494440					D	D933	TRANSISTOR. SAME AS D567	EA		REF						-15 5-33	Q9		
			59619494440					D	D934	TRANSISTOR: SAME AS D567	EA		REF						-15 5-33	Q15		
			59619494440					D	D935	TRANSISTOR: SAME AS D567	EA		REF						-15 5-33	Q19		
			59619494440					D	D936	TRANSISTOR: SAME AS D567	EA		REF						-15 5-33	Q20		
			59619494440					D	D937	TRANSISTOR: SAME AS D567	EA		REF						-15 5-33	Q21		
			59619494440					D	D938	TRANSISTOR: SAME AS D567	EA		REF						-15 5-33	Q22		
			59619494440					D	D939	TRANSISTOR: SAME AS D567	EA		REF						-15 5-33	Q24		
			59619494440					D	D940	TRANSISTOR : SAME AS D567	EA		REF						-15 5-33	Q25		

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(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(11) I L L U S T R A T I O N S		
			(2) F E D E R A L S T O C K N U M B E R	(3)								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N	
				M O D E L																		I N D C D
				1	2	3	4	5															6	D E S C R I P T I O N
			59619494440					D	D941	TRANSISTOR: SAME AS D567	EA		REF						-15 5-33	Q26		
			59619494440					D	D942	TRANSISTOR: SAME AS D567	EA		REF						-15 5-33	Q27		
			59619494440					D	D943	TRANSISTOR: SAME AS D567	EA		REF						-15 5-33	Q31		
			59619494440					D	D944	TRANSISTOR:- SAME AS D567	EA		REF						-15 5-33	Q38		
			59610540046					D	D945	TRANSISTOR SAME AS D463	EA		REF						-15 5-33	Q2		
			59610540046					D	D946	TRANSISTOR: SAME AS D463	EA		REF						-15 5-33	Q5		
			59610540046					D	D947	TRANSISTOR: SAME AS 0463	EA		REF						-15 5-33	Q6		
			59610540046					D	D948	TRANSISTOR: SAME AS D463	EA		REF						-15 5-33	Q7		
			59610540046					D	D949	TRANSISTOR: SAME AS D463	EA		REF						-15 5-33	Q10		
			59610540046					D	D950	TRANSISTOR: SAME AS D463	EA		REF						-15 5-33	Q11		
			59610540046					D	D951	TRANSISTOR: SAME AS D463	EA		REF						-15 5-33	Q12		
			59610540046					D	D952	TRANSISTOR: SAME AS D463	EA		REF						-15 5-33	Q13		

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(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O R D I N G C D	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS	
			(2) FEDERAL STOCK NUMBER	(3)						IND C D	DESCRIPTION	(A) 1-5				(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.			(B) ITEM NO. OR REF DESIGN	
				MODEL																					
				1	2	3	4	5	6																
			59610540046						D	D953	TRANSISTOR: SAME AS D463	EA	REF								-15 5-33	Q14			
			59610540046						D	D954	TRANSISTOR: SAME AS D463	EA	REF								-15 5-33	Q16			
			59610540046						D	D955	TRANSISTOR: SAME AS D463	EA	REF								-15 5-33	Q17			
			59610540046						D	D956	TRANSISTOR: SAME AS D463	EA	REF								-15 5-33	Q18			
			59610540046						D	D957	TRANSISTOR: SAME AS D463	EA	REF								-15 5-33	Q23			
			59610540046						D	D958	TRANSISTOR: SAME AS D463	EA	REF								-15 5-33	Q28			
			59610540046						D	D959	TRANSISTOR: SAME AS D463	EA	REF								-15 5-33	Q29			
			59610540046						D	D960	TRANSISTOR: SAME AS D463	EA	REF								-15 5-33	Q30			
			59610540046						ID	D961	TRANSISTOR: SAME AS D463	EA	REF								-15 5-33	Q34			
			59610540046						D	D962	TRANSISTOR: SAME AS D463	EA	REF								-15 5-33	Q35			
			59610540046						D	D963	TRANSISTOR: SAME AS D463	EA	REF								-15 5-33	Q36			
			59610540046						D	D964	TRANSISTOR. SAME AS D463	EA	REF								-15 5-33	Q37			

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(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O R D I N G C D	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS	
			(2) FEDERAL STOCK NUMBER	(3)						IND C D	DESCRIPTION	(A) 1-5				(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.			(B) ITEM NO. OR REF DESIGN	
				MODEL																					
				1	2	3	4	5	6																
			59610540046						D	D965	TRANSISTOR. SAME AS D463	EA	REF									-15 5-33	Q39		
			59611332884						D	D966	TRANSISTOR : SAME AS D572	EA	REF									-15 5-33	Q1		
			59611332884						D	D967	TRANSISTOR: SAME AS D572	EA	REF									-15 5-33	Q32		
			59611996008						D	D968	TRANSISTOR: SAME AS D610	EA	REF									-15 5-33	Q33		
X2	D								D	D969A	HEATSINK: 06809; 40-000167-1	EA	1									-15 5-33	H1		
									D	D970	INSULATOR DISK: SAME AS D701	EA	REF									-15 5-33	H2		
			53109349761						*	D971	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF									-15 5-33	H3		
			53050546652						*	D972	SCREW, MACHINE: SAME AS A951M	EA	REF									-15 5-33	H4		
			53109296395						*	D973	WASHER, LOCK: SAME AS A953	EA	REF									-15 5-33	H5		
A	H	R							C	D974B	CONNECTOR BRACKET ASSEMBLY:	EA	1									-15 4-17	88		
			53050546652						*	D975	SCREW, MACHINE: SAME AS A951M	EA	REF									-15 4-17	85		
			53109349761						*	D975A	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF									-15 4-17	84.1		
			53100821404						*	D976	WASHER, FLAT: SAME AS D371	EA	REF									-15 4-17	87		

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C4, TM 11-7440-222-15/ NAVSHIPS 0967-324-0074/ TO 31W4-2G-81

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
X2	H		53100454007						*	D977	WASHER, LOCK. SAME AS D372	EA	REF										-15 4-17	86	
									D	D978A	BRACKET, CONNECTOR: 06809; 40-000109-1	EA	1										-15 5-34A	A14	
									E	D979	TERMINAL STUD: SAME AS D632	EA	REF										-15 5-34A	E1	
									E	D980	TERMINAL STUD: SAME AS D632	E A	REF										-15 5-34A	E2	
									E	D981	TERMINAL STUD: SAME AS D632	EA	REF										-15 5-34A	E3	
									E	D982	TERMINAL STUD: SAME AS D632	E A	REF										-15 5-34A	E4	
			53408399050						E	D983	FASTENER, CLINCH: SAME AS D414	EA	REF										-15 5-34A	H1	
X2	H		53256410660						E	D984	EYELET, FLANGE: 57771; A240	EA	2										-15 5-34A	H2	
P	H		59050675502						D	D985A	RESISTOR, FIXED, WIRE- WOUND: 63743; RFV219W2	EA	1	1	2	3	1	2	3		3		-15 5-34A	R1	
C	H								D	D986B	SCREW, MACHINE: 06809; 40-000199-11	EA	1										-15 5-34A	H3	
			53100821404						*	D987A	WASHER, FLAT: SAME AS D371	EA	REF										-15 5-34A	H4	
			53101983724						*	D988A	WASHER, LOCK: SAME AS D580	EA	REF										-15 5-34A	H5	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
C	H								*	D989A	WASHER, SHOULDER: 06909; 40-000182-1	EA	2										-15 5-34A	H6	
P	H		59057636661						D	D990A	RESISTOR, FIXED, WIRE- WOUND: 81349; RW57GR10	EA	2	1	2	3	1	2	3		6		-15 5-34A	R2	
			5905763 6561						D	D991A	RESISTOR, FIXED, WIRE- WOUND: SAME AS D990A	EA	REF										-15 5-34A	R3	
P	H		59610606817						D	D992	TRANSISTOR: 81349; 2N683	EA	1	1	2	3	1	2	3		5		-15 5-34A	CR1	
P	H		59618465808						D	D993	TRANSISTOR: 81349; 2N682	EA	3	1	2	3	1	2	3		15		-15 5-34A	CR2	
			59618465808						D	D994	TRANSISTOR: SAME AS D993	EA	REF										-15 5-34A	CR3	
			59618465808						D	D995	TRANSISTOR: SAME AS D993	EA	REF										-15 5-34A	CR4	
			59409439539						D	D996	TERMINAL, LUG: SAME AS D627	EA	REF										-15 5-4	H7	
X2	H								D	D997A	SPACER: 08289; TRW516-25	EA	4										-15 5-34A	H9	
C	H		59405523625						D	D998	TERMINAL LUG; 79963; 29A	EA	1										-15 5-34A	H8	
P	H		59351377303						*	D998A	CONNECTOR HOUSING: 00779; 1-480275-5	EA	1	1	2	3	1	2	3		1		-15 5-34A	J5	
P	H		59351377303						*	D998B	CONNECTOR HOUSING: 00779; 1-480275-6	EA	1	1	2	3	1	2	3		1		-15 5-34A	J6	
P	H		59351377300						*	D998C	CONNECTOR HOUSING: 00779; 1-480275-2	EA	1	1	2	3	1	2	3		1		-15 5-34A	J7	
P	H		59351377301						*	D998D	CONNECTOR, HOUSING: 00779; 2-480275-3	EA	1	1	2	3	1	2	3		1		-15 5-34A	J8	

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(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O R D I N G	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1-YEAR A L W P E R 100 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L W P E R 100 E Q U I P	(11) I L L U S T R A T I O N S				
			(2) F E D E R A L S T O C K N U M B E R	(3) D E S C R I P T I O N						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N								
																					M O D E L							
																					1			2	3	4	5	6	IND C D
P	H	59354517385					*	D998E	CONNECTOR HOUSING: 00779; 1-480275-9	EA		1	1	2	3	1	2	3	1	-15 5-34A	J9							
P	H	59994766327					*	D998F	CONTACT, ELECTRICAL: 00779; 61117-1	EA		43	10	20	30	10	20	30	43	-15 5-34A	H10							
C	H						D	D999	WASHER, NON METAL: 08289; MW750-255	EA		8								-15 5-34A	H11							

(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O R D I N G	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1-YEAR A L W P E R 100 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L W P E R 100 E Q U I P	(11) I L L U S T R A T I O N S				
			(2) F E D E R A L S T O C K N U M B E R	(3) D E S C R I P T I O N						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N								
																					M O D E L							
																					1			2	3	4	5	6	IND C D
X2	H						D	E001A	POST ELECTRICAL MECH- ANISM: 06809; 40-000116-1	EA		2								-15 4-17	84							
		53050546651					*	E002 M	SCREW, MACHINE: SAME AS A946C	EA		REF								-15 4-17	84.2							
		53109296395					*	E003	WASHER, LOCK: SAME AS A953	EA		REF								-15 4-17	84.3							
		53105319514					*	E004 M	WASHER, FLAT: SAME AS C906AM	EA		REF								-15 4-17	84.4							
P	H	T	74400189690				D	E005A	CIRCUIT CARD ASSEMBLY: 06809; 40-000113-1	EA		1	1	2	3	1	2	3	3	-15 4-17	83							
		53050546651					*	E006 M	SCREW, MACHINE: SAME AS A946C	EA		REF								-15 4-17	84.2							
		53105319514					*	D007 M	WASHER, FLAT: SAME AS C906AM	EA		REF								-15 4-17	84.4							
		53109296395					*	E008B	WASHER, LOCK: SAME AS A953	EA		REF								-15 4-17	84.3							
X1	D						E	E009A	PRINTED CIRCUIT BOARD: 06809; 40-000114-1	EA		1								-15 5-34B								
		59108388395					E	E010	CAPACITOR, FIXED, PAPER: SAME AS D590	EA		REF								-15 5-34B	C1							
		59108388395					E	E011	CAPACITOR, FIXED PAPER: SAME AS D950	EA		REF								-15 5-34B	C2							

(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS	
			(2) FEDERAL STOCK NUMBER	(3)						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN					
				MODEL																					
				1	2	3	4	5	6												IND CD			DESCRIPTION	
P	D		59108308395						E	E012	CAPACITOR, FIXED, PAPER: SAME AS D590	EA	REF								-15 5-34B	C3			
			59108388395						E	E013	CAPACITOR, FIXED, PAPER: SAME AS D590	EA	REF									-15 5-34B	C4		
			59108388395						E	E014	CAPACITOR, FIXED, PAPER: SAME AS D590	EA	REF									-15 5-34B	C5		
			59051712006						E	E015M	RESISTOR, FIXED, COM- POSITION: SAME AS D480A	EA	REF									-15 5-34B	R6		
			59051712006						E	E016M	RESISTOR, FIXED, COM- POSITION: SAME AS D480A	EA	REF										-15 5-34B	R9	
			59051712006						E	E017M	RESISTOR, FIXED, COM- POSITION: SAME AS D480A	EA	REF										-15 5-34B	R12	
			59059787703						E	E018	RESISTOR, FIXED, WIRE- WOUND: 81349; RW59V1R5	EA	1							3			-15 5-34B	R2	
			59050880636						E	E019	RESISTOR, FIXED, WIRE- WOUND: SAME AS D672	EA	REF										-15 5-34B	R10	
			59051956791						E	E020A	RESISTOR, FIXED, COM- POSITION: SAME AS D539M	EA	REF										-15 5-34B	R3	
			59051712006					E	E021M	RESISTOR, FIXED, COM- POSITION: SAME AS D480A	EA	REF									-15 5-34B	R4			

(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS	
			(2) FEDERAL STOCK NUMBER	(3)						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN					
				MODEL																					
				1	2	3	4	5	6												IND CD			DESCRIPTION	
P	D		59050893847						E	E022	RESISTOR, FIXED, WIRE- WOUND: SAME AS D546	EA	REF									-15 5-34B	R1		
			59051908889						E	E023A	RESISTOR, FIXED, COM- POSITION: SAME AS D481M	EA	REF									-15 5-34B	R5		
			59050805899						E	E024A	RESISTOR, FIXED, WIRE- WOUND: 81349; RW59V101	EA	1						3			-15 5-34B	R7		
			59052793518						E	E025M	RESISTOR, FIXED, COM- POSITION: 81349; RC20GF300J	EA	1							3			-15 5-34B	R5	
			59052793518						E	E026M	RESISTOR, FIXED, COM- POSITION: SAME AS D481M	EA	REF										-15 5-34B	R11	
			59610888792						E	E027M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA	REF										-15 5-34B	CR1	
			59610888792						E	E028M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS D520M	EA	REF										-15 5-34B	CR2	
			59610888792						E	E029M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS 0520M	EA	REF										-15 5-34B	CR3	
			59610888792						E	E030M	SEMI-CONDUCTOR DE- VICE, DIODE: SAME AS 0520M	EA	REF										-15 5-34B	CR4	
A	H	R						C	E031A	FRONT PANEL ASSEMBLY: 06809; 40-000076-1	EA	1									-15 4-17	4			

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53050546668					*	E032M	SCREW, MACHINE: SAME AS C362AM	EA	REF								-15 4-17	1	
C	H		53108098544					*	E033	WASHER, FLAT: 96906; MS27183-7	EA	15								-15 4-17	2	
C	H		53100453294					*	E034	WASHER, LOCK: 96906; MS35338-42	EA	15								-15 4-17	3	
X2	H							D	E035A	FRONT PANEL: 06809; 40-000064-1	EA	1								-15 4-17	4.1	
X2	H							E	E036A	JACK TIP: 98291; SKT5BCBLK	EA	1								-15 4-17	20	
X2	H		59201998502					E	E037A	JACK TIP: 98291; SKT5BCGRN	EA	4								-15 4-17	19	
			59201998502					E	E038A	JACK TIP: SAME AS E037A	EA	REF								-15 4-17	19	
			59201998502					E	E039A	JACK TIP: SAME AS E 037A	EA	REF								-15 4-17	19	
			59201998502					E	E040A	JACK TIP: SAME AS E037A	EA	REF								-15 4-17	19	
P	H		59201999502					D	E041A	FUSE, CARTRIDGE: 81349; F03A250V15A	EA	2	4	8	12	4	8	12	200	-15 4-17	13	
			59201999502					D	E042A	FUSE, CARTRIDGE: SAME AS E041A	EA	REF								-15 4-17	13	
P	H		59202805002					D	E043A	FUSE, CARTRIDGE: 81349; F03A250V10A	EA	4	5	10	15	5	10	15	400	-15 4-17	14	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59202805002					D	E044A	FUSE, CARTRIDGE: SAME AS E043A	EA	REF								-15 4-17	14	
			59202805002					D	E045A	FUSE, CARTRIDGE: SAME AS E043A	EA	REF								-15 4-17	14	
			59202805002					D	E046A	FUSE, CARTRIDGE: SAME AS E043A	EA	REF								-15 4-17	14	
P	H		59207271452					D	E047B	FUSE, CARTRIDGE: 71400; MDA10A	EA	4	5	10	15	5	10	15	400	-15 4-17	12	
			59207271452					D	E048B	FUSE, CARTRIDGE: SAME AS E047B	EA	REF								-15 4-17	12	
			59207271452					D	E049D	FUSE, CARTRIDGE: SAME AS E047B	EA	REF								-15 4-17	12	
			59207271452					D	E049E	FUSE, CARTRIDGE: SAME AS E047B	EA	REF								-15 4-17	12	
P	H		59205838486					D	E050B	FUSE, CARTRIDGE: 81349; F03B125V3A	EA	5	5	10	15	5	10	15	500	-15 4-17	11	
			59205838486					D	E051B	FUSE, CARTRIDGE: SAME AS E050B	EA	REF								-15 4-17	11	
			59205838486					D	E052B	FUSE, CARTRIDGE: SAME AS E050B	EA	REF								-15 4-17	11	
			59205838486					D	E053B	FUSE CARTRIDGE: SAME AS E050B	EA	REF								-15 4-17	11	
			59205838486					D	E055B	FUSE CARTRIDGE SAME AS E050B	EA	REF								-15 4-17	11	
P	H		59200431425					D	E056	FUSEHOLDER 71400; FLH18G1-9	EA	1	1	1	1	1	1	1	3	-15 4-17	10	

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS S I T E S T O C K A G E A L L O W A N C E			(8) 45 DAY AREA R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1-YEAR A L W P E R 100 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L W P E R 100 E Q U I P	(11) I L L U S T R A T I O N S								
			(2) F E D E R A L S T O C K N U M B E R	(3) D E S C R I P T I O N								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N							
																						M O D E L						
																						1	2	3	4	5	6	IND C D
P	H		59209525360					D	E057	FUSEHOLDER: 71400; FHL18G1-1	EA		4	1	1	1	1	1	1	2	-15 4-17	6						
			59209525360					D	E058	FUSEHOLDER: SAME AS E057	EA		REF								-15 4-17	6						
			59209525360					D	E059	FUSEHOLDER: SAME AS E057	EA		REF								-15 4-17	6						
			59209525360					D	E060	FUSEHOLDER: SAME AS E057	EA		REF								-15 4-17	6						
P	H		59202693743					D	E061	FUSEHOLDER: 71400; FHL18G1-5	EA		1	1	1	1	1	1	1	3	-15 4-17	9						
P	H		59200894130					D	E062A	FUSEHOLDER: 71400; HKL-X	EA		5	1	1	1	1	1	1	15	-15 4-17	7						
			59200894130					D	E063A	FUSEHOLDER: SAME AS E062A	EA		REF								-15 4-17	7						
			59200894130					D	E064A	FUSEHOLD ER: SAME AS E062A	EA		REF								-15 4-17	7						
			59200894130					D	E065A	FUSEHOLDER: SAME AS E062A	EA		REF								-15 4-17	7						
			59200894130					D	E066A	FUSEHOLDER: SAME AS E062A	EA		REF								-15 4-17	7						
P	H		59206360973					D	E070A	FUSEHOLDER: 71400; HKP-A	EA		1	1	1	1	1	1	1	12	-15 4-17	8						
			53406849956					D	E071M	LATCH: SAME AS A975 M	EA		REF								-15 4-17	5						

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS S I T E S T O C K A G E A L L O W A N C E			(8) 45 DAY AREA R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1-YEAR A L W P E R 100 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L W P E R 100 E Q U I P	(11) I L L U S T R A T I O N S								
			(2) F E D E R A L S T O C K N U M B E R	(3) D E S C R I P T I O N								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N							
																						M O D E L						
																						1	2	3	4	5	6	IND C D
P	H		59350505387					C	E072	CONNECTOR, RECE PTA- CLE, ELECTRICAL: 91662; 00-6022-022-940-002	EA		3	1	2	3	1	2	3	9	-15 4-17	95						
			53050545648					*	E073M	SCREW, MACHINE: SAME AS C691AM	EA		REF								-15 4-17	89						
C	H		53109838483					*	E074	WASHER, FLAT: 96906; MS27183-5	EA		8								-15 4-17	91						
C	H		53105432410					*	E075	WASHER, LOCK: 96906; MS35338-40	EA		8								-15 4-17	90						
X2	H		59350505387					C	E076	POLARIZATION KEY: 91662; 60-6002-31-24	EA		3									-15 4-17	96					
			59350505387					C	E077	CONNEC TOR, RECEPTA- CLE, ELECTRICAL: SAME AS E072	EA		REF								-15 4-17	95						
			53050545648					*	E078M	SCREW, MACHINE: SAME AS C691AM	EA		REF								-15 4-17	89						
			53109838483					*	E079	WASHER, FLAT: SAME AS E074	EA		REF								-15 4-17	91						
			53105432410					*	E080	WASHER, LOCK: SAME AS E075	EA		REF								-15 4-17	90						
			59350505387					C	E081	POLARIZATION KEY: SAME AS E076	EA		REF								-15 4-17	96						
			59350505387					C	E082	CONNECTOR, RECEPTA- CLE, ELECTRICAL: SAME AS E072	EA		REF								-15 4-17	95						

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53050545648					*	E083 M	SCREW, MACHINE: SAME AS C691A.M	EA	REF									-15 4-17	89
			53109838483					*	E084A	WASHER, FLAT: SAME AS E074	EA	REF									-15 4-17	91
			53105432410					*	E085	WASHER, LOCK: SAME AS E075	EA	REF									-15 4-17	90
								C	E086	POLARIZATION KEY: SAME AS E076	EA	REF									-15 4-17	96
P	H		59350805023					C	E087	CONNECTOR, RECEPTACLE, ELECTRICAL: 71785: 250-25-36-170	EA	1	1	1	1	1	1	1	3		-15 4-17	39
C	H		53100134524					*	E088	NUT, PLAIN, HEXAGON: 96906: MS35649-42	EA	2									-15 4-17	37
			53050545651					*	E089 M	SCREW, MACHINE: SAME AS C377M	EA	REF									-15 4-17	34
			53109838483					*	E090	WASHER, FLAT: SAME AS E074	EA	REF									-15 4-17	36
			53105432410					*	E091	WASHER, LOCK: SAME AS E075	EA	REF									-15 4-17	35
X2	H							C	E092	POLARIZATION KEY: 71785: 456-99-99-193	EA	1									-15 4-17	38
X2	H							C	E093A	COVER, FUSE: 06909; 40-000078-1	EA	1									-15 4-17	24
			53050546652					*	E094	SCREW, MACHINE: SAME AS A951M	EA	REF									-15 4-17	21

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53100821404					*	E095	WASHER, FLAT: SAME AS D371	EA	REF									-15 4-17	23
			53100454007					*	E096	WASHER, LOCK: SAME AS D372	EA	REF									-15 4-17	22
X2	H							C	E097	GROMMET, RUBBER: 70485: 1139	EA	1									-15 4-17	71
X2	H							C	E098	HANDLE, BOW: 96906; MS39078-3	EA	2									-15 4-17	18
			53050593660					*	E099	SCREW, MACHINE: SAME AS A942	EA	REF									-15 4-17	15
			53108098546					*	E100	WASHER, FLAT: SAME AS D354	EA	REF									-15 4-17	17
								*	E101	WASHER, LOCK: SAME AS D355	EA	REF									-15 4-17	16
P	H		59451004743					C	E102	RELAY: 12300: PM15D24VDC	EA	1	1	2	3	1	2	3	3		-15 4-17	70
C	H		53050546670					*	E103	SCREW, MACHINE: 96906; MS51957-45	EA	7									-15 4-17	67
			53108098544					*	E104	WASHER, FLAT: SAME AS E033	EA	REF									-15 4-17	69
			53100453299					C	E105	WASHER, LOCK: SAME AS E034	EA	REF									-15 4-17	68
X2	H							C	E106A	BRACKET, RELAY: 06809; 40-000065-1	EA	1									-15 4-17	66

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E C D	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS	
			(2) FEDERAL STOCK NUMBER	(3)						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN					
				MODEL																	IND CD				
				1	2	3	4	5	6																
			53050546668					*	E107M	SCREW, MACHINE: SAME AS C3652AM	EA	REF							-15 4-17	63					
			53108098544					*	E008B	WASHER, FLAT: SAME AS E033	EA	REF							-15 4-17	65					
			53100453299					*	E109	WASHER, LOCK: SAME AS E034	EA	REF							-15 4-17	64					
X2	H							C	E110A	PLATE, RIGHT SIDE: 06809; 40-000066-1	EA	1							-15 4-17	27					
C	H							*	E111A	SCREW, MACHINE: 66044; AN505P6R5	EA	10							-15 4-17	25					
			53408399050					D	E112	FASTENER, CLINCH: SAME AS D414	EA	REF							-15 4-17	103.1					
			53105966129					D	E113	FASTENER, CLINCH: SAME AS D415	EA	REF							-15 4-17	103.2					
X2	H							C	E114A	PLATE, LEFT SIDE: 01809; 40-000066-7	EA	1							-15 4-17	26					
								*	E115A	SCREW, MACHINE: SAME AS E111A	EA	REF							-15 4-17	25					
			53408399050					D	E116	FASTENER, CLINCH: SAME AS D414	EA	REF							-15 4-17	103.1					
			53105968129					D	E117	FASTENER, CLINCH: SAME AS D415	EA	REF							-15 4-17	103.2					
X2	H							C	E118A	BRACKET 06809; 40-000067-1	EA	1							-15 4-17	32					

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E C D	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS	
			(2) FEDERAL STOCK NUMBER	(3)						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN					
				MODEL																	IND CD				
				1	2	3	4	5	6																
			53050546668					*	E119M	SCREW, MACHINE: SAME AS C362AM	EA	REF							-15 4-17	28					
			53108098544					*	E120A	WASHER, FLAT. SAME AS E033	EA	REF							-15 4-17	30					
			53100453299					*	E121	WASHER, LOCK: SAME AS E034	EA	REF							-15 4-17	29					
X2	H							C	E122	BRACKET: 06809; 40-000067-2	EA	1							-15 4-17	31					
			53050546668					*	E123 M	SCREW, MACHINE: SAME AS C362AM	EA	REF							-15 4-17	28					
			53100098544					*	E124	WASHER, FLAT: SAME AS E033	EA	REF							-15 4-17	30					
			53100453299					*	E125	WASHER, LOCK; SAME AS E034	EA	REF							-15 4-17	29					
X2	H		58219613243					C	E126	CARD GUIDE 07556; 58-30-40	EA	2							-15 4-17	33					
X2	H							C	E127	TERMINAL BOARD: 75382; 603CY12S1	EA	1							-15 4-17	82					
			53100454007					*	E130	WASHER, LOCK: SAME AS D372	EA	REF							-15 4-17	79					
X2	H							C	E130A	STANDOFF: 14850; D1-10984B-1	EA	4							-15 4-17	78.5					
X2	H							C	E130B	SHIELD ASSEMBLY: 14850; A1-10980C	EA	1							-15 4-17	78.4					
C	H							*	E130C	SCREW, MACHINE: 14850; A1-10977F-5	EA	8							-15 4-17	78					
X2	H							C	E131	TERMINAL BOARD: 75382; 60CY21S1	EA	1							-15 4-17	81					
			53050546652					*	E132	SCREW, MACHINE: SAME AS A951M	EA	REF							-15 4-17	77					

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53100821404					*	E133	WASHER, FLAT: SAME AS D371	EA	REF								-15 4-17	80	
			53100454007					*	E134	WASHER, LOCK: SAME AS D372	EA	REF								-15 4-17	79	
X2	H							C	E134A	BRACKET: 14850; D1-10987C	EA	2								-15 4-17	78.3	
X2	H							C	E134B	SHIELD: 14850; D1-10981C	EA	1								-15 4-17	78.2	
C	H							*	E134C	NUT, PLAIN, HEXAGON 96906; MS35649-262	EA	4								-15 4-17	78.1	
								*	E134E	SCREW., MACHINE: SAME AS E130C	EA	REF								-15 4-17	78	
X2	H							*	E135	RETAINER: 06809; 40-000120-1	EA	1								-15 4-17	76	
X2	H							C	E135A	BRACKET, ANGLE: 06809; 40-000095-1	EA	2								-15 4-17	75	
			51050546652					*	E136	SCREW, MACHINE: SAME AS A951M	EA	REF								-15 4-17	72	
			53100821404					*	E137	WASHER, FLAT: SAME AS D371	EA	REF								-15 4-17	74	
			53100454007					*	E138	WASHER, LOCK: SAME AS D372	EA	REF								-15 4-17	73	
P	H		59500975508					C	E139M	TRANSFORMER, POWER: 981675; 39359	EA	1	1	1	2	1	1	2	2	-15 4-17	103	
C	H		53108349736					*	E140	NUT, PLAIN, HEXAGON: 96906; MS35691-2	EA	4								-15 4-17	100	
C	H		531080940511					*	E141	WASHER, FLAT: 96906; MS27183-10	EA	4								-15 4-17	102	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
C	H		53106379547					*	E142	WASHER, LOCK: 96906; MS35339-44	EA	4								-15 4-17	101	
C	H							*	E142A	NUT, PLAIN, HEXAGON: 96906; MS20341-10B	EA	13								-15 4-17	97	
C	H							*	E142B	WASHER, LOCK. 96906; MS35337-100	EA	13								-15 4-17	98	
C	H							*	E142C	WASHER, FLAT: 88044; AN961-10	EA	26								-15 4-17	99	
A	H	R						B	E143	PLATE, INTERFACE: 58189; A61665-001	EA	1								-15 4-10	18	
			53050546670					*	E144	SCREW, MACHINE: SAME AS E103	EA	REF								-15 4-10	15	
			53109338119					*	E145	WASHER, LOCK: SAME AS A959	EA	REF								-15 4-10	17	
			53105586207					*	E146 M	WASHER, FLAT: SAME AS A959A	EA	REF								-15 4-10	16	
X2	H							C	E147	PLATE, INTERFACE: 58189; A61665-002	EA	1								-15 4-16	13	
X2	H							C	E148A	TERMINAL BOARD: 75382; 600C-22UH	EA	2								-15 4-16	11	
			53050546654					*	E149 M	SCREW, MACHINE: SAME AS C373M	EA	REF								-15 4-16	8	
			53109296395					*	E150	WASHER, LOCK SAME AS A953	EA	REF								-15 4-16	10	

(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS				
			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN								
																					MODEL							
																					1			2	3	4	5	6	IND CD
X2	H		53109349761						*	E151	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF										-15 4-16	9				
									C	E152	MARKER STRIP: 75382; MS600-22XXP4D	EA	2											-15 4-16	12			
									C	E153A	TERMINAL BOARD: SAME AS E148A	EA	REF											-15 4-16	11			

(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS				
			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN								
																					MODEL							
																					1			2	3	4	5	6	IND CD
			53050546654						*	E154 M	SCREW, MACHINE: SAME AS C373 M	EA	REF											-15 4-16	8			
			53109296395						*	E155	WASHER, LOCK: SAME AS A953	EA	REF											-15 4-16	10			
			53109349761						*	E156	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF											-15 4-16	9			
									C	E157	MARKER STRIP: SAME AS E152	EA	REF											-15 4-16	12			
									C	E158A	TERMINAL BOARD: 75382; 604C8UH	EA	1											-15 4-16	6			
			53050546672						*	E159	SCREW, MACHINE: SAME AS A958	EA	REF											-15 4-16	1			
			53109338119						*	E160	WASHER, LOCK: SAME AS A959	EA	REF											-15 4-16	3			
			53105586207						*	E161 M	WASHER, FLAT: SAME AS A959A	EA	REF											-15 4-16	4			
			53109249759						*	E162	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF											-15 4-16	2			
X2	H								C	E163	MARKER, STRIP: 75382; MS604-8XXXP1C	EA	1											-15 4-16	7			
P	H								C	E163A	CLAMP, LOOP: 12357; NP18N	EA	2	*	*	*	*	*	*		2			-15 4-16	12.4			
C	H								C	E163B	CLAMP, LOOP: 12357; HP13N	EA	2											-15 4-16	12.5			
			53050546671						*	E163CM	SCREW, MACHINE: SAME AS C393M	EA	REF											-15 4-16	12.1			

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(11) I L L U S T R A T I O N S	
			(2) F E D E R A L S T O C K N U M B E R	(3)						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N					
				M O D E L																					
				1	2	3	4	5	6												IND C D			DESCRIPTION	
			53109338119						*	E163D	WASHER, LOCK: SAME AS A959	EA	REF							-15 4-16	12.2				
			53105586207						*	E163E	WASHER, FLAT: SAME AS A959A	EA	REF							-15 4-16	12.3				
X2	H								C	E164	JUMPER SERIES: 75382; 640RJ8	EA	1							-15 4-16	5				
M	H								C	E169	WIRING HARNESS: 58189; A65405-001	EA	1							-15 4-10	40				

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(11) I L L U S T R A T I O N S	
			(2) F E D E R A L S T O C K N U M B E R	(3)						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N					
				M O D E L																					
				1	2	3	4	5	6												IND C D			DESCRIPTION	
			59402049142						D	E170	TERMINAL, LUG: SAME AS A979	EA	REF							-15 4-10	89				
			59405571627						D	E171	TERMINAL, LUG: 96906; MS25036-53	EA	3							-15 4-10	90				
									D	E172A	TERMINAL, LUG: 96906; MS25036-50	EA	8							-15 4-16	5.1				
X2	H		59409935216						D	E173	FERRULE: 00779; 2-323930-2	EA	47							-15 4-10	92				
			594055716 29						D	E174 M	TERMINAL LUG: 96906; MS25036-49	EA	19							-15 4-10	91				
			59405039995						D	E175 M	TERMINAL, LUG: SAME AS B113A	EA	REF							-15 4-16	5.2				
									D	E175A	TERMINAL, LUG: 96906; MS25036-16	EA	1							-15 4-16	5.3				
			74409335070						D	E176 M	CONTACT ASSEMBLY: SAME AS B106A	EA	REF							-15 4-10	36				
									E	E177 M	BRACKET, ANGLE: SAME AS B107A	EA	REF							-15 4-10	57				
									E	E178	SCREW, EXTERNAL RELIEVED BODY: SAME AS B108	EA	REF							-15 4-10	44				
			53106389857						E	E179	WASHER, FLAT: SAME AS A952	EA	REF							-15 4-10	45				
			53109296395						E	E179A	WASHER, LOCK: SAME AS A953	EA	REF							-15 4-10	46				
									E	E180	INSULATOR, BUSHING: SAME AS B111	EA	REF							-15 4-10	56				

