

TECHNICAL MANUAL

**DIRECT SUPPORT, GENERAL SUPPORT,
AND DEPOT MAINTENANCE
MANUAL**

Including Repair Parts and Special Tools List

CAMERA, STILL PICTURE

KA-60C

**This copy is a reprint which includes current
pages from Changes 1 through 3.**

WARNING

HIGH VOLTAGE

**is used
in this equipment**

DEATH ON CONTACT

**may result if safety precautions
are not observed**

DO NOT TAKE CHANCES!

TECHNICAL MANUAL

No. 11-672-242

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WASHINGTON, D. C., 30 October 1970

DS, GS, and Depot Maintenance Manual

Including Repair Parts and Special Tools Lists

CAMERA, STILL PICTURE KA60C

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CHAPTER 1

INTRODUCTION

1-1. Scope

a. This manual covers direct support, general support and depot maintenance for Camera, Still Picture KA-60C (camera). It includes instructions for direct support, general support, and depot maintenance personnel for testing, troubleshooting, repairing, and aligning the equipment, replacing maintenance parts, and replacing specified maintenance parts. Block and schematic diagrams are located throughout the manual to support the instructions. Lists of tools, materials, and test equipment for direct support, general support, and depot maintenance are included. Detailed functions of the equipment and circuit analysis are covered.

b. The complete technical manual for this equipment includes TM 11-6720-242-12.

c. Repair Parts and Special Tools List (app B) is current as of 5 April 1973.

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. Reporting of Equipment Publication Improvements

The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Command, US Army Electronics Command, ATTN: AMSEL-MA-S, Fort Monmouth, NJ 07703.

NOTE

For applicable forms and records, see paragraph 1-3, TM 11-6720-242-12.

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CHAPTER 2

FUNCTIONING

2-1. Functioning of Camera

(fig. 6-10)

a. General. The function of the camera is to take panoramic, reconnaissance photographs from high speed, low flying aircraft. The camera may be mounted in an aircraft with the lens positioned to face either vertically downward or in a forward oblique direction at a 20-degree angle of depression. In either mounting, the ground beneath the aircraft is photographed sequentially from horizon to horizon, with a 60-percent overlap. Image motion compensation (imc) is provided to offset the blurring effects of the aircraft flight. Correct film exposure is maintained by an automatic exposure control (aec) circuit. The operational modes are autcycle and pulse. The changeover to either mode of operation is determined by an E V/H voltage (the ratio of ground speed (V) and altitude (H) to voltage (E)) generated by the aircraft equipment.

b. Major Photographic Components (fig. 214). The optical system includes the following components:

(1) A 3 inch, 75mm, f/2.8 lens assembly.

(2) A double-dove prism which rotates in front of the lens on an axis parallel to the direction of flight.

(3) A focal plate having an exposure slit which is automatically adjusted via the shutter blade, to vary the slit width.

(4) A variable aperture which operates in association with the shutter blade.

(5) An automatic exposure control (aec). (A servo system which positions the shutter blade and the aperture.)

(6) Image motion compensation (imc). (A device which moves the lens back and forth parallel to the exposure slit. The action is limited to vertically mounted cameras and to the autcycle mode of operation).

c. Camera Operation. The autcycle or pulse mode of operation is determined by an E V/H signal voltage which is generated by the aircraft equipment. Optical scan rates are derived from

this signal as the cycling rate must be proportion to the height above the terrain to photograph the entire line of flight with a 60-percent overlap. In autcycle mode the cycling rates start above 1 cycle per second and are continuously variable to 8.5 cycles per second. In the pulse mode the camera operates 1 cycle every 4.5 seconds up to 1 cycle per second above which it automatically switches into the autcycle mode.

d. Photography (fig. 2-14). Pictures are taken by rotating the double-dove prism in front of the lens and by simultaneously advancing the film past the slit (shutter) in the focal plate. The film advance and the prism rotation are synchronized to paint the image on the film as the prism scans a 90-degree angle from horizon to horizon.

(1) The mirror effect of the prism's doubledove is an angular displacement which produces an optical scan angle of 180 degrees. Before starting a 90-degree photographic scan the prism rotates through a 45-degree acceleration angle. Following the 90-degree photographic scan the prism then rotates through a 45-degree deceleration angle. In one cycle the prism and a lift cam both rotate 180 degrees.

(2) A continuously rotating rubber covered cylinder (puck) advances the film past the slit in the focal plate coordinately with the 90-degree scan angle of the prism by the operation of a pressure roller which is actuated by the lift cam which is rotating in synchronism with the prism. Immediately following the 45-degree acceleration rotation of the prism, the pressure roller is made to press the film into frictional contact with the puck by the lift cam. Upon completion of the 90-degree scan angle of the prism, the pressure roller is no longer actuated by the lift cam and film advance ceases. Film velocity at the focal plate is 19 inches per second at 1 cycle per second. The velocity is a product of scan rate and focal length. Photography is continuous until the end of film is reached, the film breaks, or the equipment is turned off. However, single pictures may be taken between pulses with the OPERATE switch set to OFF, if the camera is oper-

ating in the pulse mode and the POWRER switch is set to ON. Shutter speeds from 1/1,100 to 1/8500 per second are a function of the velocity of film advance and the width of the exposure slit.

e. E V/H Ratio Range. The cycling rate for a camera mounted in the forward-oblique position is scaled by a factor of 3.5:1. relative to the vertical cycling rate for a given E V/H signal. The factor is derived from the 20-percent angle of the principal ray and format overlap of 60 percent. The total E V,H range is 0.04 to 1.5 knots per foot. Operation in the autocycle mode is from 0.177 to 1.5 knots per foot. For a 60-percent overlap below an E V/H range of 0.177 knots per foot, the camera automatically switches to the pulse mode.

f. Resolving Power. Line weighted average resolution (LWAPR) is not less than 45 lines per millimeter when tested with Aerecon Plus X film and using a standard Air Force contrast test target in accordance with MIL-STD-150. Resolution (dynamic) is 22 lines per millimeter on axis coverage throughout the format and with a cycling rate of 2 cycles per second at a 1/2000th second exposure.

g. Block Diagram Discussion.

(1) As shown on the overall block diagram (fig. 6-10), the scan drive control consists of the scan motor, feedback tachometer with network, amplifiers, scan control relay and a gear train which drives the body and magazine mechanisms (fig. 2-6). The purpose of the scan drive is to operate the drive mechanism in order to photograph at continuously variable rates from one picture per second to eight and one-half pictures per second. The cycling rate is controlled by a V/H input signal which is selected by the V/H SEI, switch sealed by the CAMIERA SEL switch through the V/H inhibiting and scaling amplifier and controlled by the mode and operate relays before being applied to the scan drive amplifier. This command signal controls the output of the scan drive amplifier and thereby the speed of the scan motor. The command signal is compared to the tachometer signal to determine whether acceleration or deceleration of the scan motor is required. If deceleration is required the dynamic braking circuit closes the loop causing the braking current to flow through the armature of the scan motor until the required speed of the system is attained. The output of the scan drive amplifier passes through the scan control relay, which is controlled by the operate relay through a relay driver, thence through the servo amplifier, the output power drive and to the scan motor.

(2) The camera is capable of operating in two modes, autocycle and pulse. In the autocycle mode, the camera operates at various cycling rates over one cycle per second. When the V/H ratio drops below one cycle per second the crossover network automatically switches the camera to the pulse mode through the mode relay. In the pulse mode, the proper pulse rate is generated by the Intervalometer network which automatically cycles the camera at the fractional rates corresponding to the V/H signal. This is accomplished by adding a fixed signal (2 cps rate) to the scan drive amplifier and controlling the pulse rate to the scan control relay. The Intervalometer pulse, through the relay driver, energizes the coil of the scan control relay to start the picture scan and the puck switch deenergize the coil through the relay driver to complete the picture scan. Every time an exposure is made, the puck switch is close: and a ground signal is momentarily applied to the scan control relay and the puck switch driver network. In turn the driver network operates the FRAMES REMAINING and OPERATE indicators and provides the annotation signal to the pulse transformer network. The transformer network provides the high/low pulse to the external airborne data annotation system. The EXTRA PICTURE switch will cause the camera to expose a single frame during the pulse mode by applying an independent pulse to the relay driver each time the switch is depressed.

(3) Image motion compensation (imc) is incorporated into the camera so that the lens is moved along the line of flight during exposure. IMC is used only in the vertical position and only in the autocycle mode. Switching through the CAMERA SEL switch, mode relay, and operate relay provides the required signal to the solenoid driver which energizes the TIMC clutch solenoid thus causing the time mechanism to function.

(4) The automatic exposure control (aec) assures that a constant level of exposure is maintained over a broad range of picture taking conditions. The variables affecting exposure are terrain brightness, camera cycling rate, and film speed (aei). The camera controls the level of exposure by varying the width of the slit, through which the object is photographed, and by controlling the opening of the diaphragm. Thus the slit width and the diaphragm opening are combined to produce a total effective opening. The feedback potentiometer, coupled to the aec mechanism, is driven proportionately to this effective opening. A voltage proportional to the

scan rate is applied to the log amplifier and the photocell amplifier from the bias network which receives its V/H signal from the operate relay. The output of the photocell is applied to the differential amplifier simultaneously with outputs from the log amplifier, photocell amplifier, and the aei networks. The photocell is a photosensitive resistor and is arranged in a voltage divider network where its resistance varies in inverse proportion to the terrain brightness. The output from the photocell and its associated networks are compared with the voltage from the aec feedback potentiometer. The difference or error voltage is amplified and converted to an ac signal which is applied to the aec servo amplifier. The servo amplifier drives the aec motor which through a gear train reduction drives the arm of the feedback potentiometer until the error is nulled and the proper slit width and diaphragm opening combination is attained. Therefore, in taking a photograph, the exposure level is directly proportional to the light level of the object, the length of time that the object is imaged on the film and the speed of the film (aei).

(5) The power flow for the system is controlled by the POWER switch. In the ON position the switch permits the live power to flow through the circuit breakers to the power supply and voltage regulator. The POWER lamp is illuminated when the POWER switch is ON and power is present.

(6) The OPERATE switch initiates the functional operation of the system by energizing the coil of the operate relay. A delay circuit is used in conjunction with the operate relay in order to provide a delayed turn-off to the scan drive circuit. The OPERATE lamp flashes once during each picture cycle or will light continuously to indicate that the film supply has been exhausted.

(7) The end of film switch is placed in the film path and is controlled by the film pressure mechanism. Hence, if the film runs out or breaks, the end of film switch opens and the +22 volt regulated control voltage to the scan control relay is removed causing the scan motor to stop. When the end of film switch is open, the control voltage (+22 vdc) is fed back to the OPERATE lamp to indicate the end of film supply or film breakage.

(8) The recording head assembly (rha), housed in the camera, receives its coded information from the aircraft. This information is then applied photographically to the film.

(9) All of the incoming voltages and signals to the camera pass through the EMI filter.

2-2. Functioning of Body

(fig. 6-11)

The body contains all the optical components (para 2-6) of the camera and the mechanisms by which the film transport and exposure (para 27), image motion compensation (para 2-8), and drive mechanisms (para 2-9) are made to function. In addition, the body houses a lens and mirror assembly and a recording head assembly (fig. 2-13) by which coded information is photographically recorded on the film as part of the aircraft's auxiliary data annotation system (adas).

a. The optical components include a 3 inch f/ 2.8 lens assembly. The lens is installed below a focal plate having a variable slit (shutter). A double-dove prism driven by the scan motor (fig. 2-6) rotates in front of the lens on an axis parallel to both the slit and the line of flight (fig. 214). Refer to paragraph 2-6 for a functional description of the optics system.

b. The adjustable components of the automatic exposure control system (aec) are an aperture assembly and the moveable section of the slit in the focal plate. The motor in the servo system adjusts the width of the slit, the opening of the aperture, and the positioning of a feedback potentiometer. The electronic circuits include a photocell assembly that is mounted adjacent to the prism. The balance of the electronic parts are mounted on the aec assembly, which is installed in the camera control. Refer to paragraph 2-7 for a functional description of automatic exposure control operation.

c. The scan drive system consists of a dc drive motor, a dc tachometer-generator with a tachometer card assembly (fig. 6-11) and the drive mechanism which drives the prism, the image motion compensation (imc) mechanism, the puck and sprockets of the film transporting system, and the operation of the puck switch (fig. 2-6).

The parts comprising the electrical circuits are board mounted and installed in the camera control. Refer to paragraph 2-10 for a functional description of the scan drive circuit.

d. The imc mechanism is a shaft assembly which includes a cam, drag brake, coupling, and spur gear. It is positioned below the lens carriage and mounted with the cam inserted into a cam follower on the carriage. The coupling and the rotating spur gear are brought into engage-

ment by a solenoid and lever device. Refer to paragraph 2-8 for a functional description of imc operation.

e. The puck, a rubber covered rotating disk, driven continuously by the scan motor, transports the film one frame in each scan cycle. The action of the pressure roller against or away from the continuously rotating puck causes the film, which is sandwiched between the two, to advance or stop (fig. 2-14).

f. The puck switch (a pressure sensitive switch), which actuates the scan control relay K1, the frames remaining counter circuit, and the flashing of the OPERATE indicator is opened and closed by the timing cam once in each camera cycle, in synchronism with the rotation of the prism and transport of the film (para 2-3a).

g. The lens and mirror assembly of the auxiliary data annotation system (adas) is so mounted that it projects the coded data from the recording head assembly (rha) through an opening in the focal plane plate and onto the film, where it is photographically recorded (fig. 2-13).

h. The two electrical connectors, 1J1 and 1J2 accommodate the connectors of cables W3 and W4, respectively. The adas is connected to the body through connector 1J2. Connector 1J1 accommodates cable W3 which terminates in connector 2J1 of the camera control.

2-3. Functioning of Magazine

(fig. 2-6)

The magazine contains separate light-proof compartments for the film supply and takeup spools. Latched light-proof covers provide access to each compartment. Access to the mechanism that advances the film is made by removing the magazine from the body.

a. Film from the supply spool (52) is advanced intermittently in frame lengths across the slit in the camera's focal plate by the action of a cam operated pressure roller (3'5) which brings the film into contact with a continuously rotating rubber covered puck (31) located in the body. The film advance and the cam (lift cam) (28) rotation are synchronous with the rotation of the prism (22). The lobes of the lift cam are designed so that the pressure roller is prevented from coming into engagement with the film until the first 45 degrees of prism rotation has been completed. At this time, the pressure roller is brought into position where it applies pressure on the film, which is sandwiched between the

pressure roller and the puck. Film is now advanced at a rate which is synchronous with the optical scan rate and continues for that interval in which the prism rotates through its 90-degree scan angle. Upon completion of the 90-degree scan, the lift cam returns the pressure roller to its original position and film advance ceases. The cam follower (36) rides on the lobe of the lift cam for another 45 degrees while the film advance is stopped. An adjustment screw (55) on the pressure roller assembly pushes against and causes one end of a pivoted rocker arm (37) to move upward. The other end of the rocker arm moves downward and pushes the adas pressure plate (38) against the momentarily stopped film, at which time the coded information from the rha is exposed on the film.

b. The takeup spool (51) and the takeup sprockets (41) and supply sprockets (42) are driven from the scan motor (1) through a gear and belt train (para 2-9b) in the magazine. When the magazine is installed on the body, the train is coupled to the scan drive by the missing of the magazine input gear (13) with the linkage gear (12) in the body.

c. A clutch (48) on the takeup keyed shaft and a brake (49) on the supply keyed shaft plus the takeup (56) and supply (57) keeper rollers insure a tight film wrap in the takeup spool. The driven sprockets (41 and 42) make film travel uniform by engaging the perforations of the film.

2-4. Functioning of Camera Control

a. The camera control (fig. 3-8) serves primarily as the housing unit for the various electronic circuits which generate and control signal and power voltages throughout the camera. A printed circuit interconnecting board (fig. 6-18) provides the mating connectors for the plug-in aec board (fig. 6-15), control board (fig. 6-14), and the scan drive board (fig. 6-16). A series of resistors, R1 through R7, mounted on the interconnecting board provide for the appropriate exposure index (aei) of various types of films and are selected as follows:

AEI of film	Connector J8	to	Connector J8
20	----- pin 8	-----	pin 13
40	----- pin 8	-----	pin 12
60	----- pin 8	-----	pin 11
80	----- pin 8	-----	pin 10
100	----- pin 8	-----	pin M
125	----- pin 8	-----	pin K
200	----- pin 8	-----	pin S

b. The heat sink assembly, located at the top of the camera control, provides the voltage for the operation of the scan motor B1 (fig. 6-16). The power supply, located at the bottom of the camera control, provides various voltages used throughout the camera (para 2-16a). The circuit breakers CB1 and CB2, located on the front panel of the camera control, protect the dc (CB1, 1 1/2 amp.) and ac (CB2, 3 amp.) inputs to the camera.

c. Three electrical connectors on the front panel of the camera control provide cable connections to the body (2J1), control panel (2J2), and the test set (2J3).

2-5. Functioning of Control Panel

The control panel is a separate mounted assembly which contains the controls and indicators of the camera system. The control signals, generated in the control panel, are the power signal, operate signal, extra picture signal, and the various V/H and mode signals. The visual indicators on the edge-lighted panel are used to functionally monitor the operation of the camera system. The external indicators and their functions are as follows:

a. POWER Switch. The Power switch supplies incoming power to the camera system, placing the camera in a ready mode.

b. V/H SEL Switch. The V/H SEL switch selects the v/h input for the camera system from the manual v/h or from an automatic v/h command signal.

c. OPERATE Switch. The OPERATE switch controls the camera system. It completes the scan drive circuit and initiates functional operation of the camera.

d. EXTRA PICTURE Switch. The EXTRA PICTURE switch causes the camera to expose a single frame each time the switch is depressed when the POWER switch is set to ON.

e. CAMERA SEL Switch. The CAMERA SEL switch selects the v/h scaling required for either a forward oblique mounted camera or a vertically mounted camera. It locks out imc in the forward oblique mounted camera.

f. FRAMES REMAINING Counter. The FRAMES REMAINING counter indicates the number of frames remaining in the camera.

g. POWER Lamp. The POWER lamp illuminates when the POWER switch is set to ON thus indicating the presence of +28vdc. When pressed, it indicates the presence of 115vac 400Hz.

h. OPERATE Lamp. The OPERATE lamp flashes once during each camera cycle. It will light continuously to indicate that the film supply has been exhausted or the film torn. When pressed, it indicates the presence of +22vdc regulated. Internally the control panel contains the following:

i. Interface Board Assembly. The interface board assembly (fig. 2-12) provides the circuitry for the +22vdc regulated power supply, frames remaining indicator and fail safe pulse generator, annotation pulse circuit, imc signal driver, and several test circuits.

j. Filter FL1. Both the incoming and outgoing voltages pass through and are filtered by the radio interference filter FL1. The input voltages from the aircraft are applied to FL1 through connector 3J1 located at the rear of the control panel.

k. Connector 3J2. Connector 3J2 connects the control panel to the camera control.

2-6. Functioning of Optics System

The optical system, located in the body, consists of two separate functions: the prime photographic components (lens and prism) (fig. 2-14) and a lens and mirror assembly that projects data from the recording head assembly (rha) of the data annotation system (adas), of the aircraft, for photographic recording on the film (fig. 2-13).

a. A 3 inch f/2.8 lens, an aperture consisting of automatically positioned diaphragm blades and portions of the mechanisms which control automatic exposure control (aec) and image motion compensation (imc) are mounted on a carriage assembly below the focal plane of the camera (fig. 3-3). A double-dove prism is rotated in front of the lens on an axis parallel to the line of flight and the film is advanced across a narrow slit (shutter), which is also oriented parallel to the line of flight.

b. In one cycle, the prism is rotated 180 degrees. Before the start of its photographic scan, the prism is rotated through a 45-degree acceleration angle. A 90-degree rotational angle then follows to scan the 180 degrees required for photography. A 45-degree deceleration angle completes the 180-degree prism cycle.

c. The advancement of the film across the narrow slit (shutter) is in synchronism with the prism rotation. The film lies above a continuously rotating rubber covered cylinder (puck) and it is brought into frictional engagement with the puck intermittently by the pressure

roller. The pressure roller is actuated (via a gear and belt train) by a capping cam that is rotated in synchronism with the prism (fig. 2-6). When the prism has rotated through its 45-degree acceleration angle, the pressure roller presses the film against the rotating puck and causes film advance until the 90-degree scanning angle of the prism is completed (fig. 2-14).

d. Shutter speed is a function of film travel and the variable width of the slit in the focal plate. Relative shutter speeds from 1/100 second to 1/8000 second are attainable with this arrangement.

e. Automatic exposure control (aec) varies the width of the slit and the area of the aperture opening. A complete description of aec functioning is contained in paragraph 2-7.

f. Image motion compensation (imc) moves the lens back and forth parallel with the slit. A complete description of time functioning is contained in paragraph 2-8.

g. The adas components in the body include a lens and mirror assembly consisting of a 1 inch f./2.0 lens, two mirrors, and the rha (fig. 2-13). The lens and mirror arrangement projects the coded image to the film for photographic recording. A complete description of adas functioning is contained in paragraph 2-14.

2-7. Functioning of Automatic Exposure Control

(fig. 6-13)

Automatic exposure control (aec) adjusts both the width of the exposure slit in the focal plate and the opening or closing of an aperture which is located between the front and back lens elements. A V/I signal generated by aircraft equipment and a photocell assembly, located close to the prism, are basic for aec operation. The V/I signal is connected to the camera through the :IAN. or AUTO contacts of VI/H SEL switch 3S1 on the control panel.

a. Scaling Networks (fig. 2-1).

(1) From V/H SEL switch 3S1, the V/H input signal voltage is channeled to two voltage dividers on the control board assembly 2A4 and fed back to the aircraft equipment as an auxiliary data annotation system (adas) reference voltage. The channels are designated V/H high, V/H vert-1, and V/H vert-2. Their variable inputs are at a gradient of 8.929 volts/cycle/second for vertically mounted cameras and 30.36 volts./cycle /second for cameras mounted in a forward oblique position.

(2) With CAMERA SEL switch 3S4 set to FWD, the V/H high input is connected to the top of the two scaling networks R10, R21, and R22 and R11 and R12. Each network reduces the V/H voltage to 0.4/volt/cycle/second while the input remains above a gradient of 30.36 volts/cycle/second for autocyclus mode of operation.

(3) With CAMERA SEL switch 3S4 set to VERT, the V/H vert-1 voltage is connected to the junction of resistors R10 and R21 of the network serving the electronic mode switch and Intervalometer circuits (fig. 2-1). Similarly the V/H vert-2 voltage is connected to the junction of resistors R11 and R12 of the network serving the aec and scan circuits. The output of both networks remains at a gradient of 0.4 volt/cycle/second while the V/H input remains above a gradient of 8.929 volts/cycle/second.

(4) Note that the resistor R2 becomes a part of the V/H vert-2 aec and scan scaling network when operate relay 2A4K1 is energized. When relay 2A4K1 is deenergized, resistor R2 is disconnected and R1 is substituted into the network to enable EXTRA PICTURE switch iA3S5 to initiate single picture taking with the OPERATE switch 1A3S2 set to OFF but with POWER switch 3S1 remaining in the ON position (fig. 6-14). (5) A third voltage divider consisting of resistors R13, R14, R15, and zener diode VR1 (fig. 2-1) receives a + 15 vdc input and supplies a fixed output of 0.8 volt/2 cycles/second for the aec and scan circuits while the camera operates in the pulse mode.

b. AEC Amplifier Functioning (fig. 6-15).

(1) The V/H signal voltage from the scaling network is connected to the aec log amplifier AR1 on the aec board assembly 2A5, through a bias network. An input of +25 vdc is connected to the bias network through resistor R1 and potentiometers R13, R14, and R15, which are connected in series with and regulated by zener diodes VR2 and VR3 and resistors R16 and R17.

(2) In addition to the 15 vdc, the aec photocell amplifier AR2 receives an input from the aec photocell assembly 1A2, located in the body. The output of photocell 1A2 is applied to differential amplifier AR3 simultaneously with the output of photocell amplifier AR2.

(3) The photocell and its associated circuit act as a voltage divider network whose resistance varies inversely with light intensity. When a low light condition exists, the network applies a large portion of the aec output voltage to the chopper amplifier. As the light intensity increases. The

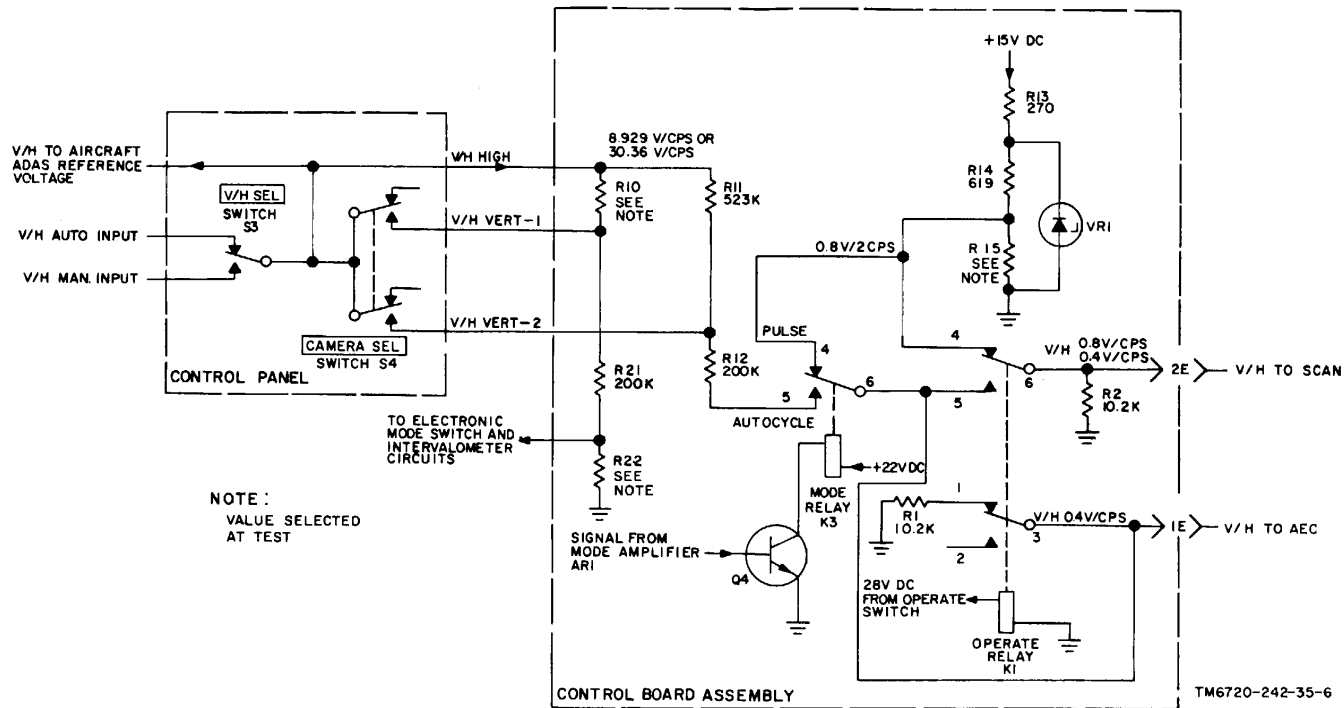


Figure 2-1. Scaling Networks, schematic diagram

network applies a proportionately smaller portion of the aec output voltage to the chopper amplifier.

(4) For all light conditions, the chopper amplifier compares the aec output voltage, from the photocell, with the feedback voltage (dc) from the aec feedback potentiometer R1. If these two dc voltages are not equal, the chopper amplifier converts the difference to an ac signal voltage and applies it to the input of the aec servo amplifier. The amplifier ac output voltage of the aec servo amplifier is applied to the aec motor B1 as an excitation voltage.

(5) Increasing the light intensity to the photocell causes aec motor B1 to close the slit and mechanically reposition the arm of the aec feedback potentiometer, thus changing the magnitude of the feedback voltage to the chopper amplifier. When the feedback voltage is equal in magnitude to the aec output voltage applied to the chopper amplifier, the ac output voltage of the chopper amplifier is at a very low magnitude. This causes the aec motor B1 operation to stop, holding the slit at an opening proportional to the amount of light and the v/h command voltage. When the slit reaches its minimum opening; the mechanical linkage starts to close the aperture. If the light intensity level is high and starts decreasing, the aperture opens until it reaches its maximum limit (f/2.8). When the aperture reaches its maximum limit the mechanical linkage opens the slit.

2-8. Functioning of Image Motion Compensation

The camera contains an image motion compensation (imc) mechanism which permits the lens to move across the focal plane, as a function of scan rate, to eliminate image motion during exposure. Imc functions only in a vertically mounted camera and while the camera is operating in the autocycle mode.

a. The imc mechanism (fig. 24) consists of a shaft assembly and a solenoid and lever assembly. The shaft assembly includes an imc cam, a dragbrake, a coupling, a gear, and a shoulder shaft. The cam is pinned to the end of the shaft and it inserts into a cam follower on the carriage which supports the lens assembly. The gear is freewheeling and it rotates continuously in a gear train that is driven by scan motor B1. A solenoid is mounted below the shaft with the yoke of the associated lever engaged in coupling. When the solenoid is actuated, the lever causes the coupling to mesh with the rotating gear. The con

tour of the cam is such that the lens assembly is moved forward and backward at rates which conform to the angle of the prism position. The dragbrake exerts a drag torque of 1.0 + 0.5 ounce-inches on the shaft rotation. The counterweights, which oscillate about the pivot arms, counteract the force created by the moving mount, lens, and aperture.

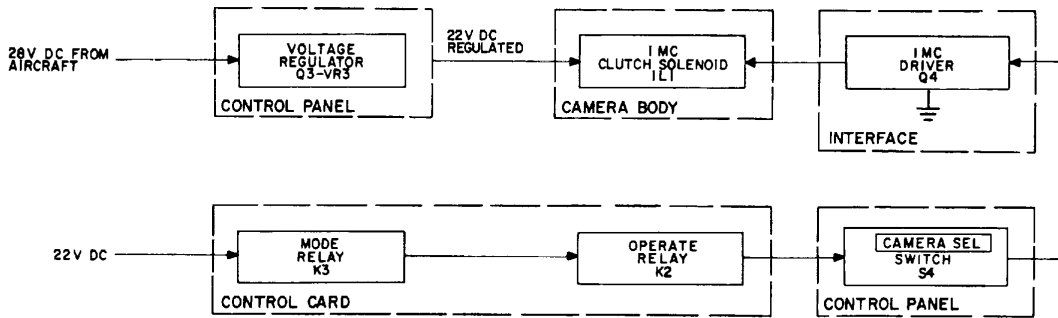
b. The electrical circuits which control the action of the imc mechanism are illustrated in figure 2-3. Regulated +22vdc is applied to the winding of solenoid L1. The other end of the solenoid winding is connected to the collector of driver transistor Q4. Regulated +22vdc is applied to the base of Q4 and when Q4 conducts, the circuit through the solenoid is closed and by the resulting magnetic action the lever slides the coupling into engagement with the rotating gear.

c. The regulated +22vdc is applied to the base of transistor Q4 through mode relay K3, operate relay K2, and CAMERA SEL switch S4 when the camera is operating in the autocycle mode. Relay K3 is energized when the v/h input level governing the mode of operation sets the camera for autocycle operation. When the v/h input drops below the gradient of autocycle operation, mode relay K3 is deenergized and imc automatically ceases.

2-9. Functioning of Drive Mechanism

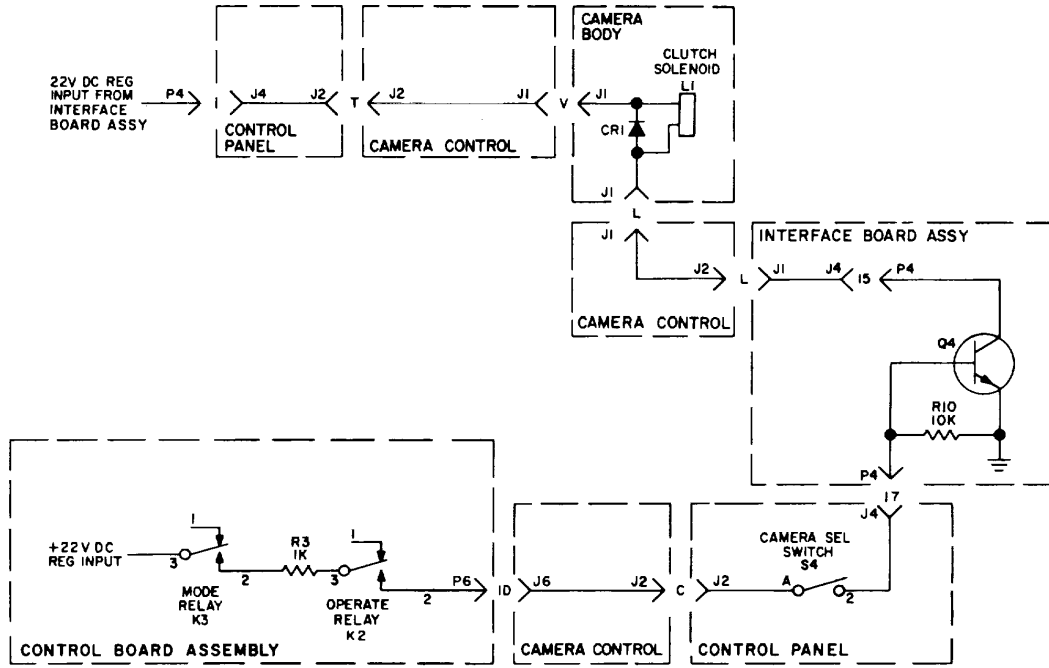
(fig. 2-6)

a. Body Drive Mechanism. The drive mechanism, consisting of a chain of gears, belts, and pulleys, transports film, rotates the prism, and maintains timing relationships, is housed in the body and the magazine. Excitation voltage from the scan drive circuits (para 2-10) causes the scan motor B1 (1) to rotate. The scan motor gear (2) drives the tach gear (3) causing the tachometer (4) to rotate and generate a voltage applied to the chopper amplifier (fig. 6-16) which is proportional to the speed of the scan motor shaft. The pinion (5) of the scan motor gear drives an idler gear (6). The pinion (7) of the idler gear (6) meshes with gear (8). Pulley (9) drives pulley (10) via a belt (11). The linkage gear (12) delivers mechanical power to the magazine input gear (13). The pinion (7) of idler gear (6) also meshes with the idler gear (14). The rear pinion (16) of idler gear (14) meshes with gear (17) which, when the solenoid (18) is energized, engages and rotates the imc cam (19) causing the lens assembly (20) to perform imc



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Figure 2-2. Image motion compensation (imc), schematic diagram.



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Figure 2-3. Image motion compensation (imc), schematic diagram.

oscillation (para 2-8). The front pinion (15) of idler gear (14) drives the prism gear (21) and rotates the prism (22). Pulley (23) rotates pulley (24) via the timing belt (25) causing the timing cam (32) and gear (26) to rotate. The timing cam makes and breaks the puck switch (33) (para 2-15). The gear (26) drives gear (27), lift cam (28), and the capping cam (29) which

are all grouped together and mounted on, but independent of the puck (31) shaft. The capping cam causes the capping blade (34), which is located in the aec assembly, to operate (para 2-14). The puck, which rotates continuously, is not involved in the timing sequence and is driven by the meshing of the puck gear (30) with the idler gear (14).

b. Magazine Drive Mechanism. The linkage gear (12), which delivers mechanical power from the body to the magazine, meshes with the input gear (13). Also on the input gear shaft are the supply sprockets (42) and pulley (43) which drive pulley(45) via belt (50). On the same shaft with pulley (45) are the takeup sprockets (41) and gear (44) which meshes with idler gear (46) which, in turn, meshes with gear (47) and thus drives the takeup spool (51). The clutch (48) is attached to and functions with gear (47). The brake (49) is mounted on the spindle of the supply spool (52) and furnishes drag on the film supply to prevent excess film slack. The rotation of the lift cam (29) raises and lowers the cam follower (36). The rocker arm (37), operated by the up and down motion of the cam follower, causes the adas pressure plate (38) to provide pressure on the film during adas exposure (para 2-3). Film is threaded through the magazine as follows: fresh film from the supply spool is threaded about the supply sprockets (42) and routed under the film keeper (40) forming the supply slack loop (53). The film is routed from the film keeper between the pressure roller (35) and the puck (31) forming the takeup slack loop (54), threaded about the takeup sprockets (41) and collected by the takeup spool. Film transport is accomplished when the linkage gear (12) drives the input gear (13) causing the supply sprockets to rotate in a clockwise direction. The supply sprockets pull film from the supply spool and routes it to the supply slack loop thus increasing the supply slack loop size. The pulley (43) rotates the takeup spool and takeup sprockets in a clockwise direction via the belt (50) and the gear arrangement (44, 45, 46, and 47) allowing the film to be collected from the takeup slack loop and thus decreasing the takeup slack loop size. As the supply slack size increases, the cam follower rides on the high side of the lift cam. When the supply slack loop increases a predetermined amount, the cam follower rides on the low side of the lift cam. This condition causes the pressure roller to press the film against the continuously rotating puck thus transporting the film from the supply slack loop, under the pressure plate (39) and film keeper and to the takeup slack loop. As the film passes under the pressure plate and the film keeper it is exposed to the target image. The prism (22), which is rotated at the same rate as the film is transported, transmits the target image through the lens, aperture, and slit (not shown) to the film. When the cam follower reaches the high side of the lift

cam, the pressure roller releases the film from the puck thus stopping film transport.

2-10. Functioning of Scan Drive Circuits

The scan drive circuits comprise a pulse width modulated amplifier which controls scan motor B1. The inputs to amplifier AR1 are a v/h signal voltage (fig. 2-1) and the voltage generated by tachometer-generator G1. The tachometer generates a voltage that is proportional to the speed at which the scan motor is rotating. A variable v/h signal voltage from the scaling networks at a gradient of 0.4 volt/cycle/second for autocycle mode of operation or at a fixed 0.8 volt/cycle/second for pulse mode with the pulse intervals variable, is proportional to velocity-over-height at which the aircraft is traveling. The v/h signal voltage and the voltage from the tachometer-generator are compared in scan amplifier AR1. The amplitude and polarity of the amplifier output governs the needed acceleration or deceleration of the scan motor so that it will rotate the prism and advance the film at the required scan rate for the photographing of present terrain.

a. The output of amplifier AR1 is an error voltage resulting from the difference between the two inputs. The polarity is positive when the v/h voltage is greater, and negative when the tachometer-generator voltage is greater. When scan control relay K1 is energized, the error signal from amplifier ARI is applied to the collector of chopper transistor Q6 and also to the dynamic motor brake circuit, which includes transistors Q12 and Q13. The function of chopper transistor Q6 is to convert the dc level of the error voltage to a 400 hertz square wave dc pulse.

b. The amplitude of the square wave from chopper Q6 is proportional to the error signal and it is connected by emitter follower transistor Q4 to a differentiates capacitor C4. The differentiated pulse (fig. 2-5) then becomes the input to the base of switching transistors Q5 and Q7. Note that Q5 receives a positive-going differentiated dc pulse and Q7 a negative-going differentiated dc pulse. Transistors Q5 and Q7 conduct at approximately 0.3 volt. The output at the collector of Q5 positive half cycles and at Q7 for negative half cycles is amplified as a pulse width. Transistor Q3 serves as the summing point of both circuits and its positive output is the base drive for power transistor Q1, located on the heat sink assembly. Transistor Q1, in turn, drives scan motor B1.

c. When the emitter output of power transistor Q1 is excessive, transistor Q11 is partially turned on and the current feedback cuts down the acceleration of motor B1.

d. Scan cycling control centers in the operation of scan control relay K1. The relay coil receives an input of +22 vdc interlock as long as there is film in the camera. However, the relay remains deenergized until the scan control signal is applied to transistor Q10. This occurs when operate relay K2 (fig. 6-11) is energized. The scale control signal causes transistor Q9 to conduct connecting K1 to ground. When energized, scale control relay K1 (fig. 6-16) applies the error voltage output of amplifier AR1 to transistor chopper Q6. When the relay is deenergized (scale control signal not applied to Q10) a negative voltage is applied to the chopper circuit, cutting it off.

e. When the OPERATE switch is set to OFI to stop the camera action, operate relay K2 (fig. 6-14) is deenergized. Relay K2 then connects capacitor C1 to the base of transistor Q10 (fig. 6-16). Capacitor C1 discharges causing Q10 to conduct and hold the scan control relay K1 energized, keeping the output of scan amplifier AR1 to the base of transistor Q10 (which is normally conducting) of the dynamic brake circuit. Simultaneously, operate relay K1 (fig. 6-16) is deenergized, removing the V/H input from amplifier AR1. Thus, at this point, the output of amplifier AR1 (fig. 6-16) consists only of the tachometer-generator feedback from scan motor B1. The decrease in the voltage applied to Q12 causes it to cut off. With Q12 cut off, Q13 conducts and the output of bridge rectifier CR1 through CR4 is effectively grounded, stopping the scan motor. When scan control relay K1 is deenergized, a negative voltage is applied to the chopper circuit, cutting it off.

f. The scan motor drives the various camera components through a gear train, as shown in figure 2-6.

2-11. Functioning of Intervalometer Circuits

a. The Intervalometer circuit functions as a pulse generator when the camera operates in the pulse mode. The output level of the electronic mode switch governs the output frequency of the Intervalometer pulse. The scan drive is thus caused to cycle once for each Intervalometer pulse.

b. The input to the electronic mode switch operational amplifier AR1 is a v/h vert-1 signal volt

age which is derived from the scaling network (fig. 2-1). The output of amplifier AR1 (fig. 2-7) is applied to the base of a transistor in the temperature controlled differential pair AR2. This turns on the transistor and charges capacitor C3. Capacitor C3 converts the signal to a sawtooth waveform which is applied to relay K2. The output of junction transistor Q2 taken at B1 is a pulse approximately 50 milliseconds wide (fig. 2-8). This pulse is applied to the base of transistor Q1, which applies it to the scan control circuit.

2-12. Functioning of Fail Safe Signal and Frames Remaining Circuits (fig. 2-9)

a. The function of the fail safe signal is to provide a pulse which will illuminate the OPERATE lamp DS2 in synchronism with each advance of a frame of film. It also stops camera operation and keeps the OPERATE lamp illuminated steadily when the end of film has been reached or if film breakage occurs. The circuit generating the pulse also actuates the frames remaining mechanism and provides the input for the annotation pulse circuit. The end of film switch, 1AIS1, located in the aec assembly (fig. 3-3 (3)) initiates the fail safe signal which keeps the OPERATE lamp illuminated.

b. The rotating timing cam actuates the puck switch 1Si which makes a closure to ground for each camera cycle (fig. 2-6). This closure to ground turns off transistor Q1 and causes emitter follower Q2 to turn on, which causes the control panel OPERATE lamp to illuminate once for each closure of the puck switch. The FRAMES REMAINING indicator is actuated in synchronism with the illumination of the OPERATE lamp and counts down one digit for each closure of the puck switch.

(1) The +22 vdc regulated voltage is connected through the bleeder resistor R9 to the filament of the OPERATE lamp. This extends the life of the lamp and minimizes the turn-on current of transistor Q2.

(2) When there is no film to keep the end of film switch 1AIS1 closed, the +22 vdc regulated is disconnected from the scan control relay K1 and from the scan control relay driver Q10, and reconnected to the filament of OPERATE lamp DS2. Camera operation then ceases and the OPERATE lamp illuminates steadily.

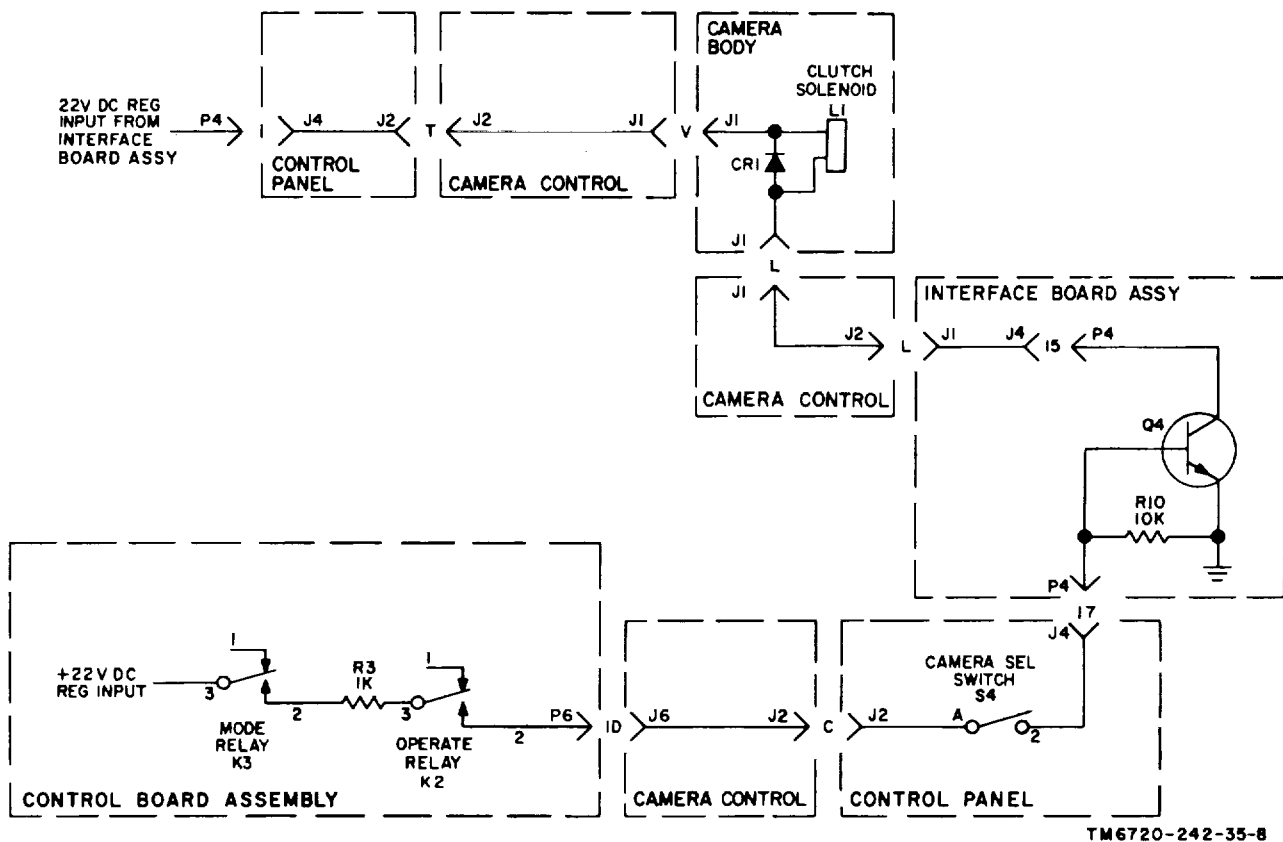
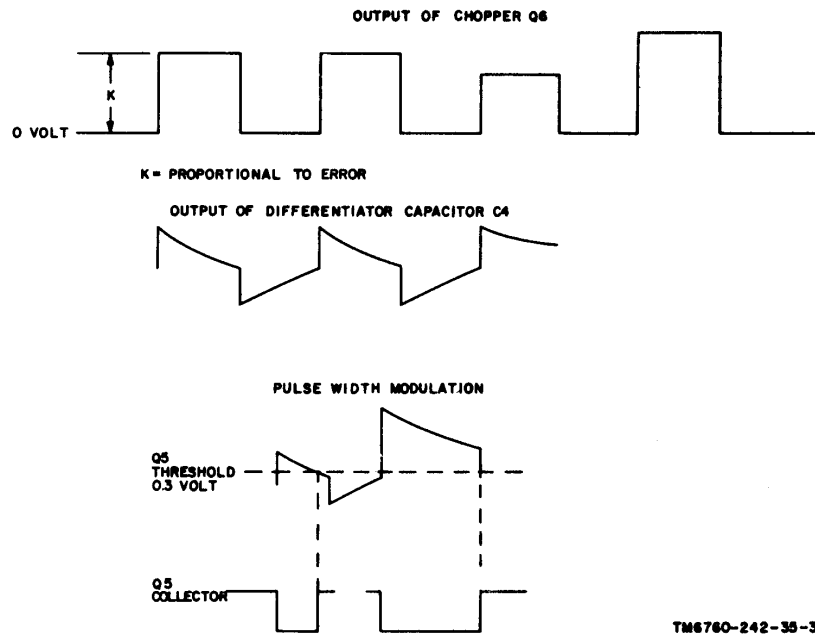


Figure 2-4. Scan drive system, block diagram



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Figure 2-5. Scan drive system, waveforms.

2-13. Functioning of Annotation Pulse Circuit

a. The function of the annotation pulse circuit (fig. 2-10) is to supply aircraft equipment with a pulse that will coordinate the timing of the aircraft equipment with the camera operation. The annotation pulse circuit converts the pulse initiated by the puck switch (para 2-15) to a 6 + 1.5 volts, 500 + 250 microseconds isolated pulse.

b. When Q2 is turned on, as described in paragraph 2-11, capacitor C2 charges up for the length of time that Q2 is turned on and together with the primary winding of transformer T1 furnishes the duration of the pulse. The secondary winding of transformer T1 isolates and provides the shape and width of the pulse. VR1 clips the pulse at an amplitude of 6 + 1.5 volts and CR1 prevents any back voltage. This output pulse interfaces with the data annotation system being used in the aircraft and provides the command necessary for the recording head assembly (rha) display. The data annotation system being utilized by the aircraft would be either the AN/ AYA-5 Bowmar or the AN/AYA-10 Hiller annotation systems.

2-14. Functioning of Auxiliary Data Annotation System

a. The function of the auxiliary data annotation system (adas) is to record on the film alph-

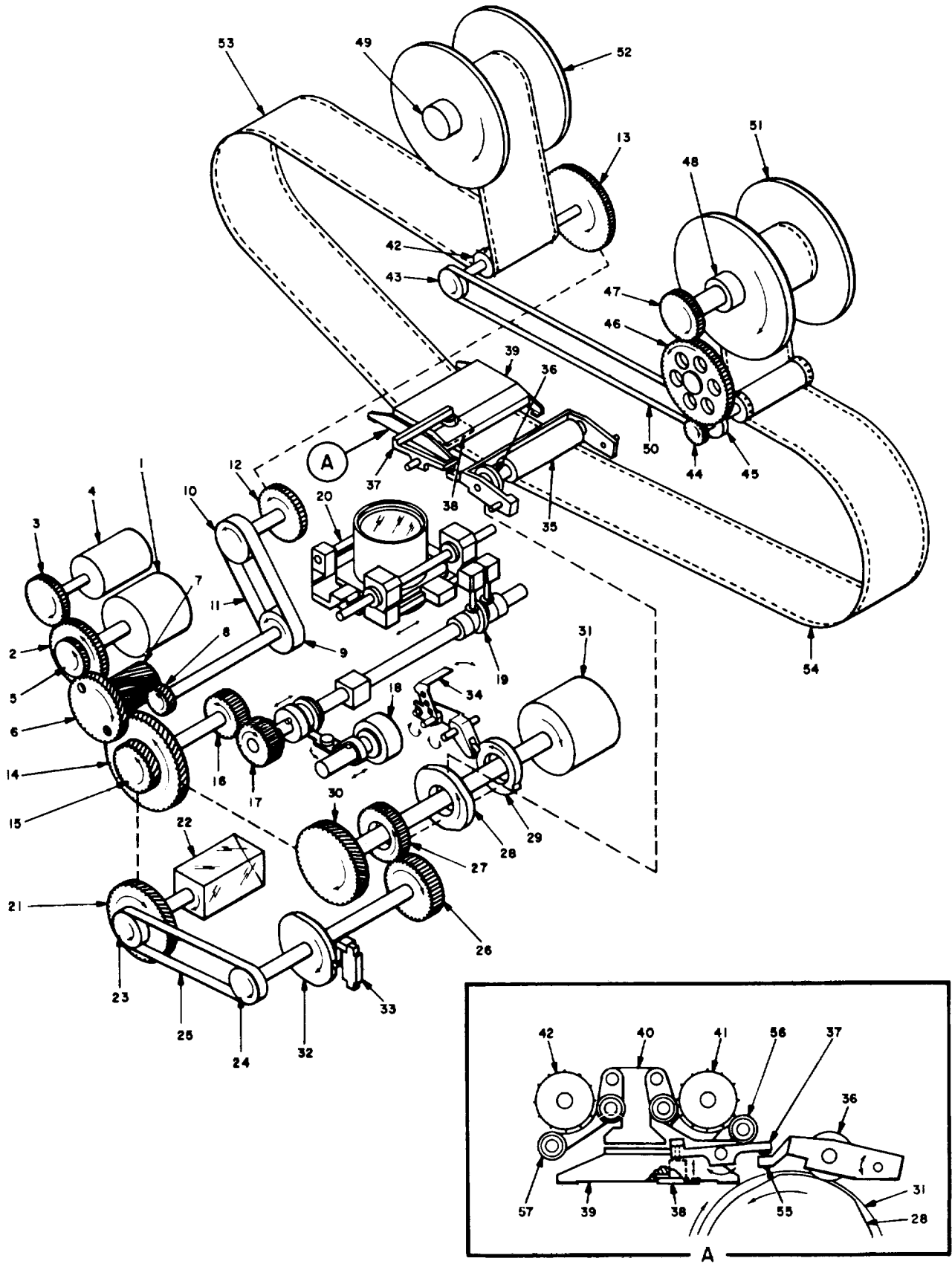
numeric or binary information pertinent to the aircraft mission. The data generated in the adas equipment of the aircraft is transmitted to the recording head assembly (rha) located in the body. The capping blade, activated by the capping cam (fig. 2-6), blocks off part of the variable slit (fig. 2-13) just before the film stops advancing, thus leaving a portion of film unexposed. When film advance stops, the adas pressure plate clamps the film (para. 2-3a). The coded information appearing on the rha, is then projected by a lens and mirror assembly and photographed on the unexposed portion of the film:

b. The adas is not functionally a part of the camera, but is identified with the camera to the extent that the lens, the mirror assembly and the rha is housed in the body. A v/h reference voltage for the adas aircraft equipment is applied through V/H SEL switch 3S3, located in the control panel.

2-15. Functioning of Puck and End of Film Switches

(figs. 6-11 and 6-12)

a. Puck Switch. The puck switch 1S1 is located in the body (43, fig. 3-4 (2)) and is actuated by the timing cam (fig. 2-6). It is momentarily closed to ground twice during each revolu-



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Figure 2-6. Drive mechanism, schematic diagram.

- | | | |
|--------------------------|------------------------|-------------------------|
| 1 Scan motor B1 | 20 assembly | 39 Pressure plate |
| 2 Scan motor gear | 21 gear | 40 Film keeper |
| 3 Tach gear | 22 Prism | 41 Takeup sprocket |
| 4 Tachometer | 23 Pulley | 42 Supply sprocket |
| 5 Scan motor gear pinion | 24 Pulley | 43 Pulley |
| 6 Idler gear | 25 Timing belt | 44 Gear |
| 7 Idler gear pinion | 26 Gear | 45 Pulley |
| 8 Gear | 27 Gear | 46 Gear |
| 9 Pulley | 28 Lift cam | 47 Gear |
| 10 Pulley | 29 Capping cam | 48 Clutch |
| 11 Belt | 30 Puck gear | 49 Brake |
| 12 Linkage gear | 31 Puck | 50 Belt |
| 13 Input gear | 32 Timing cam | 51 Takeup spool |
| 14 Idler gear | 33 Puck switch | 52 Supply spool |
| 15 gear, front pinion | 34 Capping blade | 53 Supply slack loop |
| 16 gear, rear pinion | 35 follower | 54 Takeup slack loop |
| 17 Gear | 37 Rocker arm | 55 Adjustment screw |
| 18 Solenoid | 38 Adas pressure plate | 56 Takeup keeper roller |
| 19 IMC cam | | 57 Supply keeper roller |

Figure 2-6. Continued.

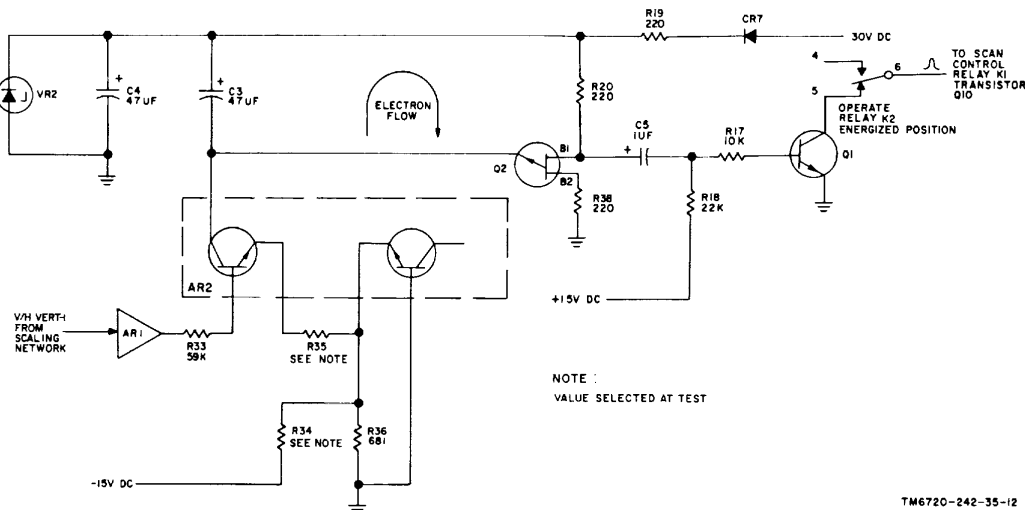
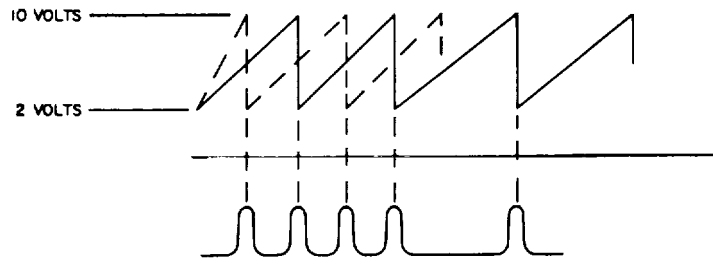


Figure 2-7. Intervalometer pulse circuit, schematic diagram

tion of the timing cam and each closure denotes one camera cycle. It is also coupled mechanically (via a gear and belt train) to the adas pressure plate (fig. 2-6) and the operation of the puck switch and the adas pressure plate are thus synchronized (para 2-9). The puck switch also functions in both modes of operation, pulse and autcycle.

(1) Pulse mode. In the pulse mode of operation the Intervalometer 2A4AR2 determines the cycling rate, which is from one cycle per second

to one cycle every four and one-half seconds. The pulse from the Intervalometer circuit energizes the scan control relay 2A3K1 (fig. 6-16); the relay contacts close and the FRAMES REMAINING counter, OPERATE lamp, and data annotation pulse circuits all operate. The next ground pulse from the puck switch deenergizes relay 2A3K1 thus opening the relay contacts. All of the above functions stop until the next pulse from the Intervalometer causes the sequence to be repeated.



THE DOTTED LINE WAVEFORM IS A LARGE V/H INPUT AND THE SOLID LINE WAVEFORM A SMALLER V/H INPUT TM6T--242-3-37]

Figure 2-8. Conversion of V/H signal to Intervalometer pulse.

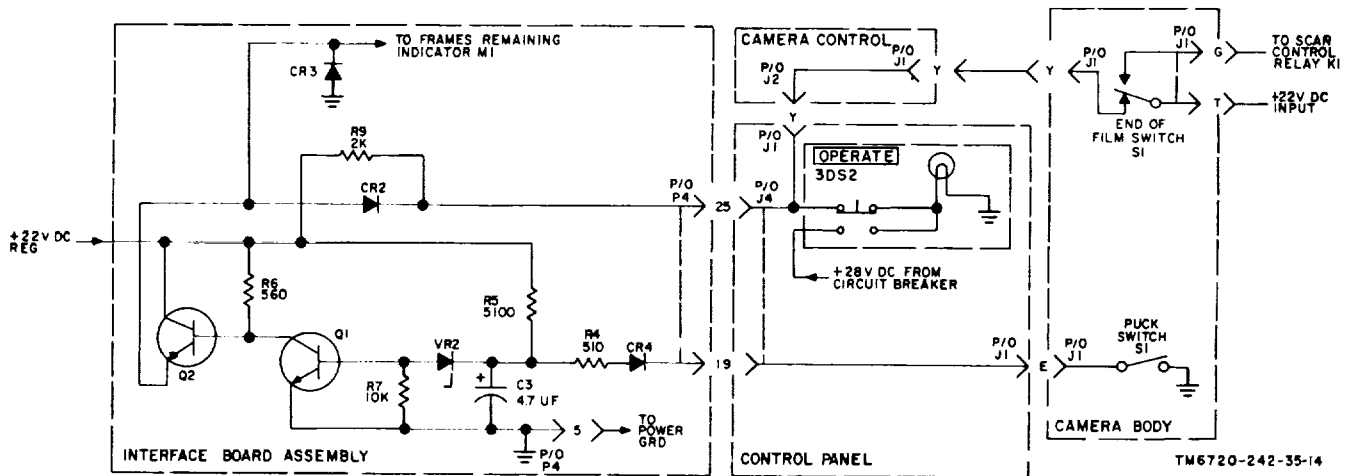


Figure 2-9. Fail safe and frames remaining circuits, schematic diagram.

(2) Autocycle mode. When the speed and height of the aircraft is such that the V/H signal causes the camera to cycle at one cycle per second, the camera automatically switches to the autocycle mode of operation. The V/H signal is amplified by amplifier 2A4AR1, the voltage detector zener diodes VR4 and VR5 cause transistor Q5 to turn on and energize relay 2A4K3 thus placing the camera in the autocycle mode of operation. In the autocycle mode the cycling rate is from one cycle to eight and one-half cycles per second.

b. End of Film Switch. The end of film switch IAIS1 (84, fig. 3-3 (3)) is located in the aec assembly. The switch is on when its actuating shaft is held in a depressed position by the pressure of the film passing over it. The shaft is released and turns the switch off at the end of

film or as a result of film breakage. In its actuated position, the switch applies +22 vdc regulated to the scan control and control board circuits, closes the interlock circuit and camera operation results. In its off position the interlock circuit is open and camera operation ceases, also voltage is applied to the fail safe circuit which causes the control panel OPERATE lamp to illuminate steadily (para 2-12).

2-16. Functioning of Power Supply

a. Primary power of 115 vac, 400 Hz, 28 vdc, and 5 vdc is furnished from aircraft sources and applied to the camera through filter 3FL1 and POWER switch 3S1 located on the control panel (fig. 6-12). The 115 vac, 400 Hz input and the +28 vdc input are connected to respective circuit

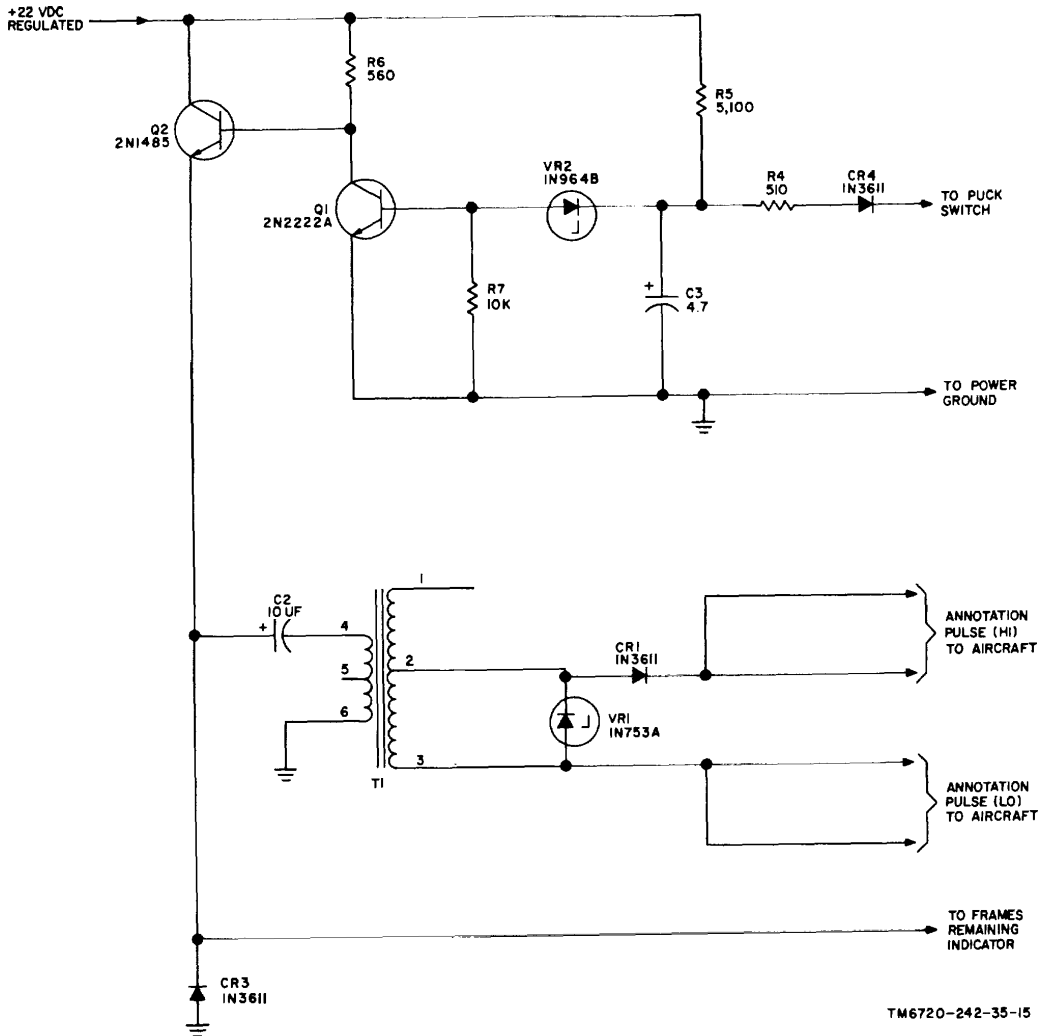


Figure 2-10. Annotation pulse circuit, schematic diagram.

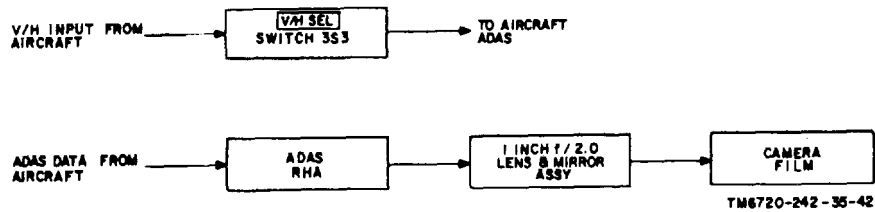


Figure 2-11. Auxiliary data annotation system (adas), block diagram.

breakers on the camera control and then to a power supply assembly, located at the bottom of the camera control (7, fig. 3-8); and a +22 vdc regulator circuit which is part of the interface board assembly, located in the control panel (7, fig. 313). The 115 vac input voltage can be checked by depressing the POWER indicator 3DS1 on the control panel. The +28 vdc voltage is checked similarly on the OPERATE indicator 3DS2.

b. The power supply (fig. 6-17) furnishes the various direct current and alternating current voltages used in the camera circuits with the exception of the +22 vdc regulated.

(1) Conversion of the 115 vac, 400 Hz input voltage to the dc and ac working voltages of the camera is accomplished by two circuits which include separate transformers, a diode bridge rectifier, and associated parts (fig. 6-17).

(2) Power transformer T1 has an output of 75 vac, floating, which is rectified in the heat sink assembly for application to the collector of scan drive power output transistor Q1 (fig. 616). A second output of transformer T1 is +5 vdc, which is applied to the collector of transistor Q3 in the scan drive circuit. Transistor Q3 is a driver stage for power output transistor Q1.

(3) Power transformer T2 (fig. 6-17) also has outputs of 25 vdc, 15 vdc, 30 vac, and 6 vac. The +25 is connected to potentiometer R8 on the aec board assembly (fig. 6-15). Potentiometer R8 is adjusted for a 7-volt input to feedback potentiometer R1 of the aec components in the body (fig. 6-11). The -25 vdc (fig. 6-17) is connected to potentiometer R21 on the aec board assembly (fig. 6-15), which adjusts the voltage to the film exposure index network (aei) on the interconnecting board assembly (fig. 3-12) located in the camera control (para 2-4). The +15 vdc and -15 vdc are used for all integrated circuits and for transistor collectors on the scan, aec, and control board assemblies. Transformer T2 also supplies 30 vac and 6 vac reference voltages. The 30 vac is connected to the transformer T1 of the ring modulator circuit on the aec board assembly. The 6 vac output is applied to the base of the chopper transistor Q6 of the scan drive system.

(4) The +22 vdc regulated is derived from the +28 vdc primary input and converted in a circuit on the interface board assembly (fig. 2-12). Transistor Q3 regulates the converted +22 volts. The regulated +22 vdc is used exclusively as a control voltage

NOTES:

1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN. FOR COMPLETE DESIGNATION, PREFIX THE PARTIAL DESIGNATION WITH UNIT NUMBER 3A1
2. UNLESS OTHERWISE SPECIFIED, RESISTANCE VALUES ARE IN OHMS, AND CAPACITANCE VALUES ARE IN MICROFARADS.

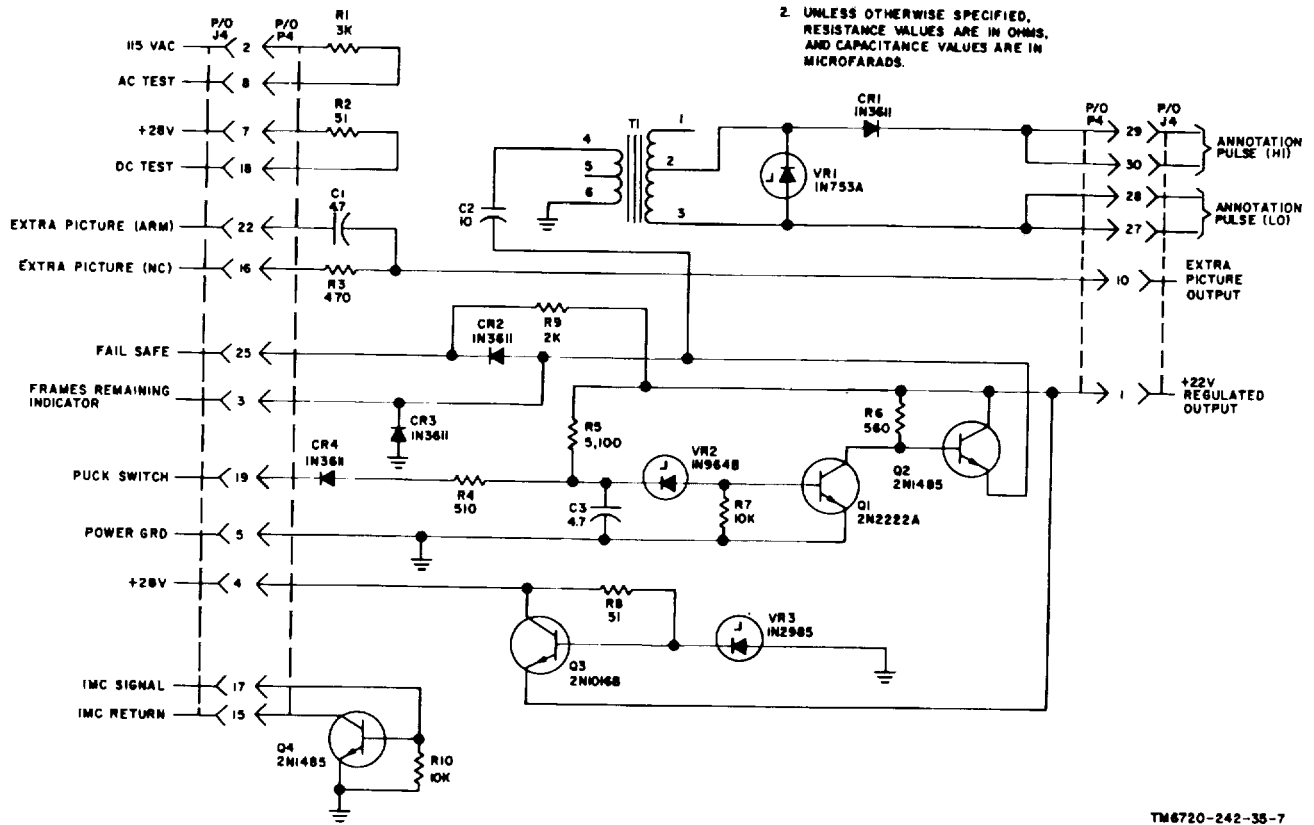
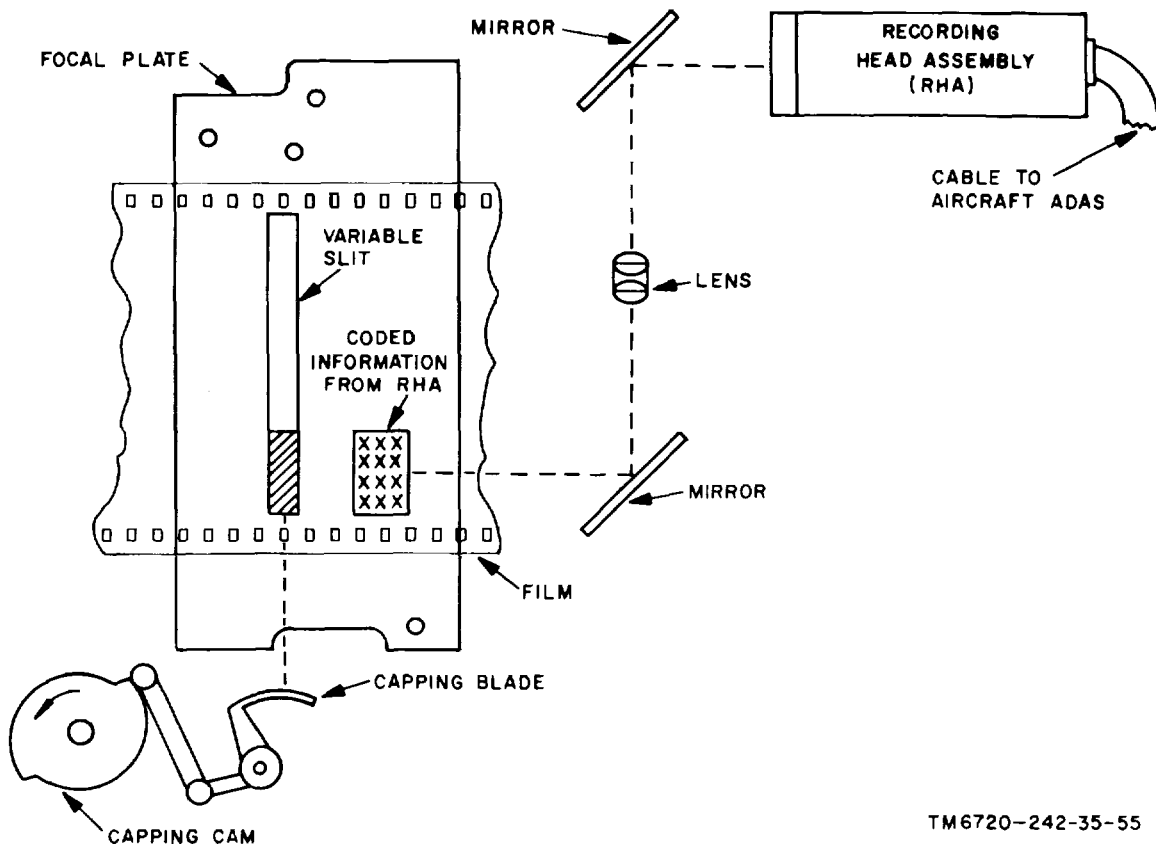
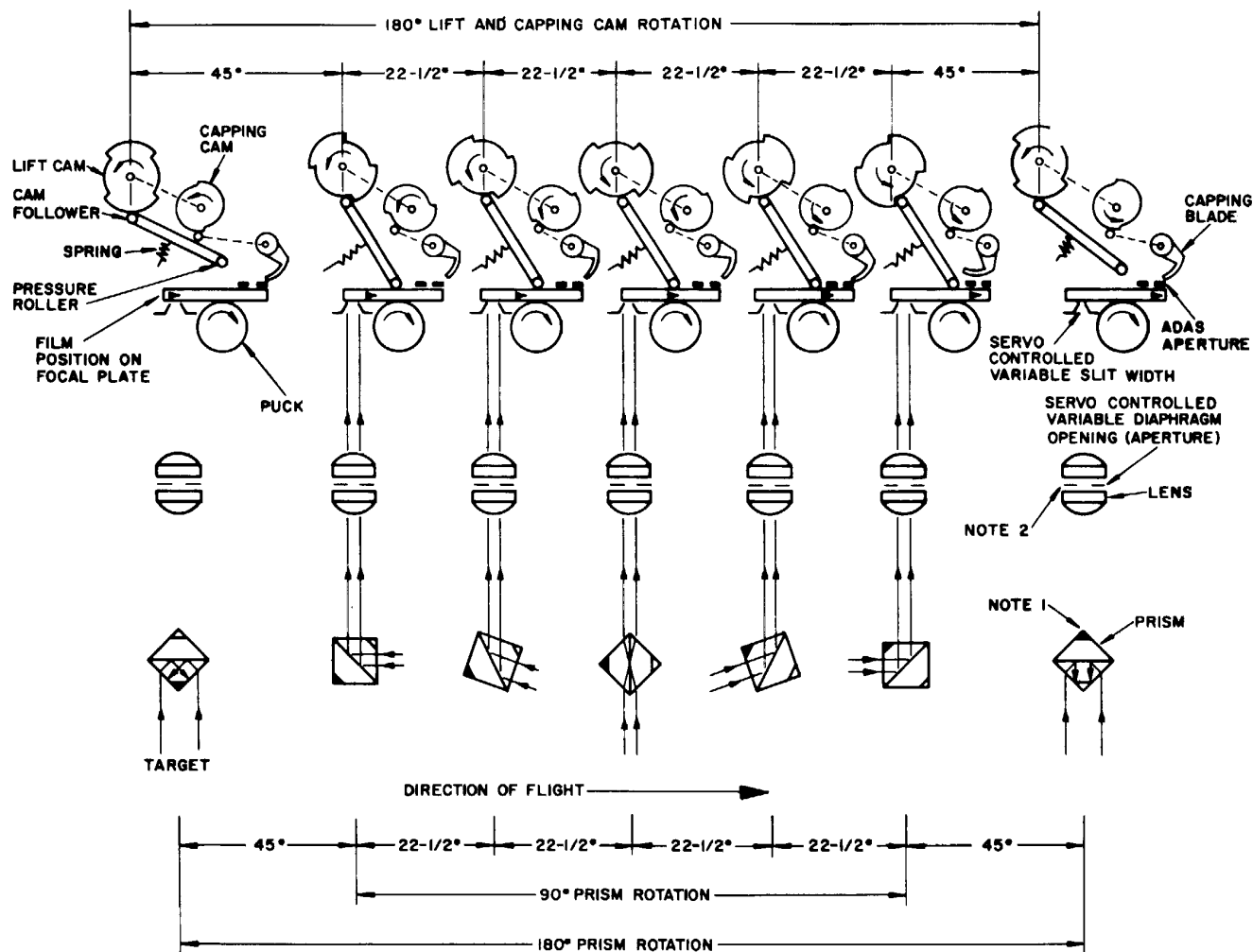


Figure 2-12. Interface board assembly, schematic diagram.