(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(11) I L L U S T R A T I O N S	
			(2) F E D E R A L S T O C K N U M B E R	(3)						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N					
				M O D E L																					
				1	2	3	4	5	6												IND C D			DESCRIPTION	
P	H	74400193468						D	E182	CONTACT, ELECTRICAL: SAME AS B112	EA	REF								-15 4-10	52				
									D	E182A	PIN, KEYING: SAME AS B112A	EA	REF								-15 4-10	53			
										D	E182B	CLAMP, LOOP. SAME AS B115B	EA	REF							-15 4-10	51.1			
									*	E182C	SCREW, MACHINE: SAME AS B113H	EA	REF								-15 4-10	50.1			
									*	E182D	NUT, PLAIN, HEXAGON: SAME AS B113B	EA	REF								-15 4-10	47			
									*	E182E	WASHER, FLAT: SAME AS B113G	EA	REF								-15 4-10	49			
									*	E182F	WASHER, LOCK : SAME AS B113F	EA	REF								-15 4-10	48			
									D	E183	NAME PLATE: SAME AS B114	EA	REF								-15 4-10	55			
									D	E184	STRAP, LINE SUPPORT: SAME AS B115	EA	REF								-15 4-10	54			
									D	E185	CONNECTOR, RECEP- TACLE, ELECTRICAL: 96906; MS3102R32-7S	EA	1	1	1	1	1	1	1	3	-15 4-10	23.5			
									*	E185A	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF								-15 4-10	23.2			
									*	E185B	WASHER, FLAT: SAME AS B228	EA	REF								-15 4-10	23.4			
									*	E185C	WASHER, LOCK: SAME AS A959	EA	REF								-15 4-10	23.3			
									*	E185D	SCREW, MACHINE: SAME AS A958	EA	REF								-15 4-10	23.1			

(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(11) I L L U S T R A T I O N S	
			(2) F E D E R A L S T O C K N U M B E R	(3)						(A) 1-5	(B) 6-10	(C) 11-20				(A) 1-5	(B) 6-10	(C) 11-20	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N					
				M O D E L																					
				1	2	3	4	5	6												IND C D			DESCRIPTION	
A	H	R							B	E501	FILTER ASSEMBLY: 58189; A64008-001	EA	1							-15 4-10	29				
									*	E503	WASHER, LOCK: SAME AS A938	EA	REF							-15 4-10	27				
										B	E504A	STANDOFF: 14850; 01-10985B-1	EA	6						-15 4-10	28.1				
										B	E504B	SHIELD ASSEMBLY: 14850; A1-10979C	EA	1						-15 4-20	28				
									*	E504C	SCREW, MACHINE: 14850; A1-10977F-6	EA	6							-15 4-10	26				

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS S I T E S T O C K A G E A L L O W A N C E			(8) 45 DAY AREA R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1-YEAR A L W P E R 100 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L W P E R 100 E Q U I P	(11) I L L U S T R A T I O N S								
			(2) F E D E R A L S T O C K N U M B E R	(3) D E S C R I P T I O N								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N							
																						M O D E L						
																						1	2	3	4	5	6	IND C D
X2	H							C	E505	PLATE ASSEMBLY: 58189; A64041-001	EA		1							-15 4-20	19							
P	H	59157126623						C	E506	FILTER RADIO FREQU- ENCY INTERFERENCE: 56289; 10JX63	EA		2	1	2	3	1	2	3	6	-15 4-20	6						
		59157126673						C	E507	FILTER RADIO FREQU- ENCY INTERFERENCE: SAME AS E506	EA		REF								-15 4-20	6						
P	H	59150611346						C	E508	FILTER, RADIO FREQU- ENCY: 56289; 20JX35	EA		2	1	2	3	1	2	3	6	-15 4-20	5						
		59150611346						C	E509	FILTER, RADIO, FREQU- ENCY: SAME AS E508	EA		REF								-15 4-20	5						
X2	H							C	E510A	TERMINAL BOARD: 75382; 604C2UH	EA		1								-15 4-20	11						
X2	H							C	E511	STRIP MARKER: 75362; MS604-2XXXP1C	EA		1								-15 4-20	12						
		53050546657						*	E512	SCREW, MACHINE: SAME AS A963	EA		REF								-15 4-20	7						
		53106389857						*	E513	WASHER, FLAT: SAME AS A952	EA		REF								-15 4-20	10						
		53109296395						*	E514	WASHER, LOCK: SAME AS A953	EA		REF								-15 4-20	9						
		53109349761						*	E515	NUT, PLAIN, HEXAGON: SAME AS A965	EA		REF								-15 4-20	8						

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(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) 30 DAYS S I T E S T O C K A G E A L L O W A N C E			(8) 45 DAY AREA R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1-YEAR A L W P E R 100 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L W P E R 100 E Q U I P	(11) I L L U S T R A T I O N S								
			(2) F E D E R A L S T O C K N U M B E R	(3) D E S C R I P T I O N								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N							
																						M O D E L						
																						1	2	3	4	5	6	IND C D
X2	H							C	E516A	TERMINAL BOARD: 75382; 602C4UH	EA		1								-15 4-20	17						
X2	H							C	E517	STRIP, MARKER: 75382; MS602-4XXP4A	EA		1								-15 4-20	18						
C	H	53050546673						*	E518	SCREW, MACHINE: 96906; MS51957-48	EA		4								-15 4-20	13						
		53105586207						*	E519M	WASHER, FLAT: SAME AS A959A	EA		REF								-15 4-20	16						
		53109338119						*	E520	WASHER, LOCK: SAME AS A959	EA		REF								-15 4-20	15						
		53109249759						*	E521	NUT, PLAIN, HEXAGON: SAME AS A960	EA		REF								-15 4-20	14						
C	H							*	E523A	NUT, PLAIN, HEXAGON: 96906; MS35690-140	EA		1								-15 4-20	1						
C	H	53109338121						*	E524AM	WASHER, LOCK: 96906; MS35338-139	EA		6								-15 4-20	4						
C	H	53105373634						*	E525A	WASHER, LOCK: 96906; MS35335-61	EA		1								-15 4-20	2						
M	H							C	E526	WIRING HARNESS: 58189; A65132-002	EA		1									-15 4-20	6.1					
C	H	59405571628						D	E527	TERMINAL LUG: 96906; MS25036-56	EA		20								-15 4-20	6.4						

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154.1(154.2 blank)

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
C	H		59406603634						D	E528	TERMINAL, LUG: 96906; MS25036-57	EA		2							-15 4-20	6.3
			59405571627						D	E528A	TERMINAL, LUG: SAME AS E171	EA		REF							-15 4-20	6.5
C	H								D	E528B	TERMINAL, LUG: 96906; MS25036-54	EA		2							-15 4-20	6.2
X2	H								B	E529	SLIDE: 06666; C300S14	EA		1							-15 4-10	24
C	H								*	E530A	SCREW, MACHINE: 8100653; SMB634803	EA		20							-15 4-10	21
			53101670812						*	E531	WASHER, FLAT: SAME AS A939	EA		REF							-15 4-10	22
			53109338120						*	E532	WASHER, LOCK: SAME AS A938	EA		REF							-15 4-10	23
X2	H								B	E533	GRILL ASSEMBLY: 80063; SMB634754	EA		1							-15 4-10	33
X1	H								C	E534	GRILL: 80063; SMD546276-1	EA		1							-15 4-10	33.3
X1	H								*	E535	STUD, TURNLOCK: FASTENER: 78583; C1663-017-24	EA		2							-15 4-10	33.2
C	H		53109826813						*	E536	LOCKNUT: 96906; MS21044C06	EA		2							-15 4-10	33.1
X2	H								B	E537A	SLIDE: 01561; C230S22	EA		1							-15 4-10	25
									*	E538A	SCREW, MACHINE: SAME AS E530A	EA		REF							-15 4-10	21
			53101670812						*	E539	WASHER, FLAT: SAME AS A939	EA		REF							-15 4-10	22

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			53109338120						*	E540	WASHER, LOCK: SAME AS A938	EA		REF							-15 4-10	23	
A	H	R	74401656535						B	E541	BLOWER: 03522; RC2EB412A31	EA		1							-15 4-10	34	
P	H		41308460650						C	E541A	FILTER, WASHABLE: 03522; S-1006-5	EA	1	1	2	1	1	2	1		-15 4-10	33.4	
P	H		59109729420						C	E541B	CAPACITOR: 03522; S1309	EA	1	1	2	3	1	2	3	3		-15 4-10	34.5
X2	H		41409883694						C	E541C	BLOWER, WHEEL, CCW: 03522; S-1364	EA		1							-15 4-10	34.6	
X2	H		41409883695						C	E541D	BLOWER, WHEEL, CCW: 03522; S-1365	EA		1							-15 4-10	34.7	
P	H		610513 45596						C	E541E	MOTOR: 03522; S-1783	EA	1	1	1	2	1	1	2	1		-15 4-10	34.8
			53050546669						*	E542	SCREW, MACHINE: SAME AS A981	EA		REF							-15 4-10	30	
			53105586207						*	E543M	WASHER, FLAT: SAME AS A959A	EA		REF							-15 4-10	31	
			53109338119						*	E544	WASHER, LOCK: SAME AS A959	EA		REF							-15 4-10	32	
P	H	T	59501025675						B	E545M	VOLTAGE, REGULATOR ASSEMBLY: 08715; W7712-3-5A	EA	1	*	*	*	1	1	2	2		-15 4-10	34.4
C	H		53050593657						*	E546M	SCREW, MACHINE: 96906; MS51958-61	EA		6							-15 4-10	34.1	
			53101670812						*	E547	WASHER, FLAT: SAME AS A939	EA		REF							-15 4-10	34.3	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6														IND CD	DESCRIPTION
X1	D		53109338120					*	E548	WASHER, LOCK: SAME AS A938	EA	REF								-15 4-10	34.2	
A	H							C	E548A	MAGNETIC ASSEMBLY: 08715; W-7712-28	EA	1								-15 4-19.1	45	
P	H		59254512061					C	E548B	CIRCUIT BREAKER ASSY : 08715; W-7712-30	EA	1								-15 4-19.1	1	
C	H		59254512061					D	E548C	CIRCUIT BREAKER: 74193; JA-1-WGM-JHP DC TRIP CHARACTERISTIC P 30 AMP CONTACT RATING	EA	1	1	2	3	1	2	3	2	-15 4-19.1	2	
			53056383435					*	E548D	SCREW, MACHINE: 96906; MS35223-25	EA	2								-15 4-19.1	5	
X2	H		53109296395					*	E548E	WASHER, LOCK: SAME AS A953	EA	REF								-15 4-19.1	6	
X2	H							D	E548F	TERMINAL DISCONNECT: 98410; AA-8140	EA	4								-15 4-19.1	3	
P	D		59101597336					D	E548G	TERMINAL LUG: 98410; A-534-06	EA	4								-15 4-19.1	4	
P	D		59101597336					C	E548H	CAPACITOR, FIXED, ELECTROLYTIC 2.0 UFD, SELECTED: 08715; W-7712-C1-A	EA	1							3	-15 4-19.1	7	
P	D		59101597361					C	E548J	CAPACITOR, FIXED, ELECTROLYTIC 1.92 UFD, SELECTED: 08715; W-7712-C1-B	EA	1							3	-15 4-19.1	8	
P	D		59101597337					C	E548K	CAPACITOR, FIXED, ELECTROLYTIC 2.08 UFD, SELECTED: 08715; W-7712-C1-C	EA	1							3	-15 4-19.1	9	

399.1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6														IND CD	DESCRIPTION
P	D		59101652520					C	E548L	CAPACITOR, FIXED, ELECTROLYTIC 5.0 UFD, SELECTED: 08715; W-7712-C2-A	EA	1							3	-15 4-19.1	10	
P	D		59101597338					C	E548N	CAPACITOR, FIXED, ELECTROLYTIC 4.8 UFD, SELECTED: 08715; W-7712-C2-B	EA	1							3	-15 4-19.1	11	
P	D		59101649695					C	E548P	CAPACITOR, FIXED, ELECTROLYTIC 5.2 UFD, SELECTED: 08715; W-7712-C2-C	EA	1							3	-15 4-19.1	12	
X2	D							C	E548R	STRAP, CAPACITOR: 08715; W-7712-10	EA	4								-15 4-19.1	15	
X2	D							*	E548S	FASTENER, SPECIAL: 08715; W-7712-24	EA	6								-15 4-19.1	13	
X2	D		53105319514					*	E548T	WASHER, FLAT: SAME AS C960AM	EA	REF								-15 4-19.1	14	
A	D	R						C	E548U	SPACER: 75306: 386	EA	6								-15 4-19.1	16	
C	D		53056377 079					C	E548V	PRINTED CIRCUIT BOARD ASSEMBLY: 08715; W-7712-27	EA	1								-15 4-19.1	19	
			53056377 079					*	E548W	SCREW, MACHINE: 96906; MS35223-26	EA	4								-15 4-19.1	17	
X1	D		53105319514					*	E548XM	WASHER, FLAT: SAME AS C960AM	EA	REF								-15 4-19.1	18	
P	D		59051406860					D	E548Y	PRINTED CIRCUIT CARD: 08715; W-7712-13	EA	1							6	-15 5-36	R1	
P	D							D	E548Z	RESISTOR, FIXED, METAL GLAZE.: 75042; RG20S222G	EA	2							6	-15 5-36	R1	

399.2

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O R D E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20	-15 5-36		
P	D		59051061202					D	E549B	RESISTOR, FIXED, METAL GLAZE: 16299; RG20-6200-2%	EA		1							3	-15 5-36	R2			
P	D		59059402752					D	E549C	RESISTOR, FIXED, METAL GLAZE: 75042; RG20S562G	EA		1							3	-15 5-36	R2			
P	D		59052292620					D	E549D	RESISTOR, FIXED, CARBON: 81349; RC20GF223K	EA		2							6	-15 5-36	R2			
P	D		59051956758					D	E549E	RESISTOR, FIXED, CARBON: 81349; RC20GF273K	EA		2							6	-15 5-36	R2			
P	D		59052994248					D	E549F	RESISTOR, FIXED, CARBON: 81349; RC20GF333K	EA		2							6	-15 5-36	R2			
P	D		59051908882					D	E549G	RESISTOR, FIXED: CARBON: 81349; RC20GF393K	EA		2							6	-15 5-36	R2			
P	D		59052953410					D	E549H	RESISTOR, FIXED, CARBON: 81349; RC20GF473K	EA		2							6	-15 5-36	R2			
P	D		59051923988					D	E549J	RESISTOR, FIXED, CARBON: 81349; RC20GF563K	EA		2							6	-15 5-36	R2			
P	D		59052547087					D	E549K	RESISTOR, FIXED, CARBON: 81349; RC20GF683K	EA		2							6	-15 5-36	R2			
P	D		59052547079					D	E549L	RESISTOR, FIXED, CARBON: 81349; RC20GF823K	EA		2							6	-15 5-36	R2			

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O R D E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20	-15 5-36		
P	D		59051923967					D	E549N	RESISTOR, FEED, CARBON: 513493; RC20GF104K	EA		2							6	-15 5-36	R2			
P	D		59051923901					D	E549P	RESISTOR, FIXED, CARBON: 81349; RC20GF124K	EA		2							6	-15 5-36	R2			
P	D		59051929260					D	E549R	RESISTOR, FIXED, CARBON: 81349; RC20GF154K	EA		2							6	-15 5-36	R2			
P	D		59051920662					D	E549S	RESISTOR, FIXED, CARBON: 81349; RC20GF184K	EA		2							6	-15 5-36	R2			
P	D		59052953409					D	E549T	RESISTOR, FIXED, CARBON: 81349; RC20GF224K	EA		2							6	-15 5-36	R2			
P	D		59054900039					D	E549U	RESISTOR, FIXED, METAL GLAZE: 16299; RG20-2000-2%	EA		1							3	-15 5-36	R4			
								D	E549V	RESISTOR, FIXED, METAL GLAZE: SAME AS E548Z	EA		REF								-15 5-36	R4			
								D	E549W	RESISTOR, FI XED, CARBON: SAME AS E549D	EA		REF								-15 5-36	R4			
								D	E549X	RESISTOR, FIXED, CARBON: SAME AS E549E	EA		REF								-15 5-36	R4			
								D	E549Y	RESISTOR, FIXED, CARBON: SAME AS E549F	EA		REF								-15 5-36	R4			

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) U N I T O F I S S U E	(5) Q T Y I N C I N I N U N I T	(6) Q T Y I N C I N U N I T	(7) 30 DAYS S I T E S T O C K A G E A L L O W A N C E			(8) 45 DAY AREA R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P S U P P O R T E D			(9) 1-YEAR A L W P E R 100 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L W P E R 100 E Q U I P	(11) I L L U S T R A T I O N S								
			(2) F E D E R A L S T O C K N U M B E R	(3) D E S C R I P T I O N								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N							
																						M O D E L						
																						1	2	3	4	5	6	IND C D
							D	E549Z	RESISTOR, FIXED, CARBON: SAME AS E549G	EA								-15 5-36	R4									
							D	E550B	RESISTOR, FIXED, CARBON: SAME AS E549H	EA								-15 5-36	R4									
							D	E550C	RESISTOR, FIXED, CARBON: SAME AS E549J	EA								-15 5-36	R4									
							D	E550D	RESISTOR, FIXED, CARBON: SAME AS E549K	EA								-15 5-36	R4									
							D	E550E	RESISTOR, FIXED, CARBON: SAME AS E549L	EA								-15 5-36	R4									
							D	E550F	RESISTOR, FIXED, CARBON: SAME AS E549N	EA								-15 5-36	R4									
							D	E550G	RESISTOR, FIXED, CARBON: SAME AS E549P	EA								-15 5-36	R4									
							D	E550H	RESISTOR, FIXED, CARBON: SAME AS E549R	EA								-15 5-36	R4									
							D	E550J	RESISTOR, FIXED, CARBON: SAME AS E549S	EA								-15 5-36	R4									
							D	E550K	RESISTOR, FIXED, CARBON: SAME AS E549T	EA								-15 5-36	R4									

(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N I T	(6) Q T Y I N C I N U N I T	(7) 30 DAYS S I T E S T O C K A G E A L L O W A N C E			(8) 45 DAY AREA R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P S U P P O R T E D			(9) 1-YEAR A L W P E R 100 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L W P E R 100 E Q U I P	(11) I L L U S T R A T I O N S								
			(2) F E D E R A L S T O C K N U M B E R	(3) D E S C R I P T I O N								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N							
																						M O D E L						
																						1	2	3	4	5	6	IND C D
							D	E550L	RESISTOR, FIXED, CARBON: SAME AS D305	EA								D-15 5-36	R5									
							D	E550N	RESISTOR, FIXED, CARBON: SAME AS D305	EA								-15 5-36	R6									
P	D						D	E550P	RESISTOR, FIXED, CARBON: 81349; RC20GF681K	EA						8		-15 5-36	R7									
							D	E550R	RESISTOR, FIXED, METAL GLAZE: 11502; RG20-910-2%	EA							3		-15 5-36	R8								
							D	E550S	RESISTOR, FIXED, CARBON: SAME AS D066A	EA								-15 5-36	R9									
P	D						D	E550T	RESISTOR, FIXED, CARBON: 81549; RC20GF332K	EA							4		-15 5-36	R10								
P	D						D	E550U	RESISTOR, FIXED, CARBON: 81349; RC20GF472K	EA							9		-15 5-36	R11								
							D	E550V	RESISTOR, FIXED, CARBON: SAME AS E550U	EA								-15 5-36	R12									
							D	E550W	RESISTOR, FIXED, CARBON: SAME AS E550U	EA								-15 5-36	R14									
P	D						D	E550X	RESISTOR, FIXED, WIRE WOUND: 81349; RW69V1R0	EA							3		-15 5-36	R13								

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		59051656575						D	E550Y	RESISTOR, FIXED, CARBON: 81349; RC20GF392K	EA		1						3	-15 5-36	R15
P	D		59108805793						D	E550Z	CAPACITOR: 56289; CL64BH101KP3	EA		1						5	-15 5-36	C3
P	D		5905427387						D	E551B	CAPACITOR, FIXED, TANTALUM: 56289; 150D475X0035B2	EA		1						5	-15 5-36	C4
P	D		59109325344						D	E551C	CAPACITOR: 56289; 110D107X0050R0	EA		1						5	-15 5-36	C5
P	D		59107524270						D	E551D	CAPACITOR, FIXED, TANTALUM: 56289; 150D226X0015B2	EA		1						5	-15 5-36	C6
P	D		59610781650						D	E551E	SEMI-CONDUCTOR DEVICE, DIODE: 13327; 2A200	EA		2						10	-15 5-36	CR1
		D								E551F	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS E551E	EA		REF							-15 5-36	CR2
P	D		59614817539						D	E551G	SEMI-CONDUCTOR EA DEVICE, DIODE: 13327; TW-20	4								20	-15 5-36	CR3
									D	E551H	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS E551G	EA		REF							-15 5-36	CR4
									D	E551J	SEMI-CONDUCTOR DEVICE, DIODE; SAME AS E551G	EA		REF							-15 5-36	CRS
									D	E551K	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS E551G	EA		REF							-15 5-36	CR6

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399.7

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
P	D		59619952310						D	E551L	SEMI-CONDUCTOR DIODE, ZENER: 81349; 1N752A	EA		1						5	-15 5-36	CR7	
P	D		59619761154						D	E551N	SEMI-CONDUCTOR DIODE, ZENER: 13327; 1.5R75	EA		1						5	-15 5-36	CR8	
			59618327549						D	E551P	SEMI-CONDUCTOR DEVICE, DIODE, ZENER. SAME AS D895	EA		REF							-15 5-36	CR9	
P	D		59615310372						D	E551R	TRANSISTOR: 80131; 2N3906	EA		3						15	-15 5-36	Q5	
									D	E551S	TRANSISTOR: SAME AS E551R	EA		REF							-15 5-36	Q2	
									D	E551T	TRANSISTOR: SAME AS E551R	EA		REF							-15 5-36	Q5	
P	D		59618508921						D	E551U	TRANSISTOR: 81349; 2N3738	EA		1						5	-15 5-36	Q3	
C	D		53052070763						*	E551V	SCREW, MACHINE: 96906; MS352268-28	EA		2							-15 5-36		
			53106163555						*	E551WM	WASHER, LOCK; SAME AS C655 M	EA		REF							-15 5-36		
			53109349761						*	E551X	NUT, PLAIN, HEXAGON: SAME AS A965	EA		REF							-15 5-36		
P	D		59617526081						D	E551Y	TRANSISTOR: 81349; 2N657	EA		1						5	-15 5-36	Q6	
X2	D								C	E551Z	HEATSINK, ASSEMBLY: 08715; W-7712-26	EA		1								-15 4-19.1	23
			53109349761						*	E552B	NUT, PLAIN, HEXAGON: SAME AS A965	EA		REF							-15 4-19.1	20	

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399.8

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53105319514					*	E552CM	WASHER, FLAT: SAME AS C906AM	EA	REF									-15 4-19.1	22
			53109296395					*	E552D	WASHER, LOCKS: SAME AS A953	EA	REF									-15 4-19.1	21
X2	D							D	E552E	HEATSINK: 08715;W-7712-7	EA	1									-15 4-19.1	36
P	D		59611613454					D	E552F	TRANSISTOR: 13327; SDT1055	EA	1							5		-15 4-19.1	35
C	D		53055435763					*	E552G	SCREW, MACHINE: 96906; MS35223-31	EA	2									-15 4-19.1	34
			53109349761					*	E552H	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF									-15 4-19.1	29
								*	E552J	SPACER: SAME AS E548U	EA	REF									-15 4-19.1	33
			53109296395					*	E552K	WASHER, LOCK: SAME AS A953	EA	REF									-15 4-15.1	30
			53105319514					*	E552LM	WASHER, FLAT: SAME AS G906AM	EA	REF									-15 4-19.1	31
C	D							D	E552N	TERMINAL, LUG: 81349; 17-31	EA	1									-15 4-19.1	32
X2	D							D	E552P	COVER: 08715; W-7712-15	EA	1									-15 4-19.1	28
C	D		53056381716					*	E552R	SCREW, MACHINE: 96906; MS35223-17	EA	2									-15 4-19.1	27
			53109349748					*	E552S	NUT, PLAIN, HEXAGON: SAME AS B113E	EA	REF									-15 4-19.1	24
			53109338118					*	E552T	WASHER, LOCK: SAME AS B113F	EA	REF									-15 4-19.1	25

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399.9

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
X2	D		53106326721					*	E552U	WASHER, FLAT: SAME AS B113G	EA	REF									-15 4-19.1	26
								C	E552V	COVER, COMPONENT: 08715; W-7712-9	EA	1									-15 4-19.1	40
			53109349361					*	E552V1	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF									-15 4-19.1	37
			53109296395					*	E552V2	WASHER, LOCK: SAME AS A953	EA	REF									-15 4-19.1	38
			53105319514					*	E5S2V3M	WASHER, FLAT: SAME AS C906AM	EA	REF									-15 4-19.1	39
C	D							C	E552W	GROMMET: 08280; 91122	EA	1									-15 4-19.1	41
X2	D							C	E552X	COVER, TERMINAL BOARD: 08715; W -7712-16	EA	1									-15 4-19.1	44
			53109349761					*	E552Y	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF									-15 4-19.1	42
			53109296395						E552z	WASHER, LOCK: SAME AS A953	EA	REF									-15 4-19.1	43
M	H							B	E553	WIRING HARNESS: 58189; A65409-001	EA	1									-15 4-10	43
			59402049142					C	E555	TERMINAL, LUG: SAME AS A978	EA	REF									-15 4-10	89

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399.10

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					CD	1-5	6-10	11-20	1-5	6-10			11-20
			51405571628							C	E556	TERMINAL, LUG: SAME AS E527	EA												-15					
			5940S039995							C	E558A	TERMINAL, LUG: SAME AS B113A	EA												4-10	93				
			59405571629							C	E559 M	TERMINAL, LUG: SAME AS E174 M	EA												4-10	94				
P	H		59351038101							C	E560	CONNECTOR, PLUG, ELECTRICAL: 71486; CA06R28-20S	EA	1	1	1	1	1	1	1		3			4-10	91				
X2	H									C	E560A	CONNECTOR, TACK, ELECTRICAL: 58189; 559998-036	EA												4-10	96				
M	H									B	E561	CABLE ASSEMBLY, SPECIAL ELECTRICAL: 58189; A65413-001	EA												4-10	42				
P	H		59359316165							C	E562	CONNECTOR, RECEPT- ICAL, ELECTRICAL: 95238; 25026-16SGDS	EA	1	1	1	1	1	1			3			4-10	97				
P	H		59357264525							C	E563	CONNECTOR, RECEPT- ICAL, ELECTRICAL: 71468; CA06R22-14S	EA	1	1	1	1	1	1			3			4-10	98				
			74409335070							C	E564 M	CONTACT ASSEMBLY: SAME AS B106A	EA												4-10	38				
										D	E565 M	BRACKET, ANGLE: SAME AS B107A	EA												4-10	57				
										*	E566	SCREW, EXTERNAL RELIEVED BODY: SAME AS B108	EA												4-10	44				

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					CD	1-5	6-10	11-20	1-5	6-10			11-20
			53106389857							*	E567	WASHER, FLAT: SAME AS A952	EA												4-10	45				
			53109846652							*	E568A	WASHER, LOCK: SAME AS A953	EA												4-10	46				
										D	E569	INSULATOR, BUSHING: SAME AS B1 11	EA												4-10	56				
			74400193468							C	E570	CONTACT, ELECTRICAL: SAME AS B112	EA												4-10	82				
										C	E570A	PIN KEYING: SAME AS B112A	EA												4-10	53				
										C	E571	NAMEPLATE: SAME AS B114	EA												4-10	58				
			53400742072							C	E572	STRAP, LIKE SUPPORT: SAME AS B115	EA												4-10	54				
										C	E572A	CLAMP, LOOP. SAME AS C366	EA												4-10	51				
			53057702580								E572B	SCREW, MACHINE: SAME AS B113H	EA												4-10	50.1				
			53109349748								E572C	NUT, PLAIN, HEXAGON: SAME AS B113E	EA												4-10	47				
			53106326721							*	E572D	WASHER, FLAT: SAME AS B113G	EA												4-10	49				
			53109338118							*	E572E	WASHER, LOCK, SPLIT: SAME AS B113F	EA												4-10	48				
M	H									B	E573	WIRING HARNESS: 58189; A65415-001	EA	1											4-10	43.1				

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					CD	1-5	6-10	11-20	1-5	6-10			11-20
P	H		59409479947							C	E574	FERRULE: SAME AS C385	EA												-15					
			59350540208							C	E575	CONNECTOR, PLUG, ELECTRICAL: 71468; CA06R24-28S	EA	1	1	1	1	1	1	1		3			-15	102				
P	H		59357272134							C	E576	CONNECTOR, PLUG, ELECTRICAL: 71468; CA06R28-12S	EA	2	1	1	1	1	1	1		6			-15	99				
			59357272134							C	E577	CONNECTOR, PLUG, ELECTRICAL: SAME AS E5763	EA												-15	100				
																									-15	101				

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401.1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					CD	1-5	6-10	11-20	1-5	6-10			11-20
			74409335070							C	E578 M	CONTACT ASSEMBLY: SAME AS B106A	EA												-15					
										D	E579 M	BRACKET, ANGLE: SAME AS B107A	EA												-15	39				
										*	E580	SCREW, TERMINAL RELIEVED BODY: SAME AS B108	EA												-15	57				
			53106389857							*	E581	WASHER, FLAT: SAME AS A952	EA												-15	44				
			53109546652							*	E581A	WASHER, LOCK.: SAME AS A953	EA												-15	45				
										D	E583	INSULATOR, BUSHING: SAME AS B111	EA												-15	46				
			53400742072							C	E584	STRAP, LINE SUPPORT: SAME AS B115	EA												-15	56				
										C	E585	NAMEPLATE: SAME AS B114	EA												-15	54				
										C	E586	PIN, KEYING: SAME AS B112A	EA												-15	55				
			77400193468							C	E587	CONTACT, ELECTRICAL: SAME AS B112	EA												-15	53				
																									-15	52				

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE				(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53057702580						C	E588	CLAMP, LOOP: SAME AS C366	EA		REF							-15	
								*	E589	SCREW, MACHINE: SAME AS B113H	EA		REF								4-10	51
			53109349748					*	E590	NUT, PLAIN, HEXAGON: SAME AS 81131	EA		REF								-15	50.1
			53106326721					*	E591	WASHER, FLAT: SAME AS B113G	EA		REF								4-10	47
			53109338118					*	E592	WASHER, LOCK, SPLIT: SAME AS B113F	EA		REF								-15	49
M	H							B	E593	PLATE, IDENTIFICATION 58189 A53909-001	EA		1								4-10	48
C	H							*	E594	SCREW, MACHINE: 96905; MS21318-1	EA		2								-15	18.2
M	H							B	E595	PLATE IDENTIFICATION 581809 A64548-001	EA		1								4-10	18.1
A	H							B	E596	PANEL ASSEMBLY: 58189; A64543-001	EA		1								-15	13.1
X2	H							C	E597	PANEL: 58189; A64550 001	EA		1								4-10	9.1
			53406849956					C	E598	LATCH: SAME AS A975 M	EA		REF								-15	9.2
																					4-10	9.3

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE				(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53109249759						B	E599	CLAMP, LOOP . SAME AS C366	EA		REF							-15	
								*	E600	NUT, PLAIN, HEXAGON: SAME AS A960;	EA		REF								4-10	107
			53105586207					*	E601	WASHER, FLAT: SAME AS A959A	EA		REF								-15	103
			53109338119					*	E602	WASHER, LOCK: SAME AS A959	EA		REF								4-10	104
								B	E603	CLAMP, LOOP: SAME AS C366	EA		REF								-15	105
			53050546672					*	E604	SCREW, MACHINE: SAME AS A958	EA		REF								4-10	107
			53109249759					*	E605	NUT, PLAIN, HEXAGON: SAME AS A960	EA		REF								-15	106
			53105586207					*	E606	WASHER, FLAT: SAME AS A959A	EA		REF								4-10	103
			53109338119					*	E607	WASHER, LOCK. SAME AS A959	EA		REF								-15	104
								B	E608	CLAMP, LOOP: SAME AS C366	EA		REF								4-10	105
			53050546672					*	E609	SCREW, MACHINE: SAME AS A958	EA		REF								-15	107
			53005586207					*	E610	WASHER, FLAT: SAME AS A959A	EA		REF								4-10	106
			53109338119					*	E611	WASHER, LOCK: SAME AS A959	EA		REF								-15	104
																					4-10	105

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				1	2	3	4	5	6														IND CD	DESCRIPTION	1-5	6-10	11-20	1-5	6-10	11-20
P	H		53050546672						B	E612	CLAMP, LOOP: 12357; HP-12N	EA	8	*	*	*	*	*	*	8	-15	
			53109249759						*	E613	SCREW, MACHINE: SAME AS A958	EA	REF								4-10	108
			53105586207						*	E614	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF								4-10	106
			53109338119						*	E615	WASHER-, FLAT: SAME AS A959A	EA	REF								4-10	103
			53109338119						*	E616	WASHER, LOCK: SAME AS A959	EA	REF								4-10	104
			53109249759						B	E617	CLAMP, LOOP: SAME AS E612	EA	REF								4-10	105
			53105586207						*	E618	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF								4-10	108
			53109338119						*	E619	WASHER, FLAT: SAME AS A959A	EA	REF								4-10	103
			53109338119						*	E620	WASHER, LOCK: SAME AS A959	EA	REF								4-10	104
			53050546672						B	E621	CLAMP, LOOP: SAME AS E612	EA	REF								4-10	105
			53105586207						*	E622	SCREW, MACHINE: SAME AS A958	EA	REF								4-10	108
			53109338119						*	E623	WASHER, FLAT: SAME AS A959A	EA	REF								4-10	106
			53109338119						*	E624	WASHER, LOCK: SAME AS A959	EA	REF								4-10	104
																					-15	105