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Figure 2-13. Auxiliary data annotation system (adas), functional diagram.



LEGEND :
 ———> DENOTES LIGHT PATH
 ———> DENOTES DIRECTION OF TRAVEL

NOTES :
 1. SHADED AREA INDICATES POSITION OF PRISM.
 2. IMC MOTION, WHEN ENGAGED, PARALLEL TO SERVO CONTROLLED VARIABLE SLIT WIDTH.

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Figure 2-14. Film transport timing diagram
 2-21

CHAPTER 3
DIRECT SUPPORT MAINTENANCE
Section I. TROUBLESHOOTING

WARNING

Be extremely careful when troubleshooting and repairing the camera. Power sources of 115 vac, 400 hz and 28 vdc are present internally for camera operation. Use insulated test probes when making voltage measurements and always disconnect the power sources from the equipment before handling internal parts.

3-1. Troubleshooting Information

a. General Troubleshooting. General troubleshooting at direct support (DS), general support (GS) and depot includes the procedures and techniques designated for each lower category of maintenance and the added special techniques at each category for the isolation of a defective part. The systematic troubleshooting procedures which begin with the operational and sectionalization checks performed at the organizational level, must be supplemented where needed by further localization and isolation techniques applicable to the higher category of maintenance being performed. At organizational level, tests are performed with the use of Test Set, Camera LS-86A and with the camera components connected to each other and in operation (TM 11-6720-24212). At the higher category of maintenance, troubleshooting is usually confined to a single component or assembly and performed with a bench test setup.

b. Organization of Troubleshooting Procedures.

(1) *General.* The first step in servicing defective equipment is to sectionalize the fault; that is, to trace the fault to a major component or assembly. The second step is to localize the fault to a defective system or assembly. The third step, isolation, traces the fault to the defective part. Some faults, such as a defective film transport mechanism, or the binding of mechanical TROUBLESHOOTING components, can often be isolated by sight, touch, or hearing. The majority of faults, however, must be isolated by detailed electrical, mechanical, or optical checks.

(2) *Sectionalization check.* After a trouble has been sectionalized (traced to a component or assembly), perform the procedures that will localize it to a system and then isolate it to a part or assembly.

(3) *Visual inspection.* Frequently, a fault may be identified by visual observation alone and in such case no further localization is required. However, mechanical faults, such as defective clutches, springs, precision fits and spacing, having prescribed conditions, require types of checks applicable to them.

(4) *Localizing troubles.* One or more localizing procedures may be necessary, depending on the nature of the symptoms. When the procedure results in localizing trouble to a particular section, use the designated test procedures to isolate the trouble to a particular assembly or part.

(5) *Troubleshooting charts.* Troubleshooting charts aid in localizing trouble to an assembly or part.

(6) *Signal substitution.* Signal substitution permits the checking of an assembly by the use of special test sets which enable applicable signals to be connected to the various circuits of the assembly to verify their normal response.

(7) *Isolation.* Following the isolation of a trouble to a circuit, the parts comprising the circuit are checked to determine their operational status. As the equipment is transistorized, all precautions must be taken to prevent their damage. A momentary short circuit will ruin a transistor. Insulate all but the extreme tip of a test probe when measuring voltages. Refer to figures 6-8 and 6-9 to determine the value of a resistor or a capacitor by its color coding.

(8) *Maintenance assignment charts.* The maintenance allocation chart (MAC) in conjunction with the maintenance support plan designates.

the maintenance functions assigned to each category of maintenance.

(9) *Tool and test equipment requirements.* The tools and test equipment supplied to the various levels of maintenance are designated in the tool and test equipment requirement list.

3-2. Direct Support Procedures

This section contains the data, instructions, and procedures for the use of direct support maintenance personnel. The information includes troubleshooting procedures and charts, disassembly, replacement and reassembly procedures, and bench tests. This information, a supplement to basic organizational data or procedure, should aid in sectionalizing, localizing or isolating a fault at the direct support level. For example, the test set will check operational status of most systems while a camera is installed in the aircraft and in operation. Customarily, the results of these checks will be sufficient to indicate at least the area of trouble, and this will enable direct support personnel to isolate it to an assembly or part. To facilitate bench testing when using the test set, three test cables are provided; figure 320 identifies the cables and shows their connections. When malfunctioning in the control panel or the camera control is not readily traceable to a system or circuit in the component, perform the continuity checks contained

in TAM 11-6720-24212 and use the applicable schematic diagram contained in this manual, to trace the circuits.

3-3. Test Equipment, Tools, and Materials Required

a. *General.* The chart in b below lists the special test equipment and tools required for servicing the camera at the direct support level. The materials are listed in c below. Special test instruments used to test plug-in boards are not furnished but the methods of making them are shown in figures 3-1 and 3-2. In addition to the special equipment, the following instruments and tools are required:

b. Test Equipment.

<i>Nomenclature and/or type number</i>	<i>FSN</i>
Test Set, Camera System LS-86A.....	6760-922-2680
Counter Electronic Digital AN/USM-207.....	6625-911-368
Voltmeter, Digital AN/GSM-646625-807-2264	
Oscilloscope AN/USM-140A.....	6625-987-6603
Tool Kit, Photographic Repairman TK-77/GF.....	5180-752-9068
Tool Kit, Photographic Repairman	TK-109/GF5180-856-9653
Multimeter AN/USM-223	6625-999-7465
Strobotac GR1531	
Hand Blower	5120-284-4612

c. *Materials.*

<i>Material</i>	<i>Part or Type No</i>	<i>Federal stock No</i>	<i>Vendor</i>	<i>Use</i>
Adhesive.....	M 6123		89616	Securing photocell window glass.
Electrical insulating compound	MIL-I-46058 Type ER (FS10006)			Coating electrical board assemblies.
Epoxy adhesive.....	FS10080.....			Securing shielding gaskets.
Glyptal adhesive	7526F.....	8040-636-1165.....	G. E. Co.	Securing shielding screws.
Silicone grease	DC340	-8030-9983337.....	-71984.....	Coating between metal mounting surfaces, as directed.
Solvent cleaner -	Chlorothene Nu	Dow Chem.	Co.	Cleaning surfaces to be coated with electrical insulating compound.

d. *Special Tools and Test Equipment.*

<i>Test equipment</i>	<i>Use</i>
Power Supply Test Fixture (fig. 3-1)	Checks circuits of power supply board assembly.
Heat Sink Assembly Test Fixture (fig. 3-2)	Checks circuits of scan heat sink assembly.

e., *Fabricating Power Supply Board Assembly Test Fixture.*

(1) The power supply test fixture is not supplied as a camera component. It must be made.

(2) See figure 3-1 and construct a test fixture that permits the power supply board assem-

ably to be plugged into a connector that is wired to the circuits shown.

f. *Fabricating Scan Heat Sink Assembly Test Fixture.*

(1) The heat sink assembly test fixture is not supplied as a camera component. It must be made.

(2) See figure 3-2 and construct a test fixture that permits connecting the heat sink to a connector that is wired to the circuits shown.

(1) Troubleshooting camera body.

3-4. Localizing Troubles

a. *General.* If, trouble was not localized at the organizational level by checks performed with Test Set, Camera LS-86A or by other means, refer to the troubleshooting charts.

b. *Troubleshooting Charts.* The troubleshooting charts below provide continuity of analysis from symptom, to probable trouble, to correction. The charts will aid in tracing a malfunction. The detailed test procedures of paragraph 3-5 should then isolate the trouble to an assembly or part.

<u>Item</u>	<u>Malfunction</u>	<u>Probable Cause</u>	<u>Corrective Action</u>
1	AEC malfunctioning.....	a. Photocell assembly	a. Replace photocell assembly (para 3-14).
		b. Defective servo motor, feedback resistor, or mechanism	b. Send AEC assembly to higher category of maintenance.
2	Servo motor friction clutch defective.	Worn or damaged parts	Replace friction clutch (para 3-12).
3	ADAS not recording photographically	a. Defective RHA assembly.....	a. Replace RHA assembly (para 3-15).
		b. Damage to lens and mirror assembly	b. Send AEC assembly to higher category of maintenance.
4	Sensitive (puck) switch	a. Mounting alinement.....	a. Realign (para 3-1).
		b. Loose electrical connection	b. Examine connections; secure where necessary.
		c. Switch actuator adapter	c. Send to higher category of maintenance for

replacement.

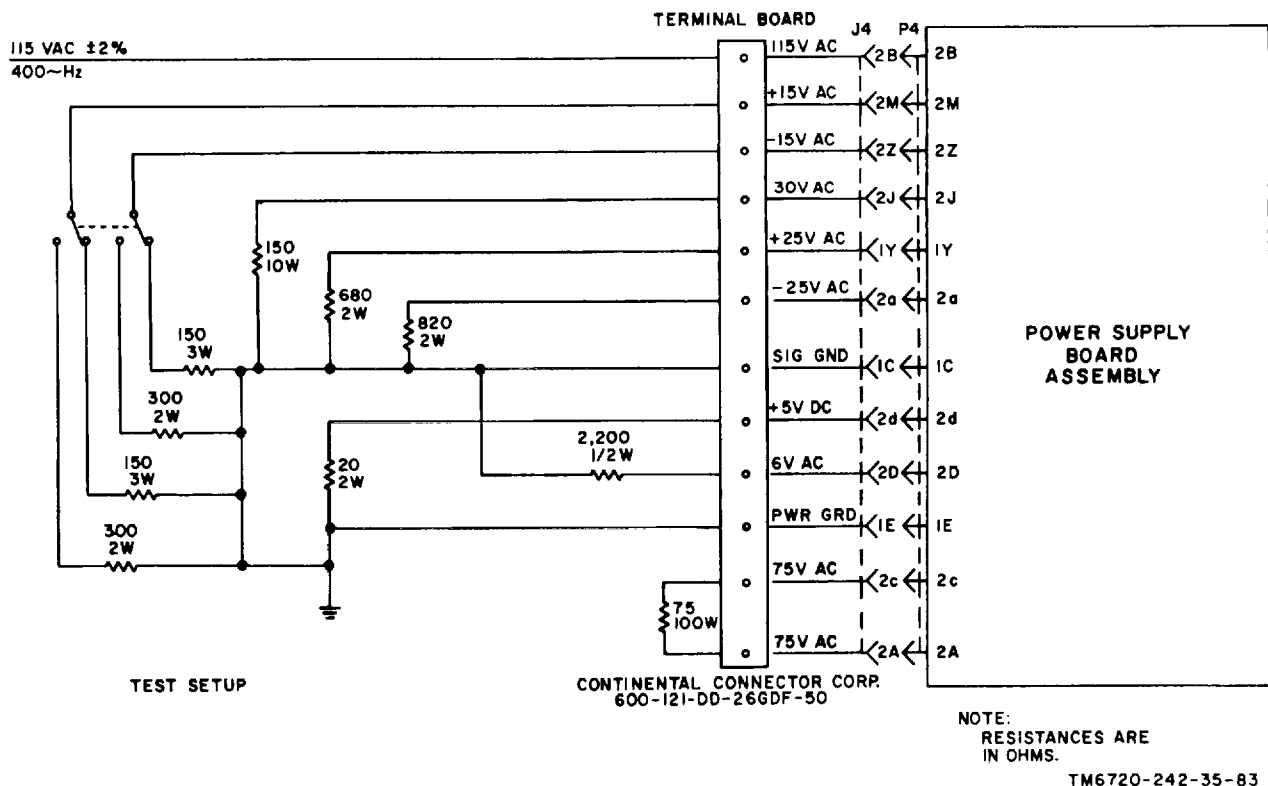
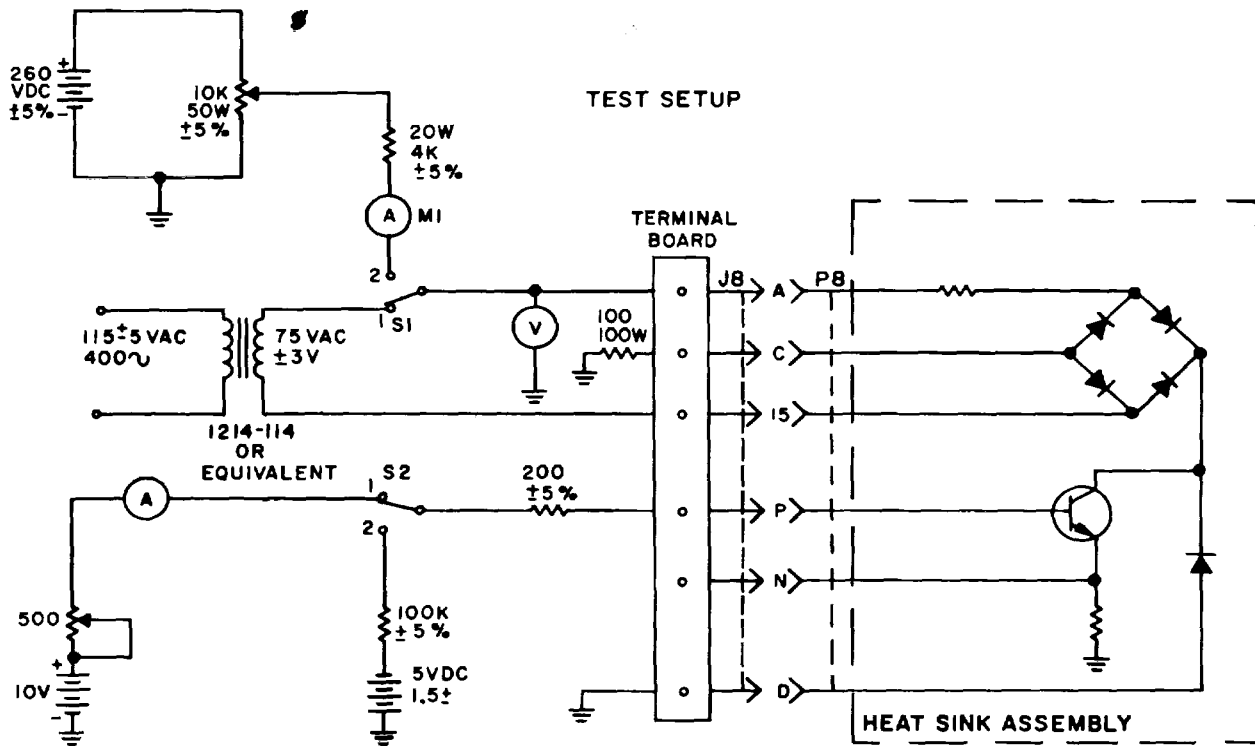


Figure 3-1. Power supply board assembly, test setup.



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Figure 3-2. Sean sink assembly, test setup.

(2) Troubleshooting camera control.

Item	Malfunction	Probable Cause	Corrective Action
1	No dc voltage outputs from power supply	Transformer T2	Perform test procedure (para 3 5) to isolate trouble.
2	No ac voltage outputs from power supply	Bridge rectifier	Same as above.
3	Dc circuit breaker 2CB1 cannot be reset.	Transformer T1	Perform test procedure (para 3 5) to isolate trouble.
4	Ac circuit breaker 2CB2 cannot be reset.	Defective magnetic circuit	Replace circuit breaker (para 3 27).
5	AEC network on interconnecting board	Defective magnetic circuit	Replace circuit breaker (para 3 27).
6	Output of AEC feedback potentiometer oscillates	Resistors R1 through R7 on interconnecting board	a. Check circuit wiring on interconnection board assembly (fig. 6 18). Connect an ohmmeter across terminal contacts and check continuity. b. Check each resistor to isolate the trouble and replace where needed.
7	AEC servomotor malfunctioning	Operation of AEC servomotor in camera body unstable	Check resistor R8 on interconnection board. Replace, if necessary. Refer to higher category of maintenance if resistor is good.
		Output of 0 A and , B control voltage on aec board assembly	Check capacitor C1 on interconnection board. replace if necessary. Refer to higher category of maintenance if capacitor is good.

(3) Troubleshooting control panel.

<i>Item</i>	<u>Malfunction</u>	<u>Probable Cause</u>	<u>Corrective Action</u>
1	Extra picture circuit does not function	EXTRA PICTURE switch S5	Check switch operation and replace if found faulty (fig. 6 11).
2	No V/H input to scaling network on control board assembly.	CAMERA SEL switch S4	Check switch operation and replace if necessary.
3	No +28 vdc or 115 vac power input to interface board assembly.	POWER switch S1.....	Check switch operation and replace if necessary.
4	Camera does not operate in autocycle mode	OPERATE switch S2	Check switch operation and replace if necessary.
5	No V/H voltage	V/H SEL switch S3.....	Check switch operation and replace if necessary.

(4) Troubleshooting magazine.

<i>Item</i>	<u>Malfunction</u>	<u>Probable Cause</u>	<u>Corrective Action</u>
1	Scratches on film.....	a. Burs on pressure plate..... b. Burs on film guides.....	a. Replace pressure plate assembly (para 3-40). b. Replace pressure roller assembly (para 3- 42).
2	Film disengages from sprockets	a. Spring in keeper block exhausted, a. damaged or left out b. Keeper rollers damaged	a. Install new spring in keeper block assembly (para 3-41). b. Replace keeper block assembly (para 341).
3	Adas image out of focus on film	a. Roller follower damaged..... b. Adas pressure plate twisted out of position	a. Replace pressure roller assembly (para 3-42). b. Turn adas pressure plate until it seats properly (fig. 3-17).
4	Film does not advance smoothly	a. Roller damaged or does not rotate b. Film guides bent or damaged	a. Replace pressure roller assembly (para 3-42). b. Replace pressure roller assembly (para 3-42).
5	Film spool cannot be properly attached to spindle	a. Damaged pivot on spindle assembly b. Damaged slot on film spool	a. Replace affected spindle assembly (para3-43). b. Replace film spool (par 844).
6	Film does not take up	Bent or damaged film spool	Replace film spool (para 344).

3-5. Signal Substitution Tests

a. *General.* The special test fixtures described in paragraph 33 provide necessary signal substitutions for testing a power supply board assembly and a scan heat sink assembly.

b. *Testing Power Supply Assembly.* Insert the power supply board assembly in the special test fixture shown in figure 3-1. A vacuum tube voltmeter will be needed.

NOTES

1. When the designated value or condition of a test is not obtained, trace the malfunctioning circuit in figure 6-17 to isolate the faulty part or assembly for replacement.

2. The pins designated in the following procedure refer to the test fixture.

(1) Set the power on.

(2) Set the test set. switch to position 1 and check for a meter reading of +15 +1 vdc between pins 2M and 1C.

(3) With the test set switch set to position 1 check for a meter reading of -165+1 vdc between pins 2Z and 1C.

(4) Reset test set switch to position 2 and check for a meter reading of + 15 + 1 vdc between pins 2M and 1C.

(5) With the test switch set to position 2, check for a meter reading of -15 +1 vdc between pins Z and 1Z.

(6) Check for a meter reading of 6+0.6 vac between pine 2D and 1C.

(7) Check for a meter reading of 29 + 8 vac between pins 2J and 1C.

(8) Check for a meter reading of +21 8S vdc between pins 1Y and 1C. Then check for a maximum meter reading of 4 vac, rms, between the same pins.

(9) Check for a meter reading of $-21 + 3$ vdc between pins 2A and 1C. Then check for a maximum meter reading of 4 vac rms, between the same pins.

(10) Check for a meter reading of $24 + 5$ vac between pins 2C and 2A.

(11) Check for a meter reading of $3.2 + 0.5$ vdc between pins 2D and 1E.

c. *Testing Scan Heat Sink Assembly.* Assemble the special test setup and connect it to the scan heat sink assembly as shown in figure 3-2. All measurements taken with a digital voltmeter.

NOTE

When the designated value or condition of the test is not obtained, trace the malfunctioning circuit in figure 6-16 to isolate the faulty part or assembly for replacement.

The pins designated in the following procedure refer to the test fixture.

(1) The scan heat sink assembly must be removed from the camera control with the wires still soldered to the connector. Refer to paragraph 3-22 for the heat sink assembly and paragraph 3-24 for the connector removal.

(2) Connect the heat sink connector to the test set connector and energize the circuits with an input of 115 ± 5 vac, 400 Hz.

(3) Set test set switch S2 to position 2 and switch S1 to position 1.

Section II. REPAIRS AND ALIGNMENTS

3-7. General Parts Replacement Techniques

a. With the exception of test points, electrical contacts and the mating surface of connectors; the wiring, assemblies and parts of the plug-in board assemblies are coated with an electrical insulating compound designated as conformable coat per MIL-I46058, Type ER (FS10006). The replacement of an assembly or part requires the removal of this coating and the procedure must be performed with care for the protection of the board and the component. Refer to d below for the type of coating and the solvent cleaner that is used.

b. When replacing an assembly or part, note its orientation and identify the points of electrical connections before removal.

c. Use a pencil-type soldering iron with a maximum capacity of 25 watts for soldering and unsoldering electrical connections. If an ac voltage only is available to heat the soldering iron, ALIGNMENTS connect an isolating transformer between the soldering

(4) Check for a maximum meter reading of 1 volt dc between pins C and D.

(5) Reset test fixture switch S2 to position 1 and adjust the current into pin P for a meter reading of 35 ± 5 milliamperes. Then check the voltage across pins C and D for a reading between 72 and 58 vdc. Check the voltage across pins N and D for a minimum reading of 0.15 vdc.

(6) Set test fixture switch S2 to position 2 and switch S1 to position 2.

CAUTION

The voltage across pins A and D (ground) must never exceed +215 vdc.

(7) Adjust test set potentiometer to obtain a meter reading of 10 milliamperes. Check for a meter reading between 180 and 210 vdc across pins A and D. Check for a reading that does not exceed 1.5 millivolts across pins N and D.

3-6. Isolating Trouble Within Stage

When a trouble has been localized to a stage or a circuit, use the following procedures to identify the defective part.

a. Check the suspected transistor, or other component in the circuit to which a trouble was localized.

b. If a voltage reading was abnormal, make point-to-point continuity checks of the circuit.

iron and the power source. Use longnosed pliers or another form of heat sink between the solder joint and the transistor.

d. To remove a component from a printed circuit board which is covered with an electrical insulating compound coating, a soldering iron is applied to the point where the component is soldered to the board. The heat from the iron softens and penetrates the coating and melts the solder, enabling the removal of the component. When the defective component has been replaced, it must be recovered with the insulating coating, the preparation of which is described below.

e. The materials required are PC12-007M (Part A) and PC12-007M (Part B), Hysol Corporation, Olean, N. Y.

WARNING

Avoid contact of the material with skin or eyes. If contact with the eye occurs,

irrigate with water and get medical attention immediately. Launder contaminated clothing before reuse.

(1) Stir part A and part B separately and warm each to a temperature that is between 1130 to 1220 F. (45° to 500 C).

(2) Weigh out 100 parts of part A and place in a container. Add 80 parts of part B, by weight, and mix the batch thoroughly. The pot life of the mixture is 1 1/2 hours, at room temperature.

(3) Clean the uncoated area with Chlorothene Nu, Dow Chemical Co.; or Methyl Alcohol purchased as Colombian Spirits, or with Denatured Ethyl Alcohol, purchased as Synasol.

(4) Mask test points, electrical contacts, and mating surfaces of connectors. Make certain adjustable parts are not made inoperable by the coating.

(5) Apply a coat of the compound that is between 0.001 and 0.006 inch in thickness. Fillets requiring rigidity are not subject to these dimensions.

(6) Cure the coated assembly for 4 hours at a temperature of 1490° 10° F. (650° 100 C).

(7) Shelf life of the material, in unopened containers and at a temperature of 770 F. (250 C.), is 6 months. Refrigeration below 20° (-6.70 C.) may extend the life to 1 year.

f. Coat the threads of attaching screws with glyptal 7526F, General Electric Co.

g. The repair and alinement procedures are grouped as follows:

(1) Body Drive, Aircraft Camera LA-411A (para 3-9).

(2) Control, Aircraft Camera LA-412A para 3-16).

(3) Panel, Control Aircraft Camera LA413A (para 331).

(4) Magazine, Film LA-410A (para 339).

3-8. Considerations Before Disassembly

a. The exploded views which are used as reference in the removal, disassembly, reassembly, and installation procedures show all assemblies and parts removed from a component. But the step-by-step instructions of this section limit disassembly to a minimum of practicality by the removal of only those parts that are to be replaced or repaired. Disassembly for the purpose of repairing or replacing a part, should

not be performed until the localization and isolation of the malfunctioning part has been established. However, in some cases such as the power supply assembly removal of the board assembly requires almost a complete disassembly of the power supply unit.

b. Reassembly and installation procedures are mostly a reversal of the disassembly and removal procedures but where dimensions, special conditions, or application of materials are to be observed, the reassembly and installation procedures include this pertinent information and must not be ignored.

3-9. Repair and Alinement of Body Drive, Aircraft Camera LA-41 1A Components

Procedures for the repair and alinement of the camera body assemblies and parts by direct support personnel are contained in the following paragraphs.

3-10. Removal and Installation of AEC Assembly

NOTE

In addition to the aec mechanism, the aec assembly includes the cathode ray tube and an associated lens and mirror assembly of the adas system, the cam follower of the imc system, and the end of film switch. Maintenance at the direct support level is limited to the removal and replacement of an aec assembly from the camera body. Repairs and replacements of aec assembly components are the functions of higher maintenance personnel.

a. *Removal.*

(1) Remove four screws (6, fig. 3-4 (1)) attaching dust cover (5) to aec housing (24, fig.

3-4 (2) and camera body.

(2) Disconnect the electrical connector (68, fig. 33 (2)) of the aec harness assembly with care to prevent damage to the pins. Rotate the two captive screws of connector (68) alternately, a turn or two at a time. This will withdraw the connector pins from the mating sockets of the camera body connector in a straight line.

(3) Remove six screws (25, fig. 34 (2)) securing aec assembly (24) to the camera body housing. Lift the aec assembly out of the housing vertically.

b. *Installation.*

(1) The installation of an aec assembly is the reverse of the removal procedures of a above.

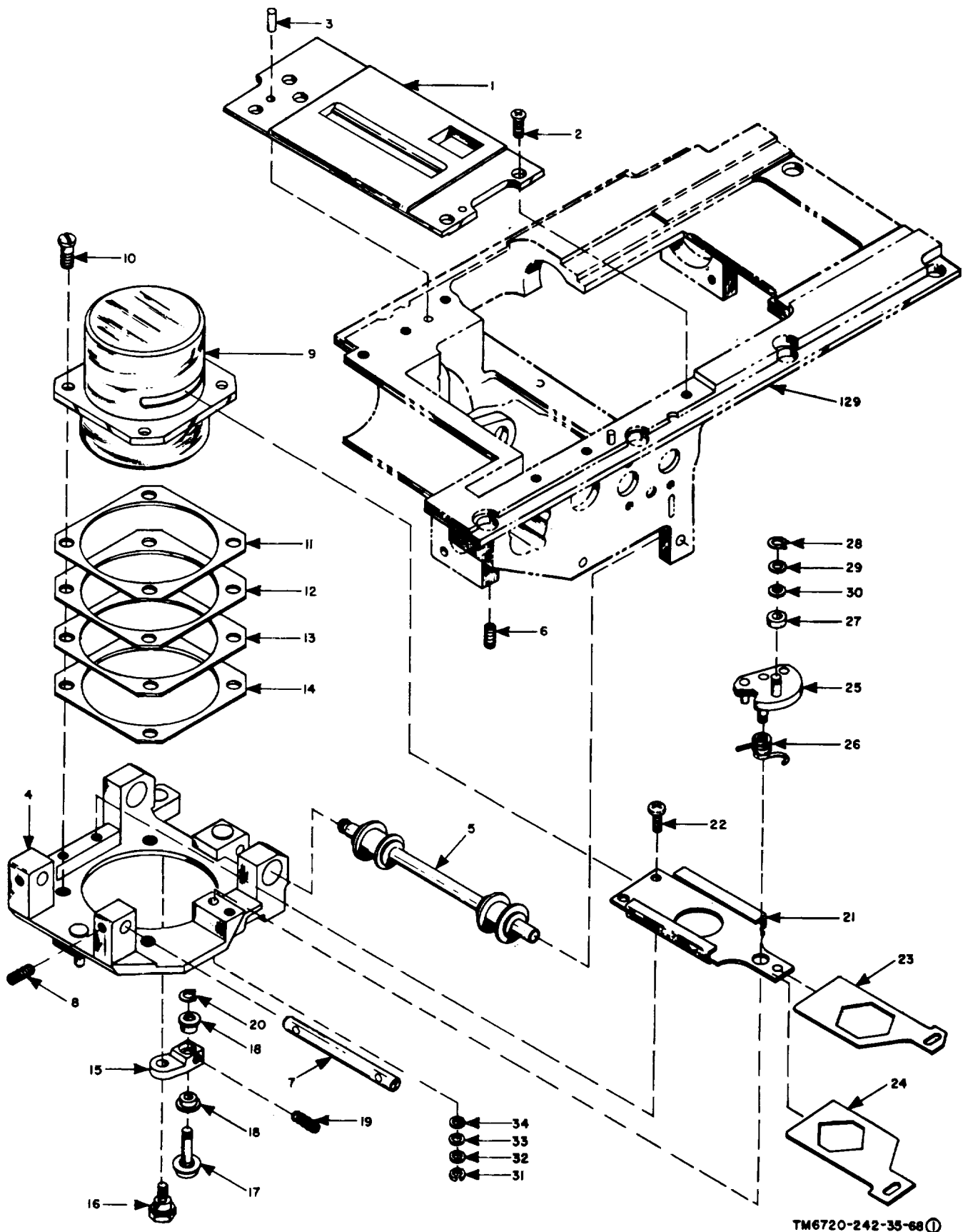


Figure 3-3. Aec assembly, exploded view (part 1 of 4)
Change 3 3-8

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1	Focal plate (MP66)	14	Shim (MP105)	24	Lower diaphragm blade (MP8)
2	Screw (H44-47)	15	Cam follower arm (MP5)	25	Pivot plate (MP64)
3	Pin (MP59-60)	16	Screw (shoulder) (H8)	26	Spring (MP117)
4	Carriage assy (MP41)	17	Cam follower (MP26-27)	27	Ball bearing (MP20)
5	Shaft and bushing (MP88)	18	Bearing (MP12-15)	28	Retainer ring (MP70)
6	Set screw (MP82)	19	Spring (MP112)	29	Spacer (MP377)
7	Shaft (MP89)	20	Retaining ring (MP68-69)	30	Spacer (MP378)
8	Set screw (MP80-81)	21	Diaphragm guide blade (MP52)	31	Retainer ring (MP71)
9	Lens assy (MP57)	22	Screw (H34-38)	32	Spacer (MP377)
10	Screw (H40-43)	23	Upper diaphragm blade (MP9)	33	Spacer (MP378)
11	Shim (MP102)			34	Spacer (MP379)
12	Shim (MP103)			129	Housing (MP55)
13	Shim (MP104)				

Figure 3-3(1)-Continued.

and conformity to the following special instructions.

(2) Rotate the imc shaft assembly (144, fig. 3-4 (6)) until the slot in coupling (15.56) is vertical and the shaft pin in the slot is pointed upward. Cam (160) on the opposite end of shaft (169) will then be positioned for insertion into the cam follower (17, fig. 3-3 (1)) on the carriage assembly (4, fig. 3-3 (1)).

(3) Hold the aec assembly as shown in figure 3-5 and lower it into the body drive housing. The two pins extending downward from the carriage must be inserted in the respective counterweight arms and the imc cam will then be inserted into the cam follower on the carriage assembly without force.

3-11. Removal and Replacement of Sensitive Switch (Puck Switch)

a. *Removal.*

(1) Tag and disconnect the wire leads from puck switch (43, fig. 3-4 (2)).

(2) Loosen the adjusting screw and remove screw (44) from the bracket. Remove the puck switch.

b. *Replacement.*

(1) Install a new puck switch on switch bracket (39) in the reverse of the removal procedures. Adhere to the following alignment instructions:

(2) See that the switch bracket (39) is mounted so that the switch actuator and the white line on the cam form a straight line (fig. 3-6). Apply glyptal (adhesive) to edge of the two switch -racket screws, overlapping slightly onto bracket surface.

(3) Adjust the switch position with the adjusting screw so that the switch is actuated when the switch actuator and the red line on the cam forms a straight line. After adjustment, apply glyptal to both puck switch adjusting screws.

3-12. Removal and Replacement of Servo Motor Friction Clutch

a. *Removal.*

(1) Remove aec assembly from camera body (para 3-10).

(2) Remove three screws (43, fig. 3-3 (2)) securing servo motor (44).

(3) Release motor support (55) by loosening screw (46) and nut (45).

(4) Withdraw motor.

(5) Remove friction clutch (47) from the motor shaft by removing two screws. Do not remove retaining ring (48).

b. *Replacement.*

(1) Install a new friction clutch on the shaft of servo motor (44). Apply glyptal 752F (GE) to the threads of attaching screws.

(2) Mount servo motor (44) in the reverse sequence of the removal procedures.

3-13. Removal and Replacement of Photocell Window

a. *Removal.*

(1) Remove cover assembly (7, fig. 3-4 (1)).

(2) Dissolve adhesive with methyl-ethylketone (MEK) to remove the glass (38, fig. 3-4 (2)), scrape recess clean with sharp blade.

b. *Replacement.*

(1) Apply a coating of adhesive M6123 (U.S.

Royal No. 89616) sparingly to the three edges of window glass (38).

(2) Insert the glass into the recess and press the cement into contact with the metal. Be certain no excess of cement is forced into the inside area and that the adjacent gear has ample rotational freedom.

(3) Clean both glass surfaces to permit a full penetration of light.