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL									(A)	(B)	(C)	(A)	(B)	(C)			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6														IND CD	DESCRIPTION	1-5	6-10	11-20	1-5	6-10	11-20
C	H		53050546672						B	E625	CLAMP, LOOP: SAME AS E163B	EA	REF								-16		
			53109249759						*	E626	SCREW, MACHINE: SAME AS A958	EA	REF								4-10	109	
			53105586207						*	E627	NUT PLAIN, HEXAGON: SAME AS A960	EA	REF								4-10	106	
			53109336119						*	E628	WASHER, FLAT: SAME AS A159A	EA	REF								4-10	103	
			53109336119						*	E629	WASHER, LOCK: SAME AS A959	EA	REF								4-10	104	
			53050546672						B	E630	CLAMP, LOOP: 12357; HP-16N	EA	2									4-10	105
			53105586207						*	E631	SCREW, MACHINE: SAME AS A958	EA	REF								4-10	550	
			53109338119						*	E632	WASHER, FLAT: SAME AS A959A	EA	REF								4-10	106	
			53050546672						*	E633	WASHER, LOCK: SAME AS A959	EA	REF								4-10	104	
			53109249759						B	E634	CLAMP, LOOP: SAME AS E630	EA	REF								4-10	105	
			53105586207						*	E635	SCREW, MACHINE: SAME AS A958	EA	REF								4-10	110	
			53109249759						*	E636	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF								4-10	106	
			53105586207						*	E636A	WASHER FLAT: SAME AS A959A	EA	REF								4-10	103	
																					-15	104	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)											
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)									
S	O	U											MODEL								IND	CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6						1-5	6-10	11-20					
C	H		53109338119						*	E637	WASHER, LOCK: SAME AS A959	EA	REF									-15									
									B	E638	CLAMP, LOOP: 12357; HP-5N	EA	2										4-10	105							
			53050546672						*	E639	SCREW, MACHINE: SAME AS A958	EA	REF										-15	111							
			53105586207						*	E640	WASHER, FLAT: SAME AS A959A	EA	REF										-15	106							
			53109338119						*	E641	WASHER, LOCK: SAME AS A959	EA	REF										-15	104							
										B	E642	CLAMP, LOOP: 12357; HP-RN	EA	5										-15	105						
			53050546672						*	E643	SCREW, MACHINE: SAME AS A958	PA	REF											-15	112						
			53105586207						*	E644	WASHER, FLAT: SAME AS A959A	EA	REF											-15	106						
			53109338119						*	E645	WASHER, LOCK: SAME AS A959	EA	REF											-15	104						
C	H							B	E646	CLAMP, LOCK; 12357; HP-9N	EA	1										-15	105								
			53109249759					*	E647	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF										-15	113								
			53105586207					*	E648	WASHER, FLAT: SAME AS A959A	EA	REF											-15	103							
			53109338119					*	E649	WASHER, LOCK: SAME AS A959	EA	REF											-15	104							

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)											
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)									
S	O	U											MODEL								IND	CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6						1-5	6-10	11-20					
C	H								B	E650	CLAMP, LOOP: 80063; SMC634831-3	EA	1									-15									
			53050546672						*	E651	SCREW, MACHINE: SAME AS A958	EA	REF										4-10	114							
			53105586207						*	E652	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF										-15	106							
			53105586207						*	E653	WASHER, FLAT: SAME AS A959A	EA	REF											-15	103						
			53106143552						*	E654 M	WASHER, LOCK: 96906; MS35335-59	EA	6											-15	104						
										B	E655	BAR, CLAMP 80063; SMC634816	EA	1										-15	115						
			53109349765						*	E656	NUT, PLAIN, HEXAGON: SAME AS A966C	EA	REF											-15	119						
			53101670812						*	E657	WASHER, FLAT: SAME AS A939	EA	REF											-15	116						
			53109338120						*	E658	WASHER, LOCK: SAME AS A938	EA	REF											-15	117						
			53109249759						*	E659	NUT, PLAIN, HEXAGON:	EA	REF											-15	118						

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE							(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
S O U R C E C O D E	M A I N T E N A N C E C O D E	R E P A R T C O D E		MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20			
A	H	R	53101670812							3	E662	POWER SUPPLY ASSEMBLY: 58189; A64538-001	EA	1										-15	
				53109338120							*	E663	SCREW, MACHINE: SAME AS E530A	EA	REF										4-10	20
			74401656532								*	E664	WASHER, FLAT: SAME AS A939	EA	REF										-15	21
				74401656532							*	E665	WASHER, LOCK: SAME AS A938	EA	REF										-15	22
A	H	R	74401656532								C	E666	PRINTER INTERPRETER ASSY 06809; 15521G1	EA	1										-15	23
P	H			75100189564							D	E667	RIBBON ASSEMBLY: 06809; 56658G1	EA	1	*	*	*	*	*	*		3		-15	9
P	H		74409267708								D	E668	CODE DISK, ASCII 06809; 30441	EA	1	1	2	3	1	2	3		1		-15	87
P	H			74409351338							*	E669	CODE DISK, ITA 2: 06809; 30442	EA	1	1	2	3	1	2	3		1		-15	1
A	H	R	53050593660								D	E670	LOW SPEED PRINTER INTERPRETER ASSEMBLY: 06809; 52782G1	EA	1										-15	1.1
				53101670812							*	E671	SCREW, MACHINE: SAME AS A942	EA	REF										-15	6
			53109338120								*	E672	WASHER, FLAT: SAME AS A939	EA	REF										-15	7
				53109338120							*	E673	WASHER, LOCK: SAME AS A938	EA	REF										-15	8
X2	H		5920702694								E	E674	SPOOL, RIBBON: 06809; 52670-1	EA	1										-15	84
P	H			5920702694							E	E675	FUSE, OP EN LINK 1/4 AMP: 71400; GMT1-4	EA	1	5	10	15	5	10	15		50		-15

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE							(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
S O U R C E C O D E	M A I N T E N A N C E C O D E	R E P A R T C O D E		MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20			
P	H		59209019936							E	E676	FUSE, OPEN LINK: 71400; GMT1	EA	1	5	10	15	5	10	15		50		-15	15
X2	H			53050546650							E	E677	COVER, CODE WHEEL : 06809; 56219-1	EA	1										-15	9
			53105319514								*	E678	SCREW, MACHINE: SAME AS C942 M	EA	REF										-15	6
				53109296395							*	E679	WASHER, FLAT: SAME AS C90 6AM	EA	REF										-15	8
			53109296395								*	E680	WASHER, LOCK: SAME AS A953	EA	REF										-15	7
C	H			53408793829							E	E681	CLAMP, LOOP: 81074; NPC6	EA	2										-15	13
			53050546652								*	E682	SCREW, MACHINE: SAME AS A951 M	EA	REF										-15	10
				53105319514							*	E683	WASHER, FLAT: SAME AS C906AM	EA	REF										-15	12
			53109296395								E	E684	WASHER, LOCK: SAME AS A953	EA	REF										-15	11
A	H	R		53109296395							E	E685	PANEL ASSEMBLY: 06809; 52899G1	EA	1										-15

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE					(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)					
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
S	M	R		MODEL									IND CD	DESCRIPTION	(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5			(B) 6-10	(C) 11-20	FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6															
			53109349761						*	E686	NUT, PLAIN, HEXAGON; SAME AS A965	EA		REF								-15		
C	H		530576543S2						*	E687	SCREW, MACHINE: 96906; MS51959-31	EA		5								4-35	1	
			53050546671						*	E688	SCREW, MACHINE: SAME AS C393 M	EA		REF								4-35	5	
C	H								*	E689	WASHER, FLAT, NYLON: 06809; 933-118-010	EA		5								-15	16	
			53105319514						*	E690	WASHER, FLAT: SAME AS C906AM	EA		REF								4-35	17	
C	H		53102091366						*	E691	WASHER, LOCK: 791189; 1606-00	EA		1								-15	3	
			53109296395						*	E692	WASHER, LOCK: SAME AS A953	EA		REF								4-35	4	
X2	H								F	E693	SUPPORT, ANGLE: 06809; 52981-1	EA		2								-15	2	
			53109349761						*	E694	NUT, PLAIN, HEXAGON: SAME AS A965	EA		REF								-15	98	
			53057654352						*	E695	SCREW, MACHINE: SAME AS E687	EA		REF								4-36	96	
			53105319514						*	E696	WASHER, FLAT: SAME AS C906AM	EA		REF								-15	93	
																						4-36	94	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE					(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)					
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
S	M	R		MODEL									IND CD	DESCRIPTION	(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5			(B) 6-10	(C) 11-20	FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6															
			53109296395						*	E697	WASHER, LOCK: SAME AS A953	EA		REF								-15		
X2	H								F	E698	TAPE, FOAM: 06809; 893-105-009	EA		2								4-36	95	
X2	H								F	E699	HANDLE: 71279; 1264-1	EA		1								-15	97	
C	H		53059591 909						*	E700	SCREW, MACHINE: 96906; MS16996-11	EA		2								4-36	92	
			53100593659						*	E701	WASHER, FLAT: SAME AS B136	EA		REF								-15	18	
			53109338120						*	E702	WASHER, LOCK: SAME AS A938	EA		REF								4-36	90	
X2	H		49207418569						F	E703	FERRULE, HANDLE: 71279; 1988-2	EA		2								-15	89	
			59209683238						F	E704	FUSEHOLDER: SAME AS C344 M	EA		REF								4-36	91	
			53109349748						*	E705	NUT, PLAIN, HEXAGON: SAME AS B113E	EA		REF								-15	68	
C	H		53057637827						*	E706	SCREW, MACHINE: 96906; MS51959-18	EA		6								4-36	67	
																						-15	64	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)											
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)									
S	O	U											MODEL								IND	CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6														1-5	6-10	11-20	1-5	6-10	11-20
			53106326721							*	E707	WASHER, FLAT; SAME AS B113G	EA		REF									-15							
			53109338118							*	E708	WASHER, LOCK, SPLIT; SAME AS B113P	EA		REF									4-36	65						
X2	H		59405189128							F	E709	TERMINAL BOARD: 71785; 4-140	EA		1									-15	66						
			53109349761							*	E710	NUT, PLAIN, HEXAGON: SAME AS A965	EA		REF									-15							
			53050711312							*	E711	SCREW, MACHINE: SAME AS D131AM	EA		REF									-15	35						
			53109296395							*	E712	WASHER, LOCK: SAME AS A953	EA		REF									-15							
M	H									F	E713	MARKER STRIP: 71785; MS4-140	EA		1									-15	34						
X2	H		59405028294							F	E714	STRADDLE PLATE: 75382; 600SP	EA		2									-15	38						
X2	H		74409893618							F	E715	ROLLER ASSEMBLY: 12344; 333050	EA		2									-15	36						
C	H		53059906381							*	E716	SCREW, MACHINE: 96906; MS16995-19	EA		2									-15	87						
			53105319514							*	E717	WASHER, PLATE: SAME AS C906AM	EA		REF									-15	84						
			53109296395							*	E718	WASHER, LOCK: SAME AS A953	EA		REF									-15	86						
													EA		REF									-15	85						

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)											
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)									
S	O	U											MODEL								IND	CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6														1-5	6-10	11-20	1-5	6-10	11-20
P	H		30309338564							F	E719	BELT, DRIVE: 06809; 10231-1	EA		1	2	3	4	2	3	4			4	-15						
A	H									F	E720	IDLER PULLEY SUB- ASSEMBLY; 06809; 52945G1	EA		1									-15	2						
C	H									*	E721	NUT, MOUNTING; 06809; 52872-1	EA		1									-15	12						
C	H		53050526456							*	E722	SCREW, MACHINE 96906; MS16996-10	EA		3									-15	8						
			53100593659							*	E723	WASHER, FLAT: SAME AS B136	EA		REF									-15	5						
			53109338120							*	E724	WASHER, LOCK; SAME AS 938	EA		REF									-15	7						
P	H		74400191988							G	E725	PULLEY BEARING S UB- ASSEMBLY 06809; 52873G1	EA		1	1	1	1	1	1	1			1	-15	6					
C	H									*	E726	RING RETAINING: 89462; 5133-18	EA		2									-15	11						
C	H									*	E727	WASHER, NON METAL: 02751; 10	EA		1									-15	9						
X2	H									G	E728	PLATE, SUBASSEMBLY: MOUNTING:	EA		1									-15	10						
X2	H									F	E729	PULLEY, MOTOR: 06809; 56044-1	EA		1									-15	13						
													EA		REF									-15	4						

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
C	H		53057195339					*	E730	SETSCREWS, HEXAGON 96906: MS51963-22	EA	2								-15 4-36	3	
A	H	R						F	E731	RIBBON, PRINT WHEEL ASSEMBLY: 06809: 52906G1	EA	1								-15 4-36	32	
C	H		53059887604					*	E732	SCREW, MACHINE: 96906: MS16995-28	EA	4								-15 4-36	29	
			53106853744					*	E733	WASHER, FLAT: SAME AS C772AM	EA	REF								-15 4-36	31	
			53109338119					*	E734	WASHER, LOCK: SAME AS A959	EA	REF								-15 4-36	30	
X2	H							G	E735	COVER, SWITCH: 06809: 11265	EA	1								-15 4-42	17.2	
A	H	R						G	E736	BRACKET ASSEMBLY: PHASE ADJUSTING: 06809: 52940G1	EA	1								-15 4-42	58.1	
C	H		53102089255					*	E737	NUT, HEXAGON, SELF- LOCKING: 72962: 79NM02	EA	2								-15 4-42	37	
C	H		53059586517					*	E738	SCREW, MACHINE: 96906: MS16996-12	EA	1								-15 4-42	34	
C	H		53108663567					*	E739	WASHER, BELLEVILLE: 92830: 375-15	EA	7								-15 4-42	36	
			53100593659					*	E740	WASHER, PLATE: SAME AS B136	EA	REF								-15 4-42	35	
P	H		74400756778					H	E741	ASSEMBLY, LED 10 LITE: 06809: 00-001592-1	EA	2	1	2	3	1	2	3	6	-15 4-42	41.1	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53050545659					*	E742	SCREW, MACHINE SAME AS C283 M	EA	REF								-15 4-42	38	
			53106326721					*	E743	WASHER, FLAT: SAME AS B113G	EA	REF								-15 4-42	40	
C	H		53108355477					*	E744	WASHER, LOCK: 78189: 1204-03	EA	7								-15 4-42	39	
X2	H							H	E745	HOUSING LAMP: 06809: 56497-1	EA	1								-15 4-42	46	
			53050546652					*	E746	SCREW, MACHINE: SAME AS A951 M	EA	REF								-15 4-42	42	
			53109296395					*	E747	WASHER, LOCK: SAME AS A953	EA	REF								-15 4-42	44	
X2	H							H	E748	BRACKET ASSEMBLY, HOUSING: 06809: 56407G1	EA	1								-15 4-42	45	
			530546653					*	E749	SCREW, MACHINE SAME AS D598 M	EA	REF								-15 4-42	43	
			53109296395					*	E750	WASHER, LOCK: SAME AS A953	EA	REF								-15 4-42	44	
P	H		74400191002					H	E751	LIGHT SENSOR ASSEMBLY: 06809: 56518G1	EA	1	1	2	3	1	2	3	3	-15 4-42	50	
			5305545659					*	E752	SCREW, MACHINE: SAME AS C283 M	EA	REF								-15 4-42	49	
X2	H							H	E753	BRACKET, MOUNTING: 06809: 62654-2	EA	1								-15 4-42	53	
			53059591082					*	E754	SCREW, MACHINE: SAME AS C969 M	EA	REF								-15 4-42	51	
			5310929395					*	E755	WASHER, LOCK: SAME AS A953	EA	REF								-15 4-42	52	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
A	H	R	53057636963						H	E756	BLOCK ASSEMBLY: 06809; 52682G1	EA		1								-15		
C	H								*	E757	SCREW, MACHINE 96906; MS51959-28	EA		3								-15	57.1	
X2	H								I	E758	BLOCK, ADAPTER: 06809; 526B2-1	EA		1								-15	54	
C	H								I	E759	PIN, GROOVED, HEADLESS: 83584; TYPED1X3-8SS	EA		2									-15	57
C	H								I	E760	PIN, GROOVED, HEADLESS; 83584; TYPED1-8X3-4SS	EA		2									-15	35
X2	H								H	E761	BRACKET MOUNTING: 06809; S6680-2	EA		1									-15	56
X2	H								G	E762	GUARD CODE DISK: 06809; 56671-1	EA		1									-15	58
X2	H								G	E763	SPACER, SLEEVE; 06809; 52964-1	EA		2									-15	2
A	H								G	E764	CLAMP SUBASSEMBLY DISK 06809; 52640G1	EA		1									-15	3
C	H								*	E765	SCREW, CAPTIVE : 06540; 6193550832	EA		1									-15	7.1
C	H		53057640080					*	E766	SCREW, MACHINE: 96906; MS51959-52	EA		2									-15	4	
			53108663567					*	E767	WASHER, BELLEVILLE: SAME AS E739	EA		REF									-15	1	
																						-15	5	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
X2	H		53059887605						H	E768	CLAMP, DISK: 06809; 52640-1	EA		1									-15	
C	H								H	E769	PIN, GROOVED, HEADLESS- 835134; TYPEB1-8X3-8SS	EA		1									-15	7
A	H								G	E770	PULLEY SUBASSEMBLY: 06809; 56679G1	EA		1									-15	6
C	H								*	E771	SCREW, MACHINE: 96906; MS16995-29	EA		2									-15	6
X2	H								H	E772	PULLEY, DRIVE: 06809; 52639-1	EA		1									-15	27
C	H								H	E773	PIN, GROOVED, HEADLESS: 83584; C1-8X1-4SS	EA		2									-15	29
X2	H								C	E774	FLYWHEEL, DRIVE; 06809; 56359-1	EA		1									-15	28
X2	H								G	E775	PLATE, RETAINER: 06809; 52612-1	EA		1									-15	30
				53059591982					*	E776	SCREW, MACHINE: SAME AS C969 M	EA		REF									-15	33
				53109296395					*	E777	WASHER, LOCK- SAME AS A953	EA		REF									-15	31
P	H		31109752051					G	E778	BEARING, BALL: 43334; Z97R6XR1CJ	EA		1	1	2	3	1	2	3		3	-15	32	
																						-15	71	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
A	H	R	53050546652						G	E779	SWITCH, SUBASSEMBLY, RIGHT HAND: 06809; 52790G1	EA		1								-15 4-42	17.3	
			53109296395						*	E780	SCREW, MACHINE: SAME AS A951 M	EA		REF								-15 4-42	16	
			53106389857						*	E781	WASHER, LOCK: SAME AS A953	EA		REF								-15 4-42	17	
									*	E782	WASHER, FL.AT: SAME AS A952	EA		REF								-15 4-42	17.1	
X2	H								H	E783	SWITCH, ACTUATOR, ASSEMBLY 06809; 52605G1	EA		2								-15 4-42	21	
C	H								*	E784	NUT, PLAIN, HEXAGON: 96906; MS35649-24	EA		4								-15 4-42	19	
C	H		53050545641						*	E785	SCREW, MACHINE: 96906; MS51957-7	EA		6								-15 4-42	18	
			59305838861						H	E786	SWITCH, MICRO: SAME AS D306 M	EA		REF								15 4-42	20	
X2	H								H	E787	INSULATOR, SWITCH: 06809; 52620-1	EA		3								-15 4-42	22	
X2	H								H	E788	BRACKET, MOUNTING: 06809; 52629-1	EA		2								-15 4-12	23	
A	H	R	53050546652						G	E789	SWITCH ASSEMBLY, LEFT HAND: 06809; 52791G1	EA		1								-15 4-42	9.1	
									*	E790	SCREW, MACHINE: SAME. AS A951 M	EA		REF								-15 4-42	B	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
			53109296395						*	E791	WASHER, LOCK: SAME AS A953	EA		REF								-15 4-42	9	
									H	E792	SWITCH, ACTUATOR. ASSEMBLY: SAME AS E783	EA		REF								-15 4-42	12	
									*	E793	NUT, PLAIN, HEXAGON: SAME AS E784	EA		REF								-15 4-42	11	
			53050545641						*	E794	SCREW, MACHINE: SAME AS E785	EA		REF								-15 4-42	10	
			59305838861						H	E795	SWITCH, MICRO: SAME AS D306 M	EA		REF								-15 4-42	13	
									H	E796	INSULATOR, SWITCH: SAME AS E787	EA		REF								-15 4-42	14	
									H	E797	BRACKET, MOUNTING: SAME AS E788	EA		REF								-15 4-42	15	
X2	H								G	E798	COVER, ENTERPRETER: 06809; 5299 6-1	EA		1								-15 4-42	26	
			53050546652						*	E799	SCREW, MACHINE: SAME AS A951 M	EA		REF								-15 4-42	24	
C	H								*	E800	WASHER, NON METAL 06809; 933-107-102	EA		2								-15 4-4.2	25	
X2	H								G	E801	RETAINER, SPOOL: 06809; 52868-1	EA		1								-15 4-42	78	
			5305545651						*	E802	SCREW, MACHINE: SAME AS C377 M	EA		REF								-15 4-42	75	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			53108663567						*	E803	WASHER, BELLEVILLE SAME AS E739	EA	REF										-15		
			53106326721						*	E804	WASHER, FLAT; SAME AS B113G	EA	REF										4-42	77	
X2	H								G	E805	SPACER, SLEEVE: 06809; 52876-1	EA	1										4-42	76	
X2	H								G	E806	POST, RETAINER: 06809; 52877-1	EA	1										4-42	79	
			53059590382						*	E807	SCREW, MACHINE: SAME AS C776 M	EA	REF										-15		
			53105319514						*	E808	WASHER, FLAT: SAME AS C906AM	EA	REF										4-42	80	
			53109296395						*	E809	WASHER, LOCK: SAME AS A953	EA	REF										-15		
A	H	R							G	E810	SLEEVE, SUBASSEMBLY, DRIVE: 06809; 52641G1	EA	2										4-42	81	
C	H		53402635954						*	E811	RING, RETAINING: 79136; 5100-31	EA	2										-15		
X2	H								H	E812	SLEEVE, DRIVE: 06809; 52641-1	EA	1										4-42	99	
C	H								H	E813	PIN, GROOVED, HEADLESS: 83584; B1-16X1-4SS	EA	1										4-42	89	
C	H								G	E814	WASHER, BEARING: 06809; 52889-1	EA	2										-15		
																							4-42	90	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
C	H								G	E815	WASHER, COMPRESSION: 06809; 58877-1	EA	2											-15	
X2	H								G	E816	BUSHING, FLANGED; 06809; 52865-1	EA	2										4-42	91	
C	H								G	E817	WASHER, FLAT: 06809; 528880-1	EA	4										-15		
X2	H								G	E818	CLAMP, WASHER; 06809; 52610-1	EA	1										4-42	98	
			53050526456						*	E819	SCREW, MACHINE: SAME AS E722	EA	REF										4-42	64	
X2	H								G	E820	KEY, MACHINE: 06009; 52948-1	EA	1										-15		
P	H		74400192002						G	E8021	SEGMENT, ENGRAVED: 06809; 52661-1	EA	1	1	2	3	1	2	3		1		-15		
X2	H								G	E822	SPACER, PRINT ROLL: 06809; 52658-1,	EA	1										4-42	65	
X2	H								G	E023	PLATE, RETAINING: 06809; 52642-1	EA	1										-15		
			53059590382						*	E824	SCREW, MACHINE: SAME AS C776M	EA	REF										4-42	67	
P	H		31100591372						G	E825	BEARING, BALL: 43334; Z97RBXR1CJ	EA	1	1	2	3	1	2	3		3		-15		
X2	H		53109542353						G	E826	WASHER, WAVY; 92830; R8	EA	1										4-42	70	
																							-15		
																							4-42	73	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
1	2	3	4	5	6	CD																
X2	H							G	E827	POST RIBBON GUIDE: 06809; 52887-1	EA	4								-15		
A	H	R						G	E828	PLATE SUBASSEMBLY RIGHT HAND; 06009; 52666G1	EA	1								4-42	92	
C	H		53050711322					*	E829	SCREW, MACHINE: 96906; MS51960-65	EA	12								-15		
X2	H							H	E830	PLATE, HOUSING, RIGHT HAND; 06809; 52666-1	EA	1								-15		
C	H		74400192122					H	E831	PIN, GROOVED, HEADLESS: 83584; TYPED1-8X3-8SS	EA	2								-15		
C	H		53402973841					H	E832	INSERT, THREADED: 91767; 1185-2CNX246	EA	4								-15		
A	H	R						G	E833	CLUTCH ASSEMBLY: 06809; 52681G1	EA	2								4-4 2	95.1	
P	H		74400194681					H	E834	ROTOR, ARMATURE 16554; B6509207-2	EA	1	1	2	3	1	2	3	1	-15		
C	H		53152401100					H	E835	ROLL PIN; 72962; 52-012-062-03 12	EA	1								-15		
P	H		74400190976					H	E836	PLATE, ARMATURE: 06809; 56646-1	EA	1	1	2	3	1	2	3	1	-15		
P	H		74400190922					H	E837	GEAR, CLUTCH: 06809; 52517-1	EA	1	1	2	3	1	2	3	1	-15		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
1	2	3	4	5	6	CD																
P	H		74400431203					H	E838	SHAFT, DRIVE; 06809; 52549-1	EA	1	*	*	*	*	*	*	3	-15		
P	H		74400194699					G	E839	FIELD ASSEMBLY: 16554; B6509207-1	EA	2	1	2	3	1	2	3	2	-15		
C	H		530506864 10					*	E840	SCREW, MACHINE; 96906; MS16995-2	EA	8								-15		
			53109282690					*	E841	WASHER, LOCK: SAME AS C316 M	EA	REF								-15		
P	H		31204341467					G	E842	BUSHING, SLEEVE: 06809; 52924-1	EA	2	*	*	*	*	*	*	4	-15		
P	H		74401348192					G	E843	SHAFT SUBASSEMBLY: 06809; 52647G1	EA	1	1	2	3	1	2	3	1	-15		
X1	H							H	E844	GEAR, SPUR: 06809; 52539-1	EA	1								-15		
C	H							H	E845	ROLL PIN: 72962; RPB062-059-437	EA	2								-15		
X1	H							H	E846	SHAFT, PINION; 06809; 52563-1	EA	1								-15		
P	H		31205557544					G	E847	BUSHING: 71041; FB35-2	EA	2	*	*	*	*	*	*	4	-15		
A	H	R						G	E848	GEAR SUBASSEMBLY, PINION:	EA	1								-15		
P	H		74400190866					H	E849	GEAR, DRIVE: 06809; 52575-1	EA	1	1	2	3	1	2	3	1	-15		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
P	H							H	E850	ROLL PIN: SAME AS E845	EA									-15 4-42	106	
P	H		74400431238					H	E851	SHAFT ,PINION; 06809; 52571-1	EA	1	*	*	*	*	*	*	3	-15 4-42	115	
P	H		31107335157					G	E852	BEARING, FLANGED 83085; SFR33MM	EA	2	1	2	3	1	2	3	6	-15 4-42	113	
X2	H							G	E853	SHAFT PRINT ROLL: 06809; 52679-2	EA	1							3	-15 4-42	74	
P	H		53654802420					G	E854	SPACER, BEARING: 06809; 52646-1	EA	1	*	*	*	*	*	*	3	-15 4-42	72	
X2	H							G	E855	STANDOFF: 06809; 52991-1	EA	4								-15 4-42	94	
			53050711322					*	E856	SCREW, MACHINE: SAME AS E829	EA	REF								-15 4-42	93	
A	H							G	E857	PLATE SUBASSEMBLY, LEFT HAND: 06809; 52665G1	EA	1								-15 4-42		
X2	H							H	E858	PLATE, HOUSING, LEFT HAND: 06809; 52665-1	EA	1								-15 4-42	116	
			53402973841					H	E859	INSERT, THREADED: SAME AS E832	EA	REF								-15 4-42	95.1	
X2	H		59350591064					G	E860	SHELL, PLUG,; 71468; DE19977-5	EA	4								-15 4-42	59	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
P	H		59358805441					G	E861	CONNECTOR PLUG, ELECTRICAL: 71468; DEM9P	EA	2	1	2	3	1	2	3	9	-15 4-42	60	
P	H		74400193455					G	E862	CONTACT, ELECTRICAL: 00779; 60598-1LP	EA	4	4	8	12	4	8	12	12	-15 4-42	61	
			53050545649					*	E863	SCREW, MACHINE: SAME AS C283 M	EA	REF								-15 4-42	47	
			53108355477					*	E864	WASHER, LOCK: SAME AS E744	EA	REF								-15 4-42	48	
A	H	R						F	E865	SUPPORT, GUIDE: 06809; 56372G1	EA	1								-15 4-36	28.1	
			53109338118					*	E866	SCREW, MACHINE: SAME AS C694AM	EA	REF								-15 4-36	17	
								*	E867	WASHER, LOCK, SPLIT: SAME AS B113F	EA	REF								-15 4-36	18	
A	H							G	E868	HOLDDOWN SUBASSEMBLY: 06809; 56368G1	EA	1								-15 4-36	23.1	
X2	H							*	E869	PIN HINGE: 06809; 52863-1	EA	1								-15 4-36	21	
P	H		7400431236					H	E870	LEVER HOLDDOWN: 06809; 56070-1	EA	1	*	*	*	*	*	*	3	-15 4-36	23	
X2	H							H	E871	SPACER, SLEEVE: 06809; 56070-1	EA	1								-15 4-36	22	
C	H							G	E872	SETSCREW: 06809; 845-122-049	EA	1								-15 4-36	20	
X2	H		74409265425					G	E873	SPRING, TORSION: 06809; 56092-1	EA	1								-15 4-36	24	
X2	H							G	E874	GUIDE, TAPE; 06809; 56074-1	EA	1								-15		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
			53050545649					*	E875	SCREW, MACHINE: SAME AS C283 M	EA	REF									-15			
			53109338118					*	E876	WASHER, LOCK, SPLIT: SAME AS B113F	EA	REF									4-36	25		
			53057195329					*	E877	SETSCREW: 96906; MS51963-20	EA	2									4-36	26		
	X2	H						G	E878	SUPPORT, TAPE: 06809; 56373-1	EA	1									-15	19		
	A	H						F	E879	TAPE READER ASSEMBLY: 06809; S6388G2	EA	1									4-36	28		
			53050526456					*	E880	SCREW, MACHINE: SAME AS E722	EA	REF									-15	77		
			53109338120					*	E881	WASHER, LOCK: SAME AS A938	EA	REF									4-36	75		
			53050546669					*	E882	SCREW, MACHINE: SAME AS A981	EA	REF									-15	76		
			53109338119					*	E883	WASHER, LOCK: SAME AS A959	EA	REF									4-36	73		
			53105586207					*	E884	WASHER, FLAT: SAME AS A959A	EA	REF									-15	74		
	A	H						G	E885	SWITCH SUBASSEMBLY: 06809; 52978G1	EA	1									4-36	73.1		
			53050685276					*	E886	SCREW, MACHINE: SAME AS D014 M	EA	REF									-15			
			53106326721					*	E887	WASHER, FLAT: SAME AS B113G	EA	REF									4-47	1		
	P	H	74400431325					H	E888	LEVER, LIFTING: 06809; 52802-1	EA	1	*	*	*	*	*	*	*	3	-15	7		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
	X2	H						*	E889	PIN LEVER: 06809; 52806-1	EA	1									-15			
	C	H	53402825322					*	E890	RING, RETAINING: 791367 5133-12	EA	2									4-47	6		
	C	H						*	E891	WASHER, FLAT: 86044; AN960C5	EA	2									-15	4		
			59305838861					H	E892	SWITCH, MICRO: SAME AS D306 M	EA	REF									4-47	5		
								H	E893	INSULATOR, SWITCH: SAME AS E787	EA	REF									-15	11		
			53109382013					*	E894	NUT, PLAIN, HEXAGON: SAME AS C317 M	EA	REF									4-47	12		
			53050545641					*	E895	SCREW, MACHINE: SAME AS E785	EA	REF									-15	10		
	C	H	531028S5631					*	E896	WASHER, FLAT: 88044; AN960C2	EA	4									4-47	8		
	X2	H	59306707164					H	E897	ACTIVATOR, SWITCH: 91929; JS220	EA	1									-15	9		
	X2	H						H	E898	PIN, PLUNGER: 06809; 52798-1	EA	1									4-47	13		
	A	H						H	E899	SWITCH MOUNT SUB- ASSEMBLY: 06809; 52977G1	EA	1									-15	14		
	X2	H						I	E900	POST, SPRING RETAINER 06809; 52797-1	EA	1									4-47	15		
	C	H						I	E901	PIN GUIDE: 06809; 52804-2	EA	2									-15	15.1		
											EA	2									4-47	15.2		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
X2	H							I	E902	BRACKET, MOUNTING: 06809; 52810-1	EA	1								-15 4-47	15.3	
C	H							G	E903	TERMINAL, INSULATED: 02032; R1980M	EA	2								-15 4-47	29.1	
X2	H							G	E904	SPRING, COMPRESSION: 92830; C300-026-1000S	EA	1								-15 4-47	3	
X2	H							G	E905	PLATE, WEAR: 06809; 52 962-1	EA	1								-15 4-47	16	
X2	H							C	E906	SUPPORT, UPPER: 06809; 56510-1	EA	1								-15 4-47	32	
C	H		53050546674					*	E907	SCREW, MACHINE: 96906; MS51957-49	EA	2								-15 4-47	27	
			53106853744					*	E908	WASHER, FLAT: SAME AS C772AM	EA	REF								-15 4-47	29	
			53109338119					*	E909	WASHER, LOCK: SAME AS A959	EA	REF								-15 4-47	26	
			53106143552					*	E910	WASHER, LOCK: SAME AS E654 M	EA	REF								-15 4-47	29.2	
A	H							G	E911	BLOCK SUBASSEMBLY , MOUNTING: 06809; 56380G1	EA	1								-15 4-47		
C	H		53407118606					H	E912	INSERT, THREADED: 91767; 1185-3CNX190	EA	1								-15 4-47	42	
X2	H							H	E913	BLOCK: 06809; 56380-1	EA	1								-15 4-47	43	
P	H	R	74401578672					G	E914	LIGHT SENSOR ASSEMBLY. 06809; 56648G2	EA	1	*	*	*	*	*	*	3	-15 4-47	33	
P	H		74400192004					H	E915	LIGHT SENSOR: 06809; 56519G2	EA	1	1	2	3	1	2	3	1	-15 4-47	33.1	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
X2	H							H	E916	COVER, APERTURE: 06809; 56645-1	EA	1								-15 4-47	33.2	
			53050545649					G	E917	ASSEMBLY, LED 10 LITE: SAME AS E741	EA	REF								-15 4-47	26.1	
			53106326721					*	E918	SCREW, MACHINE: SAME AS C283 M	EA	REF								-15 4-47	23	
			53109338118					*	E919	WASHER, FLAT: SAME AS B113G	EA	REF								-15 4-47	25	
								*	E920	WASHER, LOCK, SPLIT: SAME AS B113F	EA	REF								-15 4-47	24	
A	H	R						G	E921	SUPPORT ASSEMBLY, LOWER: 06809; 56511G1	EA	1								-15 4-47	36	
C	H							H	E922	PIN, SELF-LOCKING: 83584; D1-8X3-8S	EA	2								-15 4-47	35	
X2	H							H	E923	SUPPORT: 06809; 56511-1	EA	1								-15 4-47	36	
P	H		74400192146					G	E924	FILTER INFRARED: 06809; 59335-1	EA	1	1	2	3	1	2	3	1	-15 4-47	34	
			53050545647					*	E925	SCREW, MACHINE: SAME AS C694AM	EA	REF								-15 4-47	30	
C	H							*	E926	WASHER, FLAT: 06809; 56515-1	EA	2								-15 4-47	31	
M	H							G	E927	WIRING HARNESS: 06809; 56675G1	EA	1								-15 4-47	44.1	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	H		59058454708					H	E928	RESISTOR, TERMINAL: 83186; 31E2	EA	1	1	2	3	1	2	3		3	-15 4-47	44
A	H	R	74408526354					G	E929	TAPE ADJUST SUBASSEMBLY: 06809; 56116G1	EA	1									-15 4-47	
P	H		53550184533					H	E930	KNOB, ADJUST: 06809; 52800-1	EA	1	1	2	3	1	2	3		1	-15 4-47	38
			53057195329					*	E931	SETSCREW: SAME AS E877	EA	REF									-15 4-47	37
X2	H							H	E932	SHAFT, TAPE GUIDE: 06809; 52799-1	EA	1									-15 4-47	40
X2	H							H	E933	GUIDE, TAPE: 06809; 52796-1	EA	1									-15 4-47	41
M	H		59358805441					G	E935	CONNECTOR PLUG, ELECTRICAL: SAME AS E861	EA	REF								4-47	-15 4-47	17
			74400193455					G	E936	CONTACT, ELECTRICAL: SAME AS E862	EA	REF									-15 4-47	22
M	H							G	E937	MARKER, CABLE: 06809; 56626-1	EA	1									-15 4-47	18
A	H	R						F	E938	KEY SUBASSEMBLY, LOCATING: 06809; 56517G1	EA	1									-15 4-36	83.1
			53402825323					G	E939	RING, RETAINING: SAME AS E726	EA	REF									-15 4-36	78

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
X2	H							G	E940	SPRING, COMPRESSION: 70472; C240-026-0440	EA	1									-15 4-36	80
C	H							G	E941	SETSCREW: 96906; MS51963-17	EA	1									-15 4-36	82
C	H							G	E942	PIN, SELF-LOCKING: 83584; D1-BX1-4SS	EA	1									-15 4-36	81
X2	H							G	E943	PIN, SPRING: 06809; 56375-1	EA	1									-15 4-36	79
X2	H							G	E944	KEY, LOCATING: 06809; 56377-1	EA	1									-15 4-36	83
X2	H							F	E945	GIB: 06809; 56681-1	EA	1									-15 4-36	57.2
A	H							F	E946	CLAMP SUBASSEMBLY: 06809; 56369G1	EA	1									-15 4-36	57.1
			53059887603					*	E947	SCREW, MACHINE: SAME AS C772 M	EA	REF									-15 4-36	47
			53109338119					*	E948	WASHER, LOCK: SAME AS A959	EA	REF									-15 4-36	48
			53102089255					G	E949	NUT, HEXAGON, SELF-LOCK: SAME AS E737	EA	REF									-15 4-36	49
			53108663567					G	E950	WASHER, BELLEVILLE: SAME AS E739	EA	REF									-15 4-36	50
			53109338121					*	E951	WASHER, LOCK: SAME AS E524AM	EA	REF									-15 4-36	51

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)					
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20				
P	H		53051373445						G	E952	SCREW, ADJUSTING: 06809; 56010-1	EA		1	2	3	4	2	3	4		5	-15 4-36	52	
X2	H								G	E953	CLIP, SPRING TENSION: 06809; 56255-1	EA		1									5	-15 4-36	54
	H								*	E954	SCREW, DRIVE: 70318; TYPEU2X1-8	EA		1										-15 4-36	53
	H								G	E955	PIN, GROOVED, HEADLESS: 83584; TYPEB1-8X3-4	EA		2										-15 4-36	56
X2	H								G	E956	BLOCK, CLAMP: 06809; 56365G1	EA		1										-15 4-36	57
	H								G	E957	SETSCREW: 06809; 845-101-088	EA		1										-15 4-36	55
X2	H								F	E958	COVER, HAMMER MODIFIED: 06809; 56555-1	EA		1										-15 4-36	61
			53050546650						*	E959	SCREW, MACHINE: SAME AS C942 M	EA		REF										-15 4-36	58
			53105319514						*	E960	WASHER, FLAT: SAME AS C906AM	EA		REF										-15 4-36	60
			53109296395						*	E961	WASHER, LOCK: SAME AS A953	EA		REF										-15 4-36	59
									*	E962	WASHER, LOCK: SAME AS D140AM	EA		REF										-15 4-36	60.1
P	H	T	74400192098						F	E963	HAMMER MODIFIED SUBASSEMBLY:	EA		1	1	2	3	1	2	3		3	-15 4-36	62	
X2	H								F	E964	BRACKET, CONNECTOR: 06809; 52020-1	EA		1										-15 4-36	102

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)					
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20				
			53109349761						*	E965	NUT, PLAIN, HEXAGON: SAME AS A965	EA		REF										-15 4-36	101
									*	E966	SCREW, MACHINE: SAME AS D046 M	EA		REF										-15 4-36	99
			53109296395						*	E967	WASHER, LOCK : SAME AS A9S3	EA		REF										-15 4-36	100
A	H	R							F	E968	MOTOR ASSEMBLY: 06809; 56223G1	EA		1										-15 4-36	16
	H								*	E969	NUT, JAM, HEXAGON: 96906; MS35691-416	EA		4										-15 4-36	14
			53109338121						*	E970	WASHER, LOCK: SAME AS E524AM	EA		REF										-15 4-36	15
	H		53059887614						*	E971	SCREW, MACHINE: 96906; MS16995-50	EA		4										-15 4-36	104
P	H	T	61057893741						G	E972	MOTOR ALTERNATING: 24446; 5KH14 FG106T	EA		1	*	*	*	*	*	*		1	-15 4-40	1,2,3 4,5	
	H		59405780905						G	E973	TERMINAL LUG: 59730; RB1203	EA		11										-15 4-36	16.2
	H		59405571627						G	E974	TERMINAL LUG: 02032; RB863	EA		4										-15 4-36	16.1
	H	R	74401343773						F	E975	TAPE DRIVE ASSEMBLY: 12344; 602040-1	EA		1	1	1	1	1	1	1		3	-15 4-36	42	
X2	H								G	E976	PULLEY DRIVE: 12344; 602071-1	EA		1										-15 4-46	2
			53057195339						*	E977	SETSCREW, SOCKETHEAD: SAME AS E730	EA		REF										-15 4-46	1
P	H		59351378783						G	E978	CONNECTOR RECEPTACLE, ELECTRICAL: 12344; 400498-11	EA		1	*	*	*	1	2	3		3	-15 4-46	46	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	O	U											MODEL								IND CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					1-5	6-10	11-20	1-5	6-10	11-20		
X2	H		53050545648						*	E979	SCREW, MACHINE: SAME AS C691AM	EA	REF									-15 4-46	43							
									*	E980	WASHER, PLAIN: SAME AS C908BM	EA	REF										-15 4-46	44						
										*	E981	NUT, PLAIN, HEXAGON: SAME AS C690AM	EA	REF									-15 4-46	45						
X2	H								G	E982	BRACKET, CONNECTOR: 12344; 602072-1	EA	1									-15 4-46	49							
			53050546650						*	E983	SCREW, MACHINE: SAME AS C942 M	EA	REF									-15 4-46	47							
			53106163555						*	E984	WASHER, LOCK: SAME AS C655 M	EA	REF									-15 4-46	48							
X2	H								G	E985	TERMINAL, INSULATED: 12344; 400S95-01	EA	1									-15 4-46	51							
			53106163555						*	E986	WASHER, LOCK: SAME AS C655 M	EA	REF								-15 4-46	50								
										G	E987	FRAME ASSEMBLY: 12344; 602093-1	EA	1								-15 4-46								
A	H							H	E988	FRAME: 12344; 602092-1	EA	1								-15 4-46	53									
P	H		66058355131						H	E989	BUSHING: 12344; 304211	EA	1	*	*	*	1	1	1	1	-15 4-46	17								
X2	H								H	E990	COLLAR: 12344; 333940	EA	1								-15 4-46	19.1								
X2	H								H	E991	TUBE: 12344; 333930	EA	1								-15 4-46	19								

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	O	U											MODEL								IND CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					1-5	6-10	11-20	1-5	6-10	11-20		
X2	H																					-15 4-46	18							
P	H		31108706931						H	E993	BEARING, BALL: 12344; 396820	EA	4	*	*	*	1	1	1	4	-15 4-46	7								
P	H		53409318695						H	E994	BUSHING: 12344; 229030	EA	1	*	*	*	1	1	1	1	-15 4-46	41								
			53059887602							E995	SCREW, CAP: SAME AS C712 M	EA	REF								-15 4-36	39								
			74400878495						H	E996	BUSHING: SAME AS D213 M	EA	REF								-15 4-46	22								
			74400543422						G	E997	CAP, COLLET, PIN: SAME AS C753 M	EA	REF								-15 4-46	14								
			53159379653						G	E998	COLLET PEN: SAME AS C754 M	EA	REF								-15 4-46	15								
X2	H		53056865973						*	E999	SCREW, SOCKETHEAD: 12344; 304182	EA	1								-15 4-46	38								
C	H								*	F001	WASHER, PLAIN: 12344; 400216-09	EA	2								-15 4-46	40								
X2	H		53057018044						*	F002	SCREW, SOCKETHEAD: 12344; 304182	EA	1								-15 4-46	12								
			53400577778						G	F003	SHIM, 0.003 IN. THICK SAME AS C176HM	EA	REF								-15 4-46	16.1								
			53651786043						G	F004	SHIM, 0.005 IN. THICK: SAME AS C716JM	EA	REF								-15 4-46	16.2								
			53400521080						G	F005	SHIM, 0.010 IN. THICK: SAME AS C716KM	EA	REF								-15 4-46	16.3								
X2	H								G	F006	SHAFT: 12344; 33950	EA	1								-15 4-46	36								

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H		74402296573						G	F007	CAPSTAN ASSEMBLY MOLDED: 12344: 300300	EA	1	*	*	*	1	1	1		1	-15 4-46	16		
X1	H								H	F008	INSERT; 12344: 329900	EA	1								1	-15 4-46	16.4		
X2	H								*	F009	SCREW, SOCKETHEAD; 12344: 4155050	EA	2								1	-15 4-46	10		
P	H		53107019130						*	F010	WASHER, WAVY: 12344: 304282	EA	2	*	*	*	1	1	1		1	-15 4-46	37		
P	H		66059877693						G	F011	SPIDER ASSEMBLY DIFFERENTIAL: 12344: 216830	EA	1	*	*	*	1	1	1		1	-15 4-46	35.1		
X1	H								H	F012	CLAMP, DIFFERENTIAL: 12344: 135550	EA	1									-15 4-46	35		
X1	H								H	F013	GEAR, SPIDER: 12344- 135560	EA	1									-15 4-46	33		
			53107019130						*	F014	WASHER, WAVY: SAME AS F010	EA	REF									-15 4-46	32		
X2	H								H	F015	SHIM, 0.190 ID, .004 THICKNESS: 12344: 225377	EA	1									-15 4-46	32.1		
			53406347444						H	F016	RING, RETAINING: SAME AS D215 M	EA	REF									-15 4-46	31		
			53059590382						*	F107	SCREW, MACHINE: SAME AS C776 M	EA	REF									-15 4-46	34		
P	H		74404070743						G	F108	CLUTCH ASSEMBLY FRICTION: 12344: 389992	EA	2	*	*	*	1	1	1		2	-15 4-46	30		
			53651786044						G	F019	SHIM, 0.003 in. THICK: SAME AS 0727A	EA	REF									-15 4-46	3		

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			53651786045						G	F020	SHIM, 0.005 in. THICK: SAME AS C670 M	EA	REF										-15 4-46	4	
			53651826731						G	F021	SHIM, 0.010 in. THICK: SAME AS C727C	EA	REF										-15 4-46	4.1	
P	H		66059877682						G	F022	GEAR BEVEL CLUSTER: 12344: 135540	EA	1	*	*	*	1	1	1		1	-15 4-46	27		
P	H		66059877683						G	F023	GEAR BEVEL CLUSTER: 12344: 138240	EA	1	*	*	*	1	1	1		1	-15 4-46	24		
C	H								*	F024	SETSCREW: 12344: 415440	EA	1									-15 4-46	23		
P	H		30404890309						G	F025	SHAFT: 12344: 333920	EA	1	*	*	*	1	1	1		1	-15 4-46	28		
P	H		74404070744						G	F026	SHAFT AND GEAR ASSEMBLY: 12344: 333910	EA	1	*	*	*	1	1	1		1	-15 4-46			
X1	H								H	F027	SHAFT: 12344: 333900	EA	1									-15 4-46	5		
X1	H								H	F028	BEVEL GEAR MOLDED: 12344: 21584 2	EA										-15 4-46	6		
A	H								G	F029	MAGNETIC ACTUATOR ASSEMBLY, REVERSE L 2 12344: 356270	EA	2									-15 4-46	13		
P	H		30404778279						H	F030	LIMIT, ESCAPEMENT: 12344: 378510	EA	2	*	*	*	1	1	1		1	-15 4-46	13.7		
P	H		59500522570						H	F031	COIL ASSEMBLY: 12344: 220535	EA	2	*	*	*	1	1	1		3	-15 4-46	13.6		
P	H		53601826808						H	F032	SPRING: 12344: 356280	EA	2	*	*	*	1	1	1		1	-15 4-46	13.5		

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)									
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)							
S	M	R											MODEL								IND	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6												CD	1-5	6-10	11-20	1-5	6-10	11-20
			53056019080							*	F032A	SELF LOCKING: SAME AS C701	EA														-15 4-46	13.10	
										H	F032B	SCREW, TENSION ADJUSTING: SAME AS C702	EA														-15 4-46	13.11	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)									
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)							
S	M	R											MODEL								IND	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6												CD	1-5	6-10	11-20	1-5	6-10	11-20
			744097162 01							H	F033	SHIM ANTI RESIDUAL: .004 THICKNESS: SAME AS C703 M	EA														-15 4-36	13.4	
			74400878439							H	F034	ARMATURE ASSEMBLY: SAME AS C697 M	EA														-15 4-36	13.2	
			74400878465							H	F035	BRACKET ACTUATOR LATCH: SAME AS C707 M	EA													-15 4-36	13.1		
			74400878464							H	F036	FRAME COIL: SAME AS C708 M	EA													-15 4-46	13.3		
X2	H									*	F037	SCREW, MACHINE: 12344; 4157500	EA		6											-15 4-46	13.8		
X2	H									*	F038	WASHER, FLAT: 12344; 4176150	EA		2											-15 4-46	13.9		
X2	H									G	F039	PLATE CAPSTAN ADJUST ASSEMBLY: 12344; 333960	EA		1											-15 4-46	42		
										G	F040	MAGNETIC ACTUATOR ASSEMBLY, FORWARD L 1 SAME AS F029	EA													-15 4-46	11		
			30404778279							H	F041	LIMIT, ESCAPEMENT: SAME AS P030	EA													-15 4-16	13.7		
			59500522570							H	F042	COIL ASSEMBLY: SAME AS P031	EA													-15 4-46	13.6		
			53601826808							H	F043	SPRING: SAME AS P032	EA													-15 4-46	13.5		
			74409716201							H	F044	SHIM, ANTI RESIDUAL: SAME AS C703 M	EA													-15 4-46	13.4		
			74400878439							H	F045	ARMATURE, ASSEMBLY: SAME AS C697 M	EA													-15 4-46	13.2		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)											
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)									
S	O	U											MODEL								IND	CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6														1-5	6-10	11-20	1-5	6-10	11-20
C	H	R	74400878465							H	F046	BRACKET ACTUATOR LATCH: SAME AS C70 7 M	EA	REF									-15 4-46	13.1							
			74400878464							H	F047	FRAME COIL: SAME AS C708 M	EA	REF									-15 4-46	13.3							
										*	F048	SCREW, MACHINE: SAME AS F037	EA	REF									-15 4-46	13.8							
										*	F049	WASHER, FLAT: SAME AS F038	EA	REF									-15 4-46	13.9							
										G	F050	WASHER, THRUST: 12344; 400009-05	EA	1									-15 4-46	29							
			53106853744							*	F051	WASHER, FLAT: SAME AS C772AM	EA	REF									-15 4-36	41							
			53109338119							*	F052	WASHER, LOCK: SAME AS A959	EA	REF									-15 4-36	40							
X2	H									F	F053	DECAL, BELT TENSION: 06809; 56979-1	EA	1									-15 4-36	2.1							
A	H	R								F	F054	PANEL ASSEMBLY: 06809;- 56553G1	EA	1									-15 4-36	103.1							
X2	H		53408000936							C	F055	INSERT, THREADED: 91767; 1185-2CNX164	EA	8									-15 4-36	106							
C	H		53406821520							G	F056	INSERT, THREADED: 91767; 1185-06CNX207	EA	5									-15 4-36	105							
X2	H									G	F057	PANEL, BLANK: 06809; 56554-1	EA	1									-15 4-36	103							
M	H									F	F058	CABLE ASSEMBLY: 06809 40639G1	EA	1									-15 4-36	63							
P	H		59355783662							G	F059	CONNECTOR, PLUG, ELECTRICAL: 71468; DE9P	EA	1	1	2	3	1	2	3		3	-15 4-45	7							

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)											
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)									
S	O	U											MODEL								IND	CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6														1-5	6-10	11-20	1-5	6-10	11-20
P	H		59358138579							G	F060	CONNECTOR, PLUG, ELECTRICAL: 81312; JF2S	EA	1	1	2	3	1	2	3		3	-15 4-45	4							
M	H									G	F061	MARKER, CABLE: 06809; 56626-7	EA	1									-15 4-45	3							
M	H									G	F062	MARKER, CABLE: 06809; 56626-3	EA	1									4-45	2							
			53050545647							*	F063	SCREW, MACHINE SAME AS C694AM	EA	REF									-15 4-45	5							
			59350591064							C	F064	SHELL, PLUG: SAME AS E860	EA	REF									-15 4-45	6							
			59405571627							C	F065	TERMINAL LUG: SAME AS E974	EA	REF									-15 4-45	1							
X2	H									C	F066	RETAINER, CONNECTOR: 06809; 56514-1	EA	1									-15 4-36	46							
			53050546655								F067	SCREW, MACHINE: SAME AS C324 M	EA	REF									-15 4-36	43							
			53105319514								F068	WASHER, FLAT: SAME AS C906AM	EA	REF									-15 4-36	45							
			53109338119							*	F069	WASHER, LOCK: SAME AS A959	EA	REF									-15 4-36	44							
			53109349748							*	F070	NUT, PLAIN, HEXAGON: SAME AS B113E	EA	REF									-15 4-36	72							
			53109338118							*	F071	WASHER, LOCK, SPLIT: SAME AS B113F	EA	REF									-15 4-36	71							
			53106326721							*	F072	WASHER, FLAT: SAME AS B113G	EA	REF									-15 4-36	70							
			53057637822							*	F073	SCREW, MACHINE: SAME AS C767 M	EA	REF									-15 4-36	69							

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H	T	74408526351						E	F074	CIRCUIT CARD ASSEMBLY: 06809; 44303G2	EA	1	1	2	3	1	2	3		3	-15 4-35	19		
P	D		59619881191						F	F075	TRANSISTOR: 01295; 2N797	EA	2								10	-15 5-25A	Q1		
			59619881191						F	F076	TRANSISTOR: SAME AS F075	EA	REF									-15 5-25A	Q4		
P	D		59619014862						F	F077	TRANSISTOR: 07263; 2N3638	EA	35								175	-15 5-25A	Q2		
			59619014862						F	F078	TRANSISTOR: SAME AS F077	EA	REF									-15 5-25A	Q3		
			59619014862						F	F079	TRANSISTOR: SAME AS F077	EA	REF									-15 5-25A	Q5		
			59619014862						F	F080	TRANSISTOR: SAME AS F077	EA	REF									-15 5-25A	Q6		
X2	D		59709898333						F	F081	INSULATOR, DISK: 07047; A10042	EA	6									-15 5-25A	H1		
X2	D		59700702910						F	F082	INSULATOR, DISK: 08289; TP501	EA	76									-15 5-25A	H2		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	D		59619178504						F	F083	SEMI-CONDUCTOR, DIODE: 03508; SSD762	EA	33									99	-15 5-25A	CR1	
			59619178504						P	F084	SEMI-CONDUCTOR, DIODE: SAME AS F083	EA	REF									-15 5-25A	CR2		
			59619178504						F	F085	SEMI-CONDUCTOR, DIODE: SAME AS F083	EA	REF									-15 5-25A	CR3		
			59619178504						F	F086	SEMI-CONDUCTOR, DIODE: SAME AS F083	EA	REF									-15 5-25A	CR4		
			59619178504						F	F087	SEMI-CONDUCTOR, DIODE: SAME AS F083	EA	REF									-15 5-25A	CR5		
			59619178504						F	F088	SEMI-CONDUCTOR, DIODE: SAME AS F083	EA	REF									-15 5-25A	CR6		
P	D		59057868306						F	F089	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF3R9J	EA	8									24	-15 5-25A	R1	
			59057060306						F	F090	RESISTOR, FIXED, COMPOSITION: SAME AS F089	EA	REF									-15 5-25A	R2		
P	D		59057712295						F	F091	RESISTOR, FIXED, FI LM: 16299; C20-272G	EA	4									12	-15 5-25A	R3	
			59057712295						F	F092	RESISTOR, FIXED, FILM: SAME AS F091	EA	REF									-15 5-25A	R6		
			59057712295						F	F093	RESISTOR, FIXED, FILM: SAME AS F091	EA	REF									-15 5-25A	R8		
			59057712295						F	F094	RESISTOR, FIXED, FILM: SAME AS F091	EA	REF									-15 5-25A	R10		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		5905726188 6					F	F095	RESISTOR, FIXED, FILM 16299: C20-562G	EA	55						165	-15 5-25A	R4		
			59057261886					F	F096	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF							-15 5-25A	R9		
P	D		59057279750					F	F097	RESISTOR, FIXED, FILM 16299; C20-122G	EA	2						6	-15 5-25A	R6		
			59057279750					F	F098	RESISTOR, FIXED, FILM: SAME AS F097	EA	REF							-15 5-25A	R11		
P	D		59056797258					F	F099	RESISTOR, FIXED, FILM: 16299: C20-911G	EA	2						6	-15 5-25A	R7		
			59056797258					F	F100	RESISTOR, FIXED, FILM: SAME AS F099	EA	REF							-15 5-25A	R12		
P	D		59108116878					F	F101	CAPACITOR, FIXED, ELECTROLYTIC: 56280: 40D106G012BB0	EA	3						9	-15 5-25A	C1		
			59108116878					F	F102	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS F101	EA	REF							-15 5-25A	C2		
C	D		59409901658					F	F103	TERMINAL, STUD: 96906; MS17122-16	EA	47							-15 5-25A	TP1		
			59409901658					F	F104	TERMINAL, STUD: SAME AS F103	EA	REF							-15 5-25A	TP2		
			59409901658					F	F105	TERMINAL, STUD: SAME AS F103	EA	REF							-15 5-25A	TP3		
			59409901658					F	F106	TERMINAL, STUD: SAME AS F103	EA	REF							-15 5-25A	TP4		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
C	D		53408255334					F	F107	CLAMP, LOOP: 81074; NPC7	EA	10								-15 5-25A	H3	
C	D							*	F108	RIVET, COMPOSITION MALE: 06809; 95641	EA	9								-15 5-25A		
C	D							*	F109	RIVET, COMPOSITION: FEMALE: 06809; 95642	EA	9								-15 5-25A		
X1	D							F	F110	PRINTED CIRCUIT BOARD: 06809; 44403G1	EA	1								-15 5-25A		
P	H	T	74408526353					F	F111	CIRCUIT CARD ASSEMBLY: 06809; 44193G2	EA	2	1	2	3	1	2	3	6	-15 4-35	20	
P	D		59617525229					F	F112	TRANSISTOR: 81349: 2N404	EA	39								-15 5-20	Q3	
			59617525229					F	F113	TRANSISTOR: SAME AS F112	EA	REF								-15 5-20	Q6	
			59617525229					F	F114	TRANSISTOR: SAME AS F112	EA	REF								-15 5-20	Q9	
			59617525229					F	F115	TRANSISTOR: SAME AS F112	EA	REF								-15 5-20	Q12	
			56919014862					F	F116	TRANSISTOR: SAME AS F077	EA	REF								-15 5-20	Q1	
			56919014862					F	F117	TRANSISTOR: SAME AS F077	EA	REF								-15 5-20	Q2	
			56919014862					F	F118	TRANSISTOR: SAME AS F077	EA	REF								-15 5-20	Q4	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
P	D		59619014862						F	F119	TRANSISTOR: SAME AS F077	EA	REF									-15 5-20	Q5
			59619014862						F	F120	TRANSISTOR: SAME AS F077	EA	REF									-15 5-20	Q7
			59619014862						F	F121	TRANSISTOR: SAME AS F077	EA	REF									-15 5-20	Q8
			59619014862						F	F122	TRANSISTOR: SAME AS F077	EA	REF									-15 5-20	Q10
			59619014862						F	F123	TRANSISTOR: SAME AS F077	EA	REF									-15 5-20	Q11
			59619027969						F	F124	TRANSISTOR: 81349; 2N3012	EA	4							20		-15 5-20	Q13
			59700702910						F	F125	INSULATOR, DISK: SAME AS F082	EA	REF									-15 5-20	H2
P	D		59709898333						F	F126	INSULATOR, DISK: SAME AS F081	EA	REF									-15 5-20	H1
			59616150095						F	F127	SEMI-CONDUCTOR DEVICE, DIODE: 81349; 1N276	EA	106							318		-15 5-20	CR1
			59616150095						F	F128	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-20	CR2
			5961615009 5					F	F129	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-20	CR3	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			59616150095						F	F130	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-20	CR4
			59616150095						F	F131	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-20	CR5
			59616150095						F	F132	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-20	CR6
			59616150095						F	F133	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-20	CR7
			59616150095						F	F134	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-20	CR9
			59616150095						F	F135	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-20	CR11
			59616150095						F	F136	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-20	CR12
			59616150095						F	F137	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-20	CR13
			59616150095						F	F138	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-20	CR14
			59616150095						F	F139	SEMI-CONDUCTOR DEVICE, DIODE:	EA	REF									-15 5-20	CR15

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
			59616150095					F	F140	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-20	CR17	
			59619178504					F	F141	SEMI-CONDUCTOR DIODE: SAME AS F083	EA	REF								-15 5-20	CR8	
			59619178504					F	F142	SEMI-CONDUCTOR DIODE: SAME AS F083	EA	REF								-15 5-20	CR10	
			59619178504					F	F143	SEMI-CONDUCTOR DIODE: SAME AS F083	EA	REF								-15 5-20	CR16	
			59619178504					F	F144	SEMI-CONDUCTOR DIODE: SAME AS F083	EA	REF								-15 5-20	CR18	
			59619178504					F	F145	SEMI-CONDUCTOR DIODE: SAME AS F083	EA	REF								-15 5-20	CR19	
			59619178504					F	F146	SEMI-CONDUCTOR DIODE: SAME AS F083	EA	REF								-15 5-20	CR20	
			59057868306					F	F147	RESISTOR, FIXED, COMPOSITION: SAME AS F089	EA	REF								-15 5-20	R1	
			59057868306					F	F148	RESISTOR, FIXED, COMPOSITION: SAME AS F089	EA	REF								-15 5-20	R2	
P	D		59057279774					F	F149	RESISTOR, FIXED, FILM: 07115; C20-473G	EA	15						45		-15 5-20	R3	
			59057275774					F	F150	RESISTOR, FIXED, FILM: SAME AS F149	EA	REF								-15 5-20	R13	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
			59057279774					F	F151	RESISTOR, FIXED, FILM: SAME AS F149	EA	REF								-15 5-20	R21	
			59057279774					F	F152	RESISTOR, FIXED, FILM: SAME AS F149	EA	REF								-15 5-20	R31	
P	D		59058841608					F	F153	RESISTOR, FIXED, FILM: 07115, C20-682G	EA	15						45		-15 5-20	R4	
			59056841608					F	F154	RESISTOR, FIXED, FILM: SAME AS F153	EA	REF								-15 5-20	R14	
			59058841608					F	F155	RESISTOR, FIXED, FILM: SAME AS F153	EA	REF								-15 5-20	R22	
			59058841608					F	F156	RESISTOR, FIXED, FILM: SAME AS P153	EA	REF								-15 5-20	R32	
			59057261886					F	F157	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF								-15 5-20	R5	
			59057261886					F	F158	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF								-15 5-20	R8	
			59057261886					F	F159	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF								-15 5-20	R9	
			59057261886					F	F160	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF								-15 5-20	R10	
			59057261886					F	F161	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF								-15 5-20	R15	
			59057261886					F	F162	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF								-15 5-20	R18	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
P	D		59057261886						F	F163	RESISTOR, FIXED, FILM: SAME ; 06 F095	EA	REF							78	-15 5-20	R23
			59057261886						F	F164	RESISTOR, FIXED, FILM SAME AS F095	EA	REF								-15 5-20	R26
			59057261886						F	F165	RESISTOR, FIXED, FILM SAME AS F095	EA	REF								-15 5-20	R27
			59057261886						F	F166	RESISTOR, FIXED, FILM SAME AS F095	EA	REF								-15 5-20	R28
			59057261886						F	F167	RESISTOR, FIXED, FILM SAME AS F095	EA	REF								-15 5-20	R33
			59057261886						F	F168	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF								-15 5-20	R36
			59057261886						F	F169	RESISTOR, FIXED, FILM SAME AS F095	EA	REF								-15 5-20	R40
			59058504536						F	F170	RESISTOR, FIXED, FILM 07115; C20-242G	EA	26								-15 5-20	R6
			59058304536						F	F171	RESISTOR, FIXED, FILM SAME AS F170	EA	REF								-15 5-20	R16
			59058304536						F	F172	RESISTOR, FIXED, FILM SAME AS F170	EA	REF								-15 5-20	R24
P	D		59058304536						F	F173	RESISTOR, FIXED, FILM SAME AS F170	EA	REF								-15 5-20	R34
			59057261867						F	F174	RESISTOR, FIXED, FILM 07115; C20-222G	EA	35							105	-15 5-20	R7

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
P	D		59057261867						F	F175	RESISTOR, FIXED, FILM SAME AS F174	EA	REF							51	-15 5-20	R17
			59057261867						F	F176	RESISTOR, FIXED, FILM SAME AS F174	EA	REF								-15 5-20	R25
			59057261867						F	F177	RESISTOR, FIXED, FILM SAME AS F174	EA	REF								-15 5-20	R35
			59057261867						F	F178	RESISTOR, FIXED, FILM SAME AS F174	EA	REF								-15 5-20	R39
			59059047081						F	P179	RESISTOR, FIXED, FILM 07115; C20-102G	EA	17								-15 5-20	R11
			59059047081						F	F180	RESISTOR, FIXED, FILM SAME AS F179	EA	REF								-15 5-20	R19
			59059047081						F	F181	RESISTOR, FIXED, FILM SAME AS F179	EA	REF								-15 5-20	R29
			59059047081						F	F182	RESISTOR, FIXED, FILM SAME AS F179	EA	REF								-15 5-20	R37
			5905729460						F	F183	RESISTOR, FIXED, FILM 07115; C20-153G	EA	30							90	-15 5-20	R12
			59057729460						F	F184	RESISTOR, FIXED, FILM SAME AS F183	EA	REF								-15 5-20	R20
P	D		59057729460						F	F185	RESISTOR, FIXED, FILM SAME AS F183	EA	REF								-15 5-20	R30
			59057729460						F	F186	RESISTOR, FIXED, FILM SAME AS F183	EA	REF								-15 5-20	R28

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		59107607695					F	F187	CAPACITOR, FIXED, ELECTROLYTIC: 14655; NLW10-12	EA	6								-15 5-20	C2	
P	D		59107776920					F	F188	CAPACITOR, FIXED, MICA. 81349; CMO6F561G03	EA	30	90							-15 5-20	C3	
			59107776920					F	F189	CAPACITOR, FIXED, MICA. SAME AS F188	EA	REF								-15 5-20	C4	
			59107776920					F	F190	CAPACITOR, FIXED, MICA. SAME AS F188	EA	REF								-15 5-20	C5	
			59107776920					F	F191	CAPACITOR, FIXED, MICA. SAME AS F188	EA	REF								-15 5-20	C6	
P	D		59108271218					F	F192	CAPACITOR, FIXED, MICA. ELECTROLYTIC: 56289; TE1204	EA	4						12		-15 5-20	C1	
			59409901658					F	F193	TERMINAL, STUD: SAME AS F103	EA	REF								-15 5-20	TP1	
			59409901658					F	F194	TERMINAL, STUD: SAME AS F103	EA	REF								-15 5-20	TP2	
			59409901658					F	F195	TERMINAL, STUD: SAME AS F103	EA	REF								-15 5-20	TP3	
			59409901658					F	F196	TERMINAL, STUD: SAME AS F103	EA	REF								-15 5-20	TP4	
			59409901658					F	F197	TERMINAL, STUD: SAME AS F103	EA	REF								-15 5-20	TP5	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53408255334					F	F198	LAMP, LOOP: SAME AS F107	EA	REF								-15 5-20	H3	
								*	F199	RIVET, COMPOSITION MALE: SAME AS F108	EA	REF								-15 5-20		
								*	P200	RIVET, COMPOSITION FEMALE: SAME AS P109	EA	REF								-15 5-20		
								F	F201	PRINTED CIRCUIT BOARD 06809- 44293G1	EA	2								-15 5-20		
			74408526353					E	F202	CIRCUIT CARD ASSEMBLY: SAME AS F112	EA	REF								-15 4-35	20	
			59617525229					F	F203	TRANSISTOR: SAME AS F112	EA	REF								-15 5-20	Q1	
			59617525229					F	F204	TRANSISTOR: SAME AS F112	EA	REF								-15 5-20	Q6	
			59617525229					F	F205	TRANSISTOR: SAME AS F112	EA	REF								-15 5-20	Q9	
			59517525229					F	F206	TRANSISTOR: SAME AS F112	EA	REF								-15 5-20	Q12	
			59517525229					F	F207	TRANSISTOR: SAME AS F112	EA	REF								-15 5-20	Q1	
			59619014862					F	F208	TRANSISTOR: SAME AS F077	EA	REF								-15 5-20	Q2	
			59619014862					F	F209	TRANSISTOR: SAME AS F077	EA	REF								-15 5-20	Q4	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD																
			59619014862					F	F210	TRANSISTOR: SAME AS F077	EA	REF								-15 5-20	Q5	
			59619014862					F	F211	TRANSISTOR: SAME AS F077	EA	REF								-15 5-20	Q7	
			59619014862					F	F212	TRANSISTOR: SAME AS F077	EA	REF								-15 5-20	Q8	
			59619014862					F	F213	TRANSISTOR: SAME AS F077	EA	REF								-15 5-20	Q10	
			59619014862					F	F214	TRANSISTOR: SAME AS F077	EA	REF								-15 5-20	Q11	
			59619027969					F	F215	TRANSISTOR: SAME AS F124	EA	REF								-15 5-20	Q13	
			59700702910					F	F216	INSULATOR, DISK: SAME AS F082	EA	REF								-15 5-20	H2	
			59709898333					F	F217	TRANSISTOR: SAME AS F081	EA	REF								-15 5-20	H1	
			59616150095					F	F218	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-20	CR1	
			59616150095					F	F219	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-20	CR2	
			59616150095					F	F220	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-20	CR3	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD																
			596161 50095					F	F221	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-20	CR4	
			59616150095					F	F222	SEMI-CONDUCTOR DEVICE , DIODE: SAME AS F127	EA	REF								-15 5-20	CR5	
			59616150095					F	F223	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-20	CR6	
			59616150095					F	F224	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-20	CR7	
			59616150095					F	F225	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-20	CR9	
			59616150095					F	F226	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-20	CR11	
			59616150095					F	F227	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-20	CR12	
			59616150095					F	F228	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-20	CR13	
			59616150095					F	F229	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-20	CR14	
			59616150095					F	F230	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-20	CR15	