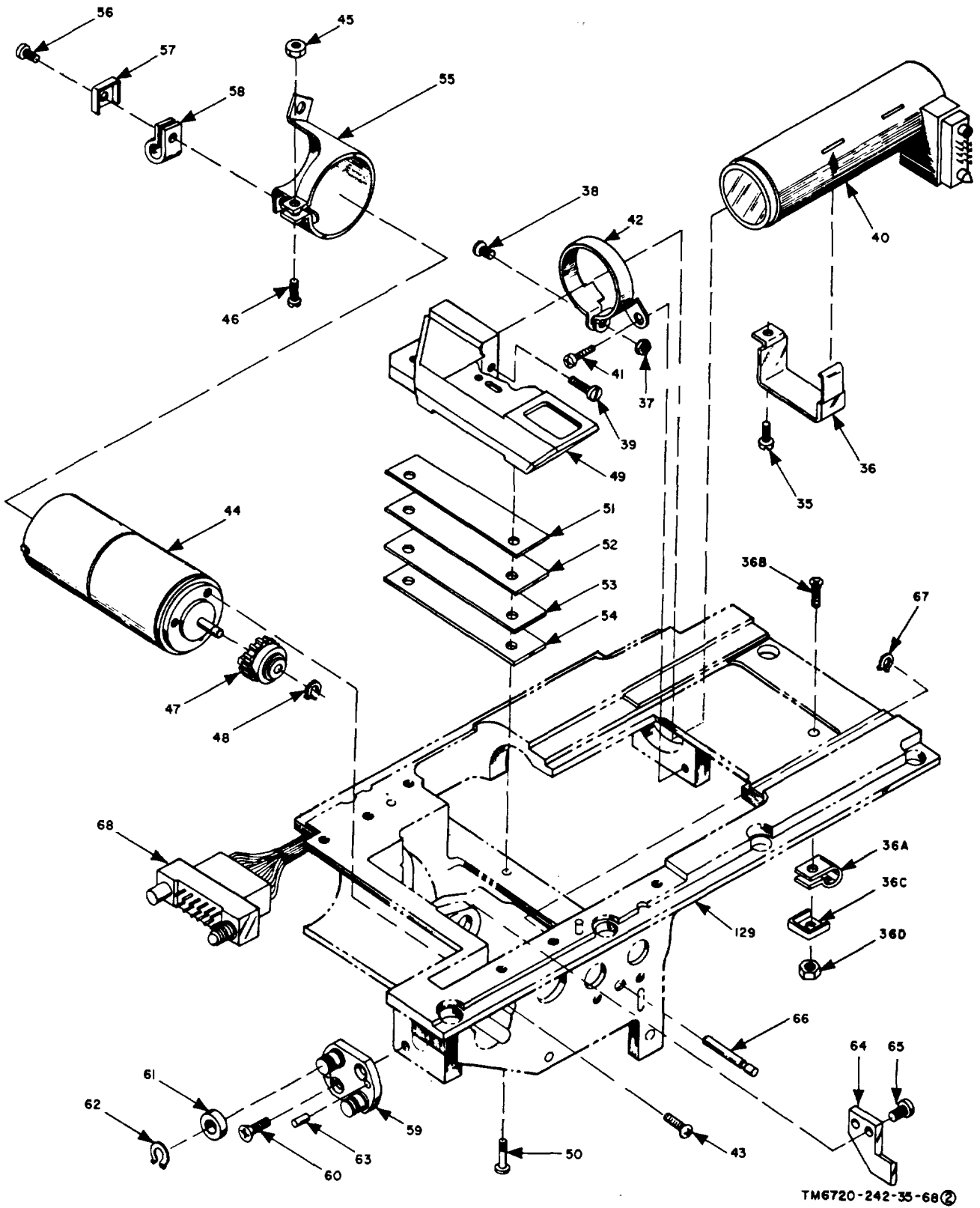


Figure 3-3. Aec assembly, exploded view (part 2 of 4).

35	Screw (H34-38)	45	Nut (H48-49)	57	Washer (saddle) (H554)
36	Clamp (1P42-43)	46	Screw (H50-51)	58	Clamp (MP817)
36A	Clamp (MP45)	47	Gear and clutch assembly (MIP50)	59	Bearing plate (MP23)
36B	Screw (H28)	48	Retaining ring (P/O MP50)	60	Screw (H13-14)
36C	Washer (saddle) (H30)	49	Lens-mirror assy (MP56)	61	Bearing (MP21-22)
36D	Nut (H27)	50	Screw (H22-26)	62	Retaining ring (MP74-77)
37	Nut (H48-49)	51	Shim (MP107)	63	Pin (MP61-62)
38	Screw (H50-51)	52	Shim (MP108)	64	Cam stop (MP119)
39	Screw (H552)	53	Shim (MP109)	65	Screw (H15-19)
40	RHA (ADAS) (V1)	54	Shim (MP110)	66	Shaft (NMP90)
41	Screw (H9)	55	Support (MP120)	67	Retaining ring (MP75)
42	Clamp (MP44)	56	Screw (H553)	68	Wiring harness (W1)
43	Screw (H10-12)			129	Housing (MP55)
44	Motor (MP51)				

Figure J-3(2)-Continued.

3-14. Removal and Replacement of Photocell Assembly 1A2

a. *Removal.*

(1) Remove 16 screws (14, fig. 3-4 (1)), securing cover (13) to housing (198).

(2) Remove 8 screws (16) securing electrical connectors J1 and J2 to the receptacle of cover (13). Remove the two connectors and the backplate (17).

(3) The three wires from the photocell assembly (36, fig. 3-4 (2)) are color coded. As each wire is removed from connector J1, tag it with its identifying pin letter.

(4) Remove the cable clamp and break the lacing securing the photocell wires to the harness.

(5) Clench pin g of connector J1 with extracting tool MS24256 R20 and force the pin down through the connector until it is free. Tag the wire as pin g.

(6) Repeat (5) above for the removal of pin h.

(7) Repeat (5) above for the removal of pin j.

(8) Remove two screws (37) securing photocell assembly (36) to the housing.

b. *Replacement.*

(1) Install a photocell assembly (36) in the camera body in the reverse sequence of its removal.

(2) Check for sufficient clearance between photocell assembly (36) and adjacent gear.

(3) Coat the threads of the attaching screws with glyptal 7526F (GE).

3-15. Removal and Replacement of Recording Head Assembly and Clamps (fig. 3-3(2))

CAUTION

At the initial installation, connector 1P2 is securely tied down (fig. 3-21).

Before installing the rha, the ties must be cut.

a. *Removal*

(1) Remove the aec assembly from the body housing (para 3-10).

(2) Remove the single screw (35) securing each clamp (36) to the housing (129).

(3) Disconnect connector 1P2 (fig. 3-21). Use care to prevent damage to the connector pins by rotating the connector mounting screws alternately one turn until the connector is free.

(4) Release the cable by removing screw (36B) and nut (36D) which secure the clamp (36A) and saddle washer (36C).

(5) Loosen the nut (37) from the screw (38), then remove the two screws (41) securing the clamp (42).

(6) Loosen the screw (39) to release the rha (40) from the lens and mirror assembly (49). Withdraw the rha carefully.

CAUTION

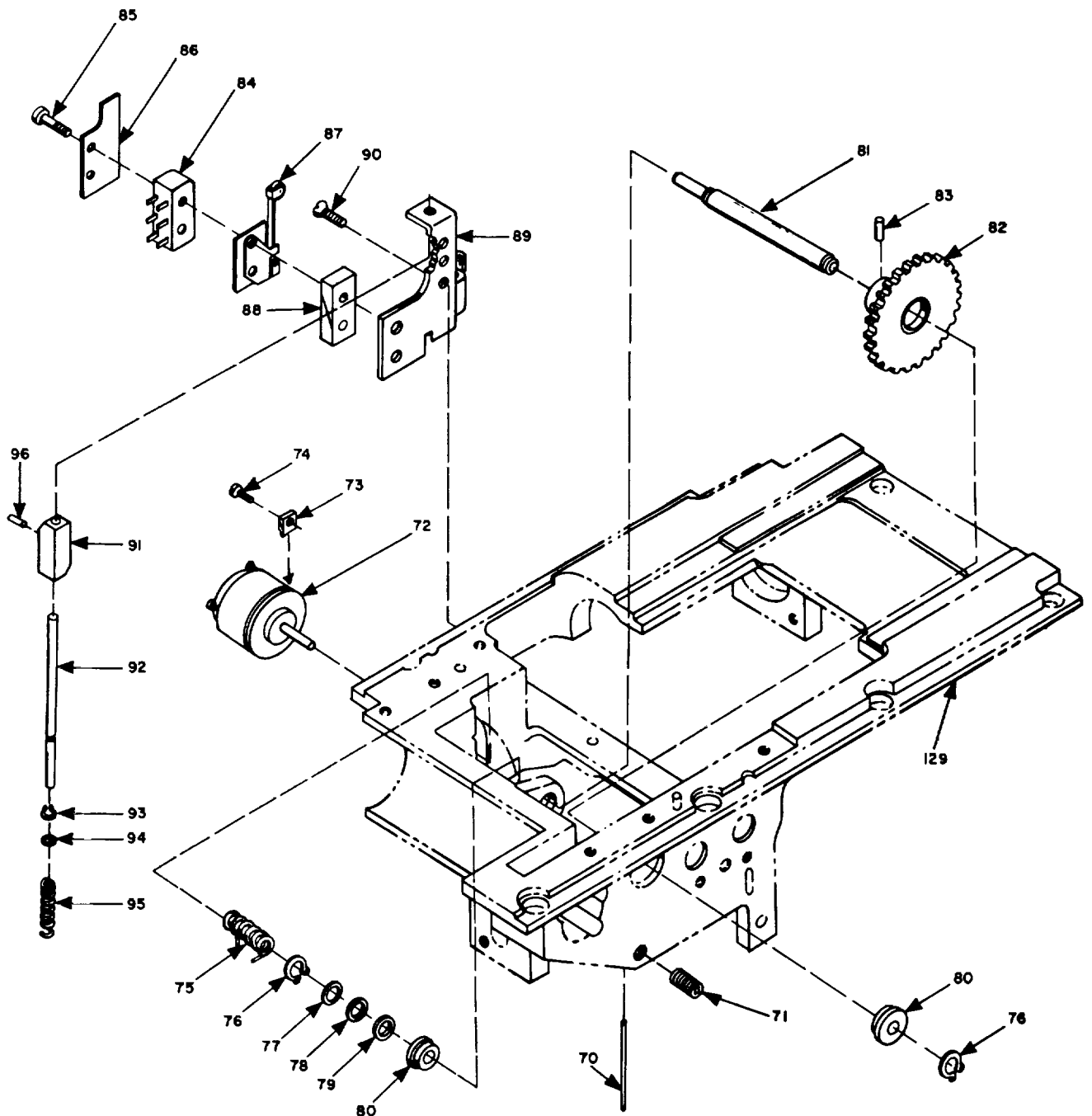
When replacing the rha, make certain that the new assembly is compatible with the data annotation system of the aircraft in which the camera is used. The assemblies and systems are as follows:

AN/AYA-5 Bowmar annotation system RHA
1214398

AN/AYA-10 Hiller annotation system RHA
1214-418

NOTE

If not already done, a 3/8-inch portion of sleeving must be removed from the clamps (36) to prevent the tip of the clamp from pulling out of its mating slot in the rha (40). Figure 3-21 illustrates the clamps before and after the removal of the sleeving.



- | | | | | | |
|----|--------------------------|----|--------------------------|-----|-----------------------|
| 70 | Spring (MP118) | 80 | Bearing (MP18-19) | 90 | Screw (H54-55) |
| 71 | Set screw (MP79) | 81 | Cam shaft (MP31) | 91 | Actuator (MP85) |
| 72 | Potenti/center (R1) | 82 | Cam & gear assy (MP29) | 92 | Shaft (MP87) |
| 73 | Clamp (MP4749) | 83 | Pin (stop) (MP30) | 93 | Retaining ring (MP72) |
| 74 | Screw (H31-33) | 84 | Switch, end of film (S1) | 94 | Washer (MP123) |
| 75 | Spring (MP113) | 85 | Screw (H55-556) | 95 | Spring (MP114) |
| 76 | Retaining ring (MP74-77) | 86 | Plate (MP65) | 96 | Pin (spiral) (MP86) |
| 77 | Spacer (MP97) | 87 | Actuator (rMP4) | 129 | Housing (MP55) |
| 78 | Spacer (MP98) | 88 | Nut plate (MP67) | | |
| 79 | Spacer (MP99) | 89 | Bracket (MP11) | | |

Figure 3-3. Aec assembly, exploded view (part 3 of 4)

Change 3 3-12

b. Replacement. Install the rha and clamps in the reverse order of removal.

CAUTION

If the rha is not being replaced, the clamps (42, 36, and 36A, fig. 33 (2)) must be securely screwed down to the aec housing and the connector 1P2 must be securely tied down to prevent damage to the camera. Figure 3-21 illustrates the connector 1P2 in the tied down condition.

3-16. Repair and Alignment of Camera Control Components

Procedures for the repair and alignment of the camera control assemblies and parts by direct support personnel are contained in the following paragraphs 3-17 through 3-30. Observe normal precautions when repairing the camera control.

3-17. Removal and Replacement of Camera Control Connector Covers (fig. 3-18)

NOTE

A single procedure is given for removing all three electrical connector covers.

a. *Removal.*

(1) Remove the connector cover (22, 23, or 24) from the electrical connectors 2J1, 2J2, and 2J3.

(2) Remove the single screw (25) securing the connector cover chain to the front panel.

b. *Replacement.* Attach the chain of a connector cover (22, 23, or 24) to the front panel in the position shown in figure 3-8. Apply glyptal to the screw threads.

3-18. Removal and Replacement of Control Panel Shielding Gasket (fig. 3-8)

a. *Removal.* Remove cover (1). Pry shielding gasket (34) from the recess in the inside face of front panel (28). Clean the recess thoroughly.

b. *Replacement.*

(1) Cut a strip of shielding gasket (34) on the bias and in sufficient length to encircle the recess in the back of panel (28).

(2) Apply a 1/8-inch dab of epoxy adhesive in each of the four corners and the approximate centers of the recess.

(3) Start the installation of the shielding gasket at the vertical center of the recess and press it into the dab of epoxy adhesive. Apply a second dab of epoxy adhesive under the terminating end of the gasket, which should butt against the starting end.

3-19. Removal and Replacement of Scan Board Assembly (fig. 3-8)

a. *Removal.*

(1) Remove cover (1).

(2) Remove scan board assembly (6) by withdrawing it straight out to disengage the contacts from the mating connector without damage. A wire device that will hook into the hole that is in each rear corner of the board assembly can be easily contrived and it will reduce the possibility of damage to parts.

b. *Replacement.*

(1) Install the scan board assembly in the bottom slide of the Control, Aircraft Camera LA-412A chassis with the component side of the board facing down.

(2) A further check of the orientation should be made by coordinating the index in the electrical contacts of the board with the position of the index key in the electrical connector, into which the board is inserted. Then press the board into place.

(3) Make certain the board is fully and squarely seated in the mating electrical connector.

3-20. Removal and Replacement of Control Board Assembly (fig. 3-8)

a. *Removal.* The procedures for removing the control board assembly are identical to the removal of the scan board assembly (para 319a).

b. *Replacement.* Replace a control board assembly by following the procedures of paragraph 3-19b, except that the control board assembly is installed in the center slide of the chassis and with the component side facing up.

3-21. Removal and Replacement of AEC Board Assembly (fig. 3-8)

a. *Removal.* The procedures for removing the aec board assembly are identical to the removal of the scan board assembly (para 3-19a).

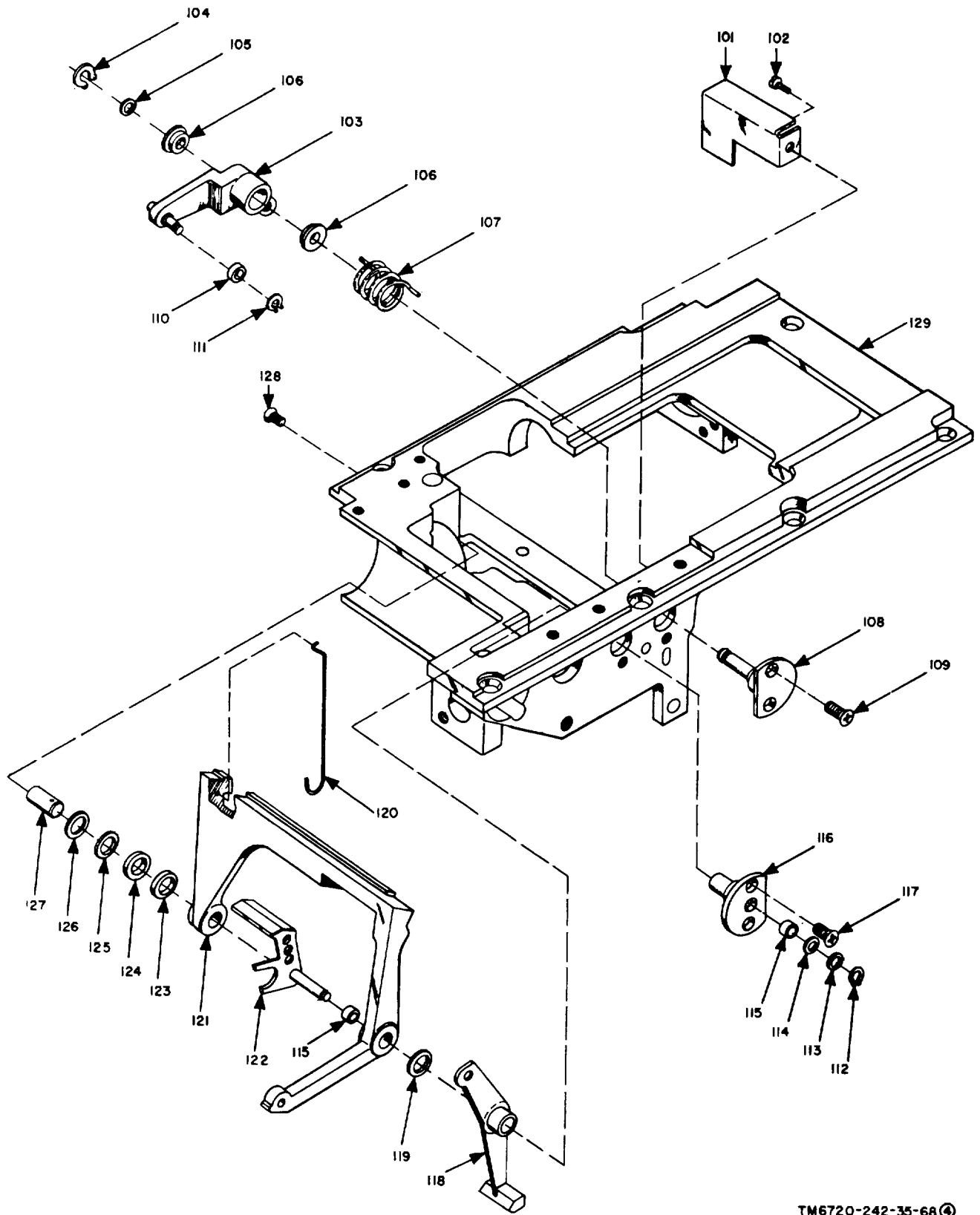


Figure 3-3. Aec assembly, exploded view (part 4 of 4)
Change 3 3-14

101	Light baffle (MP6)	110	Bearing (MP20)	120	Spring (MP115)
102	Screw (H20)	111	Retaining ring (MP38)	121	Shutter blade (MP10)
103	Capping link (MP32)	112	Retaining ring (MP68-72)	122	Capping blade (MNF7)
104	Retaining ring (MP73)	113	Spacer (MP377)	123	Spacer (MP92)
105	Spacer(laminated) (MP100)	114	Spacer (MP378)	124	Spacer (MP93)
106	Bearing (MP16-17)	115	Bushing (MP24-25)	125	Spacer (MP94)
107	Spring (MP112)	116	Trunnion (shutter blade) (MP121)	126	Spacer (MP95)
108	Trunnion (capping link) (MP12:	117	Screw (H58-59)	127	Stud (MP63)
109	Screw (H5657)	118	Diaphragm link (MP58)	128	Screw (self-locking) (MP83)
		119	Spacer (MP111)	129	Housing (MP55)

Figure 3-3(4)-Continued.

b. *Replacement.* Replace an aec board assembly by following the procedures of paragraph 319b, except that the aec board assembly is installed in the top slide of the chassis and with the component side facing down.

3-22. Removal and Disassembly of Scan Heat Sink Assembly

a. *Removal* (fig. 3-8).

(1) Remove the aec board assembly (4), control board assembly (5), and scan board assembly (6).

(2) Remove nut (12), saddle washer (13), screw (4), and clamp (15) securing the harness to the front panel. Break the harness lacing.

(3) Remove the two screws (10) and washers (11) securing electrical connector (9).

(4) Remove the four screws (17) securing the heat sink assembly (16) to sub-classes (36).

(5) If isolation of a malfunctioning part is required before disassembly, refer to paragraph 3-5 for the test procedures.

b. *Disassembly* (fig. 3-9).

(1) As the disassembly of the heat sink is obvious, no detail procedures, except the following, are described.

(2) Before disconnecting an electrical part, tag each wire so that correct reconnection can be made.

3-23. Reassembly and Installation of Scan Heat Sink Assembly

a. *Reassembly* (fig. 3-9).

(1) Reassemble the scan heat sink assembly to the extent parts were removed and conform to the following special instructions.

(2) Apply silicone grease, DC340 to the contacting surfaces of the heat sink (7) and the following listed parts: Mica washer (11) of diodes VR1 and CR1 through CR4 (8). Mica washer (3) of transistor Q1 (1).

(3) Apply glyptal to the threads of attaching screws.

(4) When assembling rectifiers CR1 through CR4 and voltage regulator VR1, torque the nuts between 10 inch/pounds, minimum and 13 inch/ pounds, maximum.

(5) When assembling transistor Q1 torque the nut between 25 inch/pounds, minimum and 30 inch/pounds, maximum.

(6) Connect the components with No. 20 AWG, Type S, tempered soft or drawn and annealed, tin coated wire. Cover with insulation sleeving No. 20 AWG. The connection points are as follows (fig. 6-34):

<i>From</i>	<i>To</i>
CR1-A.....	CR2-C
CR2-C.....	E1 (R1)
CR3-A.....	CR4-C
CR1-C.....	CR3-C
CR3-C.....	VR1-C
VR1-C.....	Q1-C
VR1-A.....	E3 (R2)
E4(R2).....	Q1-E
CR2-A.....	CR4-A

b. *Installation* (fig. 3-8). Installation of the heat sink assembly is a reversal of the removal procedures of paragraph 3-22a.

3-24. Removal and Replacement of Heat Sink Electrical Connector (fig. 3-8)

a. *Removal.*

(1) Tag and remove wires from connector P8 (9).

(2) Remove two screws (10) and washers (11) securing connector (9) to the bracket (29).

(3) Remove the bracket (29) by removing the two screws (30).

b. *Replacement.*

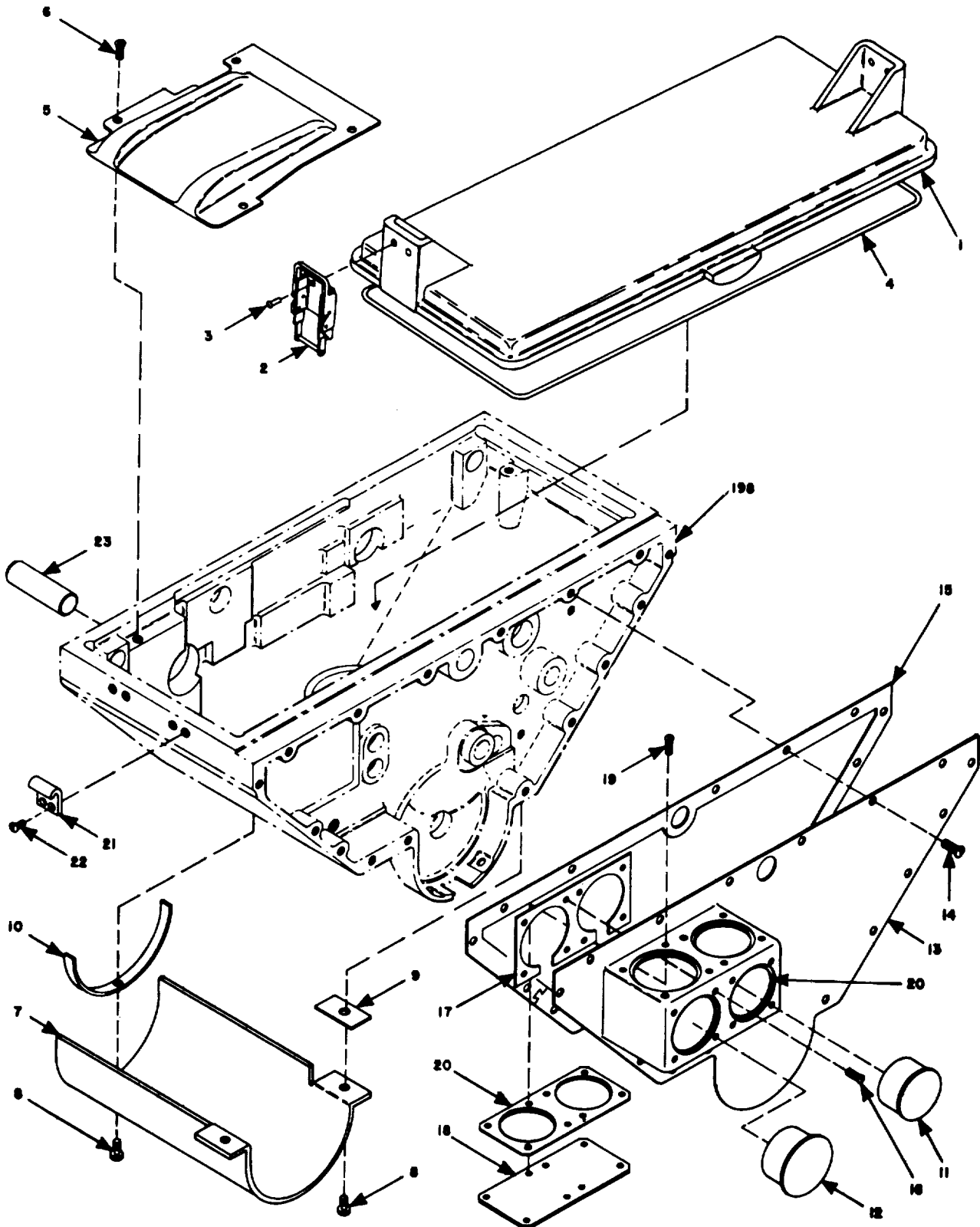
(1) Rewire connector P8 (9).

(2) Complete the installation in the reverse sequence in which the parts were removed. Apply glyptal to the threads of the attaching screws.

3-25. Removal and Disassembly of Power Supply Assembly

a. *Removal* (fig. 3-8).

(1) Remove the aec board assembly (4), control board assembly (5), and scan board assembly (6) from the sub-classes (36) to prevent damage.



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Figure 3-4. Body, exploded view (part 1 of 6)

Change - 3-16

1	Dust cover (transit body cover) (MP181)	13	Cover (MP186)
2	Catch (luggage catch) (M.P179-180)	14	Screw (H103-124)
3	Rivet (H95-98)	15	Gasket (shielding gasket) (MP188)
4	Gasket (MP182)	16	Screw (H,164471)
6	Cover (MP183)	17	Nut plate (MP258)
6	Screw (H99-102)	18	Cover (MP265)
7	Cover (prism cover) (MP268)	19	Screw (H176-185)
8	Screw (MP272-274)	20	Gasket (MP186187)
9	Gasket (MP269-Z70)	21	Strike (MP40-4043)
10	Glet (MP271)	22	Screw (H125-126)
11	Dust cap (MP169)	23	Pin (MP263)
12	Dust cap (MP170)	198	Housing (MP204)

(2) Remove the four screws (8) from the underside of chassis (36) and withdraw the power supply assembly (7) from the mating connector.

(3) If malfunctioning has not been isolated to a part, refer to paragraph 3-5 and perform the test procedures before disassembly.

b. *Disassembly* (fig. 3-10).

NOTE

Before removing an electrical part, note its orientation and tag the connection points.

(1) Remove four screws (2), lockwashers (3), and flatwashers (4) attaching the two covers (1) to the assembled angles (6 and 7). Separate the angles. A pad (5) is cemented to the inside of each cover (1) and unless damaged need not be disassembled.

(2) Remove screw (9) and saddle washer (10) attaching cable clamp (11) to angle (7). This will give leeway to harness (8)

(3) From the outer surface of angle (6) remove the two screws (13) attaching transformer (12) and transformer (14).

(4) Remove four screws (13) attaching power supply board assembly (16) to the two bars (15), attached to angle (6). Withdraw the board assembly.

(5) Position the board assembly (16) with the wiring side facing up and indicate the connection point on each wire. Then unsolder the wires from the connection points on the board assembly (16).

3-26. Reassembly and Installation of Power Supply Assembly

a. *Reassembly* (fig. 3-10).

(1) Reassemble the power supply assembly in reverse of the disassembly procedures described in paragraph 3-25b above and in accordance with the following special instructions.

(2) The positioning of the board assembly (16) on angle (6) is critical and the dimensions shown in figure 3-11 must be maintained.

(3) The positioning of the two bars (15, fig. 3-10) on angle (6) will govern the positioning of the board horizontally. The slots through which the attaching screws are threaded into the bars permit the adjustments needed to obtain the designated vertical dimension.

(4) Mount the two bars (15) on angle (6) but do not tighten the screws. Position the board over the bars and thread screws (13) into the bars from the underside of angle (6). Do not fully tighten the screws.

(5) Adjust the board to comply with the 0.905-inch dimension shown in figure 811. The holes through which screws (13, fig. 3-10) are threaded into bars (15) are oversized to permit movement. When the measurement has been obtained, tighten screws (13).

(6) Readjust the board until it extends beyond angle (6) a distance of 0.336 inch and its elevation in the slot complies with the 0.462-inch dimension shown in figure 3-11.

(7) Tighten the four screws (13, fig. 3-10) and recheck the dimensions.

(8) Test the reassembled power supply assembly as described in paragraph 3-5.

b. *Installation of Power Supply Assembly* (fig. 38).

(1) Install the power supply assembly in the reverse sequence of the removal procedures of paragraph 3-25a.

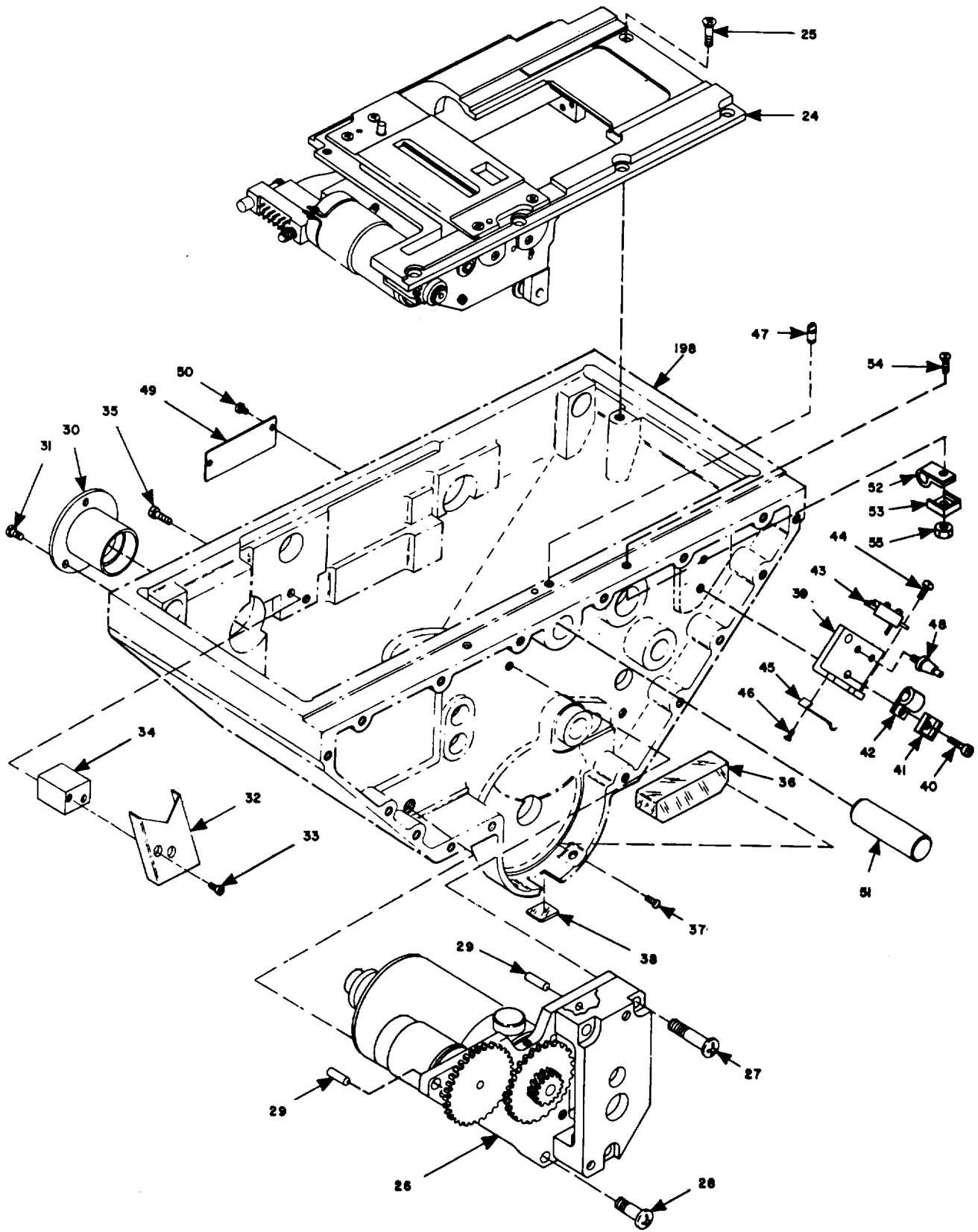
(2) Coat the bottom of the power supply housing and the contacting area of the chassis with silicone grease.

(3) Coat the threads of the attaching screws with glyptal.

3-27. Removal and Replacement of Ac and Dc Circuit Breakers (fig. 3-8)

NOTE

A single procedure is given for the removal and replacement of both circuit breakers.



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Figure S-4 . Body, exploded view (part 2 of 6).

Change 3 3-18

24	AEC Assembly (IA1A1)	40	Screw (H548)
25	Screw (H2-H7)	41	Washer (H549)
26	Assembly, motor, gears, and tachometer-generator (IA1A3)	42	Clamp (MP816)
27	Screw (H150)	43	Puck switch (S1)
28	Screw (M144-145)	44	Screw (H214)
29	Pin (MP814-815)	45	Actuator (MP1)
30	Motor support (MP404)	46	Screw (H1)
31	Screw (H87-H89)	47	Pin (MP264)
32	Shield (MP362)	48	Terminal (E3-E4)
33	Screw (H208-209)	49	Identification plabe (MP266)
34	Block (MP126)	50	Screw (H176185)
35	Screw (H550-551)	51	Pin (MP263)
36	Photo cell assembly (1A1A2)	52	Clamp (MP173-175)
37	Screw (H131-132)	53	Washer (H80-82)
38	Window (MP410)	54	Screw (MPH77)
39	Bracket (MP128)	55	Nut (H75-76)
		198	Housing (MP204)

Figure 3-4(2)-Continued

a. *Removal.*

(1) Loosen the captive screw (2), washer (3), and dzus fastener securing the cover assembly (1) to the chassis assembly (36).

(2) Pull out the aec board assembly (4), control board assembly (5) and scan board assembly (6) from chassis assembly (36) to prevent damage.

(3) Remove the two screws (10) and washers (11) securing the electrical connector (9).

Remove nut (12) saddle washer (13), screw (14) and clamp (15) securing the harness to the front panel.

(4) Remove the four screws (17) securing the heat sink assembly (16) to the chassis assembly (36). Support the heat sink assembly after its removal to prevent excessive strain on the wire connections.

(5) Disconnect the wire leads from the circuit breaker terminals.

(6) Remove nut (20) and washer (21) securing the circuit breaker (18 or 10) to the front panel.

(7) Withdraw the circuit breaker from the front panel.

b. *Replacement.*

(1) Attach a new circuit breaker to the front panel of the camera control in the reverse sequence the parts were removed. Apply glyptal to the threads of the attaching screws.

(2) Reinstall the heat sink assembly (16), the plug-in scan board assembly (6), control board assembly (5), and aec board assembly (4), and attach electrical connector (9) and clamp (15).

(3) Attach the camera control cover (1) and secure with captive screw and dzus fastener.

3-28. Removal and Disassembly of Interconnecting Board Assembly

a. *Removal* (fig. 3-8).

(1) Remove the aec (4), control (5), and scan board (6) assemblies from sub-classes (36). Remove power supply assembly (para 3-25).

(2) Remove heat sink electrical connector (para 3-24a, except step (1)).

(3) Remove heat sink assembly (para 3-22).

(4) Remove connector covers (para 3-17).

(5) Remove the three remaining screws (25) securing each electrical connector to the front panel (28).

(6) Remove interconnecting board assembly (35) from the three posts which attach it to panel (28) by removing three screws (26). Two of the attaching screws are located below electrical connector J7 at the outer edges of the board. The third screw is located in the lower center of the board. Remove the board. The three post remain attached to interconnecting board assembly (35).

b. *Disassembly of Interconnecting Board Assembly* (fig. 3-12).

(1) Remove two posts (1) by removing screws (2) and washers (3).