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(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS	
			(2) FEDERAL STOCK NUMBER	(3)						DESCRIPTION	(A) 1-5	(B) 6-10				(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN				
				MODEL																				IND CD	
				1	2	3	4	5	6																
			59616150095						F	F231	SEMI-CONDUCTOR DEVICE , DIODE: SAME AS F127	EA		REF										-15 5-20	CR17
			59619178504						F	F232	SEMI-CONDUCTOR DIODE: SAME AS F083	EA		REF										-15 5-20	CR8
			59619178504						F	F233	SEMI-CONDUCTOR DIODE : SAME AS F083	EA		REF										-15 5-20	CR10
			59619178504						F	F234	SEMI-CONDUCTOR DIODE: SAME AS F083	EA		REF										-15 5-20	CR16
			59619178504						F	F235	SEMI-CONDUCTOR DIODE: SAME AS F083	EA		REF										-15 5-20	CR18
			59619178504						F	F236	SEMI-CONDUCTOR DIODE: SAME AS F083	EA		REF										-15 5-20	CR19
			59619178504						F	F237	SEMI-CONDUCTOR DIODE: SAME AS F083	EA		REF										-15 5-20	CR20
			59057868306						F	F238	RESISTOR, FIXED , COMPOSITION: SAME AS F089	EA		REF										-15 5-20	R1
			59057868306						F	F239	RESISTOR, FIXED, COMPOSITION: SAME AS F089	EA		REF										-15 5-20	R2
			59057279774						F	F240	RESISTOR, FIXED, FILM: SAME AS F149	EA		REF										-15 5-20	R3
			59057279774						F	F241	RESISTOR, FIXED, FILM: SAME AS F149	EA		REF										-15 5-20	R13

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(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAYS SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS	
			(2) FEDERAL STOCK NUMBER	(3)						DESCRIPTION	(A) 1-5	(B) 6-10				(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN				
				MODEL																				IND CD	
				1	2	3	4	5	6																
			59057279774						F	F242	RESISTOR, FIXED, FILM: SAME AS F149	EA		REF										-15 5-20	R21
			59057279774						F	F243	RESISTOR, FIXED, FILM: SAME AS F149	EA		REF										-15 5-20	R31
			59058841608						F	F244	RESISTOR, FIXED, FILM: SAME AS F153	EA		REF										-15 5-20	R4
			59058841608						F	F245	RESISTOR, FIXED, FILM: SAME AS F153	EA		REF										-15 5-20	R14
			59058841608						F	F246	RESISTOR, FIXED, FILM: SAME AS F153	EA		REF										-15 5-20	R22
			59058841608						F	F247	RESISTOR, FIXED, FILM: SAME AS F153	EA		REF										-15 5-20	R32
			59057261886						F	F248	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF										-15 5-20	R5
			59057261886						F	F249	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF										-15 5-20	R8
			59057261886						F	F250	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF										-15 5-20	R9
			59057261886						F	F251	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF										-15 5-20	R10
			59057261886						F	F252	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF										-15 5-20	R15
			59057261886						F	F253	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF										-15 5-20	R23

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N
				(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20													
				MODEL		IND C D	DESCRIPTION															
1	2	3	4	5	6																	
			59057261886					F	F254	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF							-15 5-20	R26		
			59057261886					F	F255	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF							-15 5-20	R27		
			59057261886					F	F256	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF							-15 5-20	R28		
			59057261886					F	F257	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF							-15 5-20	R33		
			59057261886					F	F258	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF							-15 5-20	R36		
			59057261886					F	F259	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF							-15 5-20	R40		
			59058304536					F	F260	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF							-15 5-20	R6		
			59058304536					F	F261	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF							-15 5-20	R16		
			59058304536					F	F262	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF							-15 5-20	R24		
			59058304536					F	F263	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF							-15 5-20	R34		
			59057261867					F	F264	RESISTOR, FIXED, FILM: SAME AS F174	EA	REF							-15 5-20	R7		
			59057261867					F	F265	RESISTOR, FIXED, FILM: SAME AS F174	EA	REF							-15 5-20	R17		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N
				(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20													
				MODEL		IND C D	DESCRIPTION															
1	2	3	4	5	6																	
			59057261867					F	F266	RESISTOR, FIXED, FILM: SAME AS F174	EA	REF							-15 5-20	R25		
			59057261886					F	F267	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF							-15 5-20	R18		
			59057261867					F	F268	RESISTOR, FIXED, FILM: SAME AS F174	EA	REF							-15 5-20	R35		
			59057261867					F	F269	RESISTOR, FIXED, FILM: SAME AS F174	EA	REF							-15 5-20	R39		
			59059047081					F	F270	RESISTOR, FIXED, FILM: SAME AS F179	EA	REF							-15 5-20	R11		
			59619014862					F	F271	TRANSISTOR: SAME AS F077	EA	REF							-15 5-20	Q10		
			59059047081					F	F272	RESISTOR, FIXED, FILM: SAME AS F179	EA	REF							-15 5-20	R19		
			59059047081					F	F273	RESISTOR, FIXED, FILM: SAME AS F179	EA	REF							-15 5-20	R29		
			59059047081					F	F274	RESISTOR, FIXED, FILM: SAME AS F179	EA	REF							-15 5-20	R37		
			59057729460					F	F275	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF							-15 5-20	R12		
			59057729460					F	F276	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF							-15 5-20	R20		
			59057729460					F	F277	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF							-15 5-20	R30		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD																
			59057729460					F	F278	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF								-15 5-20	38	
			59107607695					F	F279	CAPACITOR, FIX ED, ELECTROLYTIC: SAME AS F187	EA	REF								-15 5-20	C2	
			59107776920					F	F280	CAPACITOR, FIXED, MICA: SAME AS F188	EA	REF								-15 5-20	C3	
			59107776920					F	F281	CAPACITOR, FIXED, MICA: SAME AS F188	EA	REF								-15 5-20	C4	
			59107776920					F	F282	CAPACITOR, FIXED, MICA: SAME AS F188	EA	REF								-15 5-20	C5	
			59107776920					F	F283	CAPACITOR, FIXED, MICA: SAME AS F188	EA	REF								-15 5-20	C6	
			59108271218					F	F284	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS F192	EA	REF								-15 5-20	C1	
			59409901658					F	F285	TERMINAL, STUD: SAME AS F103	EA	REF								-15 5-20	TP1	
			59409901658					F	F286	TERMINAL, STUD: SAME AS F103	EA	REF								-15 5-20	TP2	
			59409900658					F	F287	TERMINAL, STUD: SAME AS F103	EA	REF								-15 5-20	TP3	
			59409901658					F	F288	TERMINAL, STUD: SAME AS F103	EA	REF								-15 5-20	TP4	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD																
			59409901658					F	F289	TERMINAL STUD: SAME AS F103	EA	REF								-15 5-20	TP5	
			59408255334					F	F290	CLAMP, LOOP: SAME AS F107	EA	REF								-15 5-20	H3	
								*	F291	RIVET, COMPOSITION MALE: SAME AS F108	EA	REF								-15 -20		
								*	F292	RIVET, COMPOSITION FEMALE: SAME AS F109	EA	REF								-15 5-20		
								F	F293	PRINTED, CIRCUIT BOARD, SAME AS F201	EA	REF								-15 5-20		
P	H	T	74408351300					F	F294	CIRCUIT CARD ASSEMBLY: 06809; 44306G2	EA	1	1	2	3	1	2	3	3	-15 4-35	21	
			59619014862					F	P295	TRANSISTOR: SAME AS F077	EA	REF								-15 5-25B	Q1	
			59619014862					F	F296	TRANSISTOR: SAME AS F077	EA	REF								-15 5-25B	Q2	
			59619014862					F	F297	TRANSISTOR: SAME AS F077	EA	REF								-15 5-25B	Q4	
			59619014862					F	F298	TRANSISTOR: SAME AS F077	EA	REF								-15 5-25B	Q5	
			59619014862					F	F299	TRANSISTOR: SAME AS F077	EA	REF								-15 5-25B	Q7	
			59619014862					F	F300	TRANSISTOR: SAME AS F077	EA	REF								-15 5-25B	Q8	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					1-5	6-10	11-20	1-5	6-10	11-20		
X2	D		59619014862						F	F301	TRANSISTOR: SAME AS F077	EA	REF									-15 5-25B	Q11							
			59619014862						F	F302	TRANSISTOR: SAME AS F077	EA	REF									-15 5-25B	Q10							
			59617525229						F	F303	TRANSISTOR: SAME AS F112	EA	REF									-15 5-25B	Q3							
			59617525229						F	F304	TRANSISTOR: SAME AS F112	EA	REF									-15 5-25B	Q6							
			59617525229						F	F305	TRANSISTOR: SAME AS F112	EA	REF									-15 5-25B	Q9							
			59617525229						F	F306	TRANSISTOR: SAME AS F112	EA	REF									-15 5-25B	Q12							
			59617525229						F	F307	TRANSISTOR: SAME AS F112	EA	REF									-15 5-25B	Q14							
			59619027969						F	F308	TRANSISTOR: SAME AS F124	EA	REF									-15 5-25B	Q13							
			59709898333						F	F309	INSULATOR, DISK: SAME AS F081	EA	REF									-15 5-25B	H1							
									F	F310	INSULATOR, DISK: 07047; 10162DAP	EA		13									-15 5-25B	H2						
									F	F311	RESISTOR, FIXED, COMPOSITION: SAME AS F089	EA	REF									-15 5-25B	R1							
									F	F312	RESISTOR, FIXED, COMPOSITION: SAME AS F089	EA	REF									-15 5-25B	R2							

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)										
(A)	(B)	(C)	(2)	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)								
S	M	R											MODEL								IND CD	DESCRIPTION	(A)	(B)	(C)	(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
													1	2	3	4	5	6					1-5	6-10	11-20	1-5	6-10	11-20		
			59057279774						F	F313	RESISTOR, FIXED, FILM: SAME AS F149	EA	REF									-15 5-25B	R3							
			59057279774						F	F314	RESISTOR, FIXED, FILM: SAME AS F149	EA	REF									-15 5-25B	R13							
			59057279774						F	F315	RESISTOR, FIXED, FILM: SAME AS F149	EA	REF									-15 5-25B	R21							
			59057279774						F	F316	RESISTOR, FIXED, FILM: SAME AS F149	EA	REF									-15 5-25B	R31							
			59058841608						F	F317	RESISTOR, FIXED, FILM: SAME AS F153	EA	REF									-15 5-25B	R4							
			59058841608						F	F318	RESISTOR, FIXED, FILM: SAME AS F153	EA	REF									-15 5-25B	R14							
			59058841608						F	F319	RESISTOR, FIXED, FILM: SAME AS F153	EA	REF									-15 5-25B	R22							
			59058841608						F	F320	RESISTOR, FIXED, FILM: SAME AS F153	EA	REF									-15 5-25B	R32							
			59057261886						F	F321	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF									-15 5-25B	R5							
			59057261886						F	F322	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF									-15 5-25B	R8							
			59057261886						F	F323	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF									-15 5-25B	R9							
			59057261886						F	F324	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF									-15 5-25B	R10							

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			59057261886					F	F325	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF									-15 5-25B	R15
			59057261886					F	F326	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF									-15 5-25B	R18
			59057261886					F	F327	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF									-15 5-25B	R23
			59057261886					F	F328	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF									-15 5-25B	R26
			59057261886					F	F329	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF									-15 5-25B	R27
			59057261886					F	F330	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF									-15 5-25B	R28
			59057261886					F	F331	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF									-15 5-25B	R33
			59057261886					F	F332	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF									-15 5-25B	R36
			59057261886					F	F333	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF									-15 5-25B	R40
			59057261886					F	F334	RESISTOR, FIXED, FILM: SAME AS F095	EA		REF									-15 5-25B	R44
			59058304536					F	F335	RESISTOR, FIXED, FILM: SAME AS F170	EA		REF									-15 5-25B	R6
			59058304536					F	F336	RESISTOR, FIXED, FILM: SAME AS F170	EA		REF									-15 5-25B	R15

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			59058304536					F	F337	RESISTOR, FIXED, FILM: SAME AS F170	EA		REF									-15 5-25B	R2
			59058304536					F	F338	RESISTOR, FIXED, FILM: SAME AS F170	EA		REF									-15 5-25B	R34
			59058304536					F	F339	RESISTOR, FIXED, FILM: SAME AS F170	EA		REF									-15 5-25B	R41
			59057261867					F	F340	RESISTOR, FIXED, FILM: SAME AS F174	EA		REF									-15 5-25B	R7
			59057261867					F	F341	RESISTOR, FIXED, FILM: SAME AS F174	EA		REF									-15 5-25B	R16
			59057261867					F	F342	RESISTOR, FIXED, FILM: SAME AS F174	EA		REF									-15 5-25B	R25
			59057261867					F	F343	RESISTOR, FIXED, FILM: SAME AS F174	EA		REF									-15 5-25B	R35
			59057261867					F	F344	RESISTOR, FIXED, FILM: SAME AS F174	EA		REF									-15 5-25B	R39
			59057261867					F	F345	RESISTOR, FIXED, FILM: SAME AS F174	EA		REF									-15 5-25B	R42
			59057729460					F	F346	RESISTOR, FIXED, FILM: SAME AS F183	EA		REF									-15 5-25B	R12
			59057729460					F	F347	RESISTOR, FIXED, FILM: SAME AS F183	EA		REF									-15 5-25B	R20
			59057729460					F	F348	RESISTOR, FIXED, FILM: SAME AS F183	EA		REF									-15 5-25B	R30

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59057729460					F	F349	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF								-15 5-25B	R38	
			59057729460					F	F350	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF								-15 5-25B	R43	
			59059047081					F	F351	RESISTOR, FIXED, FILM: SAME AS F179	EA	REF								-15 5-25B	R11	
			59059047001					F	F352	RESISTOR, FIXED, FILM: SAME AS F179	EA	REF								-15 5-25B	R19	
			59059047001					F	F353	RESISTOR, FIXED, FILM: SAME AS F179	EA	REF								-15 5-25B	R29	
			59059047081					F	F354	RESISTOR, FIXED, FILM: SAME AS F179	EA	REF								-15 5-25B	R37	
			59616150095					F	F355	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F 127	EA	REF								-15 5-25B	CR1	
			59616150095					F	F356	SEMI-CONDUCTOR DEVICE, DIODE SAME AS F127	EA	REF								-15 5-25B	CR2	
			59616150095					F	F357	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-25B	CR4	
			59616150095					F	F358	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-25B	CR5	
			59616150095					F	F359	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-25B	CR6	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59616150095					F	F360	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-25B	CR7	
			59616150095					F	F361	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-25B	CR9	
			59616150095					F	F362	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-25B	CR10	
			59616150095					F	F363	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-25B	CR11	
			59616150095					F	F364	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-25B	CR12	
			59616150095					F	F365	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-25B	CR13	
			59616150095					F	F366	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-25B	CR14	
			59616150095					F	F367	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-25B	CR15	
			59616150095					F	F368	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-25B	CR17	
			59616150095					F	F369	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-25B	CR21	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
P	D		59616150095						F	F370	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA								-15 5-25B	CR22		
			59616150095						F	F371	SEMI-CONDUCTOR DEVICE. DIODE: SAME AS F127	EA									-15 5-25B	CR23	
			59616150095						F	F372	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA									-15 5-25B	CR24	
			59619178504						F	F373	SEMI-CONDUCTOR, DIODE: SAME AS F083	EA										-15 5-25B	CR3
			59619178504						F	F374	SEMI-CONDUCTOR, DIODE: SAME AS F083	EA										-15 5-25B	CR8
			59619178504						F	F375	SEMI-CONDUCTOR, DIODE: SAME AS F083	EA										-15 5-25B	CR16
			59619178504						F	F376	SEMI-CONDUCTOR, DIODE: SAME AS F083	EA										-15 5-25B	CR18
			59619178504						F	F377	SEMI-CONDUCTOR, DIODE: SAME AS F083	EA										-15 5-25B	CR19
			59619178504						F	F378	SEMI-CONDUCTOR DIODE: SAME AS F083	EA										-15 5-25B	CR20
						59100575689					F	F379	CAPACITOR, FIXED, ELECTROLYTIC: 56289; 40D106G025BBO	EA								3	-15 5-25B
								F	F380	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS F101	EA									-15 5-25B	C2		

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
			59107776920						F	F381	CAPACITOR, FIXED, MICA- SAME AS F188	EA									-15 5-25B	C3		
			59107776920						F	F382	CAPACITOR, FIXED, MICA: SAME AS F188	EA										-15 5-25B	C4	
			59107776920						F	F383	CAPACITOR, FIXED, MICA: SAME AS F188	EA										-15 5-25B	C5	
			59107776920						F	F384	CAPACITOR, FIXED, MICA: SAME AS F188	EA										-15 5-25B	C6	
			59107776920						F	F385	CAPACITOR, FIXED, MICA- SAME AS F188	EA										-15 5-25B	C7	
			59409901658						F	F386	TERMINAL, STUD: SAME AS F103	EA										-15 5-25B	TP1	
			59409901658						F	F387	TERMINAL, STUD: SAME AS F103	EA										-15 5-25B	TP2	
			59409901658						F	F388	TERMINAL, STUD: SAME AS F103	EA										-15 5-25B	TP3	
			59409901658						F	F389	TERMINAL, STUD: SAME AS F103	EA										-15 5-25B	TP4	
			59409901658						F	F390	TERMINAL, STUD: SAME AS F103	EA										-15 5-25B	TP5	
						59408255334					F	F391	CLAMP, LOOP: SAME AS F107	EA									-15 5-25B	H3

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE								(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20				
X P H T	D		74408526348							*	F392	RIVET, COMPOSITION MALE: SAME AS F108	EA	REF									-15 5-25B		
										*	F393	RIVET, COMPOSITION FEMALE: SAME AS F109	EA	REF									-15 5-25B		
										F	F394	PRINTED WIRING BOARD: 06809; 44406	EA	1									-15 5-25B		
										E	F395	PRINTED CIRCUIT BOARD: 06809; 44194G2	EA	1	1	2	3	1	2	3		3	-15 4-35	22	
							59619014862				F	F396	TRANSISTOR: SAME AS F077	EA	REF									-15 5-21	Q1
							59619014862				F	F397	TRANSISTOR: SAME AS F077	EA	REF									-15 5-21	Q2
							59619014862				F	F398	TRANSISTOR: SAME AS F077	EA	REF									-15 5-21	Q6
							59619014862				F	F399	TRANSISTOR: SAME AS F077	EA	REF									-15 5-21	Q7
							59617525229				F	F400	TRANSISTOR: SAME AS F112	EA	REF									-15 5-21	Q3
							59617525229				F	F401	TRANSISTOR: SAME AS F112	EA	REF									-15 5-21	Q4
							59617525229				F	F402	TRANSISTOR: SAME AS F112	EA	REF									-15 5-21	Q5
							59617525229				F	F403	TRANSISTOR: SAME AS F112	EA	REF									-15 5-21	Q8
			59619027969				F	F404	TRANSISTOR: SAME AS F124	EA	REF									-15 5-21	Q9				

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE								(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
P P	D		59700702910							F	F405	INSULATOR, DISK: SAME AS F082	EA	REF									-15 5-21	H1
			59719898333							F	F406	INSULATOR, DISK: SAME AS F081	EA	REF									-15 5-21	H2
			59051908883							F	F407	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF100J	EA	5									-15 5-21	R1
			59051908883							F	F408	RESISTOR, FIXED, COMPOSITION: SAME AS F407	EA	REF									-15 5-21	R12
			59050803228							F	F409	RESISTOR, FIXED, COMPOSITION: 01121; EB2R75	EA	4								12	-15 5-21	R2
			59057279774							F	F410	RESISTOR, FIXED, FILM: SAME AS F149	EA	REF									-15 5-21	R3
			59057279774							F	F411	RESISTOR, FIXED, FILM: SAME AS F149	EA	REF									-15 5-21	R23
			59058841608							F	F412	RESISTOR, FIXED, FILM: SAME AS F153	EA	REF									-15 5-21	R4
			59058841608							F	F413	RESISTOR, FIXED, FILM: SAME AS F153	EA	REF									-15 5-21	R24
			59057261186							F	F414	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF									-15 5-21	R5
			59057261186							F	F415	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF									-15 5-21	R8

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59057261886					F	F416	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF								-15 5-21	R9	
			59057261886					F	F417	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF								-15 5-21	R16	
			59057261886					F	F418	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF								-15 5-21	R20	
			59057261886					F	F419	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF								-15 5-21	R21	
			59057261886					F	F420	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF								-15 5-21	R25	
			59057261886					F	F421	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF								-15 5-21	R27	
			59057261886					F	F422	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF								-15 5-21	R31	
			59058304536					F	F423	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF								-15 5-21	R6	
			59058304536					F	F424	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF								-15 5-21	R14	
			59058304536					F	F425	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF								-15 5-21	R18	
			59058304536					F	F426	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF								-15 5-21	R26	
			59057261867					F	F427	RESISTOR, FIXED, FILM: SAME AS F174	EA	REF								-15 5-21	R7	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59057261867					F	F428	RESISTOR, FIXED, FILM: SAME AS F174	EA	REF								-15 5-21	R13	
			59057261867					F	F429	RESISTOR, FIXED, FILM: SAME AS F174	EA	REF								-15 5-21	R15	
			59057261867					F	F430	RESISTOR, FIXED, FILM: SAME AS F174	EA	REF								-15 5-21	R19	
			59057261867					F	F431	RESISTOR, FIXED, FILM: SAME AS F174	EA	REF								-15 5-21	R29	
			59057261867					F	F432	RESISTOR, FIXED, FILM: SAME AS F174	EA	REF								-15 5-21	R32	
			59057729460					F	F433	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF								-15 5-21	R11	
			59057729460					F	F434	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF								-15 5-21	R17	
			59057729460					P	F435	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF								-15 5-21	R22	
			59057729460					F	F436	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF								-15 5-21	R30	
			59059047081					F	F437	RESISTOR, FIXED, FILM: SAME AS F179	EA	REF								-15 5-21	R10	
			59059047081					F	F438	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF								-15 5-21	R28	
			59108271218					F	F439	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF								-15 5-21	C1	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
P	D		59107607695						F	F440	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS F187	EA	REF								6	-15 5-21	C2
			59107776920						F	F441	CAPACITOR, FIXED, MICA. SAME AS F188	EA	REF									-15 5-21	C3
			59107776920						F	F442	CAPACITOR, FIXED, MICA. SAME AS F188	EA	REF									-15 5-21	C5
			59107776920						F	F443	CAPACITOR, FIXED, MICA. SAME AS F188	BA	REF									-15 5-21	C6
			59107776920						F	F444	CAPACITOR, FIXED, MICA SAME AS F188	EA	REF									-15 5-21	C7
			59101070811						F	P445	CAPACITOR, FIXED, ELECTROLYTIC: 14655; NLW1-12	EA	2									-15 5-21	C4
			59616150095						F	F446	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-21	CR1
			59616150095						F	F447	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-21	CR2
			59616150095						F	F448	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-21	CR3
			59616150095						F	F449	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-21	CR4

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			59616150095						F	F450	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-21	CR5
			59616150095						F	F451	SEMI-CONDUCTOR DEVICE, DIODE SAME AS P127	EA	REF									-15 5-21	CR6
			59616150095						F	F452	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-21	CR7
			59616150095						F	F453	SEMI-CONDUCTOR DEVICE, DIODE SAME AS P127	EA	REF									-15 5-21	CR8
			59616150095						F	F454	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF									-15 5-21	CR9
			59616150095						F	F455	SEMI-CONDUCTOR DEVICE, DIODE SAME AS F127	EA	REF									-15 5-21	CR10
			59616150095						F	F456	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS P127	EA	REF									-15 5-21	CR11
			59619178504						F	F457	SEMI-CONDUCTOR DIODE: SAME AS F083	EA	REF									-15 5-21	CR12
			59619178504						F	F458	SEMI-CONDUCTOR DIODE: SAME AS F083	EA	REF									-15 5-21	CR13
			59619178504						F	F459	SEMI-CONDUCTOR DIODE: SAME AS F083	EA	REF									-15 5-21	CR14

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)					(B)	(C)
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20	
			59619178504						F	F460	SEMI-CONDUCTOR DIODE: SAME AS F083	EA									-15		
			59409901658						F	F461	TERMINAL, STUD: SAME AS F103	EA									5-21	CR15	
			59409901658						F	F462	TERMINAL, STUD: SAME AS F103	EA									-15	TP1	
			59409901658						F	F463	TERMINAL, STUD: SAME AS F103	EA									5-21	TP2	
			59409901658						F	F464	TERMINAL, STUD: SAME AS F103	EA									-15	TP3	
			59409901658						F	F464	TERMINAL, STUD: SAME AS F103	EA									5-21	TP4	
			59408255334						F	F465	CLAMP, LOOP: SAME AS F107	EA									-15	H3	
									*	F466	RIVET, COMPOSITION MALE: SAME AS F108	EA									-15		
									F	F467	RIVET, COMPOSITION FEMALE: SAME AS F109	EA										5-21	
X1	D								F	F468	PRINTED CIRC UIT BOARD: 06809; 44294	EA									-15		
P	H	T	74409362323						E	F469	CIRCUIT CARD ASSEMBLY: 06809; 34735G2	EA		1	2	3	1	2	3		3	-15	
P	D		59619253749						F	F470	TRANSISTOR: 81349; 2N2612	EA									25	-15	23
																					-15	Q6	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)					(B)	(C)
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20	
			53050545647						*	F471	SCREW, MACHINE: SAME AS C094AM	EA										-15	
C	D		53102621739						*	F472	WASHER, SPLIT: 78189; 1704 -00	EA		14								5-19	H1
X2	D		49208749758						*	F473	STANDOFF, THREADED: 71279; 1300-9	EA		18								-15	H2
			59619243749						F	F474	TRANSISTOR: SAME AS F470	EA										5-19	H3
			53050545647						*	F475	SCREW, MACHINE: SAME AS C694AM	EA										-15	Q11
			53102621739						*	F476	WASHER, SPLIT: SAME AS F472	EA										5-19	H1
			49208749758						*	F477	STANDOFF, THREADED: SAME AS F473	EA										-15	H2
			5961752 5229						F	F478	TRANSISTOR: SAME AS F112	EA										5-19	H3
			59617525229						F	F479	TRANSISTOR: SAME AS F112	EA										-15	Q1
			59617525229						F	F480	TRANSISTOR: SAME AS F112	EA										5-19	Q2
			59617525229						F	F481	TRANSISTOR: SAME AS F112	EA										-15	Q3
			59617525229						F	F481	TRANSISTOR: SAME AS F112	EA										15	Q4
			59617525229						F	F482	TRANSISTOR: SAME AS F112	EA										15	Q4
																						5-19	Q5

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59617525229					F	F483	TRANSISTOR: SAME AS F112	EA	REF								-15		
			59617525229					F	F484	TRANSISTOR: SAME AS F112	EA	REF								5-19	Q7	
			59617525229					F	F485	TRANSISTOR: SAME AS F112	EA	REF								-15	Q9	
			59617525229					F	F486	TRANSISTOR: 81349; 2N491	EA	1							5	5-19	Q10	
P	D		59628088398					F	F487	INSULATOR, DISK: SAME AS F082	EA	REF								-15		
P	D		59058751131					F	F488	RESISTOR, FIXED, WIREWOUND: 81349; RW68V750	EA	1							3	-15	H4	
P	D		59059855466					F	F489	RESISTOR, FIXED, FILM: 81349; RN60D6811F	EA	5							15	-15	R1	
			S9059855466					F	F490	RESISTOR, FIXED, FILM: SAME AS F489	EA	REF								-15	R2	
			59059855466					F	F491	RESISTOR, FIXED, FILM: SAME AS F489	EA	REF								-15	R5	
			59059855466					F	F492	RESISTOR, FIXED, FILM: SAME AS F489	EA	REF								-15	R7	
			59059855466					F	F493	RESISTOR, FIXED, FILM: SAME AS F489	EA	REF								-15	R10	
			59058926578					F	F494	RESISTOR, FIXED, FILM: SAME AS D507AM	EA	REF								-15	R20	
																				-15	R3	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59059926578					F	F495	RESISTOR, FIXED, FILM: SAME AS D507AM	EA	REF								-15		
			59058926578					F	F496	RESISTOR, FIXED, FILM: SAME AS D507AM	BA	REF								5-19	R4	
			590S8926578					F	F497	RESISTOR, FIXED, FILM: SAME AS D507AM	EA	REF								-15	R8	
			59058926S78					F	F498	RESISTOR, FIXED, FILM: SAME AS D507AM	EA	REF								5-19	R9	
			59059836914					F	F499	RESISTOR, FIXED, FILM: SAME AS D880 M	EA	REF								-15	R21	
			59059836914					F	F500	RESISTOR, FIXED, FILM: SAME AS D880 M	EA	REF								5-19	R6	
P	D		59059882306					F	F501	RESISTOR, FIXED, FILM: 81349; RN60 D4641F	EA	2							6	-15	R11	
			59059882306					F	F502	RESISTOR, FIXED, FILM: SAME AS F501	EA	REF								5-19	R12	
P	D		59059882306					F	F503	RESISTOR, FIXED, FILM: COMPOSITION: 81349; RL32S560G	EA	3							9	-15	R27	
			59050510752					F	F504	RESISTOR, FIXED, FILM: COMPOSITION: SAME AS F503	EA	REF								5-19	R13	
			59050510752					F	F505	RESISTOR, FIXED, FILM: COMPOSITION: SAME AS F503	EA	REF								-15	R25	
																				5-19	R29	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59058926578					F	F506	RESISTOR, FIXED, FILM: SAME AS D867 M	EA	REF								-15		
			59058926578					F	F507	RESISTOR, FIXED, FILM: SAME AS D867 M	EA	REF								5-19	R14	
			59058926578					F	P508	RESISTOR, FIXED, FILM: SAME AS D867 M	EA	REF								-15	R15	
			59058926578					F	F509	RESISTOR, FIXED, FILM: SAME AS D867 M	EA	REF								5-19	R16	
			59058926578					F	F510	RESISTOR, FIXED, FILM: SAME AS D867 M	EA	REF								-15	R17	
P	D		59050693917					F	F511	RESISTOR, FIXED, FILM: 81349; PN60DB251P	EA	2						6		-15	R18	
			59050693917					F	F512	RESISTOR, FIXED, FILM: SAME AS F511	EA	REF								5-19	R18	
P	D		59050625037					F	F513	RESISTOR, FIXED, FILM: 81349; RN65D5620F	EA	2						6		-35	R28	
			59050625037					F	P514	RESISTOR, FIXED, FILM: SAME AS F513	EA	REF								5-19	R19	
P	D		59057754631					F	F515	RESISTOR, FIXED, COMPOSITION: 81349; RL32S102G	EA	1						3		-15	R30	
			59057754631					F	F515	RESISTOR, FIXED, COMPOSITION: 81349; RL32S102G	EA	1								5-19	R23	
P	D		59059570642					F	F516	RESISTOR, FIXED, FILM: 81349; RN60D2213F	EA	1						3		-15	R24	
			59059570642					F	F516	RESISTOR, FIXED, FILM: 81349; RN60D2213F	EA	1								5-19	R24	
			59059854889					F	F517	RESISTOR, FIXED, FILM: SAME AS D441 M	EA	REF								-15	R26	
			59059854889					F	F517	RESISTOR, FIXED, FILM: SAME AS D441 M	EA	REF								5-19	R26	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59109361334					F	F518	CAPACITOR-FIXED, ELECTROLYTIC: SAME AS D804 M	EA	REF								-15		
			59109361334					F	F519	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS D604 M	EA	REF								5-19	C1	
			59616150095					F	F520	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15		
			59616150095					F	F521	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								5-19	CR1	
			59616150095					F	F522	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15		
			59616150095					F	F523	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								5-19	CR2	
			59616150095					F	F524	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15		
			59616150095					F	F525	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								5-19	CR3	
			59616150095					F	F526	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15		
			59616150095					F	F527	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								5-19	CR4	
			59616150095					F	F527	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15		
			59616150095					F	F527	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								5-19	CR5	
			59616150095					F	F527	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15		
			59616150095					F	F527	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								5-19	CR6	
			59616150095					F	F527	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15		
			59616150095					F	F527	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								5-19	CR10	
			59616150095					F	F527	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15		
			59616150095					F	F527	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								5-19	CR11	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
P	D		59616150095						F	F528	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA								-15 5-19	CR12		
			59616150095						F	F529	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA									-15 5-19	CR13	
			59616150095						F	P530	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA									-15 5-19	CR14	
			59616150095						F	F531	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA										-15 5-19	CR15
			59616150095						F	F532	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA										-15 5-19	CR16
			59618836064						F	F533	SEMI CONDUCTOR DEVICE, DIODE: 80131; 1N704A	EA		4						12		-15 5-19	CR7
			59618836064						F	F534	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F533	EA										-15 5-19	CR17
			59619178504						F	F535	SEMI-CONDUCTOR DIODE: SAME AS F083	EA										-15 5-19	CR8
P	D		59619178504					F	F536	SEMI-CONDUCTOR DIODE: SAME AS F083	EA									-15 5-19	CR18		
			59615776214						F	F537	SEMI-CONDUCTOR DIODE: 81349; IN537	EA		3						9		-15 5-19	CR9

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
X1	D		59615776214						F	F538	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS P537	EA									-15 5-19	CR19		
			59409901658						F	F539	TERMINAL, S TUD: SAME AS F103	EA										-15 5-19	TP1	
			59409901658						F	F540	TERMINAL, STUD: SAME AS P103	EA										-15 5-19	TP2	
			59409901658						F	F541	TERMINAL, STUD: SAME AS F103	EA										-15 5-19	TP3	
			59409901658						F	F542	TERMINAL, STUD: SAME AS F103	EA										-15 5-19	TP4	
			59409901658						F	F543	TERMINAL, STUD: SAME AS F103	EA										-15 5-19	TP5	
			59409901658						F	F544	TERMINAL, STUD: SAME AS F103	EA										-15 5-19	TP6	
			53408255334						F	F545	CLAMP, LOOP: SAME AS F107	EA											-15 5-19	HS
									F	F546	RIVET, COMPOSITION: MALE:	EA											-15 5-19	
									F	F547	RIVET, COMPOSITION FEMALE: SAME AS P109	EA											-15 5-19	
						F	F548	PRINTED CIRCUIT BOARD: 06809; 34835	EA		1									-15 5-19				

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H	T	74408526349						E	F549	CIRCUIT CARD ASSEMBLY: 06809; 44197G2	EA	1	1	2	3	1	2	3		3	-15			
			59619253749						F	F550	TRANSISTOR: SAME AS F470	EA	REF								35	-15	24		
			53050545647						*	F551	SCREW, MACHINE: SAME AS C694AM	EA	REF								30	-15	Q5		
			53102621739						*	F552	WASHER, SPLIT: SAME AS F472	EA	REF								35	-15	HI		
			49208749758						*	F553	STANDOFF, THREADED SAME AS F473	EA	REF								30	-15	H2		
			59619253749						F	F554	TRANSISTOR: SAME AS F470	EA	REF								35	-15	H3		
			53050545647						*	F555	SCREW, MACHINE: SAME AS C694AM	EA	REF								30	-15	Q10		
			53102621739						*	F556	WASHER, SPLIT: SAME AS F472	EA	REF								35	-15	H1		
			49208749758						*	F557	STANDOFF, THREADED: SAME AS F473	EA	REF								30	-15	H2		
			59619253749						F	F558	TRANSISTOR: SAME AS F470	EA	REF								35	-15	H3		
			53050545647						*	F559	SCREW, MACHINE: SAME AS C694AM	EA	REF								30	-15	Q13		
			53102621739						*	F560	WASHER, SPLIT: SAME AS F472	EA	REF								35	-15	H1		
																					30	-15	H2		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	D		49208749758						F	F561	STANDOFF, THREADED: SAME AS F473	EA	REF								35	-15	H3		
			59612766609						F	F562	TRANSISTOR: 03508; GTR502	EA	7								30	-15	Q1		
			59612766609						F	F563	TRANSISTOR: SAME AS F562	EA	REF								35	-15	Q2		
			59612766609						F	F564	TRANSISTOR: SAME AS F562	EA	REF								30	-15	Q4		
			59612766609						F	F565	TRANSISTOR: SAME AS F562	EA	REF								35	-15	Q5		
			59612766609						F	F566	TRANSISTOR: SAME AS F562	EA	REF								30	-15	Q7		
			59612766609						F	F567	TRANSISTOR: SAME AS F562	EA	REF								35	-15	Q9		
			59612766609						F	F568	TRANSISTOR: SAME AS F562	EA	REF								30	-15	Q12		
P	D		59618824566						F	F569	TRANSISTOR: 80131; 2N1605	EA	6								35	-15	Q3		
			59618824566						F	F570	TRANSISTOR: SAME AS F569	EA	REF								30	-15	Q8		
			59617525229						F	F571	TRANSISTOR: SAME AS F112	EA	REF								35	-15	Q11		
			59700702910						F	F572	INSULATOR, DISK; SAME AS F082	EA	REF								30	-15	H4		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59616150095					F	F573	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-24	CR1	
			59616150095					F	F574	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-24	CR5	
			59616150095					F	F575	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-24	CR10	
			59616150095					F	F576	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-24	CR11	
			59616150095					F	F577	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-24	CR12	
			59616150095					F	F578	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF								-15 5-24	CR13	
			59618836064					F	F579	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F533	EA	REF								-15 S-24	CR2	
			59618836064					F	F580	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F533	EA	REF								-15 5-24	CR6	
			59619178504					F	F581	SEMI-CONDUCTOR DIODE: SAME AS F083	EA	REF								-15 5-24	CR3	
			59619178504					F	F582	SEMI-CONDUCTOR DIODE- SAME AS F083	EA	REF								-15 5-24	CR7	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59619178504					F	F583	SEMI-CONDUCTOR DIODE; SAME AS F083	EA	REF								-15 5-24	CR15	
P	D		59619294947					F	F584	SEMI-CONDUCTOR DEVICE, DIODE: 84970; VR56A	EA	2							6	-15 5-24	CR4	
			59519294947					F	F585	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F584	EA	REF								-15 S-24	CR8	
			59615776214					F	F586	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F537	EA	REF								-15 5-24	CR16	
P	D		59619720046					F	F587	SEMI-CONDUCTOR DEVICE SET: 09213; DHD572	EA	2							6	-15 5-24	CR12	
			59619720046					F	F588	SEMI-CONDUCTOR DEVICE SET: SAME AS F587	EA	REF								-15 5-24	CR13	
			59059047083					F	F589	RESISTOR, FIXED, FILM: 07115; C20-103G	EA	2							6	-15 5-24	R1	
			59059047083					F	F590	RESISTOR, FIXED, FILM: SAME AS F589	EA	REF								-15 5-24	R12	
P	D		59057279768					F	F591	RESISTOR, FIXED, FILM: 07115; C20-152G	EA	8							24	-15 5-24	R2	
			59057279768					F	F592	RESISTOR, FIXED, FILM: SAME AS F591	EA	REF								-15 5-24	R3	
			59097279768					F	F593	RESISTOR, FIXED, FILM: SAME AS F591	EA	REF								-15 5-24	R13	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				MODEL	IND								CD	1-5	6-10	11-20	1-5	6-10			11-20		
1	2	3	4	5	6																		
P	D		59057279768						F	F594	RESISTOR, FIXED, FILM: SAME AS F591	EA	REF									-15	
			59057279768						F	F595	RESISTOR, FIXED, FILM: SAME AS F591	EA	REF									5-24	R14
			59057279768						F	F596	RESISTOR, FIXED, FILM: SAME AS F591	EA	REF									5-24	R23
			59057818798						F	F597	RESISTOR, VARIABLE, WIREWOUND: 75042; 100-5K	EA	4						9			5-24	R26
			59057818798						F	F598	RESISTOR, VARIABLE, WIREWOUND: SAME AS F597	EA	REF									5-24	R4
			59057818798						F	F599	RESISTOR, VARIABLE, WIREWOUND SAME AS F597	EA	REF									5-24	R15
P	D		59057279769						F	F600	RESISTOR, FIXED, FILM 07115; C20-822G	EA	2						6			-15	R5
			59057279769						F	F601	RESISTOR, FIXED, FILM: SAME AS F600	EA	REF									5-24	R16
P	D		59057694147						F	F602	RESISTOR, FIXED, FILM 81349; RL42SIOIG	BA	3						9			-15	R6
			59057694147						F	F603	RESISTOR, FIXED, FILM: SAME AS F602	EA	REF									5-24	R17
			59057694147						F	F604	RESISTOR, FIXED, FILM: SAME AS F602	EA	REF									5-24	R2

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				MODEL	IND								CD	1-5	6-10	11-20	1-5	6-10			11-20		
1	2	3	4	5	6																		
P	D		59057261867						F	F605	RESISTOR, FIXED, FILM: SAME AS-174	EA	REF									-15	R7
			59057261867						F	F606	RESISTOR, FIXED, FILM: SAME AS F174	EA	REF									5-24	R18
			59057261867						F	F607	RESISTOR, FIXED, FILM: SAME AS F174	EA	REF									5-24	R25
			59057729460						F	F608	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF									-15	RB
			59057729460						F	F609	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF									5-24	R19
			59059017902						F	F610	RESISTOR, FIXED, FILM: 07115; C20-302G	EA	19						57			-15	R9
			59059017902						F	F611	RESISTOR, FIXED, FILM; SAME AS F610	EA	REF									5-24	R10
			59059017902						F	F612	RESISTOR, FIXED, FILM SAME AS F610	EA	REF									5-24	R20
			59059017902						F	F613	RESISTOR, FIXED, FILM: SAME AS F610	EA	REF									-15	R21
			59059017902						F	F614	RESISTOR, FIXED, FILM SAME AS F610	EA	REF									5-24	R31
P	D		59057735781						F	F615	RESISTOR, FIXED, FILM: 07115; C20-301G	EA	3						9			-15	R11
			59057735781						F	F616	RESISTOR, FIXED, FILM: SAME AS F615	EA	REF									5-24	R22

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59057735781					F	F617	RESISTOR, FIXED, FILM: SAME AS F615	EA	REF								-15 5-24	R33	
			59051908883					F	F618	RESISTOR, FIXED, FILM: COMPOSITION: SAME AS F407	EA	REF								-15 5-24	R24	
			59057261886					F	F619	RESISTOR, FIXED, FILM: SAME AS F095	EA	REF								-15 5-24	R28	
P	D		59050442222					F	F620	RESISTOR, FIXED, FILM: WIREWOUND: 81349; RW69V151	EA	1						3		-15 5-24	R30	
P	D		59057279762					F	F621	RESISTOR, FIXED, FILM: 81349; RL20S561G	EA	1						3		-15 5-24	R32	
P	D		59509258958					F	F622	INDUCTOR STA NDARD, FIXED: 76487; J302-6800	EA	2						4		-15 5-24	L01,L02	
P	D		59109886289					F	F623	CAPACITOR, FIXED, ELECTROLYTIC: 14655; NLW100-25	EA	1						3		-15 5-24	C1	
P	D		59109038993					F	F624	CAPACITOR, FIXED, ELECTROLYTIC: 56289; 150D564X9035AL	EA	2						6		-15 5-24	C2	
			59109038993					F	F625	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS P624	EA	REF								-15 5-24	C3	
P	D		59108381409					P	F626	CAPACITOR, FIXED, ELECTROLYTIC: 56289; 150D274X9035A2	EA	1						3		-15 5-24	C5	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59101070811					F	F627	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS F445	EA	REF								-15 5-24	C4	
			59409901658					F	F628	TERMINAL, STUD: SAME AS F103	EA	REF								-15 5-24	TP1	
			59409901658					F	F629	TERMINAL, STUD: SAME AS F103	EA	REF								-15 5-24	TP2	
			59409901658					F	F630	TERMINAL, STUD: SAME AS F103	EA	REF								-15 5-24	TP3	
			534082SS334					F	F631	CLAMP, LOOP: SAME AS F107	EA	REF								-15 5-24	H5	
								*	F632	RIVET, COMPOSITION MALE: SAME AS P108	EA	REF								-15 5-24	5-24	
								*	F633	RIVET, COMPOSITION FEMALE: SAME AS F109	EA	REF								-15 5-24		
X1	D							F	F634	PRINTED CIRCUIT BOARD: 06809; 44297	EA									-15 5-24		
P	H	T	74400193086					E	F635	ELECTRICAL COMPONENT ASSEMBLY: 06809; 44452G2	EA	1	1	2	3	1	2	3	3	-15 4-35	25	
X1	D							F	F636	PRINTED CIRCUIT BOARD: 06809; 44552	EA	1								-15 5-26		
P	D		59106886881					F	F637	CAPACITOR, FIXED ELECTROLYTIC: 14655; NLW10-25	EA	1						3		-15 5-26	C1	
P	D		59106492912					F	F638	CAPACITOR, FIXED ELECTROLYTIC: 72136; DM15-470J	EA	1						3		-15 5-25	C2	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	D		59108214037						F	F639	CAPACITOR, FIXED, ELECTROLYTIC 562119; 150D824X9035A2	EA	1								3	-15 5-26	C3		
P	D		59619292097						F	F640	TRANSISTOR: 81349; 2N3642	EA	1								3	-15 5-26	Q1		
P	D		59611033981						F	F641	TRANSISTOR: 81349; 2N3644	EA	1								3	-15 5-26	Q2		
			59700702910						F	F642	INSULATOR DISK: SAME AS F082	EA	REF									-15 5-26	H1		
P	D		59051100384						F	F643	RESISTOR, VARIABLE, WIREWOUND: 75042; 100-50K	EA	8								24	-15 5-26	R1		
			59051100384						F	F644	RESISTOR, VARIABLE, WIREWOUND SAME AS F643	EA	REF									-15 5-26	R2		
			59051100364						F	F645	RESISTOR, VARIABLE, WIREWOUND SAME AS F643	EA	REF									-15 5-26	R3		
			59051100384						F	F646	RESISTOR, VARIABLE, WIREWOUND. SAME AS F643	EA	REF									-15 5-26	R4		
			59051100384						F	F647	RESISTOR, VARIABLE, WIREWOUND. SAME AS F643	EA	REF									-15 5-26	R5		
			59051100384						F	F648	RESISTOR, VARIABLE, WIREWOUND: SAME AS F643	EA	REF									-15 5-26	R6		
			59051100384						F	F649	RESISTOR, VARIABLE, WIREWOUND: SAME AS F643	EA	REF									-15 5-26	R7		
			59051100384						F	F650	RESISTOR, VARIABLE, WIREWOUND. SAME AS F543	EA	REF									-15 5-26	R8		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59057818798						F	F651	RESISTOR, VARIABLE, WIREWOUND SAME AS F597	EA	REF										15 5-26	R21	
P	D		59057279777						F	F652	RESISTOR, FIXED, FILM; 81349; RL205332G	EA	8								24	-15 5-26	R9		
			59057279777						F	F653	RESISTOR, FIXED, FILM; SAME AS F652	EA	REF									-15 5-26	R10		
			59057279777.						F	F654	RESISTOR, FIXED, FILM; SAME AS F652	EA	REF									-15 5-26	R11		
			59057279777						F	F655	RESISTOR, FIXED, FILM; SAME AS F652	EA	REF									-15 5-26	R12		
			59057279777						F	F656	RESISTOR, FIXED, FILM; SAME AS F652	EA	REF									-15 5-26	R13		
			59057279777						F	F657	RESISTOR, FIXED, FILM; SAME AS F652	EA,	REF									-15 5-26	R14		
			59057279777						F	F658	RESISTOR, FIXED, FILM; SAME AS F652	EA	REF									-15 5-26	R15		
			59057279777						F	F659	RESISTOR, FIXED, FILM; SAME AS F652	EA	REF									-15 5-26	R16		
P	D		59059002051						F	F660	RESISTOR, FIXED, FILM: 81349; RL20S102G	EA	1								3	-15 5-26	R18		
P	D		59057261885						F	F661	RESISTOR, FIXED, FILM: 81349; RL20S472G	EA	1								3	-15 5-26	R19		
P	D		59057279761						F	F662	RESISTOR, FIXED, FILM: 81349; RL20S101 G	EA	1								3	-15 5-26	R20		
P	D		59057754615						F	F663	RESISTOR, FIXED, FILM: 81349; RL20S432G	EA	1								3	-15 5-26	R22		
P	D		59057279747						F	F664	RESISTOR, FIXED, FILM: 81349; RL20S431G	EA	1								3	-15 5-26	R23		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	D		59621278116						F	F665	REGULATOR 27014; LM300	EA	1								3	-15	QA1		
X2	D		59409901658						F	F666	TERMINAL, STUD: SAME AS F103	EA	REF									-15	TP1		
			59409901658						F	F667	TERMINAL, STUD: SAME AS F103	EA	REF									-15	TP2		
			59409901658						F	F668	TERMINAL, STUD: SAME AS F103	EA	REF									-15	TP3		
			5940990165B						F	F669	TERMINAL, STUD: SAME AS F103	EA	REF									-15	TP4		
			59409901658						F	F670	TERMINAL, STUD: SAME AS F103	EA	REF									-15	TP5		
			59409901658						F	F671	TERMINAL, STUD: SAME AS F103	EA	REF									-15	TP6		
			59409901658						F	F672	TERMINAL, STUD: SAME AS F103	LA	REF									-15	TP7		
			59409901658						F	F673	TERMINAL, STUD: SAME AS F103	EA	REF									-15	TP8		
			59409901658						F	F674	TERMINAL, STUD: SAME AS F103	EA	REF									-15	TP9		
P	D		59358407175						F	F675	SOCKET: 91506; 8058-1G49	EA	1									-15	H2		
			53408255334						F	F676	CLAMP, LOOP: SAME AS F107	EA	REF									-15	H3		
X2	D								F	F677	RIVET, SEMITUBULAR: 61007; 3293-3-16	EA	1									-15			
P	D		59054376283						F	F678	RESISTOR, FIXED, FILM: 16299; C20-100J	EA	1								3	-15	R17		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H	T	74409373204						E	F679	CIRCUIT CARD ASSEMBLY: 06809; 44196G2	EA	1	1	2	3	1	2	3		3	-15	26		
			59619014862						F	F680	TRANSISTOR: SAME AS F077	EA	REF									-15	Q1		
			59619014862						F	F681	TRANSISTOR: SAME AS F077	EA	REF									-15	Q2		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) (30 DAYS) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
MODEL						IND CD	DESCRIPTION															
1	2	3	4	5	6			CD	DESCRIPTION													
			59618824566				F	F682	TRANSISTOR: SAME AS F569	EA	REF							-15 5-23	Q3			
			59618824566				F	F683	TRANSISTOR: SAME AS F569	EA	REF							-15 5-23	Q7			
			59610824566				F	F684	TRANSISTOR: SAME AS F569	EA	REF							-15 5-23	Q8			
			59616824566				F	F685	TRANSISTOR: SAME AS F569	EA	REF							-15 5-23	Q12			
			59617525229				F	F686	TRANSIST OR: SAME AS F112	EA	REF							-15 5-23	Q4			
			59617525229				F	F687	TRANSISTOR: SAME AS F112	EA	REF							-15 5-23	Q5			
			59617525229				F	F688	TRANSISTOR: SAME AS F112	EA	REF							-15 5-23	Q6			
			59617525229				F	F689	TRANSISTOR: SAME AS F112	EA	REF							-15 5-23	09			
			59617525229				F	F690	TRANSISTOR: SAME AS F112	EA	REF							-15 5-23	Q10			
			59617525229				F	F691	TRANSISTOR: SAME AS F112	EA	REF							-15 5-23	Q11			
			59700702910				F	F692	INSULATOR, DISK: SAME AS F082	EA	REF							-15 5-23	H1			
			59616150095				F	F693	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF							-15 5-23	CR1			

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) (30 DAYS) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)								(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
MODEL						IND CD	DESCRIPTION															
1	2	3	4	5	6			CD	DESCRIPTION													
			59616150095				F	F694	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF							-15 5-23	CR2			
			59616150095				F	F695	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF							-15 5-23	CR3			
			59616150095				F	F696	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF							-15 5-23	CR6			
			59616150095				F	F697	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF							-15 5-23	CR7			
			59616150095				F	F698	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF							-15 5-23	CR8			
P	D		59618366667				F	F699	SEMI-CONDUCTOR DEVICE, DIODE: 81349: 1N816	EA	2					6		-15 5-23	CR4			
			59618366667				F	F700	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F699	EA	REF							-15 5-23	CR5			
			59050803228				F	F701	RESISTOR, FIXED, COMPOSITION: SAME AS F409	EA	REF							-15 5-23	R1			
			59050803228				F	F702	RESISTOR, FIXED, COMPOSITION: SAME AS F409	EA	REF							-15 5-3	R3			
			59051908883				F	F703	RESISTOR, FIXED COMPOSITION: SAME AS F407	EA	REF							-15 5-23	R2			

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(11) I L L U S T R A T I O N S			
				MODEL									IND C D	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
			59057279774					F	P704	RESISTOR, FIXED, FILM: SAME AS F149	EA	REF									-15 5-23	R4		
			59058841608					F	P705	RESISTOR, FIXED, FILM: SAME AS F153	EA	REF									-15 5-23	R5		
			59059017902					F	F706	RESISTOR, FIXED, FILM: SAME AS F610	EA	REF									-15 5-23	R6		
			59059017902					F	F707	RESISTOR, FIXED, FILM: SAME AS F610	EA	REF									-15 5-23	R7		
			59059017902					F	F708	RESISTOR, FIXED, FILM: SAME AS F610	EA	REF									-15 5-23	R10		
			59059017902					F	F709	RESISTOR, FIXED, FILM: SAME AS F610	EA	REF									-15 5-23	R11		
			59059017902					F	F710	RESISTOR, FIXED, FILM: SAME AS F610	EA	REF									-15 5-23	R12		
			59059017902					F	F711	RESISTOR, FIXED FILM: SAME AS F610	EA	REF									-15 5-23	R13		
			59059017902					F	F712	RESISTOR, FIXED, FILM: SAME AS F610	EA	REF									-15 5-23	R17		
			59059017902					F	F713	RESISTOR, FIXED, FILM: SAME AS F610	EA	REF									-15 5-23	R20		
			59059017902					F	F714	RESISTOR, FIXED, FILM: SAME AS F610	EA	REF									-15 5-23	R23		
			59059017902					F	F715	RESISTOR, FIXED, FILM: SAME AS F610	EA	REF									-15 5-23	R26		

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) U N I T O F I S S U E	(5) Q T Y I N C I N U N P K	(6) Q T Y I N C I N U N I T	(7) S I T E S T O C K A G E A L L O W A N C E			(8) 4 5 D A Y A R E A R E S U P P L Y A L L O W B A S E D O N N O. E Q U I P M E N T S U P P O R T E D			(9) 1- Y E A R A L L O W P E R 1 0 0 E Q U I P. C N T G C Y P L A N	(10) D E P O T M A I N T A L L O W P E R 1 0 0 E Q U I P	(11) I L L U S T R A T I O N S			
				MODEL									IND C D	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	(A) F I G. N O.	(B) I T E M N O. O R R E F D E S I G N
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
			59059017902					F	F716	RESISTOR, FIXED, FILM: SAME AS F610	EA	REF									-15 5-23	R27		
			59059017902					P	F717	RESISTOR, FIXED, FILM: SAME AS F610	EA	REF									-15 5-23	R28		
			59059017902					F	F718	RESISTOR, FIXED, FIXED: SAME AS F610	EA	REF									-15 5-23	R29		
			59059017902					F	F719	RESISTOR, FIXED, FILM: SAME AS F610	EA	REF									-15 5-23	R33		
P	D		59057685612					F	F720	RESISTOR, FIXED, FILM: 07115; C20-243G	EA	2						6			-15 5-23	R8		
			59057685612					F	F721	RESISTOR, FIXED, FILM: SAME AS F720	EA	REF									-15 5-23	R24		
P	D		59057818801					F	F722	RESISTOR, VARIABLE, WIREWOUND: 75012; 10 0?K	EA	2						6			-15 5-23	R9		
			59057818801					F	F723	RESISTOR, VARIABLE, WIREWOUND: SAME AS F722	EA	REF									-15 5-23	R25		
			59057261867					F	F724	RESISTOR, FIXED, FILM: SAME AS F174	EA	REF									-15 5-23	R14		
			59057261867					F	F725	RESISTOR, FIXED, FILM: SAME AS F174	EA	REF									-15 5-23	R30		
			59058304536					F	F726	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF									-15 5-23	R15		
			59058304536					F	F727	RESISTOR, FIXED, FILM:	EA	REF									-15			

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCTY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)				
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	FIG. NO.	ITEM NO. OR REF DESIGN
			59059047081					F	F728	RESISTOR, FIXED, FILM: SAME AS F179	EA	REF								-15 5-23	R16	
			59059047081					F	P729	RESISTOR, FIXED, FILM: SAME AS F179	EA	REF								-15 5-23	R19	
			59059047081					F	F730	RESISTOR, FIXED, FILM: SAME AS F179	EA	REF								-15 5-23	R32	
			59057279768					F	F731	RESISTOR, FIXED, FILM: SAME AS F591	EA	REF								-15 5-23	R18	
			59057279768					F	F732	RESISTOR, FIXED, FILM: SAME AS F591	EA	REF								-15 5-23	R34	
			59057729460					F	F733	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF								-15 5-23	R21	
			59057729460					F	F734	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF								-15 5-23	R22	
			59057729460					F	FY35	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF								-15 5-23	R35	
			59057729460					F	F736	RESISTOR, FIXED, FILM: SAME AS F183	EA	REF								-15 5-23	R36	
			59107607695					F	F737	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS F187	EA	REF								-15 5-23	C1	
			59107607695					F	F738	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS F187	EA	REF								-15 5-23	C3	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCTY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)				
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	FIG. NO.	ITEM NO. OR REF DESIGN
			59108271218					F	F739	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS F192	EA	REF								-15 5-23	C2	
			59107776920					F	P740	CAPACITOR, FIXED, MICA. SAME AS F188	EA	REF								-15 5-23	C4	
			59107776920					F	F741	CAPACITOR, FIXED, MICA- SAME AS F188	EA	REF								-15 5-23	CS	
			59107776920					F	F742	CAPACITOR, FIXED, MICA- SAME AS F108	EA	REF								-15 5-23	C6	
			59107776920					r	F743	CAPACITOR, FIXED, MICA. SAME AS F188	EA	REF								-15 5-23	C8	
			59107776920					F	F744	CAPACITOR, FIXED, MICA. SAME AS F188	EA	REF								-15 5-23	C9	
			59107776920					F	F745	CAPACITOR, FIXED, MICA: SAME AS F188	EA	REF								-15 5-23	C10	
P	D		59100640882					F	F746	CAPACITOR, FIXED, PAPER: 72136; 1DP2-473	EA	1							3	-15 5-23	C7	
P	D		59109361522					F	F747	CAPACITOR, FIXED, ELECTROLYTIC: 81349; CS138D106K	EA	1							3	-15 5-23	C11	
			59409901658					F	F748	TERMINAL, STUD: SAME AS F103	EA	REF								-15 5-23	TP1	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59409901658					F	F749	TERMINAL, STUD : SAME AS F103	EA	REF								-15		
			59409901658					F	F750	TERMINAL, STUD: SAME AS F103	EA	REF								5-23	TP2	
			53408255334					F	F751	CLAMP, LOOP: SAME AS F107	BA	REF								-15	TP3	
								F	F752	RIVET, COMPOSITION, MALE: SAME AS F108	EA	REF								5-23	H2	
								F	F753	RIVET, COMPOSITION, FEMALE: SAME AS F109	EA	REF								-15		
X1	D							F	F754	PRINTED CIRCUIT BOARD, 06809; 44296	EA	1								-15		
P	H	T	74408351318					F	F755	CIRCUIT CARD ASSEMBLY: 06809; 44195G2	EA	1	1	2	3	1	2	3	3	-15		
			59617525229					F	F756	TRANSISTOR: SAME AS F112	EA	REF								-15	27	
			59617525229					F	F757	TRANSISTOR: SAME AS F112	EA	REF								-15	Q1	
			59617525229					F	F758	TRANSISTOR: SAME AS F112	EA	REF								-15	Q2	
			59617525229					F	F759	TRANSISTOR: SAME AS F112	EA	REF								-15	Q3	
			59617525229					F	F760	TRANSISTOR: SAME AS F112	EA	REF								-15	Q4	
			59617525229					F	F760	TRANSISTOR: SAME AS F112	EA	REF								-15	Q5	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59617525229					F	F761	TRANSISTOR: SAME AS F112	EA	REF								-15		
			59617525229					F	F762	TRANSISTOR SAME AS F112	EA	REF								5-22	Q6	
			59700702910					F	F763	INSULATOR, DISK. SAME AS F082	EA	REF								-15	Q7	
			59050803228					F	F764	RESISTOR, FIXED. COMPOSITION: SAME AS F409	EA	REF								5-22	H1	
			59051908883					F	F765	RESISTOR, FIXED, SAME AS F407	EA	REF								-15		
			59058304536					F	F766	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF								5-22	R2	
			59058304536					F	F767	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF								-15	R3	
			59058304536					F	F768	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF								5-22	R5	
			59058304536					F	F769	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF								-15	R6	
			59058304536					F	F770	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF								5-22	R14	
			59058304536					F	F771	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF								-15	R18	
			59058304536					F	F772	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF								5-22	R19	
			59058304536					F	F772	RESISTOR, FIXED, FILM: SAME AS F170	EA	REF								-15	R24	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)					(B)	(C)
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20
			59057261886						F	F773	RESISTOR, FIXED, FILM: SAME AS F095	EA									-15	
			59057261886						F	F774	RESISTOR, FIXED, FILM: SAME AS F095	EA									5-22	R4
			59057261886						F	F775	RESISTOR, FIXED, FILM: SAME AS F095	EA									-15	
			59057261867						F	P776	RESISTOR, FIXED, FILM: SAME AS F174	EA									5-22	R15
			59057261867						F	F777	RESISTOR, FIXED, FILM: SAME AS F174	EA									-15	
			59057261867						F	F778	RESISTOR, FIXED, FILM: SAME AS F174	EA									5-22	R25
			59057261867						F	F779	RESISTOR, FIXED, FILM: SAME AS F174	EA									-15	
			59057261867						F	F780	RESISTOR, FIXED, FILM: SAME AS F174	EA									5-22	R7
			59057261867						F	F781	RESISTOR, FIXED, FILM: SAME AS F174	EA									-15	
			59057261867						F	P782	RESISTOR, FIXED, FILM: SAME AS F174	EA									5-22	R9
			59057261867						F	P783	RESISTOR, FIXED, FILM: SAME AS F174	EA									-15	
			59057261867						F	P783	RESISTOR, FIXED, FILM: SAME AS F174	EA									5-22	R10
			59057261867						F	P783	RESISTOR, FIXED, FILM: SAME AS F174	EA									-15	
			59057261867						F	P783	RESISTOR, FIXED, FILM: SAME AS F174	EA									5-22	R13
			59057261867						F	P783	RESISTOR, FIXED, FILM: SAME AS F174	EA									-15	
			59057261867						F	P783	RESISTOR, FIXED, FILM: SAME AS F174	EA									5-22	R16
			59057261867						F	P783	RESISTOR, FIXED, FILM: SAME AS F174	EA									-15	
			59057261867						F	P783	RESISTOR, FIXED, FILM: SAME AS F174	EA									5-22	R20
			59057261867						F	P783	RESISTOR, FIXED, FILM: SAME AS F174	EA									-15	
			59057261867						F	P783	RESISTOR, FIXED, FILM: SAME AS F174	EA									5-22	R21
			59057261867						F	P783	RESISTOR, FIXED, FILM: SAME AS F174	EA									-35	
			59057261867						F	P783	RESISTOR, FIXED, FILM: SAME AS F174	EA									5-22	R26
			59057729460						F	F784	RESISTOR, FIXED, FILM: SAME AS F183	EA									-15	
			59057729460						F	F784	RESISTOR, FIXED, FILM: SAME AS F183	EA									5-22	R8

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)					(B)	(C)
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20	
			59057729460						F	F785	RESISTOR, FIXED, FILM: SAME AS F183	EA									-15		
			59057729460						F	F786	RESISTOR, FIXED, FILM: SAME AS F183	EA									5-22	R11	
			59057729460						F	F787	RESISTOR, FIXED, FILM: SAME AS F183	EA									-15		
			59057729460						F	F788	RESISTOR, FIXED, FILM: SAME AS F383	EA									5-22	R17	
			59057729460						F	F789	RESISTOR, FIXED, FILM: SAME AS F183	EA									-15		
			59057729460						F	F790	RESISTOR, FIXED, FILM: SAME AS F183	EA									5-22	R22	
			59057729460						F	F790	RESISTOR, FIXED, FILM: SAME AS F183	EA									-15		
			59107607695						F	F791	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS F187	EA									5-22	R23	
			59107607695						F	F791	CAPACITOR, FIXED, ELECTROLYTIC: SAME AS F187	EA									-15		
			59107600516						F	F792	CAPACITOR, FIXED, ELECTROLYTIC: 14655; N LW200-12	EA									3	-15	
			59107600516						F	F792	CAPACITOR, FIXED, ELECTROLYTIC: 14655; N LW200-12	EA									3	5-22	C2
			59107776920						F	F793	CAPACITOR, FIXED, MICA: SAME AS F188	EA									-15		
			59107776920						F	F793	CAPACITOR, FIXED, MICA: SAME AS F188	EA									5-22	C3	
			59307776920						F	F794	CAPACITOR, FIXED, MICA: SAME AS F188	EA									-15		
			59307776920						F	F794	CAPACITOR, FIXED, MICA: SAME AS F188	EA									5-22	C4	
			59107776920						F	F795	CAPACITOR, FIXED, MICA:	EA									5-22	C5	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59107776920						F	F796	CAPACITOR, FIXED, MICA: SAME AS F188	EA	REF											-15 5-22	C6
			59107776920						F	F797	CAPACITOR, FIXED, MICA: SAME AS F188	EA	REF											-15 5-22	C7
			59107776920						F	F798	CAPACITOR, FIXED, MICA: SAME AS F188	EA	REF											-15 5-22	C8
			59107776920						F	F799	CAPACITOR, FIXED, MICA: SAME AS F188	EA	REF											-15 5-22	C9
			59616150095						F	F800	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR1
			59616150095						F	F801	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR2
			59616150095						F	F802	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR3
			59616150095						F	F803	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR4
			59616150095						F	F804	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR5
			59616150095						F	F805	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR6

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59616150095						F	F806	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR7
			59616150095						F	F807	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR8
			59616150095						F	F808	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR9
			59616150095						F	F809	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR10
			59616150095						F	F810	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR11
			59616150095						F	F811	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR12
			59616150095						F	F812	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR13
			59616150095						F	F813	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR14
			59616150095						F	F814	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR15
			59616150095						F	F815	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF											-15 5-22	CR16