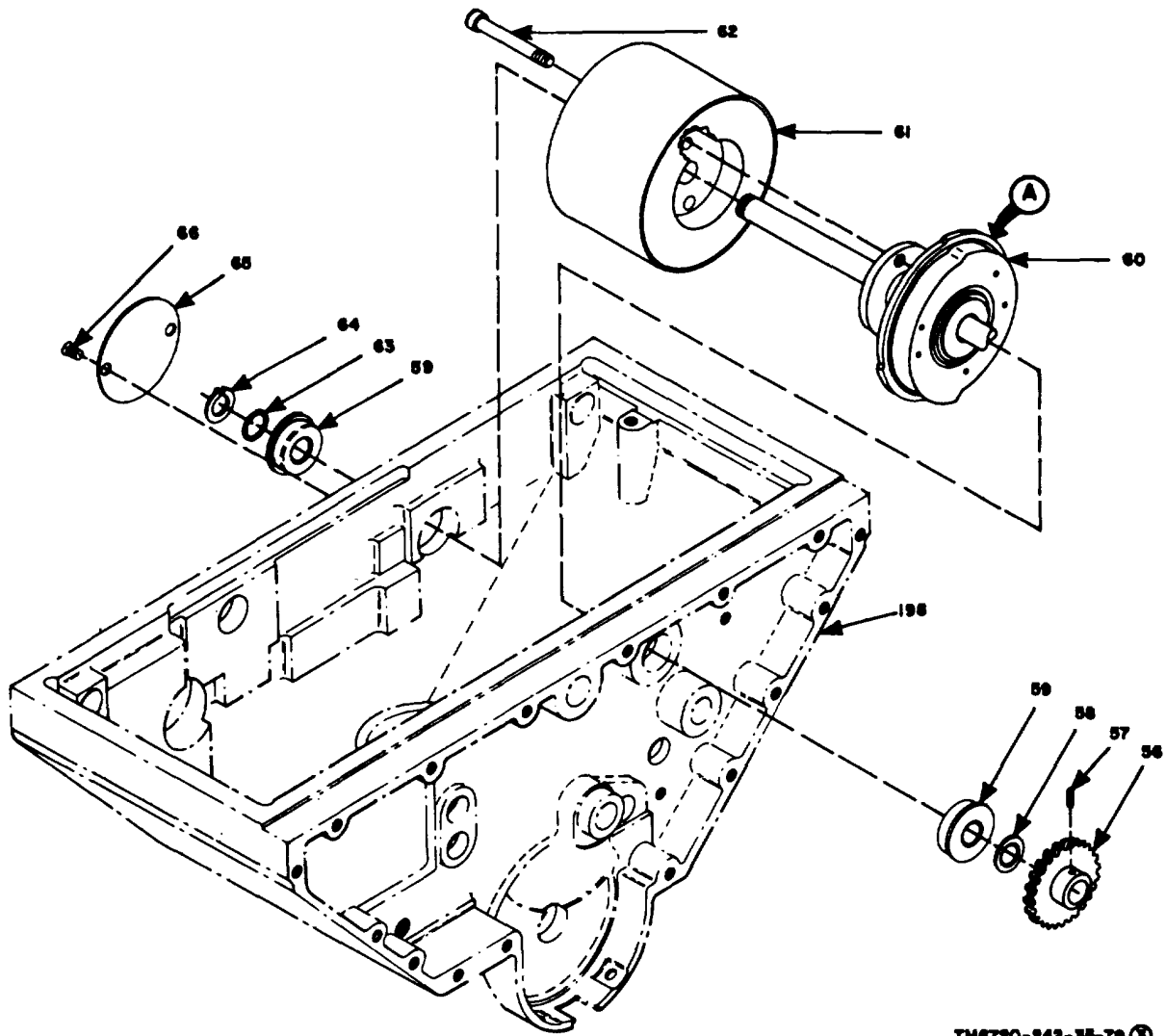
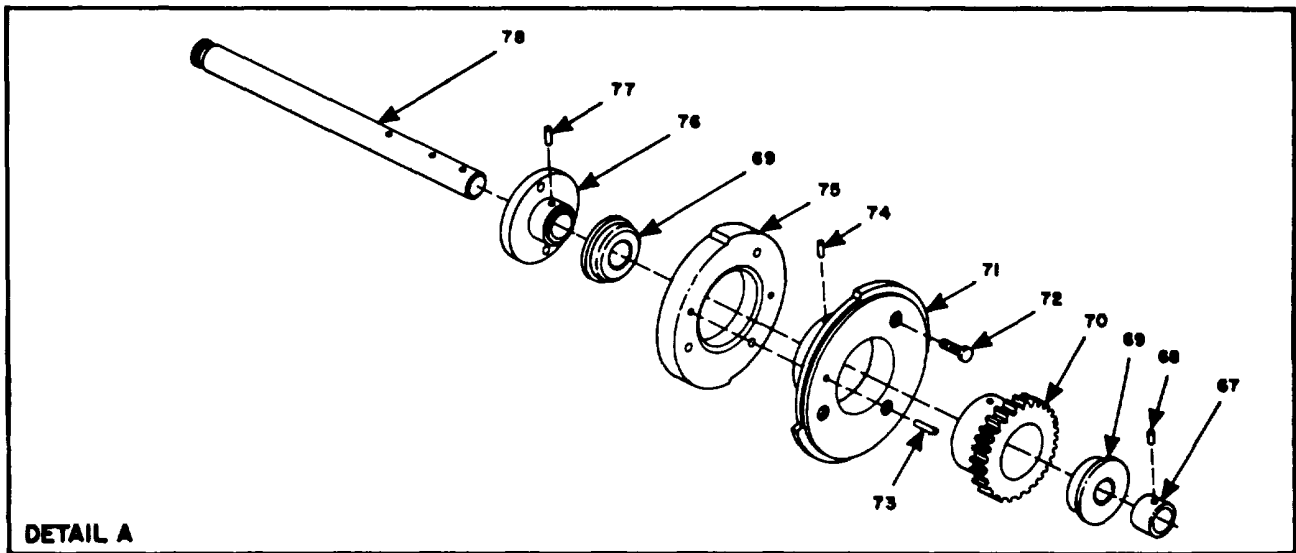
(2) Remove post (4) by removing screw (5) and washer (6).

NOTE

Although connectors 2J1(7), 2J2(11), and 2J3(9) are dissimilar, the procedure for the removal of contacts from all three are basically the same.

(3) Unsolder the wires from interconnecting board assembly (13).

(4) Using extracting tool MS24256-R20, push the contacts out of the connector, from the front.



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Figure 3-4. Body, exploded view (part 3 of 6).
Change 3 3-20

- 56 Gear (MP162)
- 57 Pin (MP163)
- 58 Shim (MP167)
- 59 Bearing (MP148-149)
- 60 Cam and gear shaft assembly (MP150)
- 61 Puck (MP329)
- 62 Screw (H202-203)
- 63 Shim (MP364)
- 94 Retaining ring (MP337)
- 65 Cover (MP177)
- 66 Screw (H93-94)
- 67 Spacer (MP168) 68 Pin (MP163)

- 69 Bearing (MP152-153)
- 70 Gear (MP158)
- 71 Gear (.MPI56)
- 72 Screw (H44-46)
- 73 Pin (MP161)
- 74 Pin (MPW1)
- 75 Cam (MP157)
- 76 Adapter (MP151)
- 77 Pin (MP813)
- 78 Shaft (MP166)
- 198 Housing (MP204)

Figure 3-4(3)--Continued.

3-29. Reassembly and Installation of Interconnecting Board Assembly

a. *Reassembly* (fig. 3-12).

(1) Reassemble electrical connectors 2J1 (7), 2J2 (11), and 2J3 (9) as follows. Assembly of the remaining parts is obvious.

(2) To facilitate their connection to the board assembly, it is recommended that new wires be cut in 8-inch lengths.

(3) Subparagraphs (9), (10), and (11) below, list pin designations, wire sizes, and the size and length of insulation tubing for the respective electrical connectors. All wires are bus type.

(4) Insert a wire of designated AWG size into a contact and after checking the proper seating of the wire, through the inspection hole in the contact, secure the assembly with crimping tool MS3191-1.

(5) Insert the contact through the grommet from the rear of the connector, using inserting tool MS24256A20. A slight click will be felt when the contact is properly seated in the connector. When wiring connector 2J1, note that a different size wire is designated for contacts m and .

(6) When connector is completely wired, cut the insulation tubing to size and slide tubing all the way to the connector on each wire. Pass the entire bundle of wires from each connector through the appropriate nutplate (8, 10, or 12).

(7) See that the side without components, of the interconnecting board, (13) faces the connector. Being sure that the wires pass through the nutplate, insert the wires from the connector through the assigned connection points of the interconnecting board. Maintain a dimension of 0.020 + 0.005 inch between the face of the mounting flange of a connector and the face of two posts (1) and one post (4). Solder the wires to the interconnecting board connections and cut off the excess lengths of wire.

(8) Repeat (4) through (7) above to wire all three connectors as designated in (9), (10), and (11) below.

(9) Wiring data for connector 2J1 of the camera control.

Connector and is designation	AWG unwire size	Insulation tubing	
		AWG size	Length (in.)
J1-A	No. 20	18	7/16
J1-C	No. 20	18	7/16
J1-E	No. 20	18	7/16
J1-G	No. 20	18	7/16
J1-J	No. 20	18	7/16
J1-L	No. 20	18	7/16
J1-N	No. 20	18	7/16
J1-R	No. 20	18	7/16
J1-T	No. 20	18	7/16
J1-V	No. 20	18	7/16
J1-Y	No. 20	18	7/16
J1-Z	No. 20	18	7/16
J1a	No. 20	18	7/16
J1-e	No. 20	18	7/16
J1-g	No. 20	18	7/16
J1-h	No. 20	18	7/16
J1-j	No. 20	18	7/16
J1-n	No. 16	14	7/16
J1-n	No. 20	18	7/16
J1-p	No. 20	18	7/16
J1-r	No. 16	14	7/16

* Pin letters that are not listed are spares.

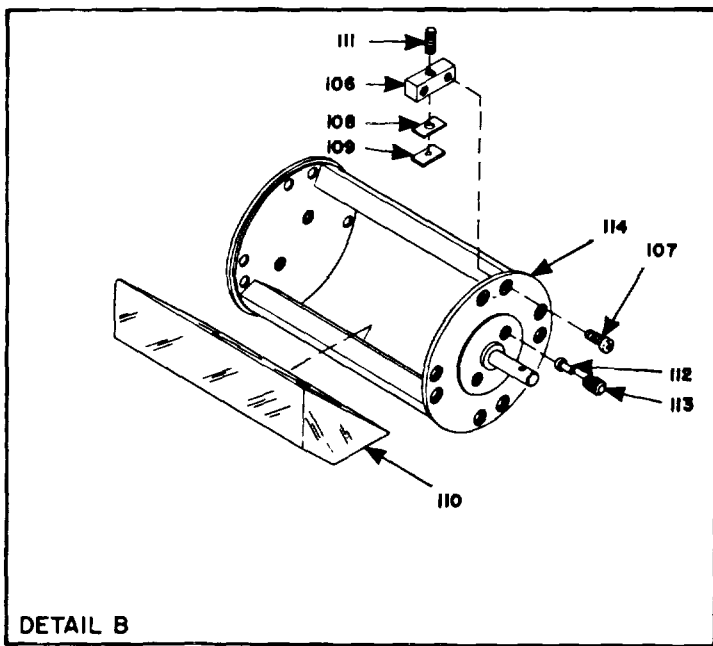
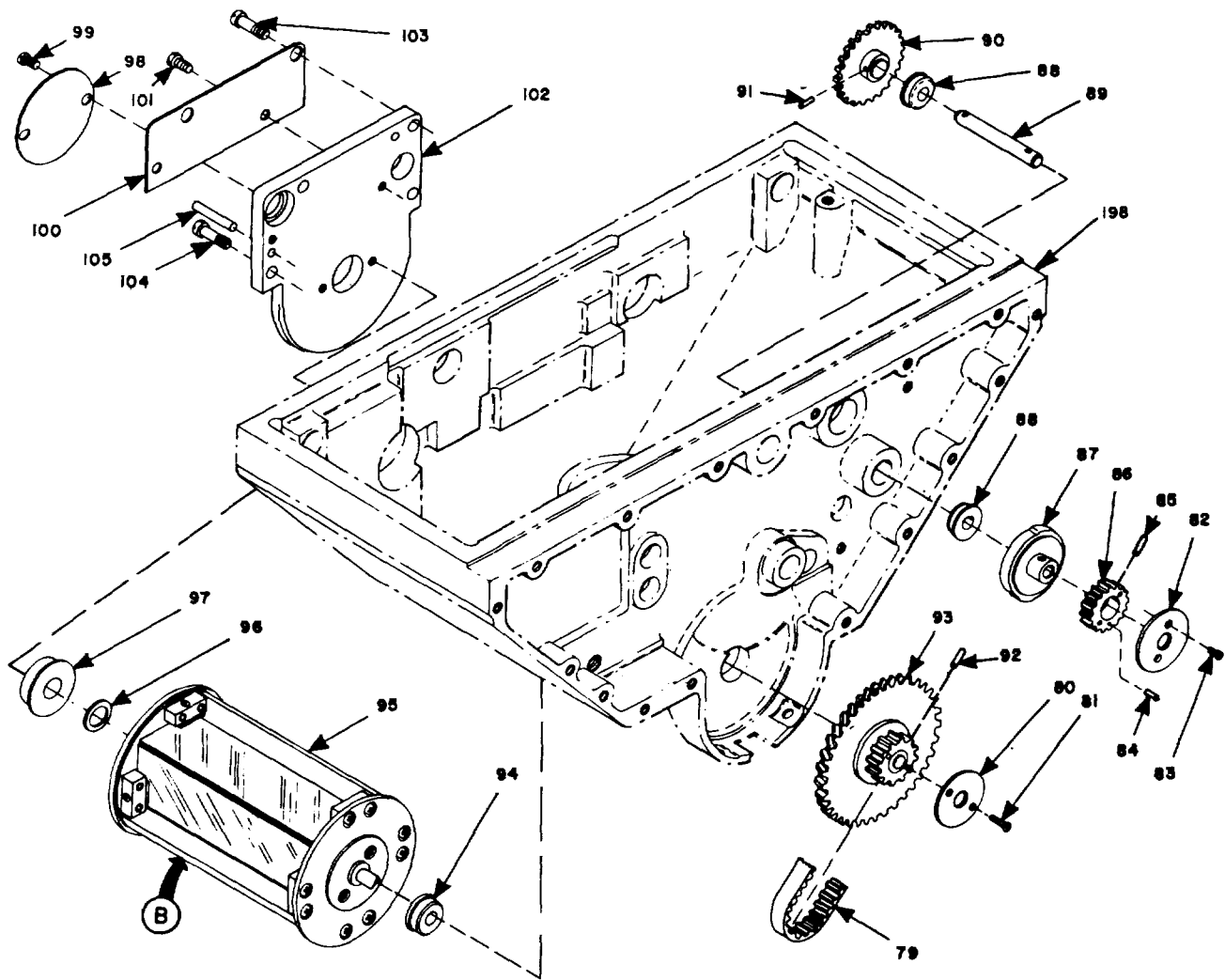
Use bare bus wire in the AWG sizes designated.

(10) Wiring data for connector 2J2 of the camera control.

Connector and is designation	AWG unwire size	Insulation tubing	
		AWG size	Length (in.)
J1-A	No. 20	18	7/16
J2-A	No. 20	18	5/16
J2C	No. 20	18	5/16
J2-E	No. 20	18	5/16
J2-G	No. 20	18	5/16
J24	No. 20	18	5/16
J2-L	No. 20	18	5/16
J2-N	No. 20	18	5/16
J2-P	No. 20	18	5/16
J2-S	No. 20	18	5/16
J2-T	No. 20	18	5/16
J2-U	No. 20	18	5/16
J2-V	No. 20	18	5/16
J2-W	No. 20	18	5/16
J2-X	No. 20	18	5/16
J2-Y	No. 20	18	5/16
J2-Z	No. 20	18	5/16
J2-b	No. 20	18	5/16
J2	No. 20	18	5/16

* Pin letters that are not listed are spares.

U0e bare bus wire in the AWG sizes designated.



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Figure 3-4 . Body, exploded view (part 4 of 6).
Change 3 3-22

79	Belt (MIP125)	98	Cover (MP176)
80	Flange (MP189)	99	Screw (H83-84)
81	Screw (H127)	100	Cover (MP203)
82	Flange (MP190)	101	Screw (H85-86)
83	Screw (H128)	102	Bracket (MP202)
84	Pin (MP672)	103	Screw (H142)
85	Pin (MP393)	104	Screw (H143)
86	Gear (MP399)	105	Pin (MP811)
87	Cam (MP397)	106	Holder (MP283-290)
88	Bearing (MP136-145)	107	Screw (H2)
89	Shaft (.M:P395)	108	Pad (MP291-298)
90	Gear (MP392)	109	Prism pad (MP321-328)
91	Pin (MP394)	110	Prism (MP299-300)
92	Pin (MP386)	111	Setscrew (MP313-320)
93	Gear (MP277)	112	Bumper (NtP305-308)
94	Bearing (MP129)	113	Ring (MP309-312)
95	Prism and gear assembly (MP275)	114	Cage (MP282)
96	Shim (MP363)	198	Housing (MP204)
97	Bearing (MP154)		

Figure 3-4(4)-Continued

(11) Wiring data for connector 2J3 of the camera control.

Connector and is designation	AWG unwire size	Insulation tubing	
		AWG size	Length (in.)
J3-A.....	No. 20.....	18.....	3/8
J3-B.....	No. 20.....	18.....	3/8
J3-D.....	No. 20.....	18.....	3/8
J1-E.....	No. 20.....	18.....	3/8
J3-F.....	No. 20.....	18.....	3/8
J3-H.....	No. 20.....	18.....	3/8
J3J.....	No. 20.....	18.....	3/8
J3-K.....	No. 20.....	18.....	3/8
J3-M.....	No. 20.....	18.....	3/8
J3-N.....	No. 20.....	18.....	3/8
J3-P.....	No. 20.....	18.....	3/8
J3-R.....	No. 20.....	18.....	3/8
J3-S.....	No. 20.....	18.....	3/8
J3-T.....	No. 20.....	18.....	3/8
J3-U.....	No. 20.....	18.....	3/8

*Pin letters that are not listed are spares.

Use bare bus wire in the AWG size designated.

b. *Installation* (fig. 3-8).

(1) The front panel (28) must be removed from chassis (36).

(2) If connector (9) is still in place, remove two screws (10) and washers (11) securing it to bracket support (29).

(3) Place a gasket (31, 32, or 33) on the respective electrical connector and assemble front panel (28) and interconnecting board assembly (35) to the attaching three standoff posts. The three electrical connectors should extend through front panel (28) with all gaskets correctly positioned.

(4) Align the four holes in nutplate (8, 10, or 12, fig. 3-12) with the mounting holes of the front panel and secure each connector with three screws (25, fig. 3-8). There must be no tension or excessive slack in the wires between a connector and the interconnection

board termination's. Also, each wire must be fully covered with insulation tubing.

(5) Install covers (22, 23, and 24, fig. 3-8).

(6) Insert the assembled front plate (28) and interconnecting panel assembly (35) and secure is (36). Secure the front panel to the chassis with four screws (27).

(7) Press connector (9) into contact with interconnecting panel assembly (35) and secure connector (9) to bracket (29) with two screws (10) and washers (11).

(8) Slide aec board assembly (4), control board assembly (5), and scan board assembly (6) into place in sub-classes (36). Install power supply assembly (para 3-26) and heat sink assembly (para 3-23).

3-30. Removal and Replacement of Handle and Identification Plate (fig. 3-8)

a. *Removal.*

(1) Remove the two screws (38), and washers (39),securing handle (37) to the front panel (28).

(2) Remove the identification plate (40) by removing two screws (41).

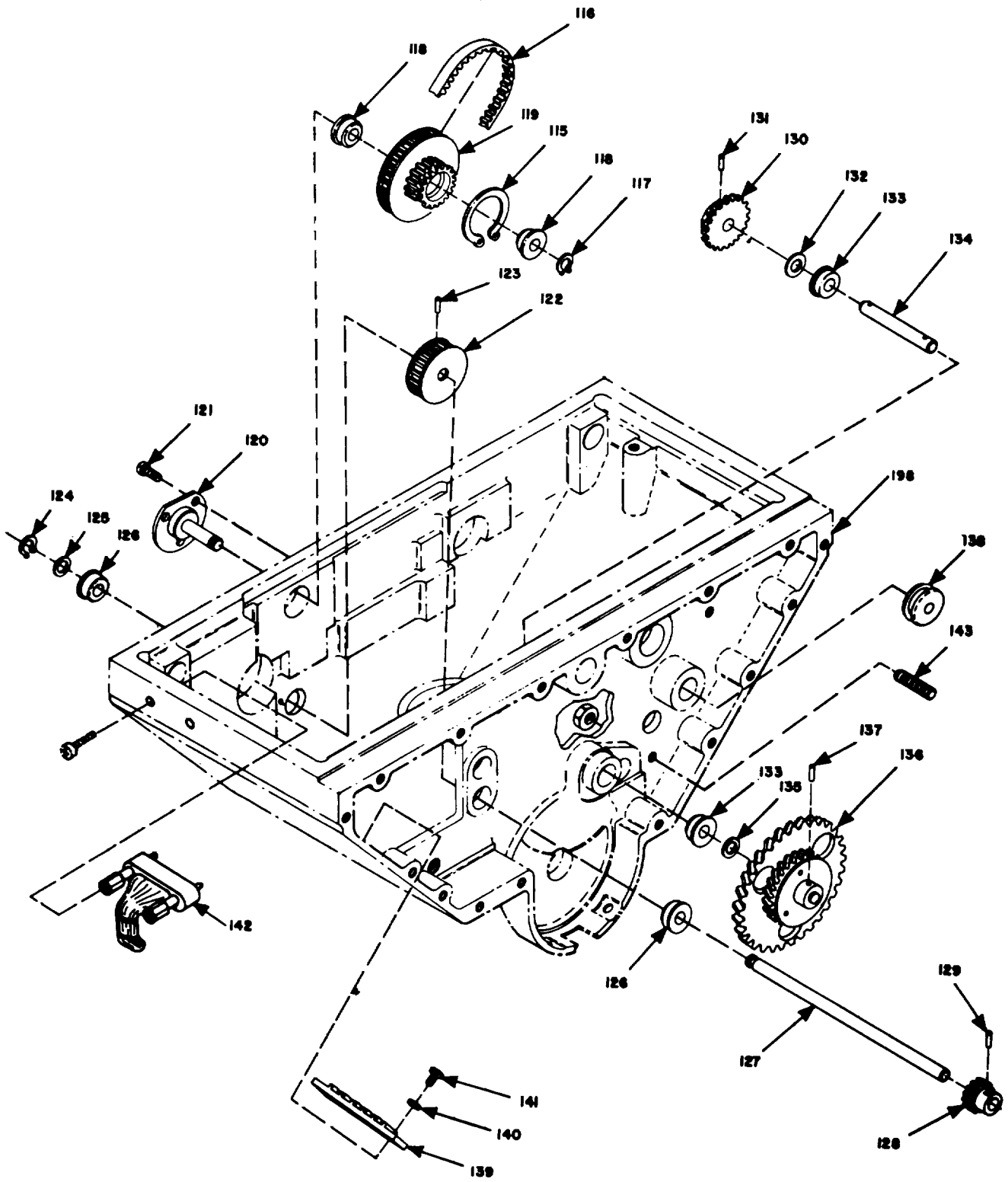
b. *Replacement.*

(1) Attach handle (37) to the front panel with two screws (38) and washers (39). Apply glyptal to the screw threads.

(2) Attach the identification plate (40) to the front panel (28) using two screws (41).

3-31. Repair and Alignment of Control Panel Components

a. Procedures for the repair and alignment of assemblies and parts of the control panel by di



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Figure 3-4 . Body, exploded view (part 5 of 6).

Change 3 3-24

115	Retaining ring (MP338)	130	Gear (MP193)
116	Belt (MP124)	131	Pin (MP352)
117	Retaining ring (P&335)	132	Shim (MP367)
118	Bearing (MIP136137)	133	Bearing (MP147)
119	Linkage gear (MP383)	134	Shaft (MP196)
120	Trunnion (MP406)	135	Spacer (MP94)
121	Screw (H39)	136	Gear assembly (MP192)
122	Pulley (MP389)	137	Pin (MP194)
123	Pin (MP280)	138	Gronet (MP199)
124	Retaining ring (MP336)	139	Terminal block (TB1)
125	Shim (MP366)	140	Washer (H69)
126	Bearing (MP138-139)	141	Screw (H23)
127	Shaft (MP388)	142	Harness (W1)
128	Pinion (MP385)	143	Screw (MP341)
129	Pin (MP195)	198	Housing (MP204)

Figure 3-4(5)-Continued.

rect support personnel are contained in paragraphs 3-32 through 3-38.

b. The removal of the lighting plate (para 332) is necessary to gain access to the nuts and screws securing the various switches, indicators, and frames remaining counter to subassembly backing plate.

3-32. Removal and Replacement of Faceplate (fig. 3-13)

a. *Removal.* Remove the four screws (2) securing the faceplate (1) to backing plate (14). The location of the electrical connector J3 is indicated by a cross mark on the face of the faceplate. Separate the connectors with care when removing the faceplate.

b. *Replacement.* The procedures for installing the faceplate are the reverse of the removal procedures.

3-33. Removal, Replacement, and Disassembly of Interface Board Assembly (fig. 3-13)

a. *Removal.*

(1) Remove cover (3) by loosening two captive screws (53).

(2) Remove four screws (4), flat washers (5), and lockwashers (6) securing interface board assembly (7) to chassis (8).

(3) Withdraw the board assembly to disengage the contacts from connector 3J4 (9).

b. *Replacement.*

(1) Install interface board assembly (7) in reverse order of the removal procedure.

(2) Apply silicone grease on the mounting surface of the board assembly (7) and the chassis angle on which the board rests. Coat the screw threads with glyptal.

c. *Disassembly.* Disassemble the interface board assembly as shown in, figure 3-14.

3-34. Removal and Replacement of Extra Picture Switch 55 (fig. 3-13)

a. *Removal.*

(1) Remove cover (3) by loosening two screws (53).

(2) Remove faceplate (1) (para 3-32).

(3) Loosen nut (11), inside the chassis.

(4) Rotate pushbutton (13) counterclockwise, by hand, to detach it from the switch (10). Remove switch and lockwasher (12).

(5) Tag for identification and then unsolder the three wires connected to the switch terminals.

b. *Replacement.*

(1) Solder a jumper, consisting of Type S, No. 22 AWG, tempered soft or drawn and annealed tin coated wire, across switch terminals 2 and 3.

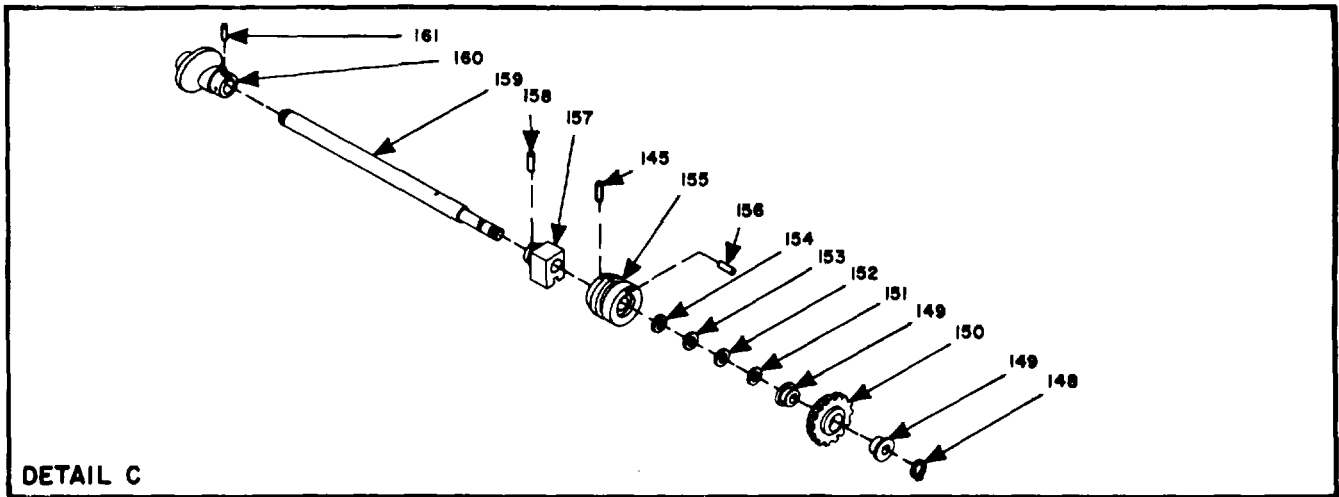
(2) Solder the three wires to the switch terminals as designated on the tags attached at the time of the switch removal.

(3) Thread nut (11) on switch (10), slide on lockwasher (12), and insert the switch through backing plate (14).

(4) Thread pushbutton actuator (13) on, the switch (10) and hand tighten it until it's flush with backing plate (14). Then tighten nut (11) inside the chassis until switch is held securely in place.

3-35. Removal and Replacement of POWER Switch S1, OPERATE Switch S2, and V/H SEL Switch S3 (fig. 3-13)

The removal procedures of toggle switches (15, 20, and 21) are identical except for the wiring.



DETAIL C

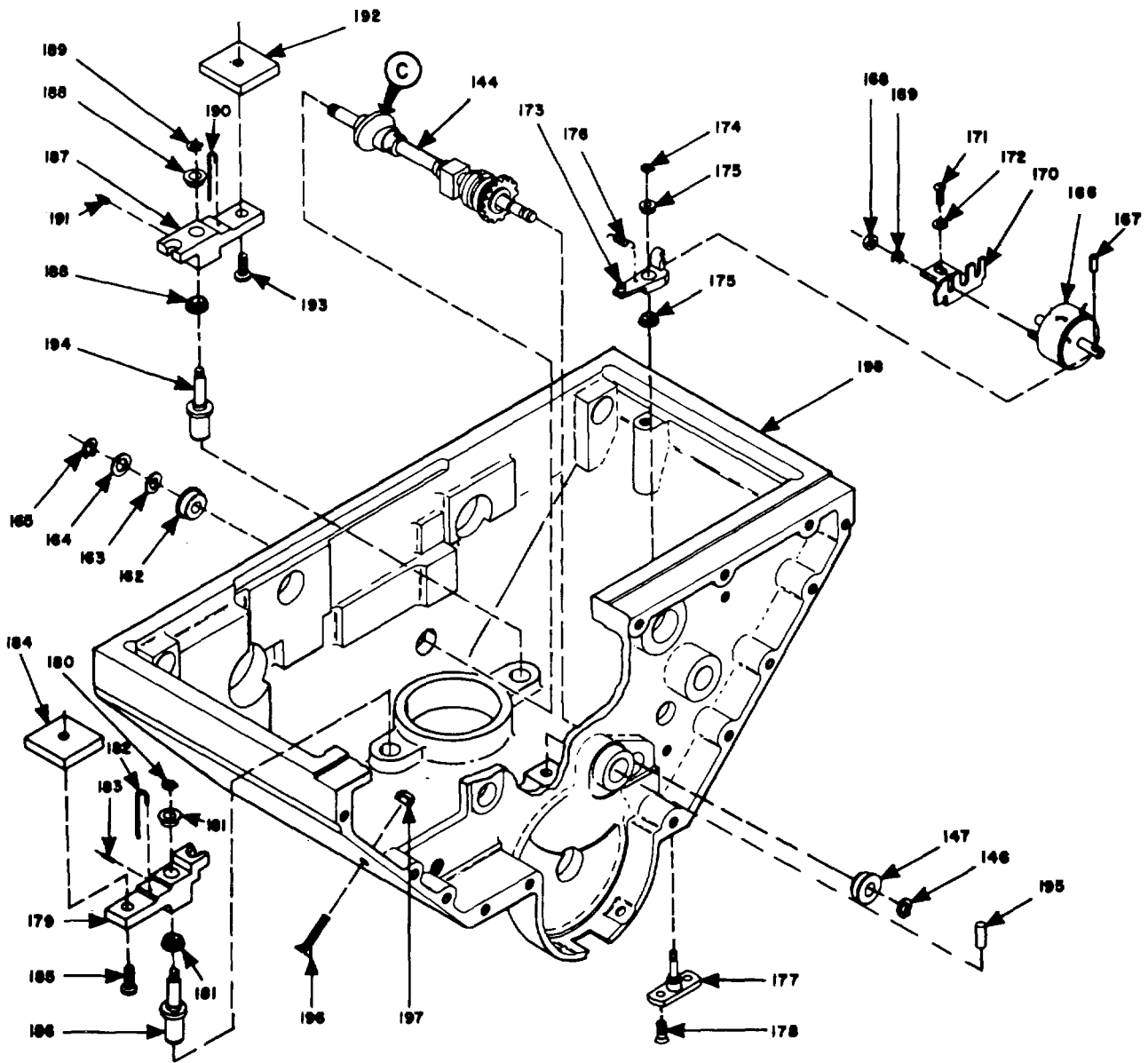


Figure s-4 . Body, exploded view (part 6 of 6).

144	IMC haft assembly (MP342)	172	Washer (H68)
145	Pin (MP351)	173	Lever (MP218)
146	Retaining ring (MP75)	174	Retaining ring (MP8)
147	Bearing (MP147)	176	Bearing (MP130-181)
148	Retaining ring (MP76)	176	Spring (MP390)
149	Bearing (MP132-135)	171	Trunnion (MP406)
150	Gear (MP350)	178	Screw (H91-92)
151	Spacer (MP357)	179	Counterweight amnn (MP2)
152	Spacer (MP358)	180	Retaining ring (MP77)
153	Spacer (MP359)	181	Bearing (MP U8456)
154	Spacer (MP360)	182	Spring (MPS81)
155	Coupling (MP348)	183	Screw (MP339)
156	Pin (MP349)	184	Counterweight (.MP408)
157	Drag brake (MP343)	185	Screw (H22)
158	Pin (MP351)	186	Shaft (MP360)
159	Shaft (MP356)	187	Counterweight arm (MP8)
160	Cam (MP346)	188	Bearing (MP132-185)
161	Pin (MP195)	189	Retaining ring (MP74)
162	Bearing (MP146)	190	Spring (MP882)
163	Washer (Not available)	191	Screw (MPS40)
164	Shim (MP365)	192	Counterweight (MP409)
165	Retaining ring (MP334)	193	Screw (MP840)
166	Solenoid (L1)	194	Shaft (MP361)
167	Pin (MP380)	195	Pin (MP269)
168	Nut (H210)	196	Screw (H2D4)
169	Washer (H21)	197	Nut (H172-175)
170	Bracket (MP127)	198	Housing (1P204)
171	Screw (H40)		

Figure 3-4(6)-Continued.

Therefore, the one procedure described applies to all three switches.

a. *Removal.*

(1) Record the orientation of the switch terminals and wire connections with respect* to the OFF or AUTO position (down) of the switch toggles.

(2) Remove faceplate (1) (para 342), and cover (3) by loosening screws (53).

(3) Loosen nut (16) inside the chassis. Then turn off nut (19) exercising care to prevent scratching the face of backing plate (14). Remove the key washer (17), lockwasher (18), and the switch (15).

(4) Tag each wire and unsolder it from the switch terminal.

b. *Replacement.* Install switch (15, 20 or 21) in the reverse order of the removal procedure in a above and be sure that the slot, in the threaded shaft of the switch, is in the 6 o'clock position. Insure that the internal tip of the key washer (17) engages the slot and that the external tip of the key washer engages the hole provided for it in the rear surface of the backing plate (14).

3-36. Removal and Replacement of CAMERA SEL Switch 54 (fig. 3-13)

a. *Removal.*

(1) Remove faceplate (1) (para -32) and cover (3) by loosening screws (53).

(2) Remove nut (23) from the face of backing plate (14). Remove switch (22).

(3) Tag each wir3, then unsolder the wires from the terminals.

b. *Replacement.*

(1) Solder a jumper consisting of Type 5, No. 22 AWG, tempered soft or drawn, annealed, tin coated wire across the terminals as shown in figure 3-15.

(2) Connect the wires to the switch terminals as indicated by the tag designations. The connections should be checked by comparing the schematic, figure 6-12 with the terminal sectionalization shown in figure 3-15.

(3) Insert switch (22) through backing plate (14). Secure with nut (23).

(4) Replace faceplate (1) and cover.

3-37. Removal and It placement of Connector J3 (fig. 3-13)

a. *Removal.*

(1) Remove faceplate (1) (para 3-32) and cover (3) by removing screws (53).

(2) Tag the two wires for identification and unsolder them from connector J8 (24) and the ground connector.

(3) Release nut (25) fully and withdraw the connector (24) through the front of the panel.