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
			59616150095					F	F816	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF							-15 5-22	CR17		
			59616150095					F	F817	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF							-15 5-22	CR18		
			59616150095					F	F818	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF							-15 5-22	CR19		
			59616150095					F	F819	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF							-15 5-22	CR20		
			59616150095					F	F820	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF							-15 5-22	CR21		
			59616150095					F	F821	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF							-15 5-22	CR22		
			59616150095					F	F822	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF							-15 5-22	CR23		
			59616150095					F	F823	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS F127	EA	REF							-15 5-22	CR24		
			59409901658					F	F824	TERMINAL, STUD: SAME AS F103	EA	REF							-15 5-22	TP1		
			59409901658					F	F825	TERMINAL, STUD: SAME AS F103	EA	REF							-15 5-22	TP2		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
			59409901658					F	F826	TERMINAL, STUD: SAME AS F103	EA	REF							-15 5-22	TP3		
			59408255334					F	F827	CLAMP, LOOP: SAME AS F107	EA	REF							-15 5-22	H2		
								*	F828	RIVET, COMPOSITION, MALE: SAME AS F108	EA	REF							-15 5-22			
								*	F829	RIVET, COMPOSITION, FEMALE: SAME AS F109	EA	REF							-15 5-22			
X	D							F	F830	PRINTED CIRCUIT BOARD: 06809; 44295	EA	1							-15 5-22			
A	H	R						F	F831	CHASSIS, ELECTRICAL EQUIPMENT: 06809; 52912G	EA	1							-15 4-35	32		
M	H		53109349761					F	F832	CABLE ASSEMBLY: 06809; 40640G1	EA	1							-15 4-37	54		
								*	F833	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF							-15 4-37	53		
								*	F834	SCREW, MACHINE: SAME AS D046 M	EA	REF							-15 4-37	50		
			53105319514					*	F835	WASHER, FLAT: SAME AS C906AM	EA	REF							-15 4-37	51		
			53109296395					*	F836	WASHER, LOCK: SAME AS A953	EA	REF							-15 4-37	52		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H		59357250888						G	F837	CONNECTOR RECEPTACLE, ELECTRICAL: 96906: MS3102R28-12P	EA		1	2	4	6	2	4	6		6	-15 4-38	4	
P	H		59357210708						G	GP038	CONNECTOR, RECEPTACLE, ELECTRICAL: 96906: MS102R24-28P	EA		1	1	2	3	1	2	3		3	-15 4-38	3	
P	H		59356884145						G	F839	CONNECTOR-RECEPTACLE, ELECTRICAL: 71468; DE9S	EA		4	1	2	3	1	2	3		12	-15 4-3	1	
			5935688 4145						G	F840	CONNECTOR, RECEPTACLE: SAME AS F839	EA		REF									-15 4-38	1	
			59356884145						G	F841	CONNECTOR RECEPTACLE: SAME AS P839	EA		REF									-15 4-38	11	
			59350591064						F	F842	SHELL, PLUG: SAME: AS E860	EA		REF									-15 4-38	10	
			53057702533						*	F843	SCREW, MACHINE: SAME AS C792 M	EA		REF									-15 4-38	9	
			59405780905						G	F844	TERMINAL, LUG: SAME AS E973	EA		REF									-15 4-38	6	
			59405571627						G	F845	TERMINAL, LUG: SAME AS E974	EA		REF									-15 4-38	2	
C	H		59402049142						G	F846	TERMINAL, LUG: 59730; RC363	EA		2									-15 4-38	5	
M	H								G	F847	MARKER CABLE: 06809; 56626-9	EA		1									-15 4-38	7	
M	H								G	F848	MARKER CABLE: 06809; 56626-12	EA		1									-15 4-38	8	
M	H								F	F849	CABLE ASSEMBLY: 06809; 40638G1	EA		1									-15 4-37	60	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H		59351184841						G	F850	CONNECTOR, RECEPTACLE, ELECTRICAL: 16512; A2389-20-1-0	EA		2	1	1	1	1	1	1		6	-15 4-39	7	
			59351184841						G	F851	CONNECTOR, RECEPTACLE, ELECTRICAL: SAME AS F850	EA		REF									-15 4-39	7	
			59356884145						G	F852	CONNECTOR, RECEPTACLE, ELECTRICAL: SAME AS F839	EA		REF									-15 4-39	6	
M	H								G	F853	MARKER, CABLE: 06809; 56626-14	EA		1									-15 4-39	2	
M	H								G	F854	MARKER, CABLE: 06809; 56626-6	EA		1									-15 4-39	3	
			59350591064						G	F855	SHELL, PLUG: SAME AS E860	EA		REF									-15 4-39	5	
			53057702533						*	F856	SCREW, MACHINE: SAME C792 M	EA		REF									-15 4-39	4	
			59405571627						G	F857	TERMINAL, LUG: SAME AS E974	EA		REF									-15 4-39	1	
			53050546668						*	F858	SCREW, MACHINE: SAME AS C362AM	EA		REF									-15 4-37	34	
			53106143552						*	F859	WASHER, LOCK: SAME AS E654 M	EA		REF									-15 4-37	35	
X2	H								F	F860	GUARD, REAR: 06809; 52805-1	EA		1									-15 4-37	70	
			53050546668						*	F861	SCREW, MACHINE SAME AS C362AM	EA		REF									-15 4-37	64	
X2	H								F	F862	BRACKET, CONNECTOR: 06809; 56313-1	EA		1									-15 4-37	69	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A)	(B)	(C)	(2)	(3)						IND	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
S	M	R													(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
O	A	E													1	2	3	4	5	6			CD	1-5	6-10	11-20	1-5	6-10	11-20
			53109349748						*	F863	NUT, PLAIN, HEXAGON: SAME AS B113E	EA	REF									-15					
C	H		53057702579						*	F864	SCREW, MACHINE: 96906; 51959-15	EA	2									4-17	63				
			53109338118						*	F865	WASHER, LOCK, SPLIT: SAME AS B113F	EA	REF									-15	61				
P	H		59451025807						F	F866	RELAY, SOLENOID: 80089; 91252-126	EA	1	1	2	3	1	2	3		3	-15	62				
			53105319514						*	F867	WASHER, FLAT: SAME AS C906AM	EA	REF									-15	20				
			53109296395						*	F868	WASHER, LOCK: SAME AS A953	EA	REF									-15	17				
			53109349761						*	F869	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF									-15	18				
			53057636963						*	F870	SCREW, MACHINE: SAME AS E757	EA	REF									-15	19				
P	H		59101028019						F	F871	CAPACITOR, FIXED ELECTROLYTIC: 06001; 86F262MA	EA	1	1	2	3	1	2	3		3	-15	16				
X2	H								F	F 871A	SHIELD: 14850; D1-10982B	EA	1									-35	8				
X2	H								F	F871B	SHIELD ASSEMBLY: 14850; A1-11864B	EA	1									-15	2.1				
C	H								*	F871C	SCREW, MACHINE: 141150; A1-10977F-4	EA	3									-15	0.2				
			53109249759						*	F872	NUT, PLAIN, HEXAGON SAME AS A960	EA	REF									-15	0.1				
			53059887605						F	F873	SCREW, MACHINE: SAME AS F771	EA	REF									-15	6				
			53106853744						*	F874	WASHER, FLAT SAME AS C772AM	EA	REF									-15	3				
			53109338119						*	F875	WASHER, LOCK: SAME AS A959	EA	REF									-15	4				
																						-15	5				

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A)	(B)	(C)	(2)	(3)						IND	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
S	M	R													(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
O	A	E													1	2	3	4	5	6			CD	1-5	6-10	11-20	1-5	6-10	11-20
X2	H								F	F876	BRACKET, CAP: 06809; 56254G1	EA	1									-15					
			53050546671						*	F877	SCREW, MACHINE: SAME AS C393 M	EA	REF									4-37	68				
			53109338119						*	F878	WASHER, LOCK: SAME AS A959	EA	REF									-15	65				
			53106853744						*	F879	WASHER, FLAT: SAME AS C772AM	EA	REF									-15	66				
X2	H								F	F880	GUIDE, CARD: 06809; 52795-1	EA	3									-15	67				
			53109349748						F	F881	NUT, PLAIN, HEXAGON: SAME AS B113E	EA	REF									-15	15				
C	H		53050545654						F	F882	SCREW, MACHINE: 96906; MS5957-20	EA	12									-15	12				
X2	H								*	F883	SPACER, SLEEVE: 06809; 95605	EA	4									-15	9				
			53106326721						*	F884	WASHER, FLAT: SAME AS 8113H	EA	REF									-15	13				
			53109338118						*	F885	WASHER, LOCK, SPLIT: SAME AS 8113F	EA	REF									-15	10				
P	H		59358728381						F	F886	CONNECTOR UNIT, RECEPTACLE: 06809; 63130	EA	2	1	1	1	1	1	1		6	-15	11				
A	H	R							F	F887	CHASSIS, BLANK: 06809; 56566G1	EA	1									-15	14				
C	H		53109880358							F888	NUT, SELF-LOCKING, SPLINE: 72962; 79NCFMA2-82	EA	9									-15	72				
X2	H								G	F889	BRACKET, ANGLE: 06809; 56566-2	EA	1									-15	71.1				
																						-15	71.2				

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
X2	H								G	F890	CHASSIS, BLANK: 06809; 56566-1	EA		1									-15 4-37	72
C	H		53406822089						F	F891	CLAMP, LOOP 81074; NPC9	EA		3									-15 4-37	45
			53406822089						F	F892	CLAMP, LOOP: SAME AS F891	EA		REF									-15 4-37	33
			53406822089						F	F893	CLAMP, LOOP: SAME AS F891	EA		REF									-15 4-37	59
			53109349761						*	F894	NUT, PLAIN, HEXAGON; SAME AS A965	EA		REF									-15 4-37	32,44,58
			53050546653						*	F895	SCREW, MACHINE: SAME AS D598 M	EA		REF									-15 4-37	29,41,55
			53105319514						*	F896	WASHER, FLAT, SAME AS C906AM	EA		REF									-15 4-37	30,42,56
			53109296395						*	F897	WASHER, LOCK. SAME AS A953	EA		REF									-15 4-37	31,43,57
C	H		53259338083						F	F898	GROMMET: 03296; G51PB	EA		1									-15 4-37	71
X2	H								F	F899	SPACER, TAPPED: 06540; 8222S0632-7	EA		2									-15 4-37	28
			53050546652						*	F900	SCREW, MACHINE: SAME AS A951 M	EA		REF									-15 4-37	25
			53109296395						*	F901	WASHER, LOCK: SAME AS A953	EA		REF									-15 4-37	26
			53105319514						*	F962	WASHER, FLAT; SAME AS C906AM	EA		REF									-15 4-37	27
C	H								F	F903	CLAMP, LOOP: 81074; NPC8	EA		1									-15 4-37	7

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)			(B)	(C)	FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20		
			5340B793829						F	F904	CLAMP, LOOP: SAME AS E681	EA		REF									-15 4-37	40
			53109349761						*	F905	NUT, PLAIN, HEXAGON: SAME AS A965	EA		REF									-15 4-37	39
			53050546653						*	F906	SCREW, MACHINE: SAME AS D598 M	EA		REF									-15 4-37	36
			53105319514						*	F907	WASHER, FLAT: SAME AS C906AM	EA		REF									-15 4-37	37
			53109296395						*	F908	WASHER, LOCK: SAME AS A953	EA		REF									-15 4-37	38
P	H		59455024477						F	F909	RELAY: 77342; KPP11A	EA	1	1	2	3	1	2	3	3			-15 4-37	21
P	H		59350850859						F	F910	SOCKET, RELAY: 02660; 77M1P8	EA	2	1	2	3	1	2	3	3			-15 4-37	24
			S'.50546652						*	F911	SCREW MACHINE: SAME AS A951 M	EA		REF									-15 4-37	22
			53109296395						*	F912	WASHER, LOCK: SAME AS A953	EA		REF									-15 4-37	23
			53050593 657						*	F913	SCREW, MACHINE: SAME AS E546 M	EA		REF									-15 4-37	1
C	H		53102091239						*	F914	WASHER, LOCK: 96906; MS35335-60	EA		2									-15 4-37	2
			53109349748						*	F915	NUT, PLAIN, HEXAGON: SAVE AS B113E	EA		REF									-15 4-37	49
			53109338118						*	F916	WASHER, LOCK: SAME AS B113F	EA		REF									-15 4-37	48
			53106326721						*	F917	WASHER, FLAT: SAME AS B113H	EA		REF									-15 4-37	47

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)					
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN			
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)					(B)	(C)	
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20			
M	H	R	53057637822						*	F918	SCREW, MACHINE: SAME AS C767 M	EA									-15				
									E	F919	PLATE, IDENTIFICATION: 06809; 01-003241-001	EA	1									4-37	46		
			53057642968						*	F920	SCREW, MACHINE: SAME AS C972 M	EA	REP									-15	31		
			53102860559						*	F921	WASHER, FLAT: SAME AS C315 M	EA	REF										-15	28	
			53109282690						*	F922	WASHER, LOCK: SAME AS C316 M	EA	REF										-15	30	
										D	F923	POWER SUPPLY: 06809; 56056-GI	EA	1										-15	29
			53050711322						*	F924	SCREW, MACHINE: SAME AS E829	EA	REF											-15	8
			59459297871						E	F925	RELAY: 94696; W88CPXS	EA	1	1	2	3	1	2	3		3			-15	6
			59459211162						E	F926	RELAY: 02288; T163-2C24VDC	EA	2	1	2	3	1	2	3		6			-15	7
			59459211162						E	F927	RELAY: SAME AS F926	EA	REF											-15	8
P	H	R	59459210378					E	F928	RELAY: 02288; T163-4C12VDC	EA	1	1	2	3	1	2	3		3			-15	8	
								E	F929	PLATE MOUNTING RELAY: 06809; 00-001659-001	EA	1											-15	9	
P	H	R	53050546654					*	F930	SCREW-, MACHINE: SAME AS C373-M	EA	REF											-15	100	
			59359403119						F	F931	SOCKET, RELAY: 02288; 30055-8	EA	1	1	1	1	1	1	1		2			-15	101
																						-15	108		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)						
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN				
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)					(B)	(C)		
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20				
C	H	R	53050545659						*	F931A	NUT, PLAIN, HEXAGON: 96906; MS35649-244	EA	9										-15			
									*	F931B	SCREW, MACHINE: SAME AS C283 M	EA	REF											4-18.1	103	
									*	F931C	WASHER, FLAT: 96906; MS15795-804	EA	15												-15	104
				53109338118					*	F931D	WASHER, LOCK: SAME AS B113F	EA	REF												-15	105
																						-15	106			

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL										IND CD	(A)	(B)	(C)	(A)	(B)			(C)	FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6						1-5	6-10	11-20	1-5	6-10			11-20			
P	H		59358306349					F	F932	SOCKET, RELAY: 02288; 30055-1	EA		2	1	1	1	1	1	1	1	4	-15 4-18.1	107		
								*	F932A	NUT, PLAIN, HEXAGON: SAME AS F931A	EA	REP										-15 4-18.1	103		
			53050545659					*	F932B	SCREW, MACHINE: SAME AS C283 M	EA	REF										-15 4-18.1	104		
								*	F932C	WASHER, FLAT: SAME AS F931C	EA	REF										-15 4-18.1	105		
			53109338118					*	F932D	WASHER, LOCK: SAME AS B113F	EA	REF										-15 4-18.1	106		
P	H	F							F933	SOCKET, RELAY: 02660; 77-M1P-8-T	EA		1	*	*	*	*	*	*		2	-15 4-18.1	102		
								*	F933A	NUT, PLAIN, HEXAGON: SAME AS F931A	EA	REF										-15 4-18.1	103		
			53050545659					*	F933B	SCREW, MACHINE: SAME AS C283 M	EA	REF										-15 4-18.1	104		
								*	F933C	WASHER, FLAT: SAME AS F931C	EA	REF										-15 4-18.1	105		
			53109338118					*	F933D	WASHER, LOCK: SAME AS B113F	EA	REF										-15 4-18.1	106		
X2	H							F	F933E	PLATE MOUNTING RELAY: 06809; 01-003082-001	EA		1									-15 4-18.1	109		
P	H		59058043932					E	F934	RESISTOR, FIXED: 63743; 25F10	EA		1	1	2	3	1	2	3		3	-15 4-18.1	22		
P	H		59052792115					E	F935	RESISTOR, FIXED: 63743; 25F200	EA		1	1	2	3	1	2	3		3	-15 4-18.1	21		
X2	H							*	F935A	STUD, THREADED: 06809; 01-003085-002	EA		1									-15 4-18.1	23		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL										IND CD	(A)	(B)	(C)	(A)	(B)			(C)	FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6						1-5	6-10	11-20	1-5	6-10			11-20			
			53109349759					*	F935B	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF										-15 4-18.1	24		
			53109338119					*	F935C	WASHER, LOCK: SAME AS A959	EA	REF										-15 4-18.1	25		
X2	H							*	F935D	INSULATOR, MICA: 96906; MS75009-3	EA		4									-15 4-18.1	26		
X2	H							*	F935E	INSERT, CUP TYPE: 96906; MS75009-5	EA		4									-15 4-18.1	27		
X2	H							E	F936	BRACKET, MOUNTING: 06809; 01-003084-001	EA		2									-15 4-18.1	28		
			53109349761					*	F938	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF										-15 4-18.1	29		
C	H		53057278832					*	F940	SCREW, MACHINE: 96906; MS51959-29	EA		2									-15 4-18.1	30		
			53109296395					*	F941	WASHER, LOC K: SAME AS A953	EA	REF										-15 4-18.1	32		
C	H		53109651793					*	F942	WASHER, FLAT: 96906; MS15795-806	EA		63									-15 4-18.1	31		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
A	H		59408130698						E	F943A	WIRING HARNESS: 06809; 03-001477-001	EA	1										-15		
C	H								F	F944A	TERMINAL LUG: 96906; MS25036-101	EA	4										4-18.1	95	
P	H								F	F945A	CONNECTOR, RECEPTACLE: 71785; 250-15-30-220	EA	4	*	*	*	*	*	*		8		-15	1	
C	H								*	F945B	NUT, HEXAGON, LOCKING: 96906; MS21042-04	EA	8										-15	10	
				53050545652					*	F945C	SCREW, MACHINE: SAME AS C292	EA	REF										-15	11	
				53109338118					*	F945D	WASHER, FLAT: SAME AS F931C	EA	REF										-15	14	
P	H			59358371238					*	F945E	WASHER, LOCK: SAME AS B113F	EA	REF										-15	13	
				53109349761					*	F946	CONNECTOR, RECEPTACLE, ELECTRICAL: 96906; MS3102R28-12PVV	EA	1	*	*	*	*	*	*		2		-15	90	
				53050546655					*	F947	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF										-15	91	
				53109296395					*	F948	SCREW, MACHINE: SAME AS C324 M	EA	REF										-15	92	
				59408272653					*	F949	WASHER, LOCK: SAME AS A953	EA	REF										-15	94	
								*	F950	WASHER, FLAT: SAME AS F942	EA	REF										-15	93		
								E	F951	TERMINAL LUG: SAME AS A950A	EA	REF										-15	96		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			53109349761						*	F952	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF										-15	97	
			53050546654						*	F953	SCREW, MACHINE: SAME AS C373 M	EA	REF										-15	98	
									*	F955	WASHER, FLAT: SAME AS F942	EA	REF										-15	99	
C	H		59408152093						E	F956	TERMINAL LUG: 96906; MS77068-3	EA	1										-15	20	
C	H								E	F957	CLAMP, LOOP : 80063; SM-C-546211-7	EA	6										-15	55	
			53109349761						*	F958	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF										-15	56	
			53109296395						*	F960	WASHER, LOCK: SAME AS A953	EA	REF										-15	57	
									*	F961	WASHER, FLAT: SAME AS F942	EA	REF										-15	58	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)								
(A) S O U R C E C D	(B) M A I N T C D C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)						
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN						
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20							
C	H		53109349761						E	F982	CLAMP, LOOP: SAME AS F957	EA	REF							-15 4-18.1	59							
									*	F983	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF									-15 4-18.1	60					
									*	F984	SCREW, MACHINE: SAME AS 0373 M	EA	REF										-15 4-18.1	61				
			53050546654									*	F985	WASHER, LOCK: SAME AS A953	EA	REF										-15 4-18.1	62	
												*	F986	WASHER, FLAT: SAME AS F942	EA	REF											-15 4-18.1	63
												E	F987	CLAMP, LOOP: 80063; SM-C-546211-4	EA	2											-15 4-18.1	69
			53109296395									*	F988	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF											-15 4-18.1	60
												*	F989	SCREW, MACHINE: SAME AS C373 M	EA	REF											-15 4-18.1	61
												*	F990	WASHER, LOCK: SAME AS A953	EA	REF											-15 4-18.1	62

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)									
(A) S O U R C E C D	(B) M A I N T C D C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)							
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN							
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20								
C	H		53109349761						*	F991	WASHER, FLAT: SAME AS F942	EA	REF												-15 4-18.1	63			
									E	F992	CLAMP, LOOP: SAME AS F987	EA	REF											-15 4-18.1	64				
									*	F993	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF											-15 4-18.1	65				
			53057636963									*	F994	SCREW, MACHINE: SAME AS E757	EA	REF												-15 4-18.1	66
												*	F995	WASHER, LOCK: SAME AS A953	EA	REF											-15 4-18.1	67	
												*	F996	WASHER, FLAT: SAME AS F942	EA	REF											-15 4-18.1	68	
			53109296395									E	F997	CLAMP, LOOP: 80063; SM-C-546211-3	EA	3												-15 4-18.1	70
												*	F998	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF											-15 4-18.1	71	
												*	F999	SCREW, MACHINE: SAME AS C373 M	EA	REF											-15 4-18.1	72	
53109296395									*	G001	WASHER, LOCK: SAME AS A953	EA	REF											-15 4-18.1	73				
									*	G002	WASHER, FLAT: SAME AS F942	EA	REF										-15 4-18.1	74					
									E	G003	CLAMP, LOOP: SAME AS F997	EA	REF											-15 4-18.1	75				

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
			53109349761					*	G004	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF								-15 4-18.1	76	
								*	G005	SCREW, MACHINE: SAME AS F940	EA	REF								-15 4-18.1	77	
			53109296395					*	G006	WASHER, LOCK: SAME AS A953	EA	REF								-15 4-18.1	78	
								*	G007	WASHER, FLAT: SAME AS F942	EA	REF								-15 4-18.1	79	
P	H		59509293132					E	G013	TRANSFORMER: 55938; B126-2871	EA	1	1	1	2	1	1	2	3	-15 4-18.1	15	
			53109349759					*	G014	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF								-15 4-18.1	16	
C	H		53102255328					*	G015	WASHER, FLAT: 96906; MS15795-841	EA	8								-15 4-18.1	18	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20				
				1	2	3	4	5	6												IND CD	DESCRIPTION
			53109338119					*	G016	WASHER, LOCK: SAME AS A959	EA	REF								-15 4-18.1	17	
P	H		59509293131					E	G017	TRANSFORMER: 55938; B126-2870	EA	1	1	1	2	1	1	2	3	-15 4-18.1	19	
			53109349759					*	G018	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF								-15 4-18.1	16	
								*	G019	WASHER, FLAT: SAME AS G015	EA	REF								-15 4-18.1	18	
			53109338119					*	G020	WASHER, LOCK: SAME AS A959	EA	REF								-15 4-18.1	17	
P	H		59101029277					E	G021	CAPACITOR, FIXED ELECTROLYTIC: 56289; 32D322GO15AA6C	EA	1	1	2	3	1	2	3	3	-15 4-18.1	33	
X2	H							E	G022	CLAMP, CAPACITOR: 95682; 97A00IX	EA	3								-15 4-18.1	34	
			53109349761					E	G023	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF								-15 4-18.1	35	
			53050546652					*	G024	SCREW, MACHINE: SAME AS A951 M	EA	REF								-15 4-18.1	36	
			53109296395					*	G026	WASHER, LOCK: SAME AS A953	EA	REF								-15 4-18.1	33	
								*	G027	WASHER, FLAT: SAME AS F942	EA	REF								-15 4-18.1	37	
			53050546655					*	G027A	SCREW, MACHINE: SAME AS C324 M	EA	REF								-15 4-18.1	39	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
C	H		53108071465						*	G028	NUT, SELF-LOCKING: 96906; MS21042-06	EA	4										-15 4-18.1	40	
X2	H		59402049414						E	G029	TERMINAL, BLOCK: 71785; 6-170	EA	1										-15 4-18.1	80	
			53057637827						*	G031	SCREW, MACHINE: SAME AS E706	EA	REF										-15 4-18.1	82	
			53109338118						*	G032	WASHER, LOCK: SAME AS B113F	EA	REF										-15 4-18.1	83	
									*	G033	NUT, PLAIN, HEXAGON: SAME AS F931A	EA	REF										-15 4-18.1	81	
									*	G034	WASHER, FLAT: SAME AS F931C	EA	REF										-15 4-18.1	84	
X2	H								E	G035	TERMINAL BLOCK: 75382; 800-14-KT26	EA	1										-15 4-18.1	85	
			53050546655						*	G037	SCREW, MACHINE: SAME AS C324 M	EA	REF										-15 4-18.1	87	
			53109296395						*	G038	WASHER, LOCK: SAME AS A953	EA	REF										-15 4-18.1	88	
									*	G039	WASHER, FLAT: SAME AS F942	EA	REF										-15 4-18.1	89	
			53109349761						*	G040	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF										-15 4-18.	86	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H								E	G041	CAPACITOR, FIXED, ELECTROLYTIC: 04222; QE-17	EA	1	*	*	*	*	*	*				5	-15 4-18.1	1 41
									E	G042	CLAMP, CAPACITOR: SAME AS G022	EA	REF											-15 4-18.1	42
			53109349761						*	G043	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF											-15 4-18.1	35
			53050546652						*	G044	SCREW, MACHINE: SAME AS A951 M	EA	REF											-15 4-18.1	36
			53109296395						*	G045	WASHER, LOCK: SAME AS A 953	EA	REF											-15 4-18.1	38
									*	G046	WASHER, FLAT: SAME AS F942	EA	REF											-15 4-18.1	37
			53050546655						*	G046A	SCREW, MACHINE: SAME AS C324 M	EA	REF											-15 4-18.1	39
									*	G046B	NUT, SELF-LOCKING: SAME AS G028	EA	REF											-15 4-18.1	40
P	H		59109295008						E	G047	CAPACITOR, FIXED, ELECTROLYTIC: 56289; 32D143G015AF6C	EA	1	1	2	3	1	2	3				5	-15 4-18.1	43
									E	G048	CLAMP, CAPACITOR: SAME AS G022	EA	REF											-15 4-18.1	42
			53109349761						*	G049	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF											-15 4-18.1	35
			53050546652						*	G050	SCREW, MACHINE: SAME AS A951 M	EA	REF											-15 4-18.1	36
			53109296395						*	G051	WASHER, LOCK: SAME AS A953	EA	REF											-15 4-18.1	38
									*	G052	WASHER, FLAT: SAME AS F942	EA	REF											-15 4-18.1	37

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	H		53050546655						*	EA	REF									-15	4-18.1	39
									*	EA	REF									-15	4-18.1	40
									E	EA	1	*	*	*	*	*	*	5	-15	4-18.1	44	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
X2	D		53109349761						*	EA	REF									-15	4-18.1	45
									*	EA	REF									-15	4-18.1	35
X2	D		53109296395						*	EA	REF									-15	4-18.1	38
									*	EA	REF									-15	4-18.1	37
									*	EA	REF									-15	4-18.1	46
									*	EA	REF									-15	4-18.1	40
									E	EA	4									-15	4-18.1	112
									*	EA	REF									-15	4-18.1	113
P	H	T	74400193098						E	EA	1	1	2	3	1	2	3	3	-15	4-18.1	51	
									*	EA	REF									-15	4-18.1	52
									*	EA	REF									-15	4-18.1	53, 114
									*	EA	REF									-15	4-18.1	54, 115

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	D		59615776214						F	G063	SEMI-CONDUCTOR DEVICE, DIODE: 10295; 1N536	EA	5								15	-15 5-42	CR1		
			59615776214						F	G064	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G063	EA	REF									-15 5-42	CR2		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59615776214						F	G065	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G063	EA	REF										-15 5-42	CR12	
			59615776214						F	G066	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G063	EA	REF										-15 5-42	CR29	
			59615776214						F	G067	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G063	EA	REF										-15 5-42	CR30	
P	D								F	G068	SEMI-CONDUCTOR DEVICE, DIODE: 04713; 1N4997	EA	15								30	-15 5-42	CR19		
									F	G069	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G068	EA	REF										-15 5-42	CR20	
									F	G070	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G068	EA	REF										-15 5-42	CR21	
									F	G071	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G068	EA	REF										-15 5-42	CR22	
P	D		59608212309						F	G072	SEMI-CONDUCTOR DEVICE, DIODE: 81349; 1N751	EA	5								15	-15 5-42	CR23		
P	D		59109319890						F	G073	CAPACITOR, FIXED, ELECTROLYTIC: 56289; 34D108G015GL4	EA	1								3	-15 5-42	C1		
P	D		59109295009						F	G074	CAPACITOR, FIXED, ELECTROLYTIC: 56289; 34D258G015HP4	EA	1								3	-15 5-42	C5		

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	D							F	G075	RESISTOR, FIXED, COMPOSITION: 81349; RC32GF331K	EA	2								6	-15 5-42	R62			
								F	G076	RESISTOR, FIXED, COMPOSITION: SAME AS G075	EA	REF									-15 5-42	R63			
P	D							F	G077	RESISTOR, FIXED, COMPOSITION: 81349; RC32GF101K	EA	1								3	-15 5-42	R64			
P	D		53050546656					F	G078	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF680K	EA	1									3	-15 5-42	R66		
			53109349761					F	G079A	SCREW, MACHINE: SAME AS C289A	EA	REF									-15 5-42	2			
								F	G079B	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF									-15 5-42	3			
								F	G079C	WAS HER, FLAT: SAME AS F942	EA	REF									-15 5-42	4			
			53109296395					F	G079D	WASHER, LOCK: SAME AS A953	EA	REF									-15 5-42	5			
X	D							F	G080	COMPONENT BOARD: 06809; 01-003081-003	EA	1									-15 5-42	1			
C	H							E	G081	WELL NUT: 00613; G1032	EA	12									-15 4-18.1	6			
X2	H							E	G083	HANDLE: 06809; 01-003080-001	EA	2									-15 4-18.1	110			
C	H		53057654257						G084	SCREW, MACHINE: 96906; MS51959-43	EA	4									-15 4-18.1	111			
M	H							E	G085	PLATE, IDENTIFICATION: 06809; 01-003078-001	EA	1									-15 4-18.1	47			

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			53050545659					*	G085A	SCREW, MACHINE: SAME AS C283 M	EA	REF											-15 4-18.1	48	
								*	G085B	NUT, PLAIN, HEXAGON: SAME AS F931A	EA	REF											-15 4-18.1	49	
			53109338118					*	G085C	WASHER, LOCK: SAME AS B113F	EA	REF											-15 4-18.1	50	
X2	H							E	G086	CHASSIS: 06809; 01-003389-001	EA	1											-15 4-18.1	116	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
P	H	T	74409263228						E	G087	CIRCUIT CARD ASSEMBLY: 06809; 12-890141-002	EA	1	1	2	3	1	2	3	3	-15 4-18.1	3	
C	H								F	G080	SCREW, MACHINE: 06809; 01-003086-001	EA	12								-15 5-39	10	
									F	G089	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G068	EA	REF								-15 5-39	CR3	
									F	G090	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G068	EA	REF								-15 5-39	CR4	
									F	G091	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G068	EA	REF								-15 5-39	CR24	
			59608212309						F	G092	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G072	EA	REF								-15 5-39	CR5	
P	D								F	G093	RESISTOR, VARIABLE: 12697; 29-479	EA	4							20	-15 5-39	R10	
P	D		59052791869						F	G095	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF121K	EA	2								6	-15 5-39	R11
P	D		59052792672						F	G096	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF182K	EA	6								6	-15 5-39	R2
P	D								F	G097	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF182K	EA	3								9	-15 5-39	R3
P	D								F	G098	RESISTOR, FIXED: 63743; 3X.68	EA	1								3	-15 5-39	R4

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
			59051711997						F	G099	RESISTOR, FIXED, COMPOSITION: SAME AS D065A	EA	REF								-15 5-39	R9	
P	D		59059855401						F	G100	RESISTOR, FIXED: 63743; 3X470	EA	5							18	-15 5-39	R11	
			59051956806						F	G101	RESISTOR, FIXED, COMPOSITION: SAME AS D066A	EA	REF								-15 5-39	R8	
									F	G102	RESISTOR, FIXED, COMPOSITION: SAME AS G096	EA	REF								-15 5-39	R7	
			59052560387						F	G103	RESISTOR, FIXED, COMPOSITION: SAME AS E550P	EA	REF								-15 5-39	R6	
P	D		59109297851						F	G104	CAPACITOR, FIXED: 56289; 34D907G010FL4	EA	3							9	-15 5-39	C4	
P	D		59101808068						F	G105	CAPACITOR, FIXED: 04222; V146XR0047200V	EA	2								-15 5-39	C3	
P	D		59619310385						F	G106	TRANSISTOR: 49956; RT9343	EA	15								75	-15 5-39	Q3
			59619310385						F	G107	TRANSISTOR: SAME AS G106	EA	REF								-15 5-39	Q4	
			59619310385						F	G108	TRANSISTOR: SAME AS G106	EA	REF								-15 5-39	Q5	
			59619310385						F	G109	TRANSISTOR: SAME AS G106	EA	REF								-15 5-39	Q6	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	D		59709564972						F	G110	INSULATOR DISK: SAME AS A373	EA	REF									-15 5-39	8		
			59619052926						F	G111	TRANSISTOR: 02735; 40250	EA	4							20			-15 5-39	Q1	
			59408272653						F	G112	TERMINAL LUG: SAME AS A950A	E A	REF										-15 5-39	5	
			53109349761						*	G113	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF											-15 5-39	1
			53050546655						*	G114	SCREW, MACHINE: SAME AS C324 M	EA	REP											-15 5-39	2
			53109296395						*	G115	WASHER, LOCK: SAME AS A953	EA	REF											-15 5-39	3
										*	G116	WASHER, FLAT: SAME AS F942	EA	REF											-15 5-39	4
X2	D						F	G119	HEATSINK: 06809; 01-003087-011	EA	1										-15 5-39	9			
X1	D						F	G120	PRINTED CIRCUIT BOARD: 06809; 12-870140-002	EA	1										-15 5-39	11			

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	H	T	53050541662						*	G122	SCREW, MACHINE: SAME AS A951 M	EA	REF										-15 5-39	12	
			53109296395						*	G123	WASHER, LOCK: SAME AS A953	EA	REF										-15 5-39	14	
									*	G124	WASHER, FLAT: SAME AS F942	EA	REF										-15 5-39	13	
			74409263232						E	G125	CIRCUIT CARD ASSEMBLY: 06809; 12-890142-002	EA	1	1	2	3	1	2	3		3			-15 4-1 8.1	4
									*	G126	SCREW, MACHINE: SAME AS G088	EA	REF											-15 5-40	10
									F	G127	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G068	EA	REF											-15 5-40	CR6
									F	G128	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G068	EA	REF											-15 5-40	CR7
									F	G129	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G068	EA	REF											-15 5-40	CR25
						59608212309				F	G130	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G072	EA	REF										-15 5-40	CR8
										F	G131	RESISTOR, VARIABLE: SAME AS G093	EA	REF										-15 5-40	R20

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6																	
P	D		59051863008						F	G133	RESISTOR, FIXED, COMPOSITION: SAME AS G096	EA	REF										-15 5-40	R12		
									F	G134	RESISTOR, FIXED, COMPOSITION: SAME AS D305	EA	REF											-15 5-40	R13	
										F	G135	RESISTOR, FIXED, COMPOSITION: SAME AS G097	EA	REF										-15 5-40	R15	
						59050603731					F	G136	RESISTOR, FIXED: 63743; 3X1	EA	2							6			-15 5-40	R14
						59051711997					F	G137	RESISTOR, FIXED, COMPOSITION: SAME AS D065A	EA	REF										-15 5-40	R19
						59059855401					F	G138	RESISTOR, FIXED: SAME AS G100	EA	REF										-15 5-40	R21
						59051956806					F	G139	RESISTOR, FIXED, COMPOSITION: SAME AS D066A	EA	REF										-15 5-40	R18
											F	G140	RESISTOR, FIXED, COMPOSITION: SAME AS G096	EA	REF										-15 5-40	R17
						59052560387					F	G141	RESISTOR, FIXED, COMPOSITION: SAME AS E550P	EA	REF										-15 5-40	R16
						59109297851					F	G142	CAPACITOR, FIXED: SAME AS G104	EA	REF										-15 5-40	C7
								F	G143	CAPACITOR, FIXED: SAME AS G105	EA	REF										-15 5-40	C6			