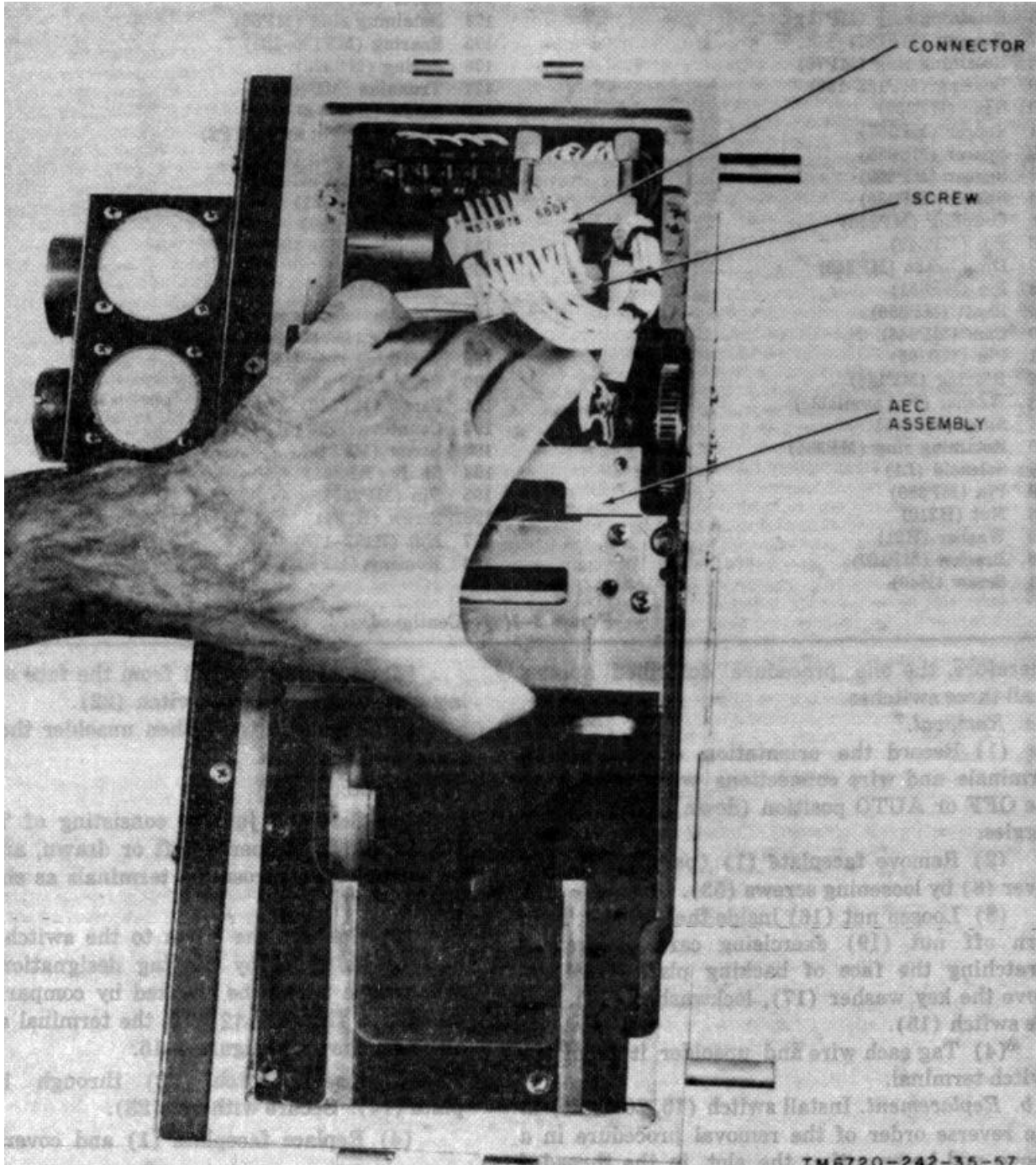


Figure 3-5. Installation of aec assembly

Catch lockwasher (27) and terminal (26) as they fall with the removal of the connector.

b. *Replacement.* Install an electrical connector J3 in reverse of the removal procedures described in a above.

3-38. Removal and Replacement of POWER and OPERATOR Indicators (fig. 3-13)

The procedures are identical for removing and replacing indicator lights XDS1 and XDS2 (28 and 34).

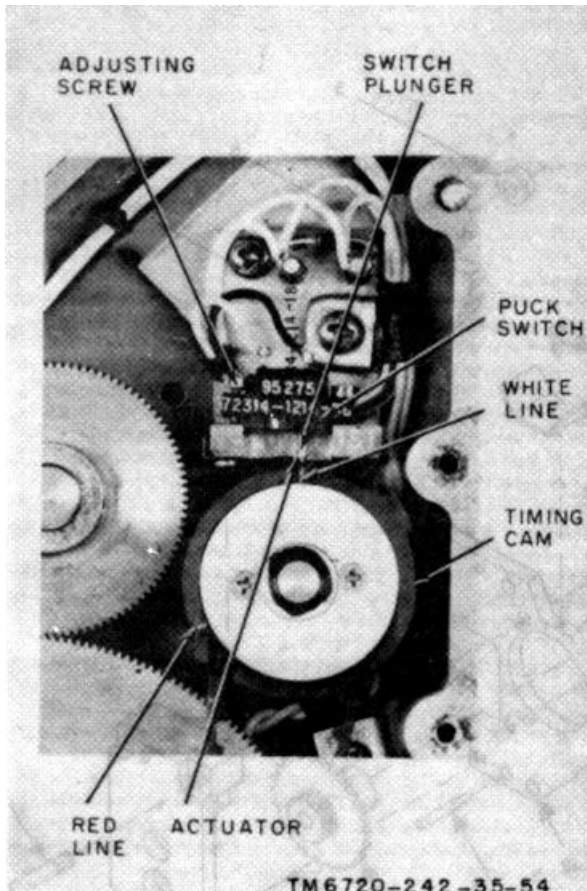


Figure 3-6. Installation of puck switch.

a. *Removal.*

- (1) Remove the faceplate (1) (para 3-32) and cover (3) by loosening the two screws (53).
- (2) Unscrew the jewel (33) and remove it from the indicator light (28).
- (3) Remove nuts (31) and withdraw the indicator light (28) and (34) with nuts (29) and lockwashers (30).
- (4) Tag each wire identifying its terminal connection. Then unsolder the wires.

b. *Replacement.* Install indicator lights in reverse order of removal.

3-39. Repair and Alignment of Magazine Components

Procedures for the repair and alignment of magazine assemblies and parts by direct support personnel are contained in paragraphs 3-40 through 3-44.

3-40. Removal, Replacement, and Disassembly of Pressure Plate Assembly (fig. 3-16 (4))

- a. *Removal.* Release two screws (74) securing pressure plate assembly (73) to the magazine housing (150).
- b. *Replacement.* Be sure that the pressure plate is properly oriented then engage and secure the two screws (74).
- c. *Disassembly.* Disassemble the pressure plate assembly as shown in figure 3-17.

3-41. Removal, Replacement and Disassembly of Keeper Block Assembly (fig. 3-16 (4))

- a. *Removal.*
 - (1) Remove the pressure plate assembly (para 3-40).
 - (2) Remove two screws (76) securing leaf spring (75).
 - (3) Remove two screws (78) and remove the arms of the assembly compressed to prevent the spring (79) from escaping.
 - (4) Release the keeper arms and remove the spring (79).
- b. *Replacement.* Replace the keeper block assembly in the reverse order of removal.

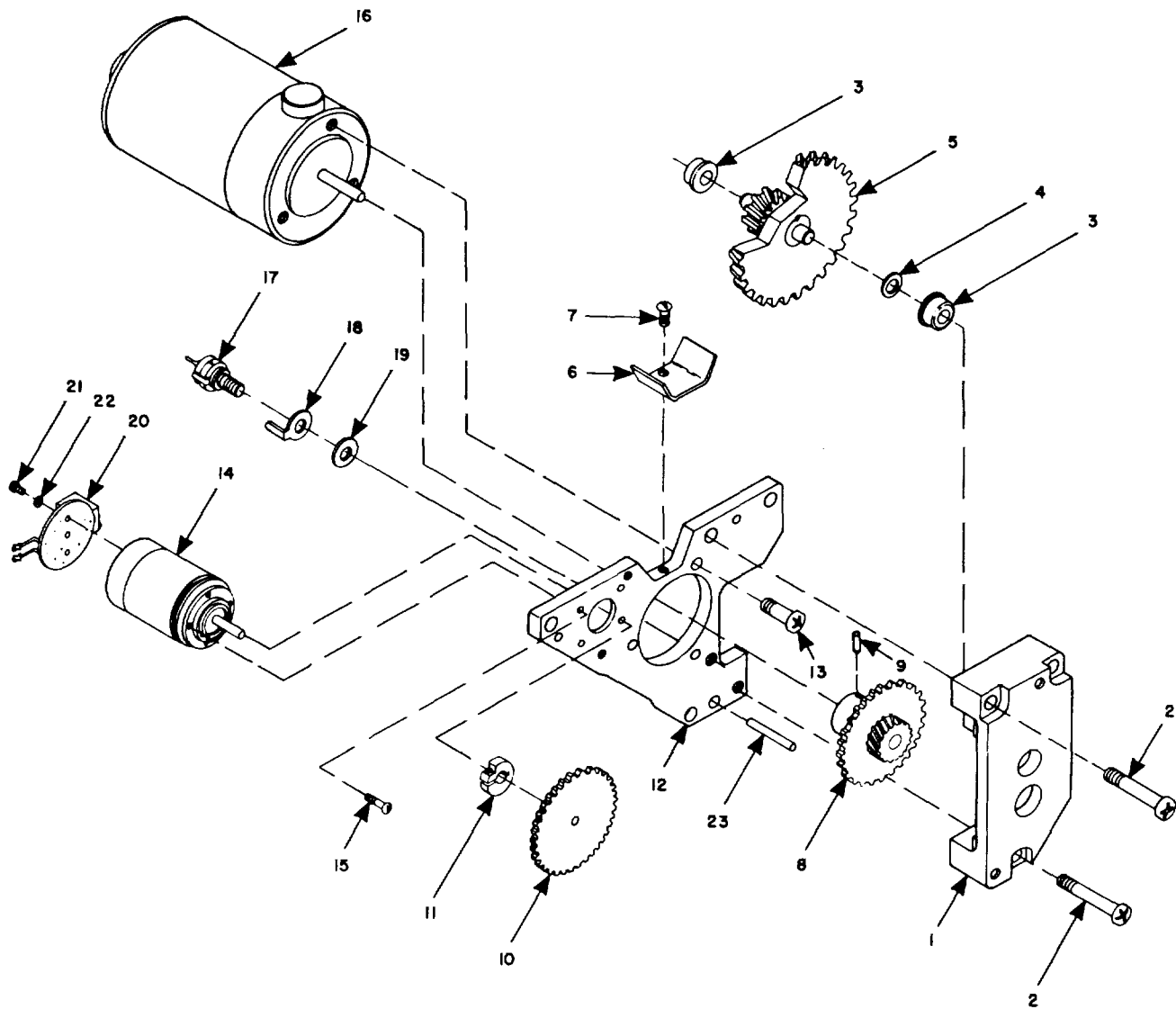
NOTE

Be sure that the spring (79) is in place and that the protruding part of the arm (6) faces outward.

c. *Disassembly.* Disassemble the keeper block assembly as shown in figure 3-18.

3-42. Removal, Replacement and Disassembly of the Pressure Roller Assembly (fig. 3-16 (4))

- a. *Removal.*
 - (1) Remove screw (98) and washer (99) on the right side of the pressure roller assembly (97).
 - (2) Rotate the C washer (102) until the slotted side faces up. With an appropriate tool push the retaining ring until it is free of the shaft (100).
 - (3) Withdraw the shaft (100) being careful to catch the scaper (105) and the shims (103 and 104) as the shaft (100) is being withdrawn.



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- | | | | |
|----|------------------------|----|--------------------------------|
| 1 | Support (MP212) | 13 | Screw (H153-155) |
| 2 | Screw (H148-149) | 14 | Tachometer (G1) |
| 3 | Bearing (MP140-141) | 15 | Screw (H132-437) |
| 4 | Shim (IP365-368) | 16 | Motor (B1) |
| 5 | Gear assembly (MP197) | 17 | Diode (CR2) |
| 6 | Guide (MP200) | 18 | Terminal (P/O CR2) |
| 7 | Screw (H131) | 19 | Fiber washer (P/O CR2) |
| 8 | Gear assembly (M1P214) | 20 | Circuit board assembly (1A1A4) |
| 9 | Pin (MP257) | 21 | Screw (H138-139) |
| 10 | Gear (MP198) | 22 | Washer (H1140-141) |
| 11 | Clamp (MP172) | 23 | Pin (MP812) |
| 12 | Plate (MP211) | | |

Figure 3-7. Motor, gear, and tachometer-generator, exploded view.

(4) The removal procedure on the left side of the pressure roller assembly is identical to that of step (3) except that the spacer (105) is not included.

(5) The pressure roller assembly can now be removed.

b. Replacement.

NOTE

When replacing the C washer (102) be sure that the flat side of the washer is in contact with the magazine housing.

(1) Replace the pressure roller assembly in the reverse order of removal and in conformity with the following special instructions.

(2) Shim (103 and 104) the pressure roller assembly (97) for .001 to .003 inch end play.

(3) Adjust setscrew (12, fig. 3-19) so that the pressure roller (97, fig. 3-16) causes the adas pressure plate to rise 0.01 + 0.001 inch, when the pressure roller is cam actuated.

c. Disassembly. Disassemble the pressure roller assembly as shown in figure 3-19.

3-43. Removal and Replacement of Spindle - Assembly

fig. 3-16 (2))

a. Removal.

(1) Remove the plate (34) by removing two screws (35).

(2) Remove the shaft (36) and helical spring (37).

(3) Remove the spindle assembly (26).

b. Replacement.

(1) Insert the spindle assembly (26) into its hole, insuring that the slot in the spindle assembly (26) matches up with the small hole, in the magazine housing, through which the shaft (36) passes.

(2) Install the spring (37) and shaft (36) insuring that the shaft engages the slot in the spindle assembly (26).

(3) Place the plate (34) over the shaft (36) and secure the plate with two screws (35).

3-44. Removal and Replacement of Film Spool

(fig. 3-16 (2))

a. Removal. Pull out the spindle (26), grasp the film spool (17) and remove it.

b. Replacement.

(1) Position the film spool (17) in the magazine

(2) Rotate the film spool until one side engages the pivot (24 or 51).

(3) Push in the spindle (26) and rotate the shaft (30) until its pivot (32) engages the other side of the film spool (17).

3-45. Lubrication and Preservation

CAUTION

Excessive or inadequate lubrication of parts can cause camera malfunction.

a. Lubrication. There are no lubrication procedures to be performed at prescribed intervals but the gear train in the body (fig. 2-6) receives a light coat of synthetic grease Anderol L757 (Lehigh Chemical Products Co.) when the train is assembled and when any component is replaced. The frequency of inspection of the gear train should be coincident with the environment in which the camera is operating and the number of missions in which it is used. The objective is to keep the gears coated with lubricant and free of contamination. In other instances, where, for example, a lubricant is applied to the diaphragm blades, the replacement procedures include lubrication as a step of the procedures.

b. Preservation.

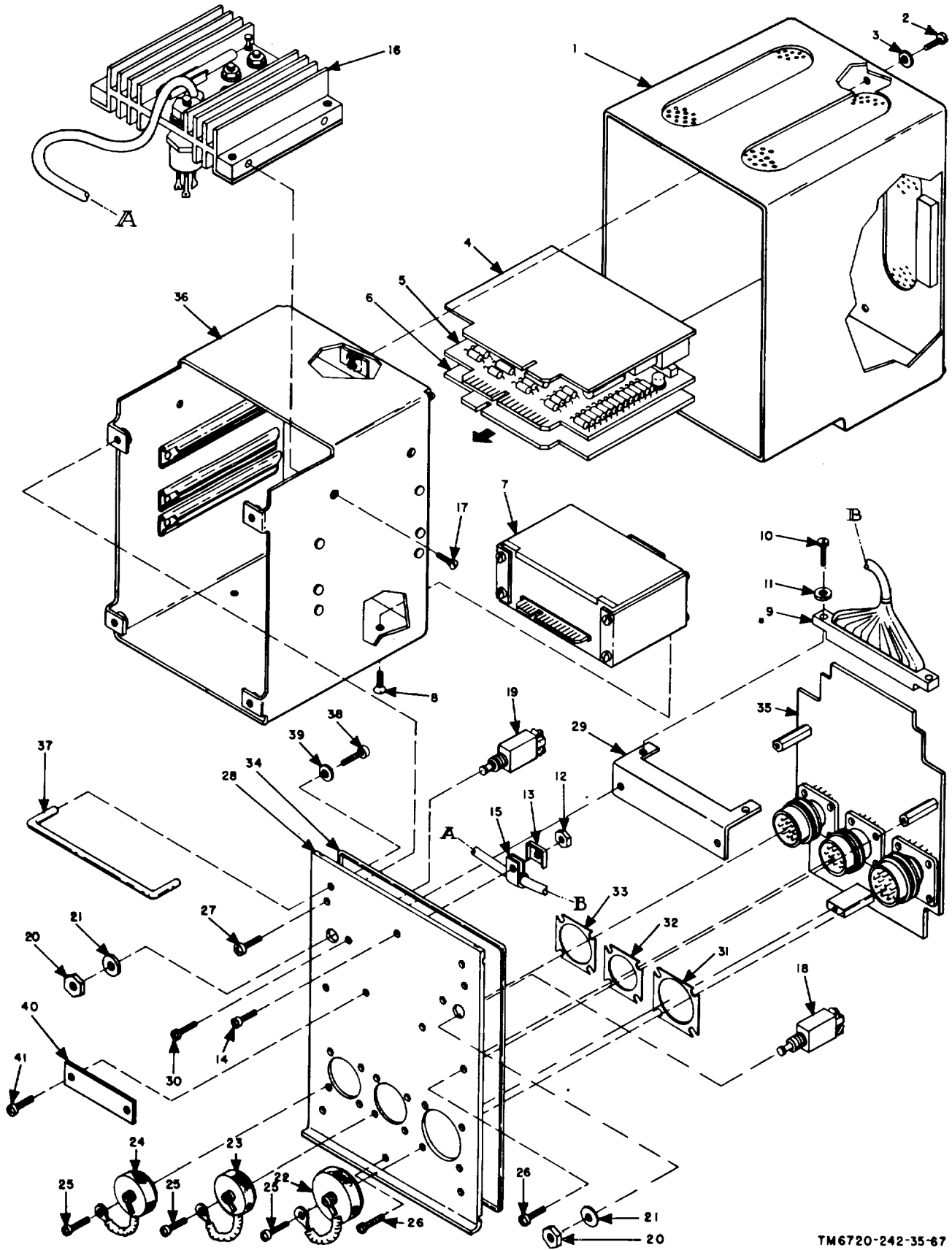
(1) Procedures for the application of an electrical insulating compound to the component board assemblies is described in paragraph 3-7.

(2) Touchup of painted services as follows: (a) Apply Chemical Film MI-C-5541 (FS10015) to machine surfaces.

(b) Apply Zinc Chromate Primer, MILP-8585 to surfaces that are to be painted.

(c) Use Black Velvet Coating 100 Series No. 101-C10 (Minnesota Mining and Mfg. Co.94960) to applicable surfaces.

(d) Apply Enamel TT-E-529 (olive drab No. X24087, FED-STD-595) to applicable surfaces.

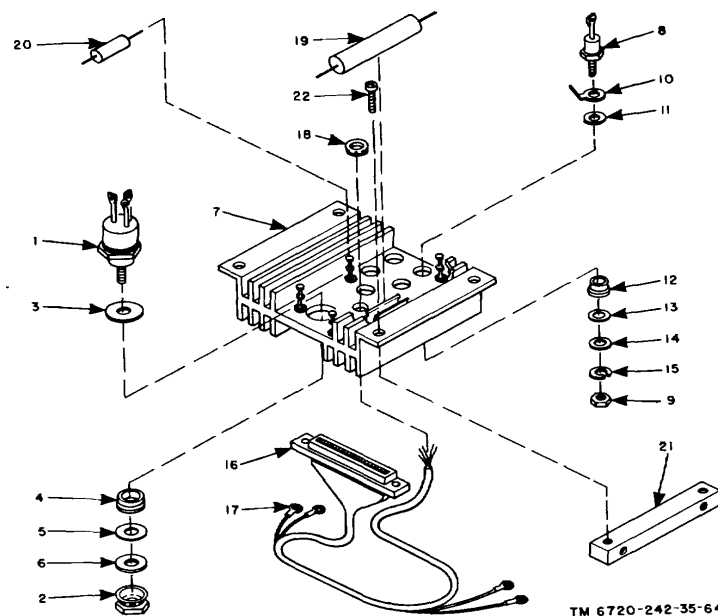


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Figure 3-8. Camera control, exploded view.

- | | | | |
|----|------------------------------|----|-------------------------------------|
| 1 | Camera control cover (MP469) | 22 | 2J1 connector cover (MP481) |
| 2 | Screw (MP472-473) | 23 | 2J3 connector cover (MP479) |
| 3 | Washer (MP474-475) | 24 | 2J2 connector cover (MP480) |
| 4 | AEC board assembly (A5) | 25 | Screw (H279-286) |
| 5 | Control board assembly (A4) | 26 | Screw (H270-274) |
| 6 | Scan board assembly (A3) | 27 | Screw (H266-269) |
| 7 | Power supply assembly (A2) | 28 | Front panel (MP496) |
| 8 | Screw (H300-303) | 29 | Bracket (MP500) |
| 9 | Connector (W1P8) | 30 | Screw (H270-274) |
| 10 | Screw (H253-254) | 31 | Gasket (MP498) |
| 11 | Washer (H256-257) | 32 | Gasket (MP497) |
| 12 | Nut (H252) | 33 | Gasket (MP499) |
| 13 | Washer (saddle) (H258) | 34 | Gasket (MP482) |
| 14 | Screw (H255) | 35 | Interconnecting board assembly (AI) |
| 15 | Clamp (MP820) | 36 | Chassis (MP418) |
| 16 | Heatsink assembly (A6) | 37 | Handle (MP495) |
| 17 | Screw (H259-262) | 38 | Screw (H294-295) |
| 18 | Circuit breaker (CB2) | 39 | Washer (H296-297) |
| 19 | Circuit breaker (CB1) | 40 | Identification plate (MP501) |
| 20 | Nut (P/O CB1) | 41 | Screw (H298-299) |
| 21 | Washer (P/O CB1) | | |

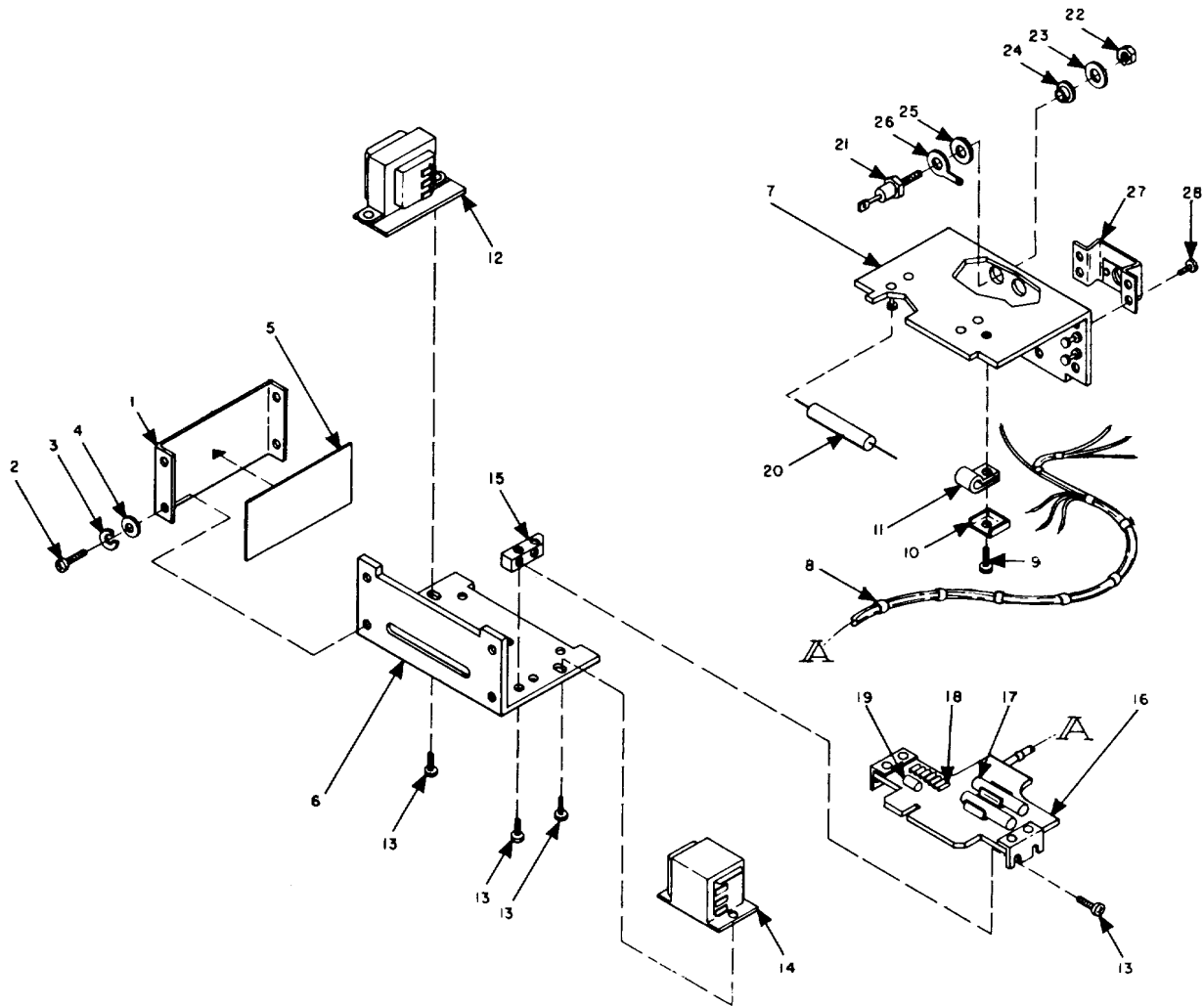
Figure 3-8—Continued



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- | | | | |
|----|---------------------------------|----|-------------------------------------|
| 1 | Transistor (Q1) | 12 | Insulated spacer (P/O CR1-CR4, VR1) |
| 2 | Nut (P/O Q1) | 13 | Mica washer (P/O CR1-CR4, VR1) |
| 3 | Mica washer (P/O Q1) | 14 | Washer (P/O CR1-CR4, VR1) |
| 4 | Insulated spacer (P/O Q1) | 15 | Lockwasher (P/O CR1-CR4, VR1) |
| 5 | Mica washer (P/O Q1) | 16 | Connector (W1P8) |
| 6 | Washer (P/O Q1) | 17 | Terminal lug (WIE1-E4) |
| 7 | Heat sink (MP478) | 18 | Grommet (MP477) |
| 8 | Diode (CR1-CR4, VR1) | 19 | Resistor (R1) |
| 9 | Nut (P/O CR1-CR4, VR1) | 20 | Resistor (R2) |
| 10 | Terminal (P/O CR1-CR4, VR1) | 21 | Bar (MP415-416) |
| 11 | Mica washer (P/O CR1-CR4, VIR1) | 22 | Screw (H259-262) |

Figure 3-9. Scan heat sink assembly, exploded view.



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- | | | | |
|----|--------------------------|----|--------------------------|
| 1 | Cover (MP511-512) | 15 | Bar (MP503-504) |
| 2 | Screw (H320-327) | 16 | Board assembly (A'1) |
| 3 | Washer (lock) (H340-347) | 17 | Capacitor (C1, C2) |
| 4 | Washer (flat) (H332-339) | 18 | Semiconductor (CR1, CR6) |
| 5 | Pad (MP516-517) | 19 | Resistor (R5) |
| 6 | Angle (MP506) | 20 | Resistor (R1-R4) |
| 7 | Angle (MP818) | 21 | Semiconductor (VR1, VR2) |
| 8 | Harness (W1) | 22 | Nut (P/O VR1-2) |
| 9 | Screw (H304) | 23 | Mica washer (P/O VR1-2) |
| 10 | Washer (saddle) (H317) | 24 | Spacer (P/O VR1-2) |
| 11 | Clamp (MP510) | 25 | Mica washer (P/O VR1-2) |
| 12 | Transformer (T2) | 26 | Washer (P/O VR1-2) |
| 13 | Screw (H305-316) | 27 | Bracket (MP505) |
| 14 | Transformer (T1) | 28 | Screw (H328331) |

Figure 3-10. Power supply assembly, exploded view.

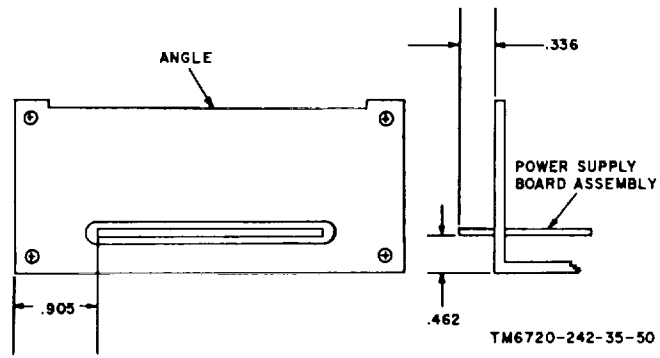


Figure 3-11. Power supply board assembly, installation dimensions.

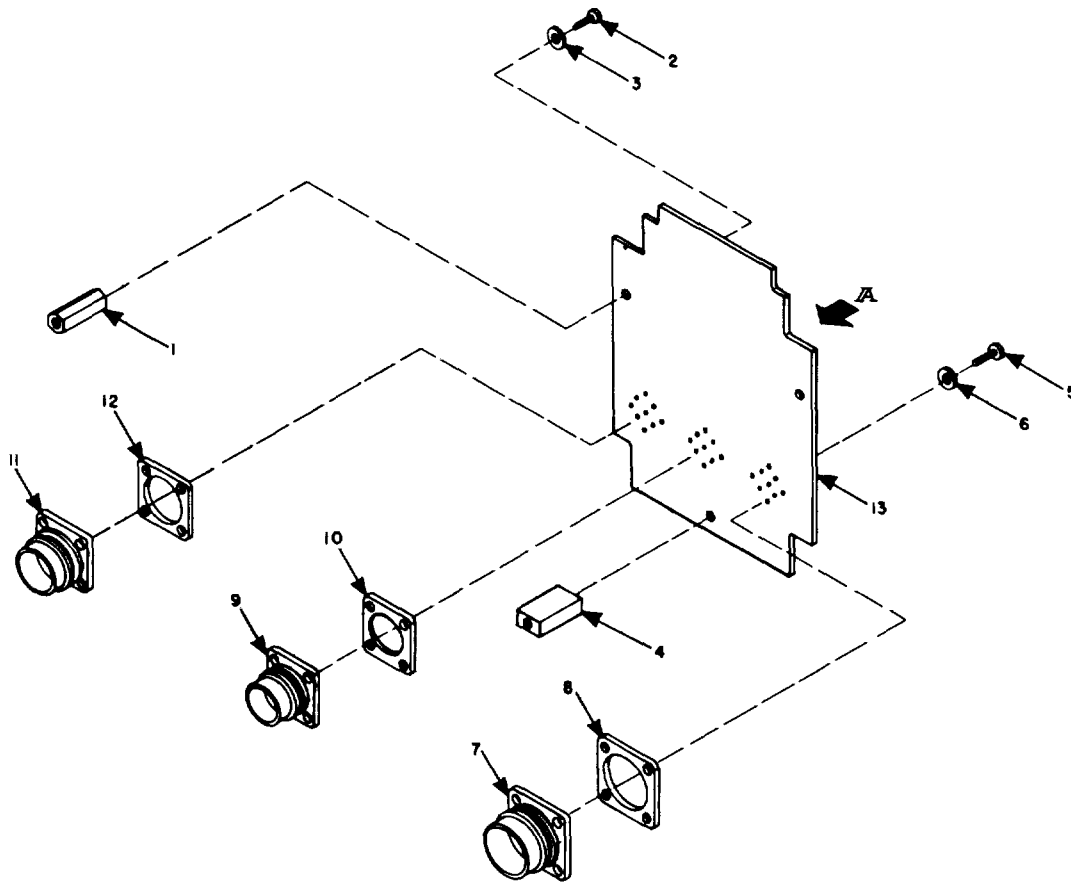
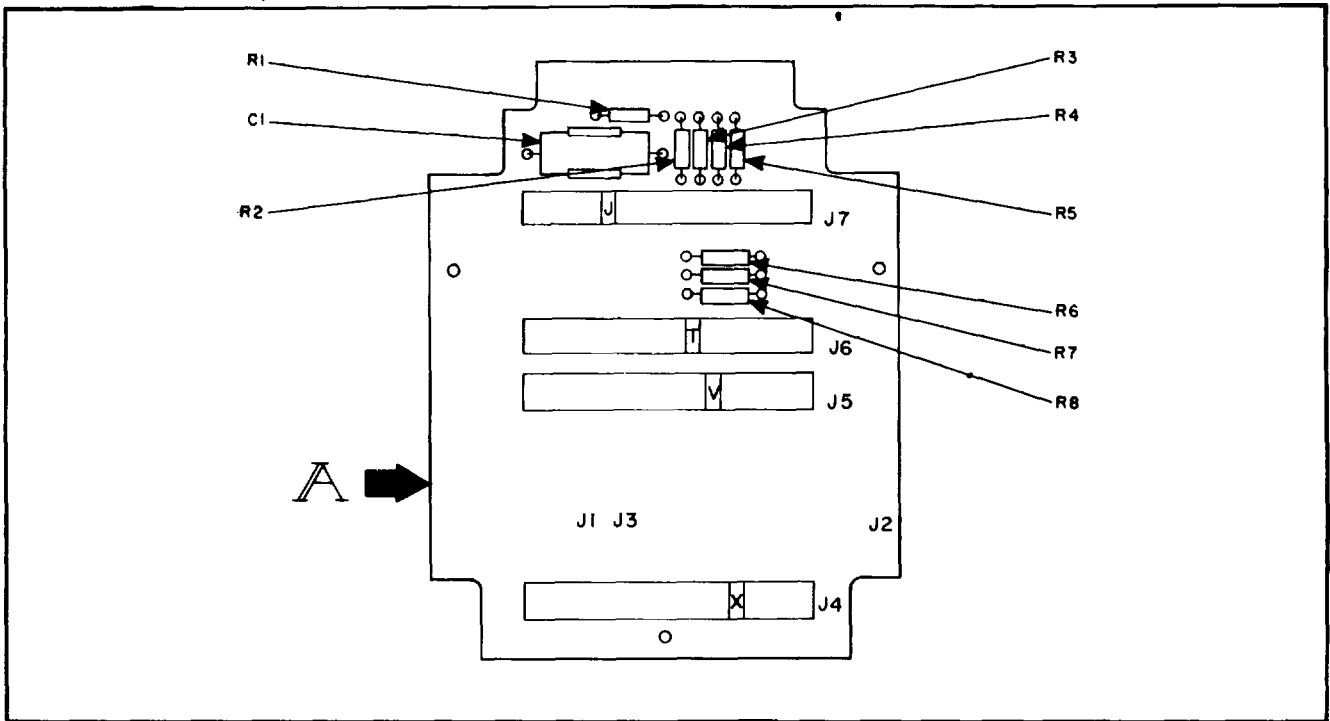
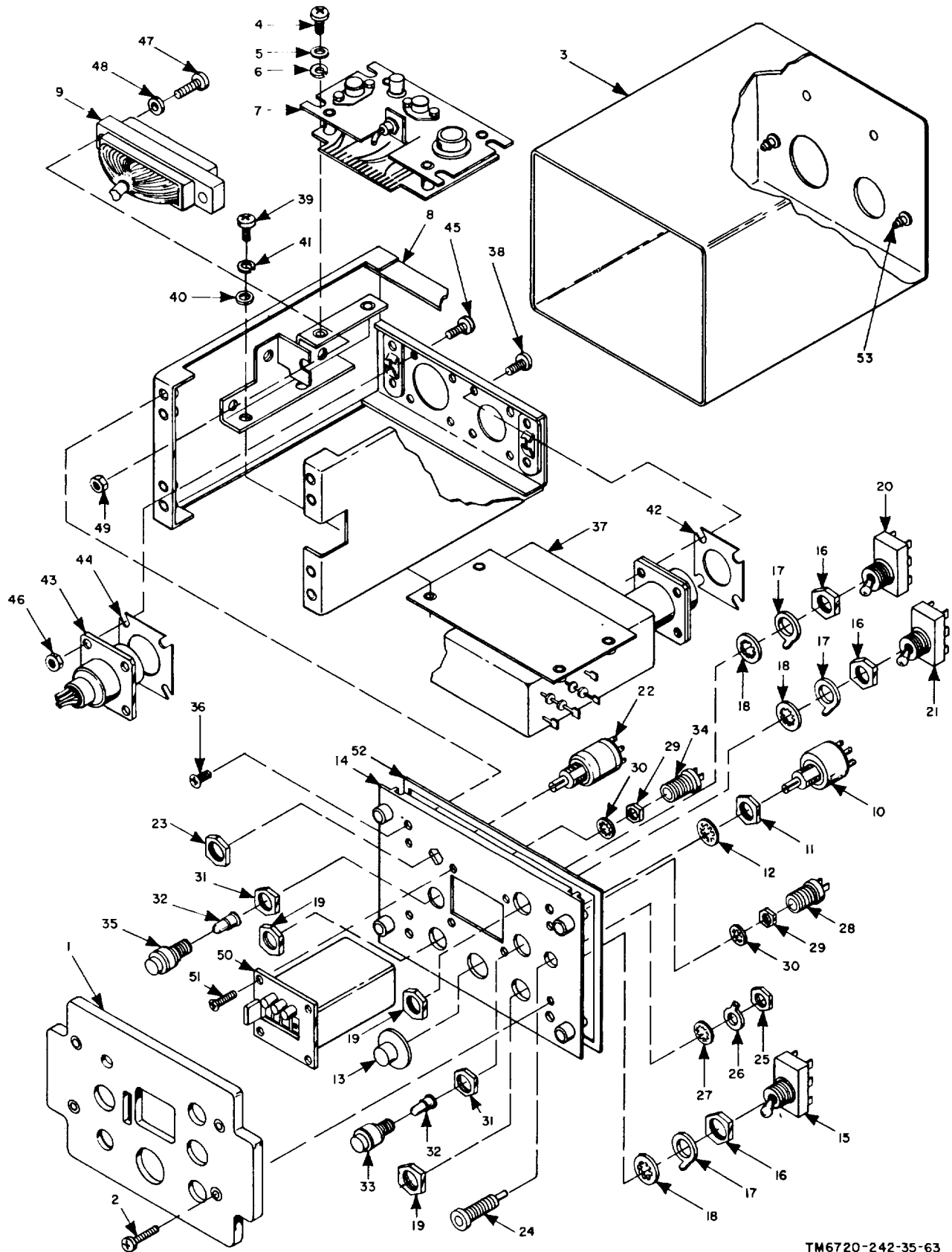


Figure 3-12. Interconnecting board assembly, exploded view.

1	Post (MP491-92)	8	Nut plate (MP488)
2	Screw (H2-H7)	9	Connector (2J3) (1J3)
3	Washer (H68-71)	10	Nut plate (MP489)
4	Post (MP493)	11	Connector (2J2) C1J2)
5	Screw (H2-92)	12	Nut plate (MP490)
6	Washer (H68-70)	13	Interconnecting board (MP494)
7	Connector (2J1) (1J1)		

Figure 3-12-Continued.

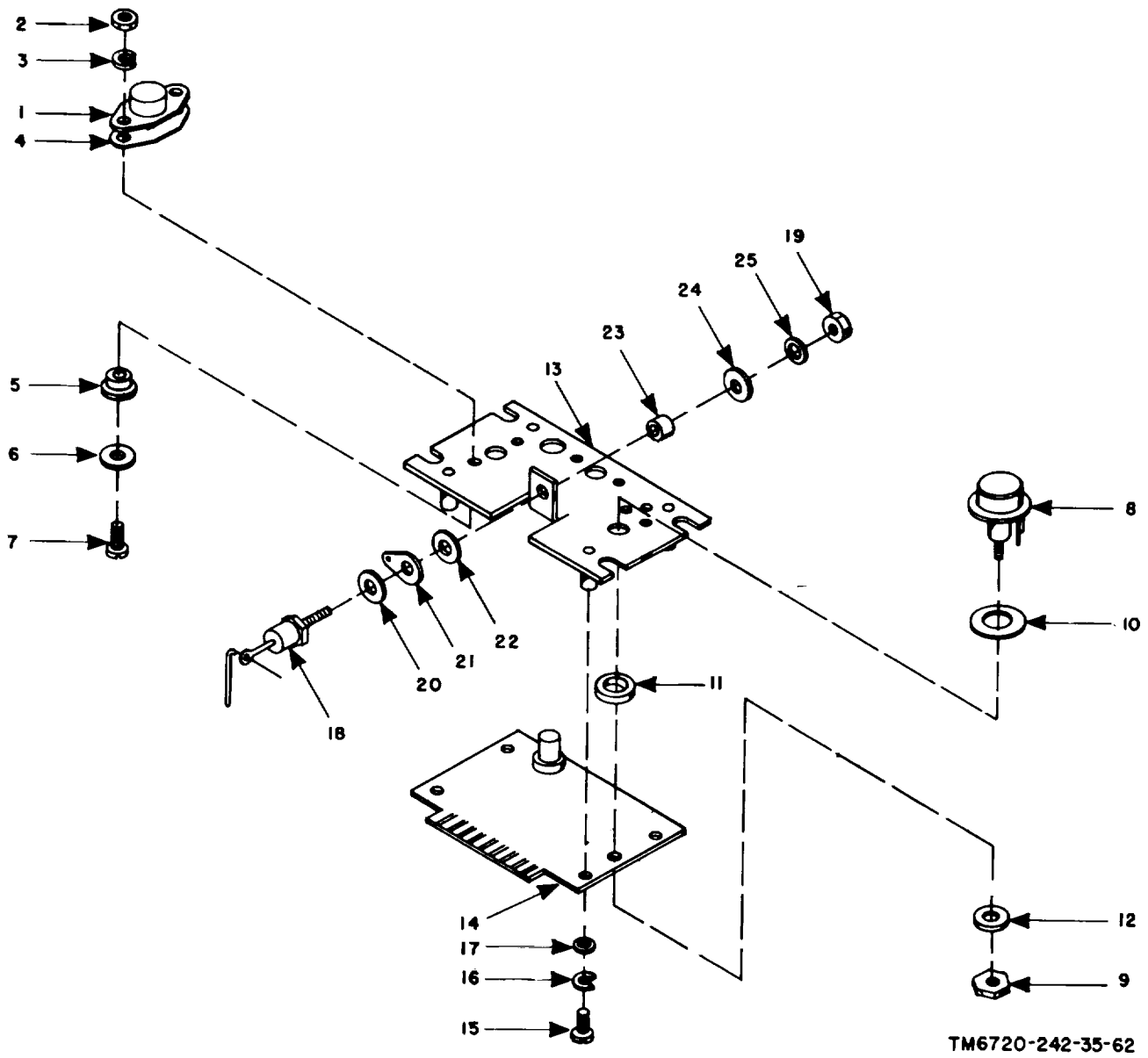


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Figure 3-13. Control panel, exploded view.

1	Faceplate (MP551)	28	Indicator light socket (DS1)
2	Screw (H419-422)	29	Nut (P/O DS1)
3	Cover (MP539)	30	Washer (lock) (P/O DS1)
4	Screw (H360-363)	31	Nut (P/O DS1)
5	Washer (flat) (H368-371)	32	Lamp (DS1-DS2)
6	Washer (lock) (H376-379)	33	Jewel (P/O DS1)
7	Interface board assembly (AI)	34	Indicator light socket (DS2)
8	Chassis (MP523)	35	Jewel (P/O DS2)
9	Connector (3J4) (W1J4)	36	Screw (H419-422)
10	Switch (EXTRA PICTURE) (S5)	37	Filter (FL1)
11	Nut (P/O S5)	38	Screw (H364-367)
12	Washer (lock) (P/O S5)	39	Screw (H356-359)
13	Push button (P/O S5)	40	Washer (lock) (H380-383)
14	Backing plate (MP553)	41	Washer (H372-375)
15	Switch (OPERATE) (S2)	42	Gasket (M,P560)
16	Nut (P/O S2)	43	Connector (3J2) (W1J2)
17	Washer (key) (P/O S2)	44	Gasket (MP561)
18	Washer (lock) (P/O S2)	45	Screw (H431-434)
19	Nut (P/O S2)	46	Nut (lock) (H427-430)
20	Switch (POWER) (S3)	47	Screw (H437-438)
21	Switch (V/H SEL) (S1)	48	Washer (flat) (H439-440)
22	Switch (CAMERA SEL) (S4)	49	Nut (lock) (H435-486)
23	Nut (P/O S4)	50	Counter (M1)
24	Connector (J3)	51	Screw (H352-353)
25	Nut (P/O J3)	52	Gasket (MP554-555)
26	Terminal (P/O J3)	53	Captive screws (P/O MP539)
27	Washer (lock) (P/O J3)		

Figure 3-13--Continued



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- | | | | |
|----|---------------------------------|----|-------------------------------|
| 1 | Semiconductor (2N1485) (Q2, Q4) | 14 | Board assembly (A1) |
| 2 | Nut (H407-410) | 15 | Screw (H384-391) |
| 3 | Washer (H415-418) | 16 | Washer (H400-403) |
| 4 | Mica washer (P/O Q2, Q4) | 17 | Washer (H392-399) |
| 5 | Spacer (P/O Q2, Q4) | 18 | Semiconductor (1N2985B) (VR3) |
| 6 | Washer (P/O Q2, Q4) | 19 | Nut (P/O VR3) |
| 7 | Screw (H411-414) | 20 | Washer (P/O VR3) |
| 8 | Semiconductor (2N1016B) (Q3) | 21 | Terminal (P/O VR3) |
| 9 | Nut (H405) | 22 | Mica washer (P/O VR3) |
| 10 | Mica washer (P/O Q3) | 23 | Spacer (P/O VR3) |
| 11 | Spacer (MP545) | 24 | Mica washer (P/O VR3) |
| 12 | Washer (H406) | 25 | Washer (P/O VR3) |
| 13 | Plate (MP819) | | |

Figure 3-14. Interface board assembly, exploded view.

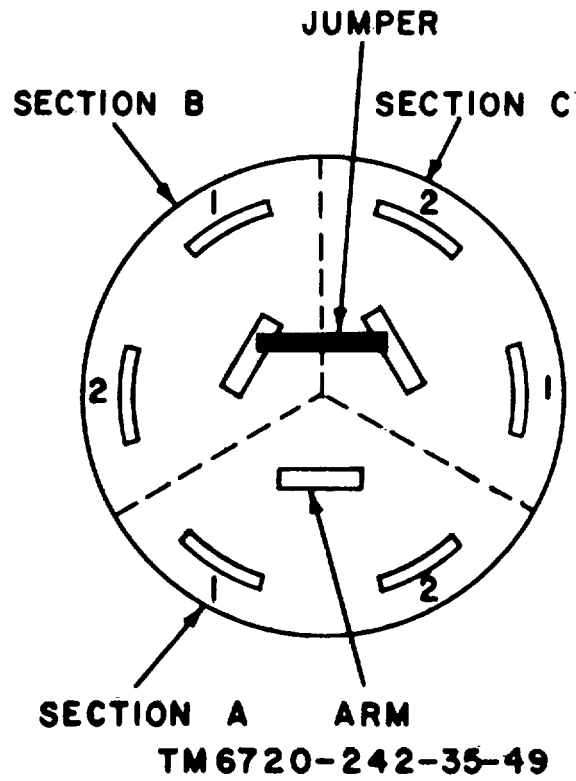
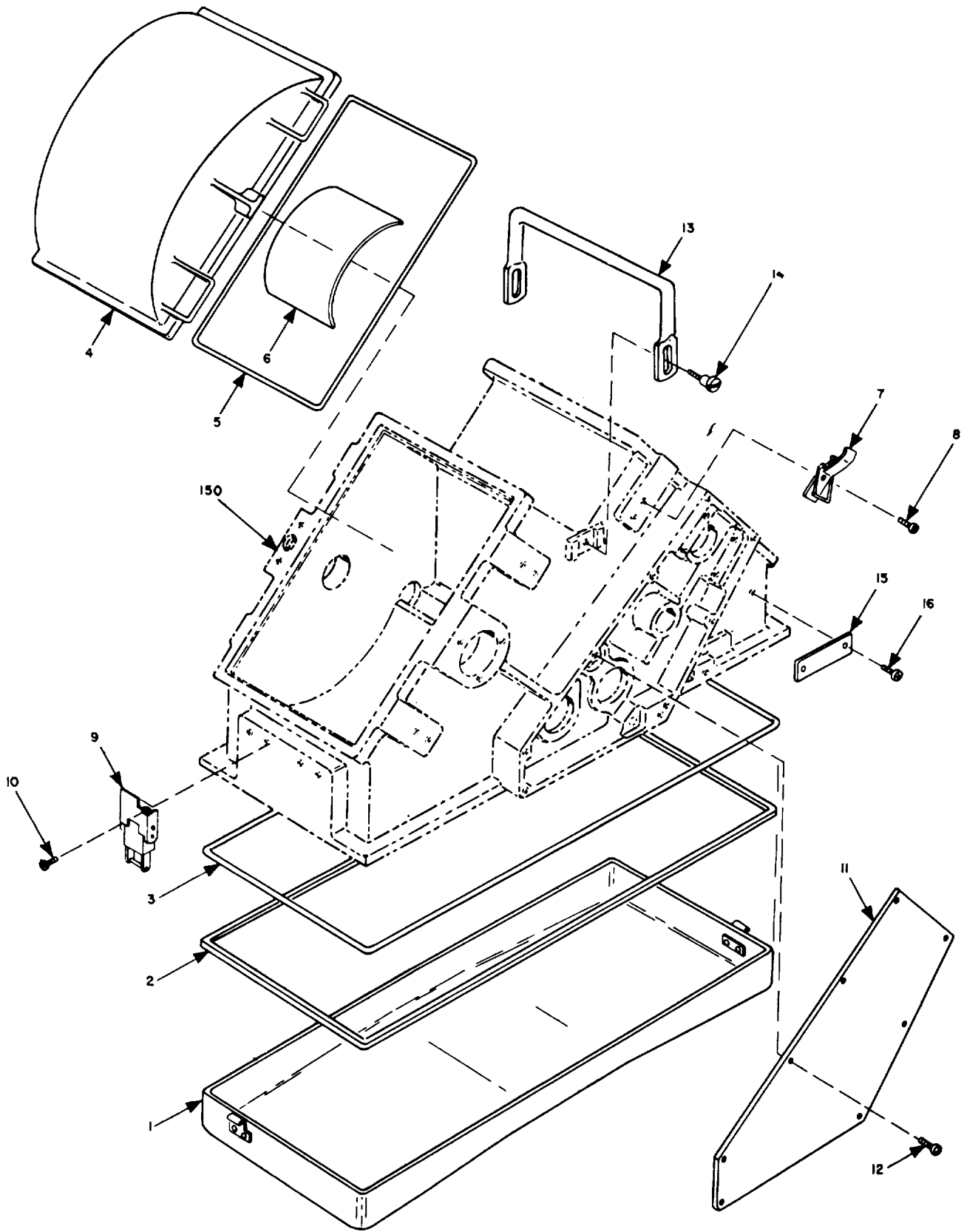


Figure 3-15. CAMERA SEL switch, terminals and jumper wire connections

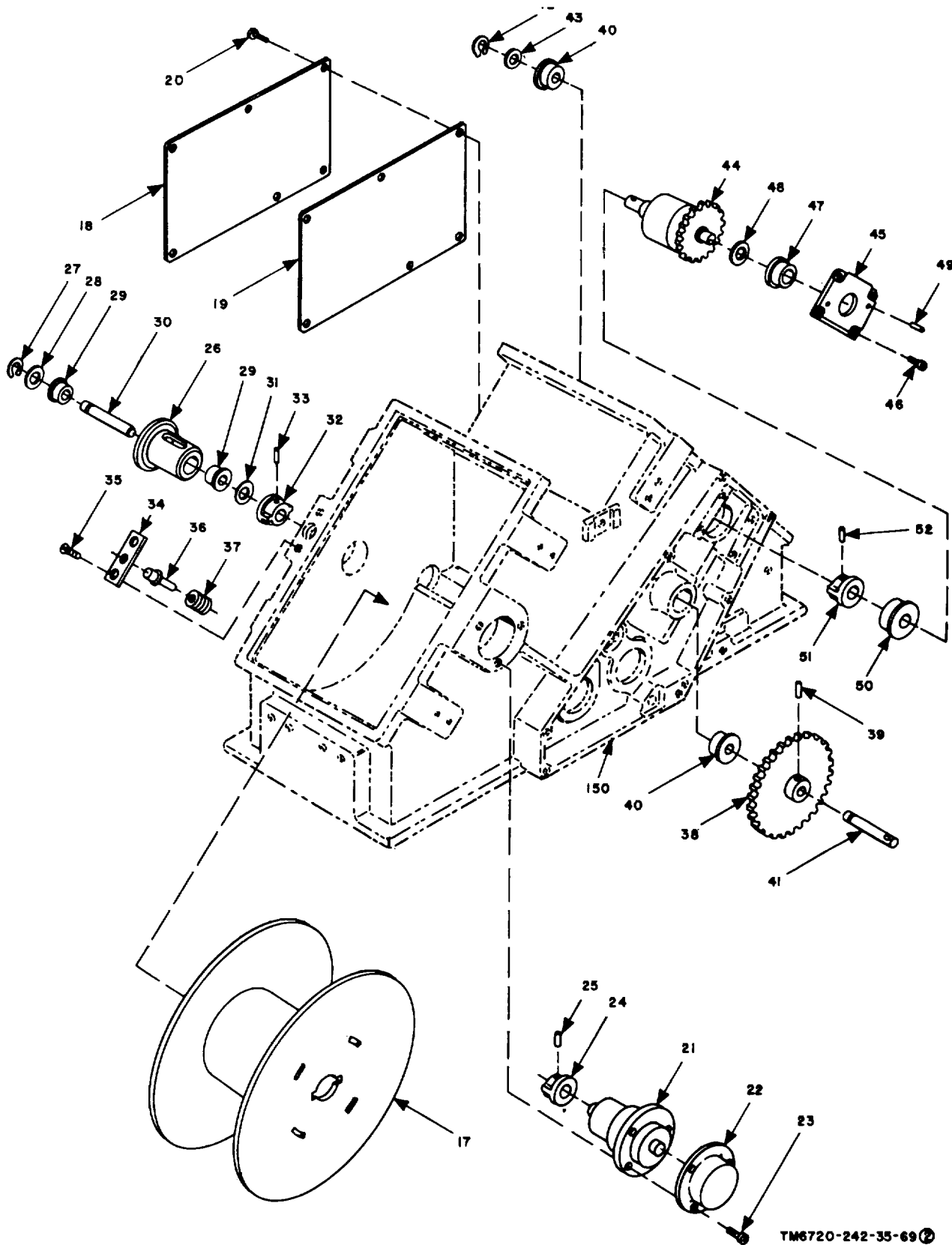


TM6720-242-35-69 ①

Figure 3-16 . Magazine, exploded view (part 1 of 5).

1	Cover (MP584)	10	Screw (MP474-482)
2	Gasket (MP585)	11	Cover (MP682)
3	Gasket (MP602)	12	Screw (MP483-488)
4	Cover (MP592-592)	13	Handle (MP613)
5	Gasket (MP596-597)	14	Screw (H526-527)
6	Decal (MP594-595)	15	Identification plate (MP683)
7	Latch (MP662-669)	16	Screw (H441-442)
8	Screw (MP457-473)	150	Magazine housing (MP614)
9	Catch (MP577-580)		

Figure 3-16(1)--Continued.



TM6720-242-35-69 (2)

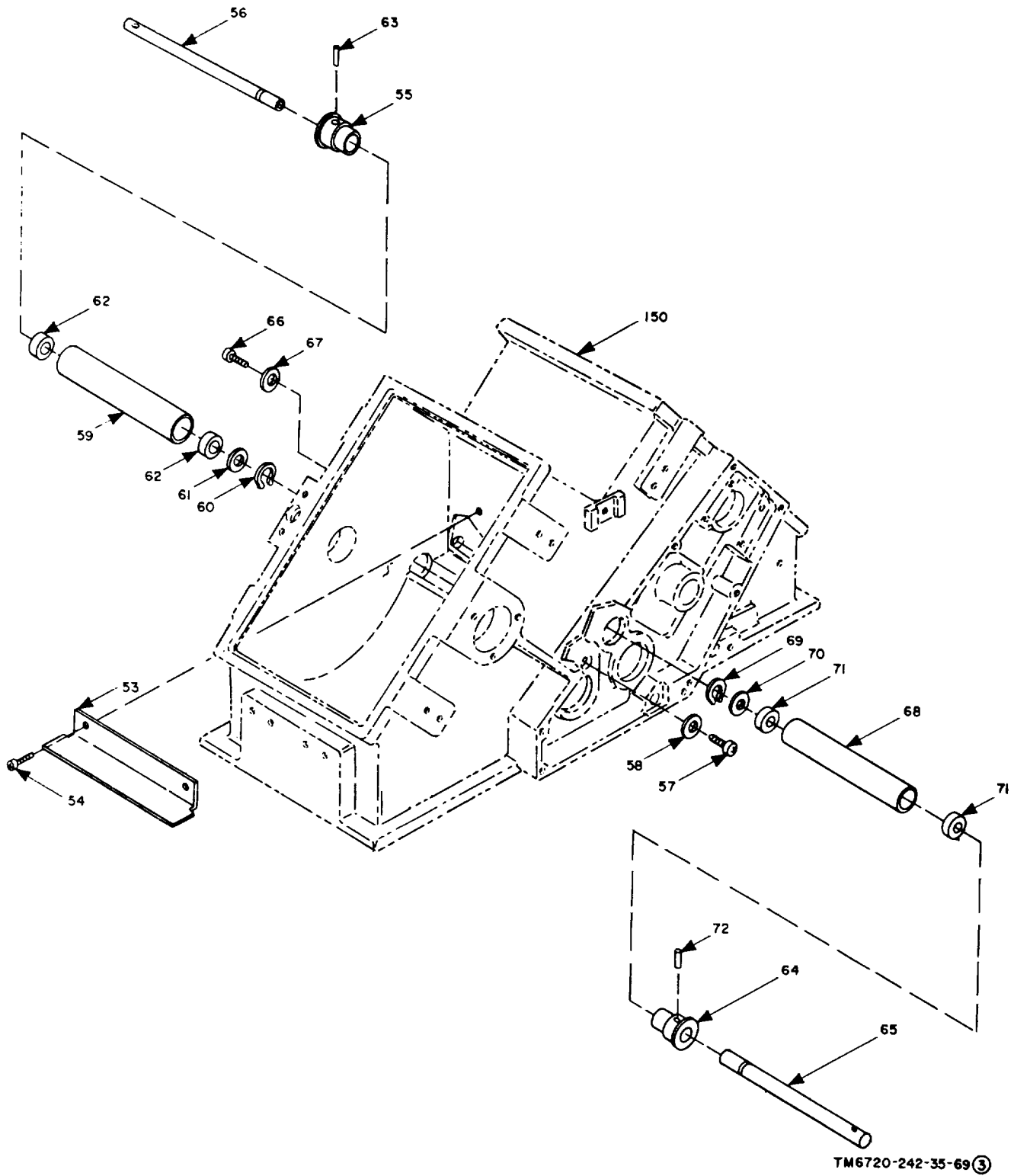
Figure 3-16. Magazine, exploded view (part 2 of 5).

Change 3 3-44

17	Spool (Not available)	36	Shaft (IP67,1)
18	Cover (MP599)	37	Helical spring (MP781-782)
19	Gasket (MP600)	38	Gear hub (MP603)
20	Screw (MP489-494)	39	Pin (MP605)
21	Brake (MP569)	40	Bearing (MP57,1-572)
22	Cover (MP584)	41	Shaft (MP606)
23	Screw (H499-501)	42	Retaining ring (MP735)
24	Pivot (MP570)	43	Shim (MP754)
26	Pin (M'569)	44	Clutch (MP579)
26	spindle assembly (MP76b768)	45	Plate (MP681)
27	Retaining ring (MP721)	46	Screw (H443446)
28	Spacer (MP738)	47	Bearing (MP573)
29	Bearing (MP702-703)	48	Shim (MP755)
30	Shaft (MP773-774)	49	Pin (MP672-673)
31	Shim (MP776-776)	50	Bearing (MP577)
32	Pivot (MP61)	51	Pivot (MP769)
33	Pin (MP767)	52	Pin (MP768)
34	Plate (MP684-685)	150	Magazine housing (MP614)
36	Screw (MP495-496)		

Figure 3-16 (2)-Continued.

Change 3 3-45



TM6720-242-35-69 ③

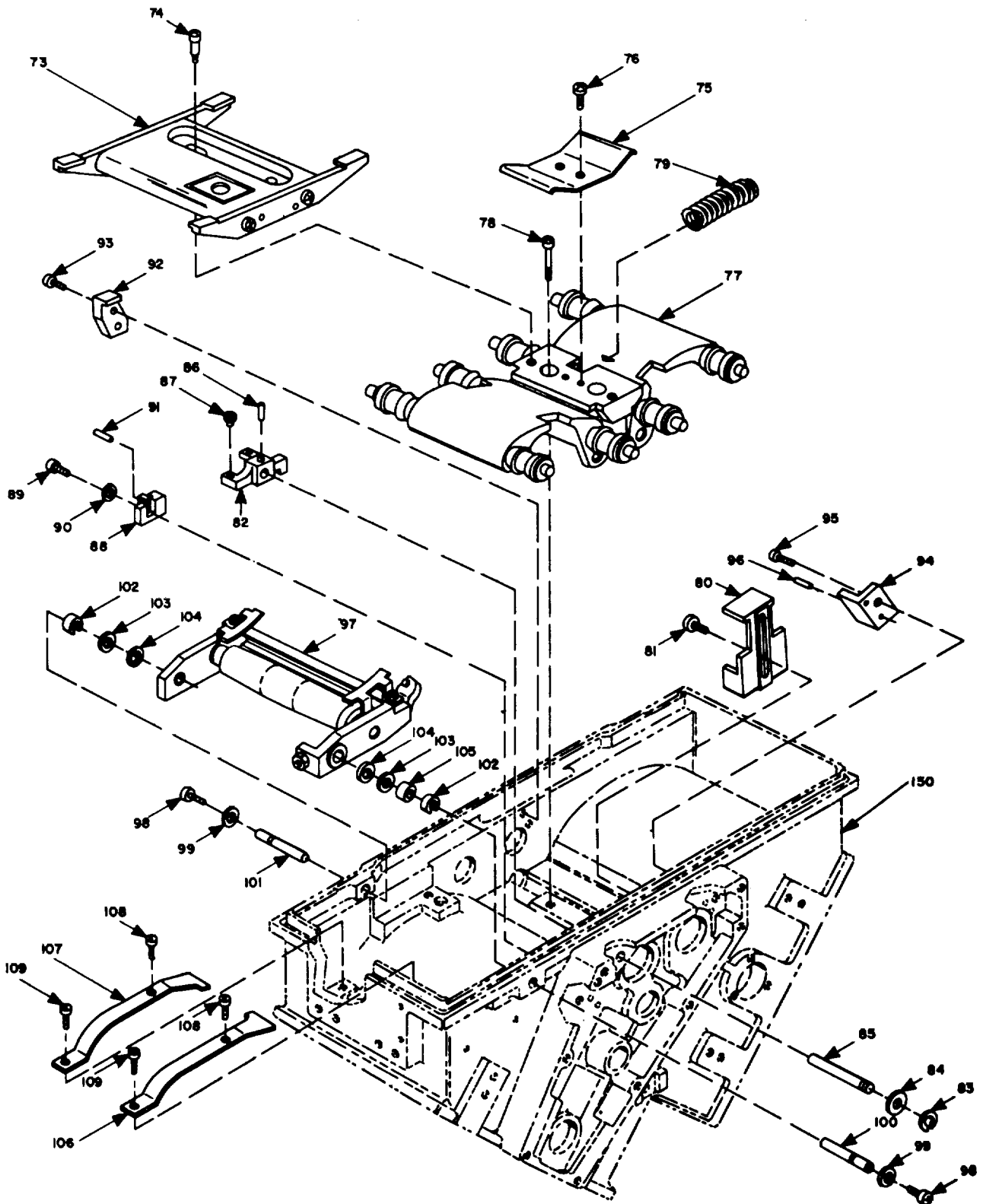
- | | | | |
|----|----------------------|----|---------------|
| 53 | Light shield (MP748) | 56 | Shaft (MP737) |
| 54 | Screw (MP497-98) | 57 | Screw (H502) |
| 55 | Adapter (MP731) | 58 | Washer (H544) |

Figure 3-16. Magazine, exploded view (part 3 of 5).

Change 3 3-46

59	Film roller (MP736)	67	Washer (H545)
60	Retaining ring (MP744)	68	Film roller (MP745)
61	Spacer (MP747)	69	Retaining ring (MP771-772)
62	Bearing (MP732)	70	Spacer (MP777-778)
63	Pin (MP734)	71	Bearing (MP733)
64	Adapter (MP740)	72	in (MP743)
65	Shaft (MP746)	150	Magazine housing (MP614)
66	Screw (H503)		

Figure 3-16(3)--Continued.

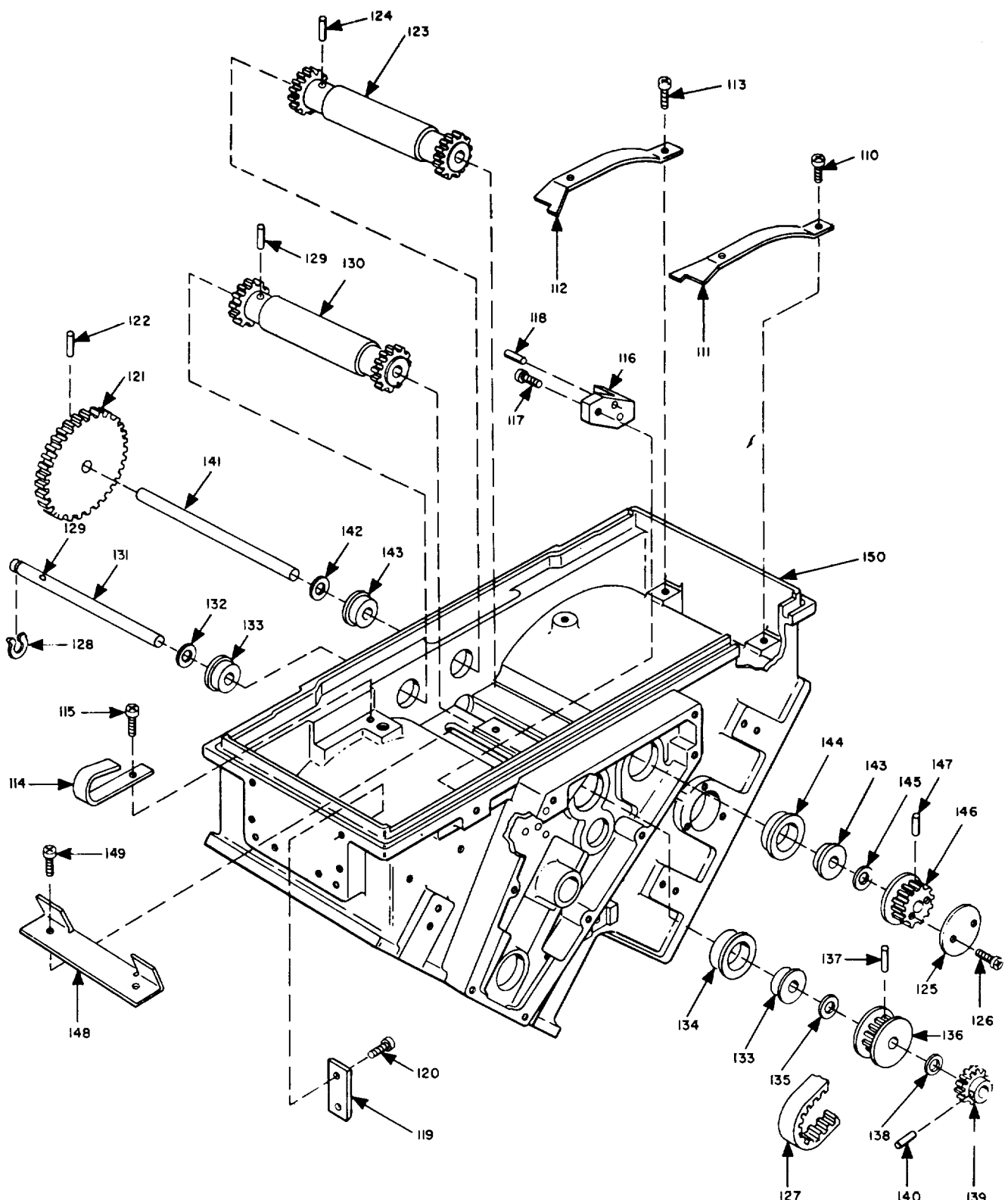


TM6720-242-35-68 ④

Figure 3-16. Magazine, exploded view (part 4 of 5).

73	Pressure plate assembly (MP686)	92	Stop (MPSGS)
74	Screw (H534-535)	93	Screw (H542-43)
75	Leaf spring (MP785)	94	Bracket (IfP564)
76	Screw (H508-509)	95	Screw (H447)
77	Keeper plate assembly (MP615)	96	Pin MP675676)
78	Screw (H528-69)	97	Pressure roller assembly (MP701)
79	Spring (MP780)	98	Screw (H448)
80	Retractor cam (MP676)	99	Washer (H532-533)
81	Screw (H4566456)	100	Shaft (MP680)
82	Rocker arm (MP724)	101	Shaft (MP679)
83	Retaining ring (MP637-644)	102	Washer "C" (MP809-810)
84	Shim (MP753)	103	Shim (MP751-752)
85	Shaft (MP728)	104	Shim (MP749-750)
86	Pin (MP725)	105	Spacer (MP758)
87	Pin (MP726-727)	106	Film guide (MP611)
88	Bracket (MP566)	107	Film guide (MP612)
89	Screw (H453)	108	Screw (H300303)
90	Washer (H454)	109	Screw (H423-424)
91	Pin (MP674)	150	Magazine housing (MP614)

Figure 3-16(4)--Continued



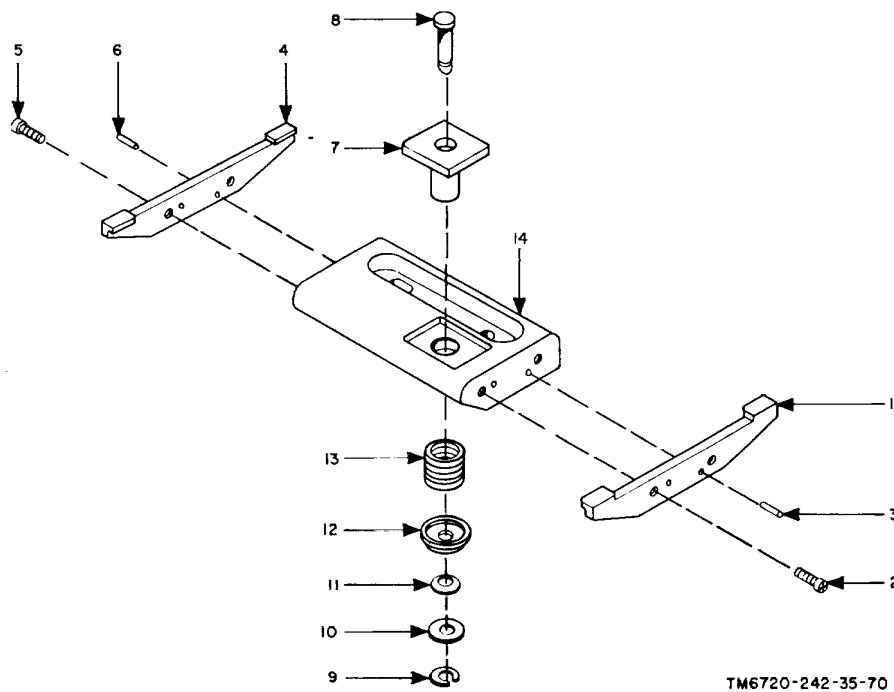
TM6720-242-35-69 ©

- | | | | |
|-----|--------------------|-----|-------------------------|
| 110 | Screw (H425) | 113 | Screw (H424-426) |
| 111 | Film guide (MP607) | 114 | Leaf spring (MP783-784) |
| 112 | Film guide (MP608) | 115 | Screw (H449) |

Figure 3-16 Magazine, exploded view (part 5 of 5).