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C C	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
			59619310385						F	G144	TRANSISTOR: SAME AS G106	EA	REF										-15 5-40	Q8	
			59619310385						F	G145	TRANSISTOR: SAME AS G106	EA	REF										-15 5-40	Q9	
			59619310385						F	G146	TRANSISTOR: SAME AS G106	EA	REF										-15 5-40	Q10	
			59619310385						F	G147	TRANSISTOR: SAME AS G106	EA	REF										-15 5-40	Q11	
			59709564972						F	G148	INSULATOR DISK: SAME AS A373	EA	REF										-15 5-40	8	
			59619052926						F	G149	TRANSISTOR: SAME AS G111	EA	REF										-15 5-40	Q7	
			59408272653						F	G150	TERMINAL LUG: SAME AS A950A	EA	REF										-15 5-40	5	
			53109349761						*	G151	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF										-15 5-40	1	
			53050546655						*	G152	SCREW, MACHINE: SAME AS C324 M	EA	REF										-15 5-40	2	
			53109296395						*	G153	WASHER, LOCK: SAME AS A953	EA	REF										-15 5-40	3	
									*	G154	WASHER, FLAT: SAME AS F942	EA	REF										-15 5-40	4	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	FIG. NO.	ITEM NO. OR REF DESIGN
X2	D							F	G157	HEATSINK: 06809; 01-003087-004	EA									-15 5-40	9	
X1	D		53050546652					F	G158	PRINTED CIRCUIT BOARD 06809; 12-870140-003	EA									-15 5-40	11	
			53109296395					*	G160	SCREW, MACHINE: SAME AS A951 M	EA									-15 5-40	12	
								*	G161	WASHER, LOCK: SAME AS A953	EA									-15 5-40	14	
								*	G162	WASHER, F LAT: SAME AS F942	EA									-15 5-40	13	
P	H	T	76468777879					E	G163	CIRCUIT CARD ASSEMBLY 06809; 12-890140-002	EA	1	2	3	1	2	3	3		-15 4-18.1	2	
								*	G164	SCREW, MACHINE: SAME AS G088	EA									-15 5-38	10	
								F	G165	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G068	EA									-15 5-38	CR26	
								F	G166	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G068	EA									-15 5-38	CR9	
								F	G167	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G068	EA									-15 5-38	CR10	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	FIG. NO.	ITEM NO. OR REF DESIGN
			59608212309					F	G168	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G072	EA									-15 5-38	CR11	
								F	G169	RESISTOR, VARIABLE: SAME AS G093	EA									-15 5-38	R32	
								F	G170	RESISTOR, FIXED, COMPOSITION: SAME AS G096	EA									-15 5-38	R23	
P	D							F	G171	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF470K	EA	1						3		-15 5-38	R22	
								F	G172	RESISTOR, FIXED, COMPOSITION: SAME AS G097	EA									-15 5-38	R25	
P	D		59059319892					F	G173	RESISTOR, FIXED: 63743; 3X1300	EA	1						3		-15 5-38	R31	
			59059693731					F	G174	RESISTOR, FIXED: SAME AS G136	EA									-15 5-38	R27	
			59052560387					F	G175	RESISTOR, FIXED, COMPOSITION: SAME AS E550P	EA									-15 5-38	R30	
			59059855401					F	G176	RESISTOR, FIXED, SAME AS G100	EA									-15 5-38	R33	
			59051956806					F	G177	RESISTOR, FIXED, COMPOSITION: SAME AS D066A	EA									-15 5-38	R29	
			59051956502					F	G178	RESISTOR, FIXED, COMPOSITION: SAME AS E550T	EA									-15 5-38	R28	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D							F	G179	RESISTOR, FIXED, COMPOSITION:	EA		1						3	-15 5-38	R26	
P	D		59109292850					F	G181	CAPACITOR, FIXED, ELECTROLYTIC: 56289; 34D507G025FP4	EA		1						3	-15 5-38	C10	
P	D		59101324378					F	G182	CAPACITOR, FIXED: 04222; V146XR001200V	EA		1						3	-15 5-38	C9	
			59619310385					F	G183	TRANSISTOR: SAME AS G106	EA		REF							-15 5-38	Q15	
			59619310385					F	G184	TRANSISTOR: SAME AS G106	EA		REF							-15 5-38	Q16	
			59619310385					F	G185	TRANSISTOR: SAME AS G106	EA		REF							-15 5-38	Q17	
			59709564972					F	G186	INSULATOR DISK: SAME AS A373	EA		REF							-15 5-38	8	
			59619052926					F	G187	TRANSISTOR: SAME AS G111	EA		REF							-15 5-38	Q13	
C	D		53050545647					*	G188	SCREW, MACHINE: 96906; MS51957-13	EA		4							-15 5-38	6	
			53109336118					*	G189	WASHER, LOCK: SAME AS B113F	EA		REF							-15 5-38	7	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		59612491583					F	G190	TRANSISTOR: 13327; B3263A	EA		2						10	-15 5-38	Q12	
			59408272653					F	G191	TERMINAL LUG: SAME AS A950A	EA		REF							-15 5-38	5	
			53109349761					*	G192	NUT, PLAIN, HEXAGON: SAME AS A965	EA		REF							-15 5-38	1	
			53050546655					*	G193	SCREW, MACHINE: SAME AS C324 M	EA		REF							-15 5-38	2	
			53109296395					*	G194	WASHER, LOCK: SAME AS A953	EA		REF							-15 5-30	3	
								*	G195	WASHER, FLAT: SAME AS F942	EA		REF							-15 5-38	4	
X2	D							F	G198	HEATSINK: 06809; 01-003087-002	EA		1							-15 5-38	9	
X1	D							F	G199	PRINTED CIRCUIT BOARD 06809; 12-870140-001	EA		1							-15 5-38	11	
			53050546652					*	G201	SCREW, MACHINE: SAME AS A951 M	EA		REF							-15 5-38	12	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6																		
P	H	T	53109296395						*	G202	WASHER, LOCK: SAME AS A953	EA	REF										-15 5-38	14			
									*	G203	WASHER, FLAT: SAME AS F942	EA	REF											-15 5-38	13		
			74400969985							E	G204	CIRCUIT CARD ASSEMBLY 06809; 12-890143-001	EA	1	1	2	3	1	2	3		3		-15 4-18.1	15		
										F	G205	SCREW, MACHINE: SAME AS G088	EA	REF											-15 5-41	10	
										F	G206	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G068	EA	REF											-15 5-41	CR16	
										F	0207	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G068	EA	REF											-15 5-41	CR17	
						59608212309					F	G208	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS G072	EA	REF											-15 5-41	CR18
											F	G209	RESISTOR, VARIABLE: SAME AS G093	EA	REF											-15 5-41	R58
											F	G210	RESISTOR, FIXED, COMPOSITION: SAME AS G096	EA	REF											-15 5-41	R47
											F	G211	RESISTOR, FIXED, COMPOSITION: SAME AS G095	EA	REF											-15 5-41	R65
						59051712006					F	G212	RESISTOR, FIXED, COMPOSITION: SAME AS D480A	EA	REF											-15 5-41	R57

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)	
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6																
P	D								F	G213	RESISTOR, FIXED: 63743; 7X.18	EA	1										3	-15 5-41	R49
P	D								F	G214	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF221K	EA	1										3	-15 5-41	R54
P	D		59052791459						F	G215	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF150K	EA	2										6	-15 5-41	R48
P	D								F	G216	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF391K	EA	1										3	-15 5-41	R53
									F	G217	RESISTOR, FIXED, COMPOSITION: SAME AS G215	EA	REF											-15 5-41	R52
P	D		59051712005						F	0218	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF471K	EA	1										3	-15 5-41	R51
			59059855401						F	G219	RESISTOR, FIXED: SAME AS G100	EA	REF											-15 5-41	R55
			59059855401						F	G220	RESISTOR, FIXED: SAME AS G100	EA	REF											-15 5-41	R56
			59051712006						F	G221	RESISTOR, FIXED, COMPOSITION: SAME AS D480A	EA	REF											-15 5-41	R59
P	D		59051858518						F	G222	RESISTOR, FIXED, COMPOSITION: 81349; RC20GF103K	EA	1										3	-15 5-41	R50
			59109297851						F	G223	CAPACITOR, FIXED: SAME AS G104	EA	REF											-15 5-41	C16

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)					(B)	(C)
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20
P	D		59101322619						F	G224	CAPACITOR, FIXED: 04222; V146XR0068200V	EA		1						3	-15 5-41	C15
			59619310385						F	G225	TRANSISTOR: SAME AS G106	EA		REF							-15 5-41	Q25
			59619310385						F	G226	TRANSISTOR: SAME AS G106	EA		REF							-15 5-41	Q26
			59619310385						F	G227	TRANSISTOR: SAME AS G 106	EA		REF							-15 5-41	Q27
			59619310385						F	G228	TRANSISTOR: SAME AS G106	EA		REF							-15 5-41	Q28
									F	G229	INSULATOR DISK: SAME AS A373	EA		REF							-15 5-41	8
			59619052926						F	G230	TRANSISTOR: SAME AS G111	EA		REF							-15 5-41	Q24
									*	G231	SCREW, MACHINE: SAME AS G188	EA		REF							-15 5-41	6
			53109338118						*	G232	WASHER, LOCK: SAME AS B113F	EA		REF							-15 5-41	7
									F	G233	TRANSISTOR: SAME AS G190	EA		REF							-15 5-41	Q23
			59408272653						F	G234	TERMINAL LUG: SAME AS A950A	EA		REF							-15 5-41	5
			53109349761						*	G235	NUT, PLAIN, HEXAGON: SAME AS A965	EA		REF							-15 5-41	1

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN
				MODEL									IND CD	DESCRIPTION	(A)	(B)	(C)	(A)					(B)	(C)
				1	2	3	4	5	6						1-5	6-10	11-20	1-5			6-10	11-20
			53050546655						*	G236	SCREW, MACHINE: SAME AS C324 M	EA		REF							-15 5-41	2
			53109296395						*	G237	WASHER, LOCK: SAME AS A953	EA		REF							-15 5-41	3
									*	G238	WASHER, FLAT: SAME AS F942	EA		REF							-15 5-41	4
X2	D								F	G239	HEATSINK: 06809; 01-003087-005	EA		1							-15 5-41	9
X1	D								F	G240	PRINTED CIRCUIT BOARD 06809; 12-870140-004	EA		1							-15 5-41	11
			53050546652						*	G242	SCREW, MACHINE: SAME AS A951 M	EA		REF							-15 5-41	12
			53109296395						*	G243	WASHER, LOCK: SAME AS A953	EA		REF							-15 5-41	14
									*	G 244	WASHER, FLAT: SAME AS F942	EA		REF							-15 5-41	13
									C	G245	SLIDE: SAME AS A940	EA		REF							-15 4-18	13
C	H		53409848854						C	G246	HANDLE BOW: 96906; MS39087-1	EA		1							-15 4-18	5
			53050593660						*	G247	SCREW, MACHINE: SAME AS A942	EA		REF							-15 4-18	2

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
X	H		53101670812					*	G248	WASHER, FLAT: SAME AS A939	EA	REF								-15 4-18	4	
			53109331120					*	G249	WASHER, LOCK: SAME AS A938	EA	REF								-15 4-18	3	
			53406849956					C	G250	LATCH: SAME AS A975 M	EA	REF								-15 4-18	1	
									G251	WASHER, FLAT SAME AS A975A	EA	REF								-15 4-18	1.1	
								C	G252	CHASSIS POWER SUPPLY: 58189; A64539-001	EA	1								-15 4-18	14	
			53050593659					*	G253	SCREW, MACHINE: SAME AS B135	EA	REF								-15 4-18	9	
			53109338120					*	G254	WASHER, LOCK: SAME AS A938	EA	REF								-15 4-18	11	
			53101670812					*	G255	WASHER, FLAT: SAME AS A939	EA	REF								-15 4-18	12	
			53109349765					*	G256	NUT, PLAIN, HEXAGON: SAME AS A966C	EA	REF								-15 41-18	10	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
X	H							B	G257	NUT BAR: 06809; 01-002884-1	EA	1								-15 4-10	126	
			53050593659					*	G258	SCREW, MACHINE: SAME AS B135	EA	REF								-15 4-10	123	
			53109338120					*	G259	WASHER, LOCK: SAME AS A938	EA	REF								-15 4-10	125	
			53101670812					*	G260	WASHER, FLAT: SAME AS A939	EA	REF								-15 4-10	124	
A	H	R						B	G261	MOTOR STOP ASSEMBLY: 06009; 00-001563-5	EA	1								-15 4-10	127	
X2	H							C	G262	FRAME, MOUNTING: 06809; 01-002802-2	EA	1								-15 4-10	46	
X2	H		53400516706					D	G263	CLIP, SPRING: 96906; MS17160-30	EA	2								-15 4-19	33	
								D	G264	RIVET: 96906; MS20613-4PG	EA	4								-15 4-19	32	
P	H	T	74402258836					C	G265	CIRCUIT CARD ASSEMBLY: 06809; 12-890096-2	EA	1	*	*	*	*	*	*	3	-15 4-19	45	
X1	D							D	G266	PRINTED CIRCUIT BOARD: 06809; 12-870096-2	EA	1								-15 5-37		
P	D		59104335446					D	G267	CAPACITOR, CIRCUIT BOARD: 81349; 12-870096-2	EA	REF								-15 5-37	C1	
			59104335446					D	G268	CAPACITOR, TANTALUM: SAME AS G267	EA	REF								-15 5-37	C2	
			59104335446					D	G269	CAPACITOR, TANTALUM: SAME AS G267	EA	REF								-15 5-37	C3	
			59108999129					D	G270	CAPACITOR, TANTALUM: SAME AS A928	EA	REF								-15 5-37	C5	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	D		59108994395					D	G271	CAPACITOR, PAPER: 81349; CP09A1KB104K3	EA	1							3	-15 5-37	C6	
P	D		59106550137					D	G272	CAPACITOR, P APER: 81349; CP09A1KB473K3	EA	1							3	-15 5-37	C4	
P	D		59100818526					D	G273	CAPACITOR, PAPER: 81349; CM05F391J03	EA	1							3	-15 5-37	C7	
P	D		59109545508					D	G274	CAPACITOR, MICA: 81349; CM05P241J03	EA	3							6	-15 5-37	C8	
			59109545508					D	G275	CAPACITOR, MICA: SAME AS G274	EA	REF								5-37	C9	
			59109545508					D	G276	CAPACITOR, MICA: SAME AS G274	EA	REF								5-37	C10	
			59618140768					D	G277	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF								5-37	CR1	
			59618140768					D	G278	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF								-15 5-37	CR2	
			59618140768					D	G279	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF								-15 5-37	CR7	
			59610888792					D	G280	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D520 M	EA	REF								-15 5-37	CR4	
			59610888792					D	G281	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D520 M	EA	REF								-15 5-37	CR6	
			59618140768					D	G282	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS A051G	EA	REF								-15 5-37	CR8	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			59619952310					D	G283	SEMICONDUCTOR DEVICE, DIODE: SAME AS A320	EA	REF									-15 5-37	VR1
P	D		59624701637					D	G284	INTEGRATED CIRCUIT: 01295; SN7474J	EA	5							25	-15 5-37	Z8	
			59624701637					D	G285	INTEGRATED CIRCUIT: SAME AS G284	EA	REF									-15 5-37	Z12
			59624701637					D	G286	INTEGRATED CIRCUIT: SAME AS G284	EA	REF									-15 5-37	Z13
			59624701637					D	G287	INTEGRATED CIRCUIT: SAME AS G284	EA	REF									-15 5-37	Z15
			59624701637					D	G288	INTEGRATED CIRCUIT: SAME AS G284	EA	REF									-15 5-37	Z16
P	D		59620845273					D	G289	INTEGRATED CIRCUIT: 01295; SN7400J	EA	8							40	-15 5-37	Z4	
			59620845273					D	G290	INTEGRATED CIRCUIT: SAME AS G289	EA	REF									-15 5-37	Z5
			59620845273					D	G291	INTEGRATED CIRCUIT. SAME AS G289	EA	REF									-15 5-37	Z6
			59620845273					D	G292	INTEGRATED CIRCUIT: SAME AS G289	EA	REF									-15 5-37	Z7
			59620845273					D	G293	INTEGRATED CIRCUIT: SAME AS G289	EA	REF									-15 5-37	Z9
			59620845273					D	G294	INTEGRATED CIRCUIT: SAME AS G289	EA	REF									-15 5-37	Z10
			59620845273					D	G295	INTEGRATED CIRCUIT: SAME AS G289	EA	REF									-15 5-37	Z11
			59620845273					D	G296	INTEGRATED CIRCUIT: SAME AS G28 9	EA	REF									-15 5-37	Z14

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD																
P	D		59624709522					D	G297	INTEGRATED CIRCUIT: 0129B; SN7402J	EA	1							5	-15 5-37	Z2	
P	D		59624779456					D	G298	INTEGRATED CIRCUIT: 01295; SN7410J	EA	1							5	-15 5-37	Z3	
			59056832236					D	G299	RESISTOR, FIXED, COMPOSITION: SAME AS A214	EA	REF								-15 5-37	R3	
			59056832236					D	G300	RESISTOR, FIXED, COMPOSITION: SAME AS A221	EA	REF								-15 5-37	R5	
			59056832236					D	G301	RESISTOR, FIXED, COMPOSITION: SAME AS A221	EA	REF								-15 5-37	R7	
			59056832236					D	G302	RESISTOR, FIXED, COMPOSITION; SAME AS A221	EA	REF								-15 5-37	R12	
			59056832236					D	G303	RESISTOR, FIXED, COMPOSITION: SAME AS A221	EA	REF								-15 5-37	R14	
			59056832236					D	G304	RESISTOR, FIXED, COMPOSITION: SAME AS A221	EA	REF								-15 5-37	R15	
			59056832236					D	G305	RESISTOR, FIXED, COMPOSITION: SAME AS A221	EA	REF								-15 5-37	R19	
			59058016444					D	G306	RESISTOR, FIXED, COMPOSITION: SAME AS A051E	EA	REF								-15 5-37	R2	
			59056832236					D	G307	RESISTOR, FIXED, COMPOSITION: SAME AS A221	EA	REF								-15 5-37	R20	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T E N A N C E C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTGNCY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				MODEL	IND	(A)	(B)	(C)	(A)				(B)	(C)	(A)	(B)	(C)	(A)			(B)	(C)
1	2	3	4	5	6	CD																
			59056832236					D	G308	RESISTOR, FIXED, COMPOSITION: SAME AS A22 1	EA	REF								-15 5-37	R26	
			59056832236					D	G309	RESISTOR, FIXED, COMPOSITION: SAME AS A221	EA	REF								-15 5-37	R27	
			59056832236					D	G310	RESISTOR, FIXED, COMPOSITION: SAME AS A221	EA	REF								-15 5-37	R28	
			59056910195					D	G311	RESISTOR, FIXED, COMPOSITION: SAME AS A198	EA	REF								-15 5-37	R29	
P	D		59056837721					D	G312	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF101J	EA	3							9	-15 5-37	R13	
			59056837721					D	G313	RESISTOR, FIXED, COMPOSITION: SAME AS G312	EA	REF								-15 5-37	R21	
			59056837721					D	G314	RESISTOR, FIXED, COMPOSITION: SAME AS G312	EA	REF								-15 5-37	R23	
			59056870000					D	G315	RESISTOR, FIXED, COMPOSITION: SAME AS A219	EA	REF								-15 5-37	R4	
			59057235251					D	G316	RESISTOR, FIXED, COMPOSITION: SAME AS A074	EA	REF								-15 5-37	R9	
P	D		59057210597					D	G317	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF 243J	EA	1							3	-15 5-37	R18	

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(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6																		
P	D		59056870000						D	G317A	RESISTOR, FIXED, COMPOSITION: SAME AS A219	EA											-15 5-37	R18			
			59056832242						D	G317B	RESISTOR, FIXED, COMPOSITION: SAME AS D059A	EA												-15 5-37	R18		
			59056870002							D	G317C	RESISTOR, FIXED, COMPOSITION: SAME AS A794	EA												-15 5-37	R18	
			59056863838							D	G317D	RESISTOR, FIXE D, COMPOSITION: 81349; RC07GF273J	EA		1							3				-15 5-37	R18
			59056832246							D	G318	RESISTOR, FIXED, COMPOSITION: SAME AS A234	EA													-15 5-37	R6

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE										(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						IND CD	DESCRIPTION	UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)			
				MODEL											(A) 1-5	(B) 6-10	(C) 11-20	(A) 1-5	(B) 6-10	(C) 11-20			(A) FIG. NO.	(B) ITEM NO. OR REF DESIGN			
				1	2	3	4	5	6																		
P	D		59056870002						D	G319	RESISTOR, FIXED, COMPOSITION: SAME AS A794	EA												-15 5-37	R10		
			59056832240						D	G320	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF221J	EA		1							3				-15 5-37	R22	
			5905686379 8						D	G321	RESISTOR, FIXED, COMPOSITION: SAME AS A200	EA													-15 5-37	R16	
			59056863798						D	G322	RESISTOR, FIXED, COMPOSITION: SAME AS A200	EA														-15 5-37	R17
			59056816462						D	G323	RESISTOR, FIXED, COMPOSITION: SAME AS A204	EA														-15 5-37	R1
			59056832238						D	G324	RESISTOR, FIXED, COMPOSITION: SAME AS A170	EA														-15 5-37	R11
			59057264413						D	G325	RESISTOR, FIXED, COMPOSITIO N: 81349; RC07GF123J	EA		1								3				-15 5-37	R8
			59056863370						D	G326	RESISTOR, FIXED, COMPOSITION: 81349; RC07GF202J	EA		1								3				-15 5-37	R33
			59056824098						D	G327	RESISTOR, FIXED, COMPOSITION: SAME AS A831	EA														-15 5-37	R31
59058018272						D	G328	RESISTOR, FIXED, COMPOSITION: SAME AS A832	EA														-15 5-37	R32			
59619262569						D	G329	TRANSISTOR: SAME AS A920	EA														-15 5-37	Q4			

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)				
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)		
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN		
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20			
P	D		59619262569						D	G330	TRANSISTOR: SAME AS A920	EA	REF								10	-15		
			59610507499						D	G331	TRANSISTOR, SAME AS A324	EA	REF									-15	Q7	
			59610507499						D	G332	TRANSISTOR: SAME AS A324	EA	REF									-15	Q1	
			59610507499						D	G333	TRANSISTOR: SAME AS A324	EA	REF									-15	Q2	
			59610507499						D	G334	TRANSISTOR: SAME AS A324	EA	REF									-15	Q3	
			59618518293						D	G335	TRANSISTOR: 80131; JAN2N1041	EA	2	REF									-15	Q8
			59618518293						D	G336	TRANSISTOR: SAME AS G335	EA	REF									-15	Q5	
			59709564972						D	G337	INSULATOR, DISK: SAME AS A373	EA	REF									-15	Q6	
			59351025690						C	G338	CONNECTOR, RECEPTACLE ELECTRICAL: SAME AS C331	EA	REF									-15	H1	
									C	G339	KEY, POLARIZATION: SAME AS C343	EA	REF									-15	10	
			53050546 652						*	G340	SCREW, MACHINE: SAME AS A951 M	EA	REF									-15	10.1	
			53109296395						*	G341	WASHER, LOCK: SAME AS A953	EA	REF									-15	7	
			53106389857						*	G342	WASHER, FLAT: SAME AS A952	EA	REF									-15	9	
									C	G343	CLAMP, CABLE: SAME AS E163A	EA	REF									-15	8	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)			
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCV PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)	
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN	
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20		
P	H		53109349759						*	G344	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF								2	-15	1
			53109338119						*	G345	WASHER, LOCK: SAME AS A959	EA	REF									-15	2
			53105586207						*	G346	WASHER, FLAT: SAME AS A959A	EA	REF									-15	3
			66450898842						C	G347	METER, TIMING: 74400; M5659	EA	1	*	*	*	*	*	*			-15	15
			53050546654						*	G348	SCREW, MACHINE: SAME AS C373 M	EA	REF									-15	11
			53109296395						*	G349	WASHER, LOCK: SAME AS A953	EA	REF									-15	13
			53106389857						*	G350	WASHER, FLAT: SAME AS A952	EA	REF									-15	14
			53109349761						*	G351	NUT, PLAIN, HEXAGON: SAME AS A965	EA	REF									-15	12
									C	G352	COVER, RELAY: 06809; 01-002883-2	EA	1									-15	19
			53254219958						D	G353	GROMMET, PLASTIC: 95987; WG-201	EA	1	*	*	*	*	*	*		3	-15	26, 27
			53050546652						*	G354	SCREW, MACHINE: SAME AS A951 M	EA	REF									-15	17
			53106389857						*	G355	WASHER, FLAT: SAME AS A952	EA	REF									-15	18
			74404518256						C	G356	RELAY: 24211; GB7200-4	EA	2	*	*	*	*	*	*		4	-15	22
			53050546654						*	G357	SCREW, MACHINE: SAME AS C373 M	EA	REF									-15	20

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53106389857					*	G358	WASHER, FLAT: SAME AS A952	EA	REF								-15		
			74404518256					C	G359	RELAY: SAME AS G356	EA	REF								4-19	21	
			53050546654					*	G360	SC7REW, MACHINE : SAME AS G373 M	EA	REF								4-19	22	
			53106389857					*	G361	WASHER, FLAT: SAME AS A952	EA	REF								4-19	20	
X2	H							C	G362	CABLE ASSEMBLY: 06809; 00-001585-2	EA	1								4-19	21	
P	H		59351033988					D	G363	RECEPTACLE, TERMINAL: 00779; 60524-3	EA	47	*	*	*	*	*	*	94	-15	4-19.2	25
P	H		59405571629					D	G364	LUG, TERMINAL: 96906; MS25036-149	EA	15	*	*	*	*	*	*	30	-15	4-19.2	16
P	H		59402048966					D	G365	LUG, TERMINAL: 96906; MS25036-102	EA	22	*	*	*	*	*	*	44	-15	4-19.2	17
P	H		59407634596					D	G366	RECEPTACLE, SPADE: 00779; 61370-1	EA	2	*	*	*	*	*	*	4	-15	4-19.2	18
X2	H							D	G367	POD, INSULATION: 00779; 1-480416-0	EA	2								-15	4-19.2	19
P	H		59401434771					D	G368	LUG, TERMINAL: 96906; MS25036-103	EA	6	*	*	*	*	*	*	12	-15	4-19.2	20
			59357210496					D	G369	CONNECTOR, RECEPTACLE ELECTRICAL: SAME AS C389 M	EA	REF								-15	4-19.2	21
P	H		59357264525					D	G370	CONNECTOR: 71468; CA06R22-14S	EA	1	*	*	*	*	*	*	2	-15	4-19.2	25
P	H		59406632125					D	G371	BUSHING: 88044; AN3420-10	EA	1	*	*	*	*	*	*	3	-15	4-19.2	26
																				4-19.2	27	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) SITE STOCKAGE ALLOWANCE			(8) 45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			(9) 1-YEAR ALW PER 100 EQUIP. CNTG CY PLAN	(10) DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	H		59401416944					D	G372	BUSHING: 88044; AN3420-8	EA	1	*	*	*	*	*	*	3	-15	4-19.2	28
			59754972158					D	G373	STRAP, LINE SUPPORT: SAME AS B115	EA	REF								-15	4-19.2	35
								D	G374	NAMEPLATE: SAME AS B114	EA	REF								-15	4-19.2	36
			59351025806					D	G375	CONTACT, ELECTRICAL: SAME AS B112	EA	REF								-15	4-19.2	40
								C	G376	CLAMP, CABLE: SAME AS B612	EA	REF								-15	4-19	5
			53109349759					*	G377	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF								-15	4-19	1
			53109338119					*	G378	WASHER, LOCK: SAME AS A959	EA	REF								-15	4-19	2
			53105586207					*	G379	WASHER, FLAT: SAME AS A959A	EA	REF								-15	4-19	3
			53109349759					*	G380	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF								-15	4-19	1
			53109338119					*	G381	WASHER, LOCK: SAME AS A959	EA	REF								-15	4-19	2
			53105586207					*	0382	WASHER, FLAT: SAME AS A959A	EA	REF								-15	4-19	3
X2	H							C	G383	STANDOFF, INSULATOR: 06809; 04-001393	EA	5								-15	4-19	6
			53109349759					*	G384	NUT, PLAIN, HEXAGON: SAME AS A960	EA	REF								-15	4-19	1
			53109338119					*	G385	WASHER, LOCK: SAME AS A959	EA	REF								-15	4-19	2

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53105586207					*	G386	WASHER, FLAT: SAME AS A959A	EA	REF									-15	
P	H		59309132983					C	G387	SWITCH, TOGGLE: 96906; MS90311-231	EA	1	*	*	*	*	*	*		5	-15	3
P	H		59306551582					C	G388	SWITCH, TOGGLE: 96906; MS35059-23	EA	2	*	*	*	*	*	*		10	-15	23
			59306551582					C	G389	SWITCH, TOGGLE: SAME AS G388	EA	REF									-15	24
P	H		59108818268					C	G390	CAPACITOR, PAPER: 81349; CP09A1KF474K3	EA	2	*	*	*	*	*	*		6	-15	24
			59108818268					C	G391	CAPACITOR, PAPER: SAME AS 0390	EA	REF									-15	28
X2	H		59400680745					C	G392	STANDOFF, INSULATOR: 06809; 540027-006	EA	4									-15	28
			53050546650					*	G393	SCREW, MACHINE: SAME AS C942 M	EA	REF									-15	31
			53109296395					*	G394	WASHER, LOCK: SAME AS A953	EA	REF									-15	29
			59400680745					C	G395	STANDOFF, INSULATOR: SAME AS G392	EA	REF									-15	30
			53050546650					*	G396	SCREW, MACHINE: SAME AS C942 M	EA	REF									-15	31
			53109296395					*	G397	WASHER, LOCK: SAME AS A953	EA	REF									-15	29
			59400680745					C	G398	STANDOFF, INSULATOR: SAME AS G392	EA	REF									-15	30
			53050546655					*	G399	SCREW, MACHINE: SAME AS C324 M	EA	REF									-15	39
											EA	REF									-15	34

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	(30 DAYS) SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGCY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53109296395					*	G400	WASHER, LOCK: SAME AS A953	EA	REF									-15	
P	H		53100312668					C	G401	WASHER, FIBER: 58189; 540911-13	EA	6	*	*	*	*	*	*		12	-15	36
			59400680745					C	G402	STANDOFF, INSULATOR: SAME AS G392	EA	REF									-15	37
			53050546655					*	G403	SCREW, MACHINE: SAME AS 0324 M	EA	REF									-15	39
			53109296395					*	G404	WASHER, LOCK: SAME AS A953	EA	REF									-15	34
								C	G405	WASHER, FIBER: SAME AS G401	EA	REF									-15	36
P	H	R	74400258824					C	G406	CIRCUIT CARD ASSEMBLY: 06809; 12-890129-1	EA	1	*	*	*	*	*	*		25	-15	37
X1	H							D	G407	PRINTED CIRCUIT BOARD: 06809; 12-870129	EA	1									-15	38
X2	H							D	G408	TERMINAL: 80063; SMB546534	EA	4									-15	40
								D	G409	TERMINAL: SAME AS G408	EA	REF									-15	42
								D	G410	TERMINAL: SAME AS G408	EA	REF									-15	42
								D	G411	TERMINAL: SAME AS G408	EA	REF									-15	42
P	H		59059518105					D	G412	RESISTOR, FIXED: 81349; RW67V270	EA	1	*	*	*	*	*	*		5	-15	42
			59610888792					D	G413	SEMI-CONDUCTOR DEVICE, DIODE: SAME AS D520 M	EA	REF									-15	43
											EA	REF									-15	41

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
P	H		59619881240					D	G414	TRANSISTOR: 81349; JAN2N1485	EA	1	*	*	*	*	*	*	5	-15		
			59754972158					B	G415	STRAP, LINE SUPPORT: SAME AS B115	EA	REF								4-19	44	
M	H							B	G416	NAMEPLATE: 06809; 01-002980-1	EA	1								4-10	131	
			53050545651					*	G417	SCREW, MACHINE: SAME AS C377 M	EA	REF								4-10	132	
			53105956425					*	G418	WASHER, FLAT: SAME AS C284	EA	REF								4-10	134	
			53109338118					*	G419	WASHER, LOCK, SPLIT: SAME AS B113F	EA	REF								4-10	138	
P	H		53109349748					*	G420	NUT, HEX: 96906; MS35649-244	EA	5	*	*	*	*	*	*	10	-15	137	
X2	H							B	G421	CONNECTOR, MOUNTING BRACKET: 06809; 01-002906-1	EA	1								4-10	136	
			53050593659					*	G422	SCREW, MACHINE: SAME AS B135	EA	REF								-15	128	
			53109338120					*	G423	WASHER, LOCK: SAME AS A938	EA	REF								4-10	123	
			53101670812					*	G424	WASHER, FIAT: SAME AS A939	EA	REF								4-10	125	
			53405980383					B	G425	CABLE, CLAMP: SAME AS D597	EA	REF								4-10	124	
P	H		53057680336					*	G426	SCREW, FLAT HEAD: 96906; MS51959-17	EA	1	*	*	*	*	*	*	2	-15	139	
			53109338118					*	G427	WASHER, LOCK, SPLIT: SAME AS B113F	EA	REF								4-10	135	
																				4-10	137	

(1)			REPAIR PARTS FOR ON-SITE, AREA RESUPPLY, AND DEPOT MAINTENANCE						(4)	(5)	(6)	(7)			(8)			(9)	(10)	(11)		
(A) S O U R C E C D	(B) M A I N T C D	(C) R E C O D E	(2) FEDERAL STOCK NUMBER	(3)						UNIT OF ISSUE	QTY INC IN UN PK	QTY INC IN UNIT	SITE STOCKAGE ALLOWANCE			45 DAY AREA RESUPPLY ALLOW BASED ON NO. EQUIPMENT SUPPORTED			1-YEAR ALW PER 100 EQUIP. CNTGKY PLAN	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
				DESCRIPTION									(A)	(B)	(C)	(A)	(B)	(C)			FIG. NO.	ITEM NO. OR REF DESIGN
				1	2	3	4	5	6				IND CD	1-5	6-10	11-20	1-5	6-10			11-20	
			53105956425					*	G428	WASHER, FLAT: SAME AS C284	EA	REF								-15	138	
			53109349748					*	G429	NUT, HEXAGON: SAME AS G420	EA	REF								4-10	136	
P	H		53402570038					B	G430	CLAMP, CABLE: 71616; CPC1953-2A	EA	2	*	*	*	*	*	*	4	-15	130	
			53050593659					*	G431	SCREW, MACHINE: SAME AS B135	EA	REF								4-10	123	
			53101670812					*	G432	WASHER, FLAT: SAME AS A939	EA	REF								4-10	124	
P	H		53404395246					B	G433	CLAMP, CABLE: 71616; CPC1953-12B	EA	2	*	*	*	*	*	*	4	-15	129	
			53050593659					*	G434	SCREW, MACHINE: SAME AS B135	EA	REF								4-10	123	
			53101670812					*	G435	WASHER, FLAT; SAME AS A939	EA	REF								4-10	124	
P	H		53409058225					B	G436	CLAMP, CABLE: 71616; CPC1953-16B	EA	2	*	*	*	*	*	*	4	-15	133	
								B	G437	STANDOFF, INSULATOR: SAME AS G383	EA	REF								4-10	140	

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RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

 <p style="font-size: small; margin: 0;"><i>THEN...JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL.</i></p>		SOMETHING WRONG WITH PUBLICATION	
		FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)	
		DATE SENT	
PUBLICATION NUMBER		PUBLICATION DATE	PUBLICATION TITLE
IN THIS SPACE, TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT.			
BE EXACT PIN-POINT WHERE IT IS			
PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.
PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER		SIGN HERE	

The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigrams = .035 ounce
 1 decagram = 10 grams = .35 ounce
 1 hectogram = 10 decagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

<i>To change</i>	<i>To</i>	<i>Multiply by</i>	<i>To change</i>	<i>To</i>	<i>Multiply by</i>
inches	centimeters	2.540	ounce-inches	Newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	Newton-meters	1.356	metric tons	short tons	1.102
pound-inches	Newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
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