- | | | | |
|-----|-------------------------|-----|--------------------------|
| 116 | Bracket (IMP565) | 134 | Adapter (MP791) |
| 117 | Screw (H450-452) | 135 | Spacer (MP795) |
| 118 | Pin (MP677-678) | 136 | Pulley assembly (MP792) |
| 119 | Film guid (MP609-10) | 137 | Pin (MP790) |
| 120 | Screw (H514-525) | 138 | Spacer (MP794) |
| 121 | Gear (MP799) | 139 | Gear (MP788) |
| 122 | Pin (MP802) | 140 | Pin (MP800) |
| 123 | Sprocket (MP807) | 141 | Shaft (MP805) |
| 124 | Pin (MP789) | 142 | Shim (MP757) |
| 125 | Flange (.P601) | 143 | Bearing (MP575) |
| 126 | Screw (H510-511) | 144 | Adapter (MP803) |
| 127 | Belt (MP563) | 145 | Spacer (MP806) |
| 128 | Retaining ring (M'P722) | 146 | Pulley (MP804) |
| 129 | Pin (MP800) | 147 | Pin (MP801) |
| 130 | Sprocket (MP796) | 148 | Stripper (MP808) |
| 131 | Shaft (MP793) | 149 | Screw (H512-513) |
| 132 | Shim (MP756) | 150 | Magazine housing (MP614) |
| 133 | Bearing (MP754) | | |

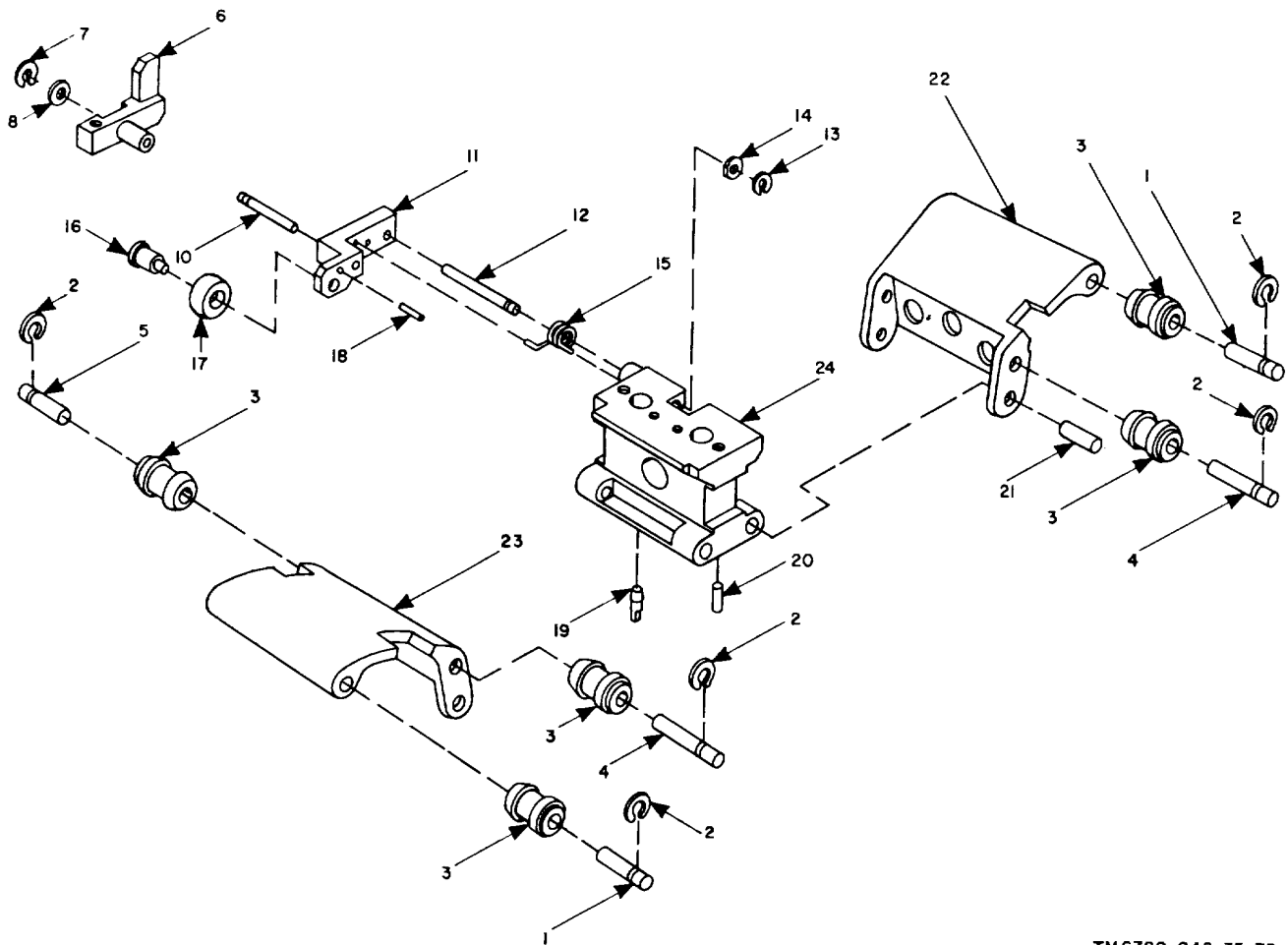
Figure 3-16(5)--Continued



TM6720-242-35-70

- | | | | |
|---|-----------------------------|----|--------------------------------|
| 1 | Film guide (MP687) | 8 | Pin (MP689) |
| 2 | Screw (H536-537) | 9 | Retaining ring (MP696) |
| 3 | Pin (MP690-691) | 10 | Washer (M-P698) |
| 4 | Film guide (MP688) | 11 | Washer, tension spring (MP699) |
| 5 | Screw (H538-539) | 12 | Washer (MP700) |
| 6 | Pin (MP692-693) | 13 | Spring (MP697) |
| 7 | Adas pressure plate (MP695) | 14 | Pressure plate (MP694) |

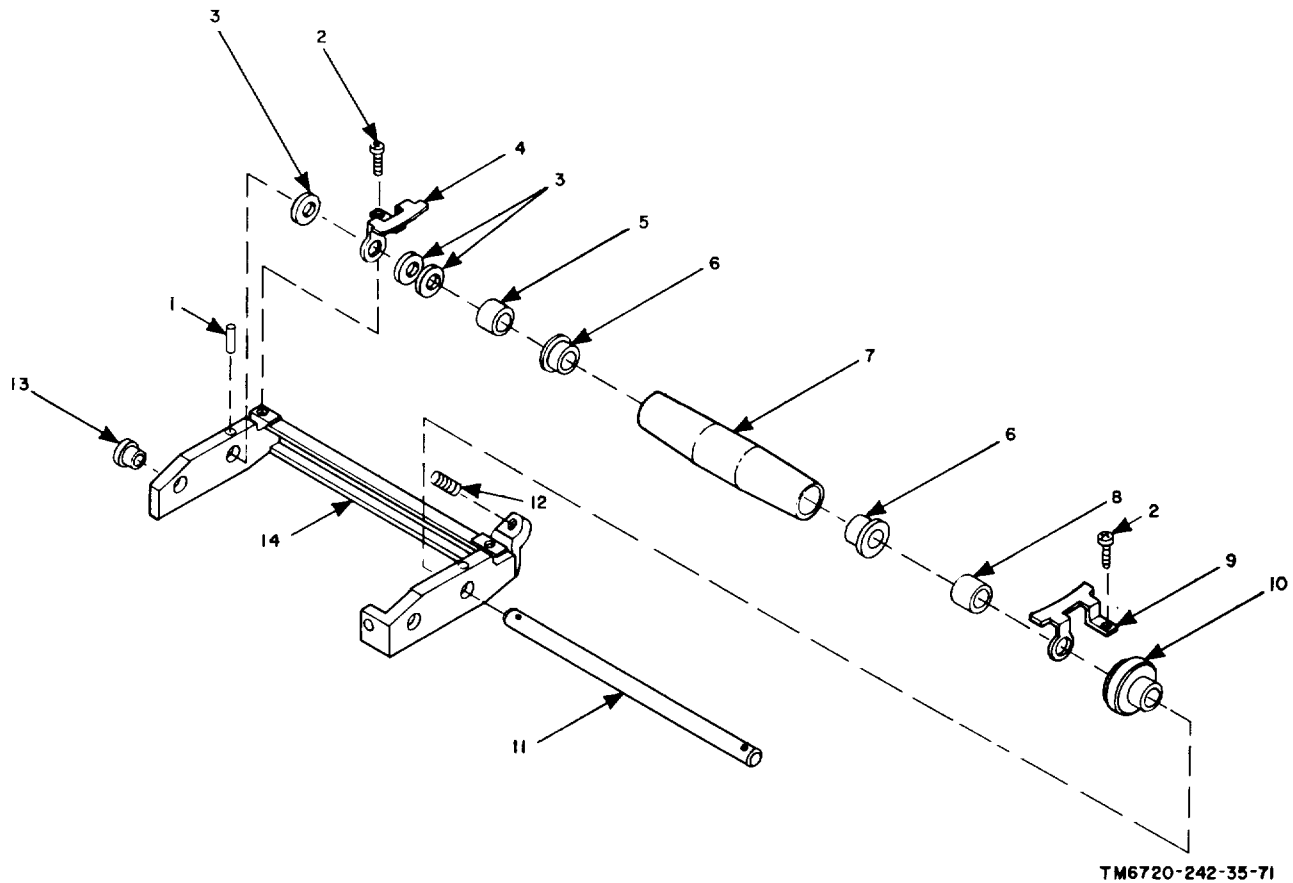
Figure 3-17. Pressure plate assembly, exploded view.



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- | | | | |
|----|----------------------------|----|----------------------------------|
| 1 | Shaft (MP657-658) | 13 | Retaining ring (MP636) |
| 2 | Retaining ring (MP637-644) | 14 | Shin (MP660) |
| 3 | Keeper roller (MP645-52) | 15 | Spring (MP661) |
| 4 | Shaft (MP622-23) | 16 | Pin (MP630) |
| 5 | Shaft (MP653656) | 17 | Roller (MP632) |
| 6 | Arm (MP616) | 18 | Pin (MP631) |
| 7 | Retaining ring (MP635) | 19 | Pin (shoulder) (MP620) |
| 8 | Shim (MP659) | 20 | Pin (MP621) |
| 9 | (Not used) | 21 | Pin (MP624-627) |
| 10 | Shaft (MP634) | 22 | Keeper arm (supply side) (MP617) |
| 11 | Pivot arm (MP629) | 23 | Keeper arm (takeup side) (MP618) |
| 12 | Shaft (MP633) | 24 | Keeper block (MP619) |

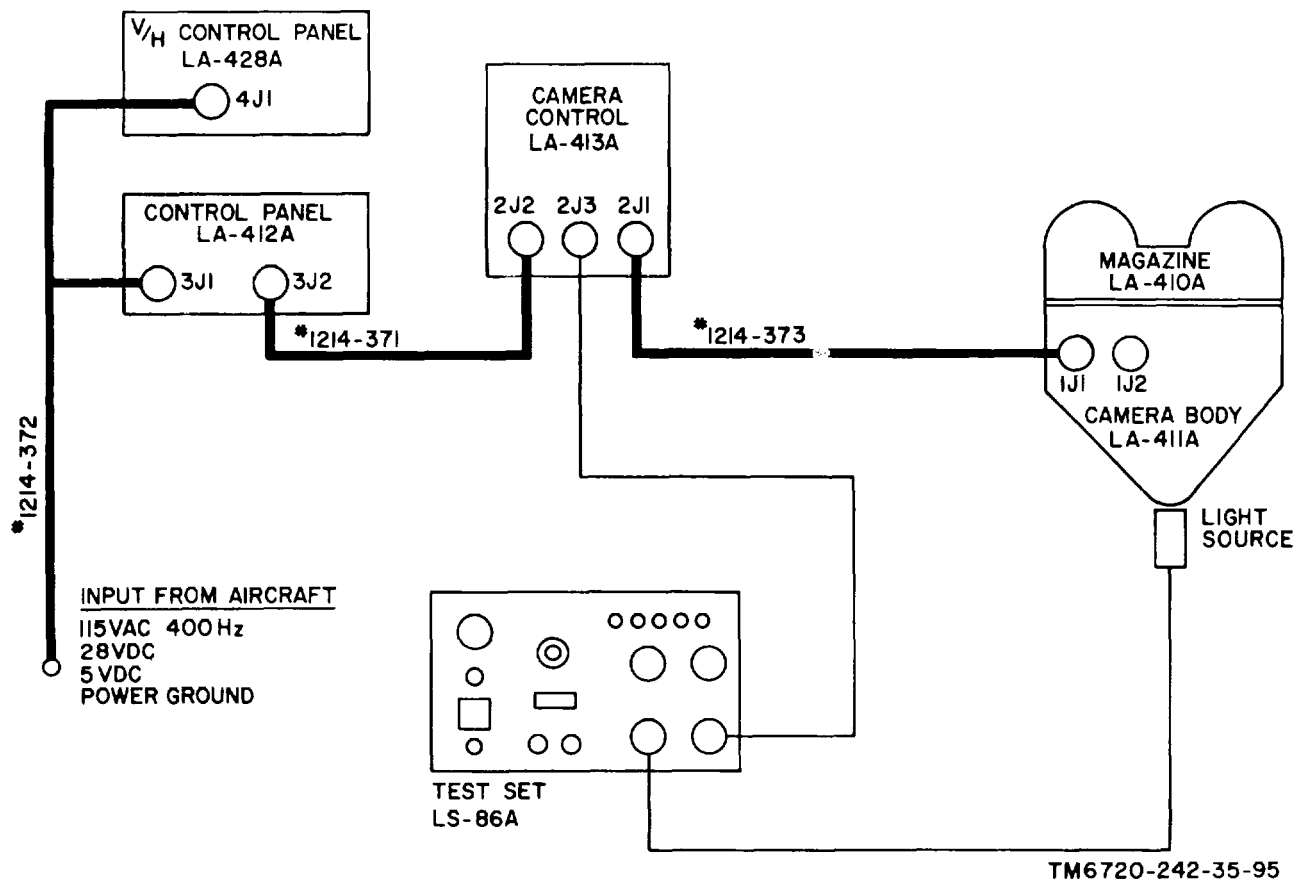
Figure 3-18. Keeper block assembly, exploded view.



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- | | | | |
|---|---------------------|----|---------------------------|
| 1 | Pin (MP710-7111) | 8 | Spacer (MP713) |
| 2 | Screw (H540-541) | 9 | Guide (MP706) |
| 3 | Shim (MP716-718) | 10 | Roller follower (MP709) |
| 4 | Film guide (MP707) | 11 | Tube (MP715) |
| 5 | Spacer (MP712) | 12 | Screw (MP714) |
| 6 | Bearing (MP761-764) | 13 | Sleeve bushing (MP704705) |
| 7 | Roller (MP708) | 14 | Yoke (MP719) |

Figure 3-19. Pressure roller assembly, exploded view.



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Figure 3-20. Test set cables.

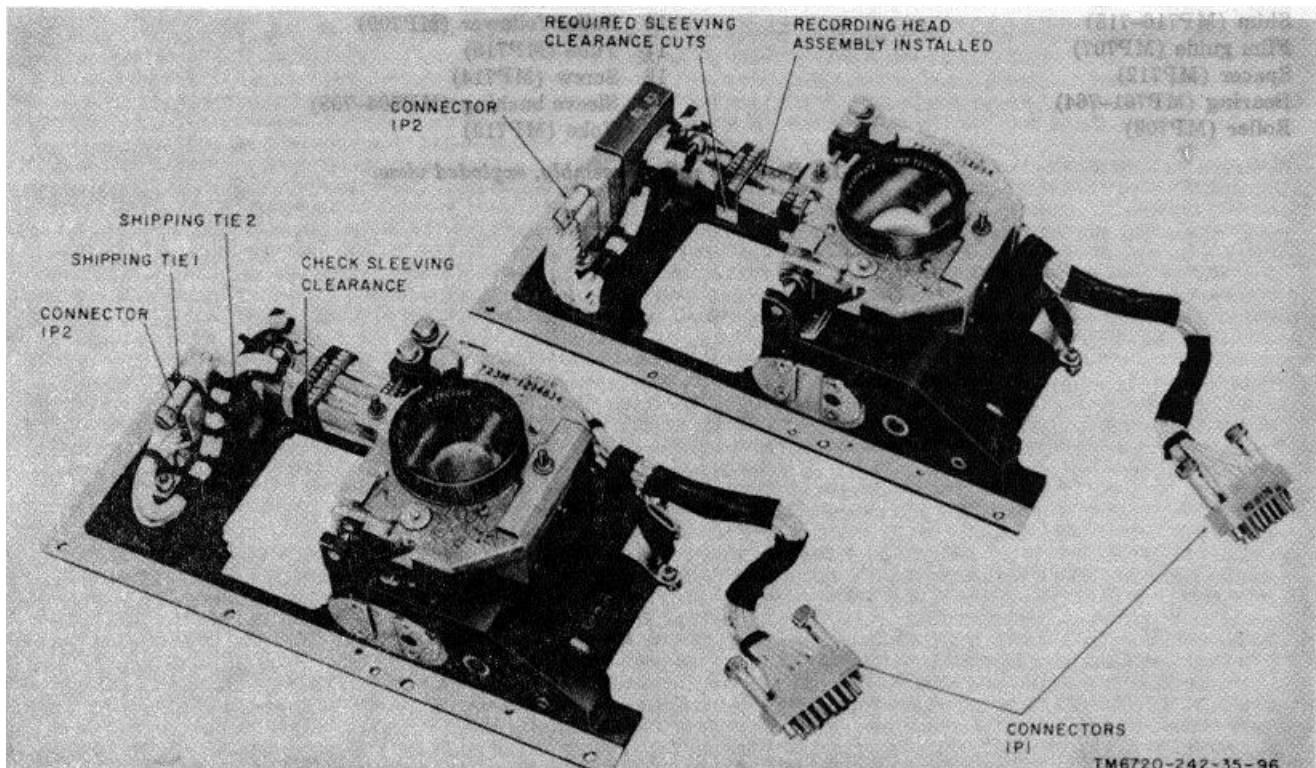


Figure 3-21. Aec assembly

**CHAPTER 4
GENERAL SUPPORT MAINTENANCE**

Section I. TROUBLESHOOTING

i

4-1. Tools and Test Equipment Required for General Support Troubleshooting

a. The tools, test equipment, and materials listed in (1) and (2) below, as well as those designated for direct support (para 3-3), are required for troubleshooting at the general support level of maintenance.

(1) Special tools and test equipment.

Test equipment	Use
Interface board assembly test setup (fig. 4-1)	Check all circuits of interface board assembly.
AEC board assembly test setup (fig. 4-2).	Checks all circuits of aec board assembly
Control board assembly test setup (fig. 4-3)	Checks all circuits of control board assembly.
Scan drive board assembly test setup (fig 4-4)	Checks all circuits of scan drive board assembly
Motor-tachometer assembly test setup (fig. 4-5).	Checks and calibrates The motor-tachometer assembly

(2) Materials

Materials	Part or type No.	Vendor	Use
Solid film lubricant	MIL-L-		Lubricating diaphragm blades.
Synthetic grease	Anderol-L757	Lehigh Chemical Products Co.	Lubricating gears.
Solid film lubricant	MIL—8937		Magazine rocker arm assembly.
Molybdenum disulfide	MIL-M-7866		Lubricating imc spur gear and shaft.
Adhesive	No. 6128	U. S. Rubber Co.	Installing magazine cover gasket.
Eccobond cement	No. 45		Installing magazine film guides
Methyl, ethyl keytone	TT-M-261		Removing cement from magazine cover.

b. The following instruments or equivalents are also required for general support troubleshooting:

- (1) Digital Voltmeter AN/GSM-64.
- (2) Oscilloscope AN/USM-140.
- (3) Electronic Counter AN/USM-207.
- (4) Pulse Generator, Dumont Model 404.
- (5) Strobotac, General Radio Model 1531.

4-2. Fabrication of Test Fixtures

a. The test fixtures listed below are not supplied as components of the camera. They must be fabricated.

b. Refer to the applicable figure and construct a test set that permits a component board assembly to be plugged into a connector which is wired to the circuits and instruments shown in the illustration. An exception is a test setup for checking a motor and tachometer-generator assembly, which requires direct power connections and provisions for the mechanical coupling of a counter.

c. The test fixtures to be fabricated are illustrated in the figures designated.

- (1) Interface board assembly test fixture (fig. 4-1).
- (2) AEC board assembly test fixture (fig. 4-2).

- (3) Control board assembly test fixture (fig. 4-3).
- (4) Scan board assembly test fixture (fig. 4-4).
- (5) Tachometer-generator calibration test fixture (fig. 4-5).

43. General Support Troubleshooting Procedures

The procedures prescribed for the lower categories of maintenance are applicable at the general support level of maintenance. Refer to chapter 3 of this volume and to TM 11-6720-242-12 for the data and procedures of these levels. The troubleshooting charts of paragraph 4-4 contain the symptoms, probable causes, and corrections of malfunctioning that could not be corrected at the lower categories of maintenance. However, troubles may have been localized or isolated at the lower levels but have not been corrected and in such cases only the corrective measures are required at the general support level.

4-4. Troubleshooting Charts

Troubleshooting charts for the camera body, camera control, control panel, and magazine are contained in this paragraph..

a. Troubleshooting Camera Body.

<u>Item</u>	<u>Malfunction</u>	<u>Probable Cause</u>	<u>Corrective Action</u>
1	No IMC operation	a. Mode relay K3 on control board assembly. b. Solenoid assembly c. Solenoid lever	a. Check IMC signal circuit (para 4-8f). Replace defective part. b. Replace solenoid (para 4-35). c. Replace solenoid lever (para 4-35).
2	Motor-tachometer outputs not coordinated.	a. Tachometer potentiometer R ₁ , resistors R2, R3. b. Tachometer-generator	a. Check and replace faulty part .b. Replace tachometer-generator (para 4-30).
3	Scan motor operation erratic or not effective.	a. Worn carbon brushes b. Brush retainer c. Motor and gear assembly	a. Replace brushes (para 4-1). b. Replace brush retainer (para 4-31). Replace motor and gear assembly (para 4-30). Replace puck (para 4-32).
4	Film advance improper	Worn puck	Examine each gear and replace where any defect is evidenced. Lubricate dry gears (para 4-37). Replace (para 416).
5	Scan drive gear train operation faulty	Worn or damaged gear	Replace lens assembly (para 4-19 and 4-20).
6	Scratched film	Focal plane plate	
7	Defective photography	Lens assembly	
8	Incorrect exposure	a. Diaphragm blade b. Pivot plate . c. Defective pivot plate spring d. Defective diaphragm blade guide e. Shutter blade	a. Examine both blades. Replace as necessary (para 4-19 and 20). b. Replace if damaged (para 419 and 20). c. Replace spring (para 4-20). d. Replace blade guide (para 4-20). e. Replace shutter blade (para 4-26). f. Check blade spring and replace if necessary (para 4-26).

<u>Item</u>	<u>Malfunction</u>	<u>Probable Cause</u>	<u>Corrective Action</u>
9	ADAS ineffective	a. Cathode ray tube b. Lens-mirror assembly c. Capping cam or capping link assembly. (para 4-25).	a. Replace tube (para 3-14). . Check and replace (para 4-27). Check and replace defective part
10	End of film switch defective	Sensitive switch or switch actuator	Check and replace defective part (para 4-24).

b. Troubleshooting Camera Control.

<u>Item</u>	<u>Malfunction</u>	<u>Probable Cause</u>	<u>Corrective Action</u>
1	Slit in focal plane and aperture opening improperly controlled	a. AEC log amplifier b. Photocell amplifier c. Scaling accuracy d. Motor speed Resistor R22 on control board assembly.	a. Check log amplifier AR1 outputs (para 4-7b). Replace R3 as directed b. Check photocell amplifier AR2 outputs (para 4-7c). Replace defective parts. c. Check the scaling accuracy (para 4-7f). Replace defective parts. d. Check motor speed (para 4-7e). Check mode switch circuit (para 4-8a). Replace defective parts.
2	Improper switchover from automatic to pulse operation.	a. Resistors R34 and PR35 on control board assembly. b. Resistor R10 on control board assembly. (para 4-8c). c. V/H scaling network d. Voltage divider R13, R14, R15, and VR1 on control board assembly.	a. Check intervalometer calibration (para 4-8b). b. Check V/H VERT-1 circuit Replace as directed. c. Check V/H scaling network (para 4-8d). Replace defective parts. d. Check circuit (para 4-8). Replace defective parts.
3	Incorrect timing between pulses.	a. Resistors R34 and PR35 on control board assembly. b. Resistor R10 on control board assembly. (para 4-8c). c. V/H scaling network d. Voltage divider R13, R14, R15, and VR1 on control board assembly.	a. Check intervalometer calibration (para 4-8b). b. Check V/H VERT-1 circuit Replace as directed. c. Check V/H scaling network (para 4-8d). Replace defective parts. d. Check circuit (para 4-8). Replace defective parts.
4	Scan drive not functioning or scan motor speeds are erratic. board assembly.	a. Gain or linearity circuits on scan board assembly. b. Scan control relay K1 on scan (para 49f). Replace defective part. Transistors Q12 and Q13 on scan board assembly.	a. Check both circuits (para 4-9a through d). Replace defective parts. b. Check scan control relay K1 circuit Check circuit (para 4-9e). Replace defective part.
5	Dynamic motor brake not operating.	Transistors Q12 and Q13 on scan board assembly.	Check circuit (para 4-9e). Replace defective part.

c. Troubleshooting Control Panel.

<u>Item</u>	<u>Malfunction</u>	<u>Probable Cause</u>	<u>Corrective Action</u>
1	Radio signals affecting Radio camera operation	a. Replace radio interference filter	a. Replace radio interference filter (para 4-45).
2	Frames remaining indicator inoperative	a. Indicator defective mechanically or electronically b. Pulse circuit on interface board assembly.	a. Replace frames remaining indicator (para 4-46). b. Test circuit (para 44). Replace malfunctioning part.
3	No +22 volts regulated control voltage or voltage variable.	a. Transistor Q3 on interface board assembly b. Resistor R8 on interface board assembly. c. Voltage regulator VR3 on interface board assembly.	a. Check Q3 and replace, if necessary, para 46). b. Check R8 and replace, if necessary, (para 4-6). c. Check VR3 and replace, if necessary, (para 46).
4	No pulse scan control relay K1 on scan board assembly	Fail safe circuit on interface board assembly.	Check fail safe circuit (para 4-6b) and replace malfunctioning part
5	No annotation pulse for aircraft equipment.	Annotation circuit on interface board assembly.	Check annotation circuit (para 4-6e) and replace malfunctioning part.
6	Extra picture switch inoperative.	Extra picture circuit on interface board assembly.	Check extra picture circuit (para 4-6d) and replace malfunctioning part.
7	No IMC operation	Q4 or R10 on interface board assembly.	Check IMC circuit (para 4-6a). Replace malfunctioning part.

d. Troubleshooting Magazine.

<u>Item</u>	<u>Malfunction</u>	<u>Probable Cause</u>	<u>Corrective Action</u>
1	Film does not take up	a. Broken belt b. Film guides bent, binding film against pressure plate.	a. Replace belt (para 4-49). b. Replace bent film guide on pressure roller assembly (para 4-66).
2	Film frame is short, less than 11.4 inches	a. Improper timing b. Improper film threading . c. Defective magazine brake d. Defective magazine clutch e. Magazine pressure roller assembly f. Adas pressure plate set out of tolerance.	a. Check alinement of camera body assemblies (para 4-66). b. Thread magazine properly Check brake and replace, if necessary (para 4-50). d. Check clutch and replace, if necessary (para 4-52). e. Check pressure roller assembly and replace, if necessary (para 3-42). f. Check and reset adjustment of pressure roller, if necessary (para 4-63).
3	Film resolution is less than 25 lines	a. Magazine keeper block assembly b. Leaf spring exhausted c. Magazine improperly seated on camera body.	a. Check installation of keeper block assembly and replace if necessary (para 341). b. Replace leaf spring. c. Check for foreign matter, burs, or damage to mating surfaces.
4	Banding within negative frame.	a. Magazine pressure roller assembly b. Magazine keeper assembly c. Improper threading d. Defective magazine brake e. Defective magazine clutch	a. Check installation and smooth operation of pressure roller assembly (para 3-42) and re- place, if necessary. b. Check installation of keeper block assembly (para 341) and replace if necessary c.. Thread magazine properly. (TM 11-6720-242-12). d. Check brake and replace, if necessary (para 4-50). e. Check clutch and replace, if necessary (para 4-52). Replace defective film guide (para 4-80).
5	Scratches on film	Surfaces of magazine film guides that touch film) are not smooth	

4-5. Signal Substitution Tests

Use of the fabricated test fixtures described in paragraph 4-2 is necessary for the performance of the signal substitution tests contained in paragraphs 4-6 through 4-10. The test fixtures are illustrated in figures 4-1 through 4-5.

4-6. Testing Interface Board Assembly Circuits

NOTE

When the designated value or condition of a test is not obtained, remove the interface board from the test fixture, then check the malfunctioning circuit with the help of figure 2-12, to isolate the faulty part or assembly for replacement.

a. Testing + 22 Volts Dc Regulated and IMC Circuits.

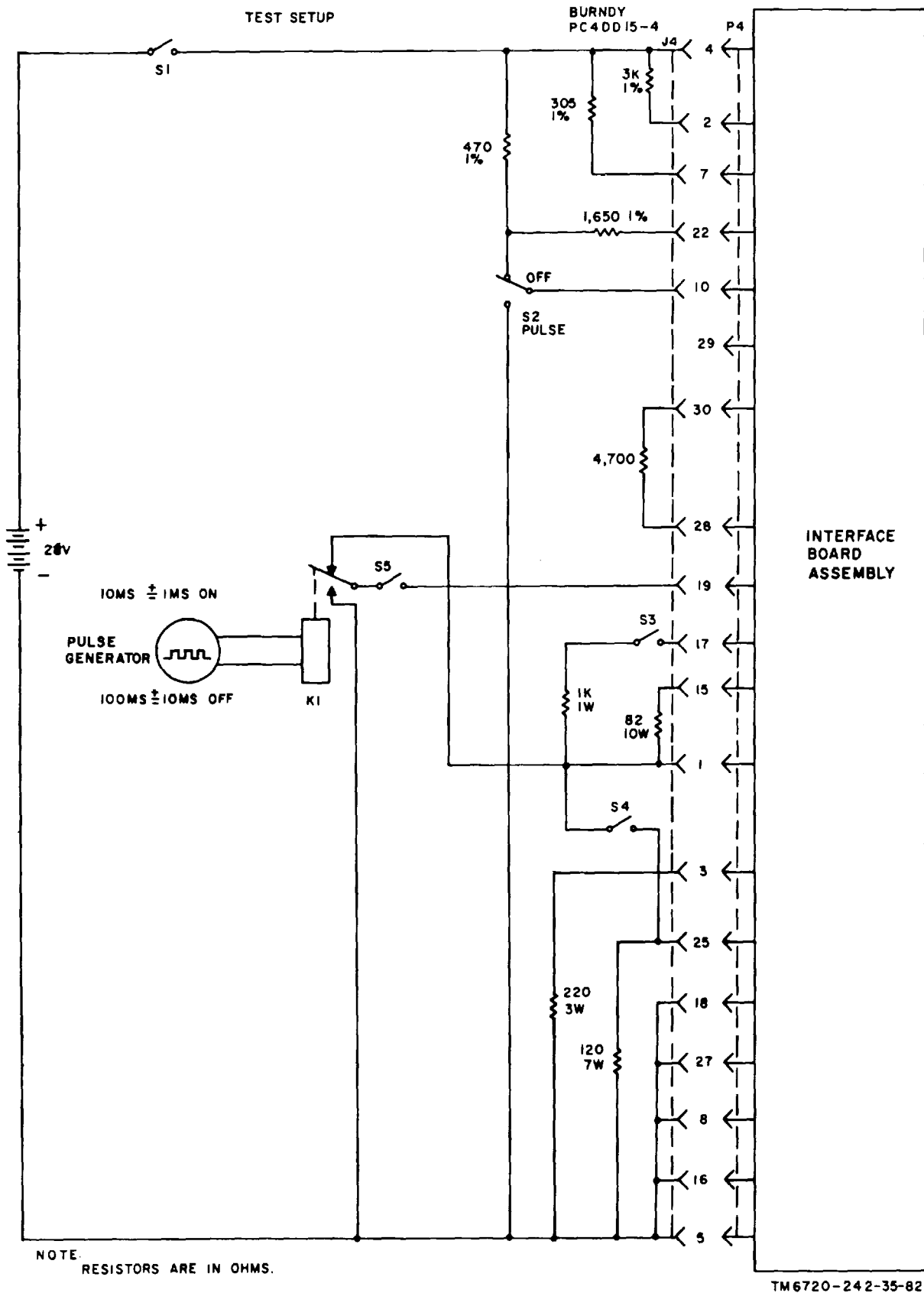
(1) Insert the interface board assembly into the connector of the special test fixture shown in figure 4-1, set test switch S1 to on to connect + 28 volts de to the + 22 volts dc regulator circuit.

(2) Connect the voltmeter across pin 1 and pin 5 and check for a reading of 21.5±2.0 volts dc. Then set test switch S3 to on and again check for a reading of 21.5+2.0 volts de.

(3) Reconnect the voltmeter to pin 15 and pin 5. With switch S3 on, check for a reading that is less than 1.5 volts. Set test switch S8 to off.

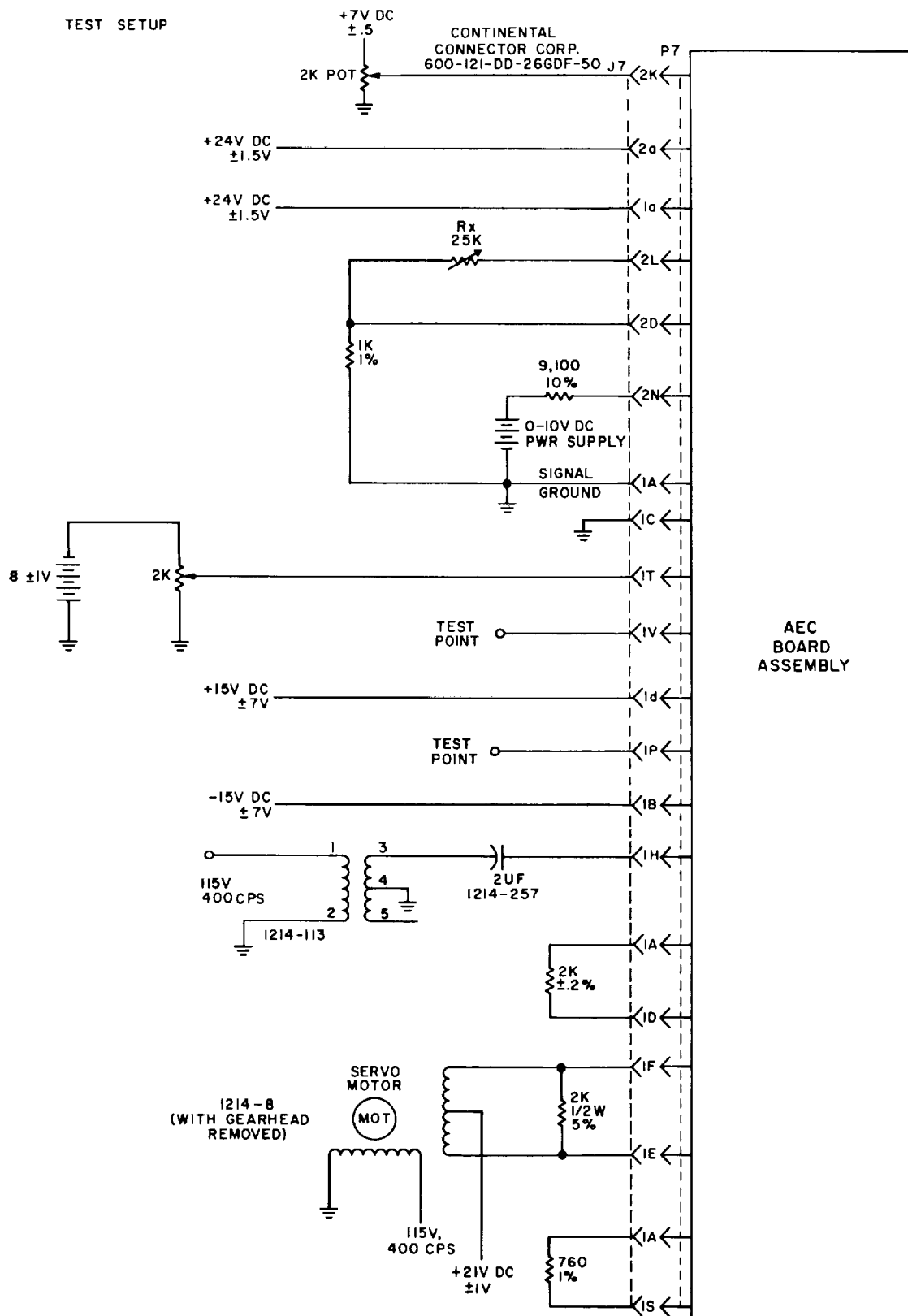
(4) With the voltmeter still connected to pin 15 and pin 56, check for a reading of 21.5±2.5 volts de.

(5) Set test switch S1 to off.



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Figure 4-1. Interface board assembly, test setup.
4-6

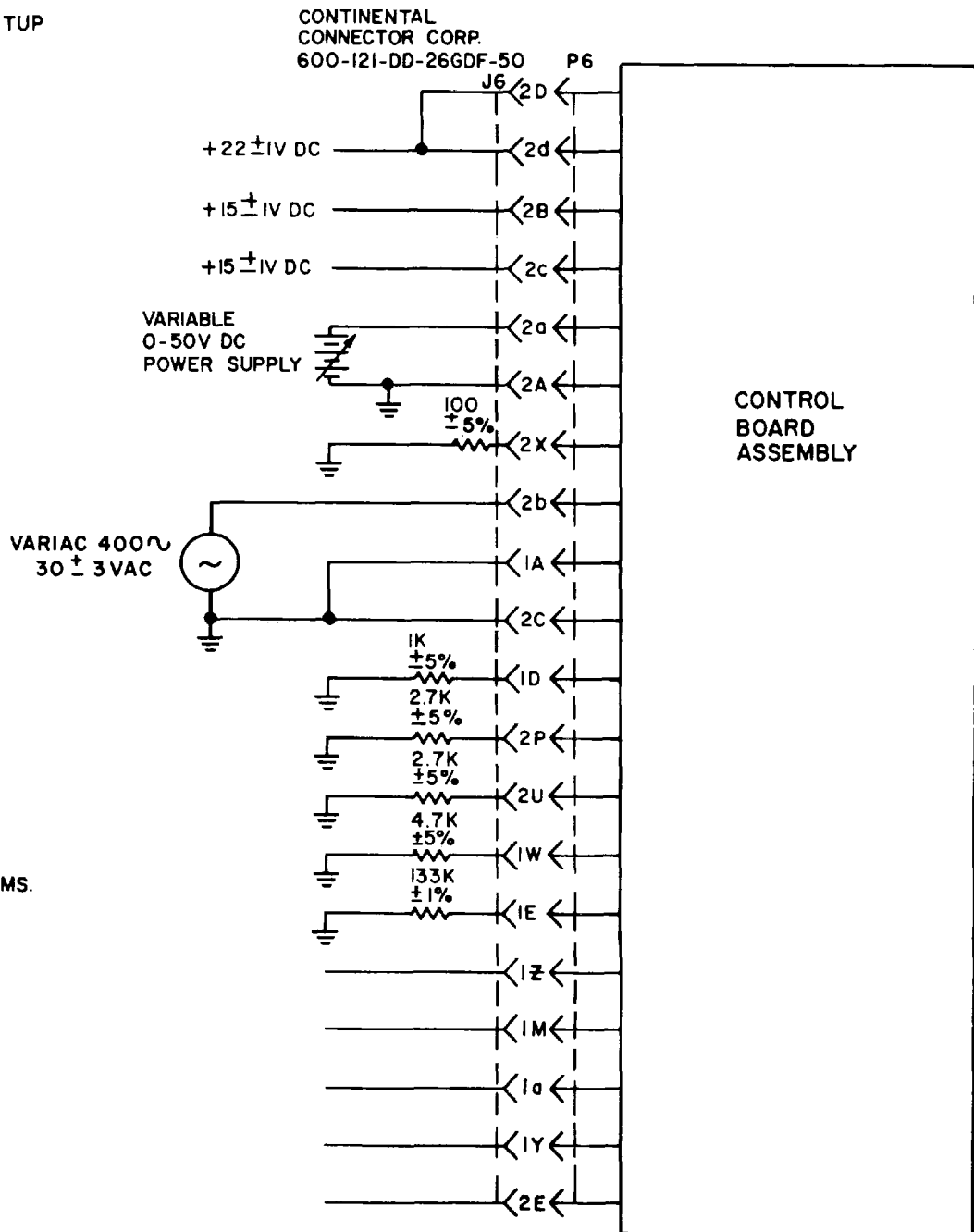


NOTE:
CAPACITORS ARE
IN MICROFARADS
RESISTORS ARE
IN OHMS

TM6720-242-35-88

Figure 4-2. Aec board assembly, test setup.

TEST SETUP



NOTE:
RESISTANCES ARE IN OHMS.

TM 6720-242-35-87

Figure 4-3. Control board assembly, test setup.

b. Testing Fail Safe Circuit. Set the test switches to the following initial positions:

- S1 to on.
- S2 to off.
- S3 to off.
- S4 to off.
- S5 to off.

(1) Connect the voltmeter across pin 25 and pin 5 and

check for a reading of 2.1 ± 0.7 volts dc.

(2) Reconnect the voltmeter across pin 3 and pin 5 and check for a reading that is less than 1.0 volt dc. Set test switch S4 to on. The voltmeter reading must remain less than 1.0 volt dc.

(3) Set test switches S1 and S4 to off.

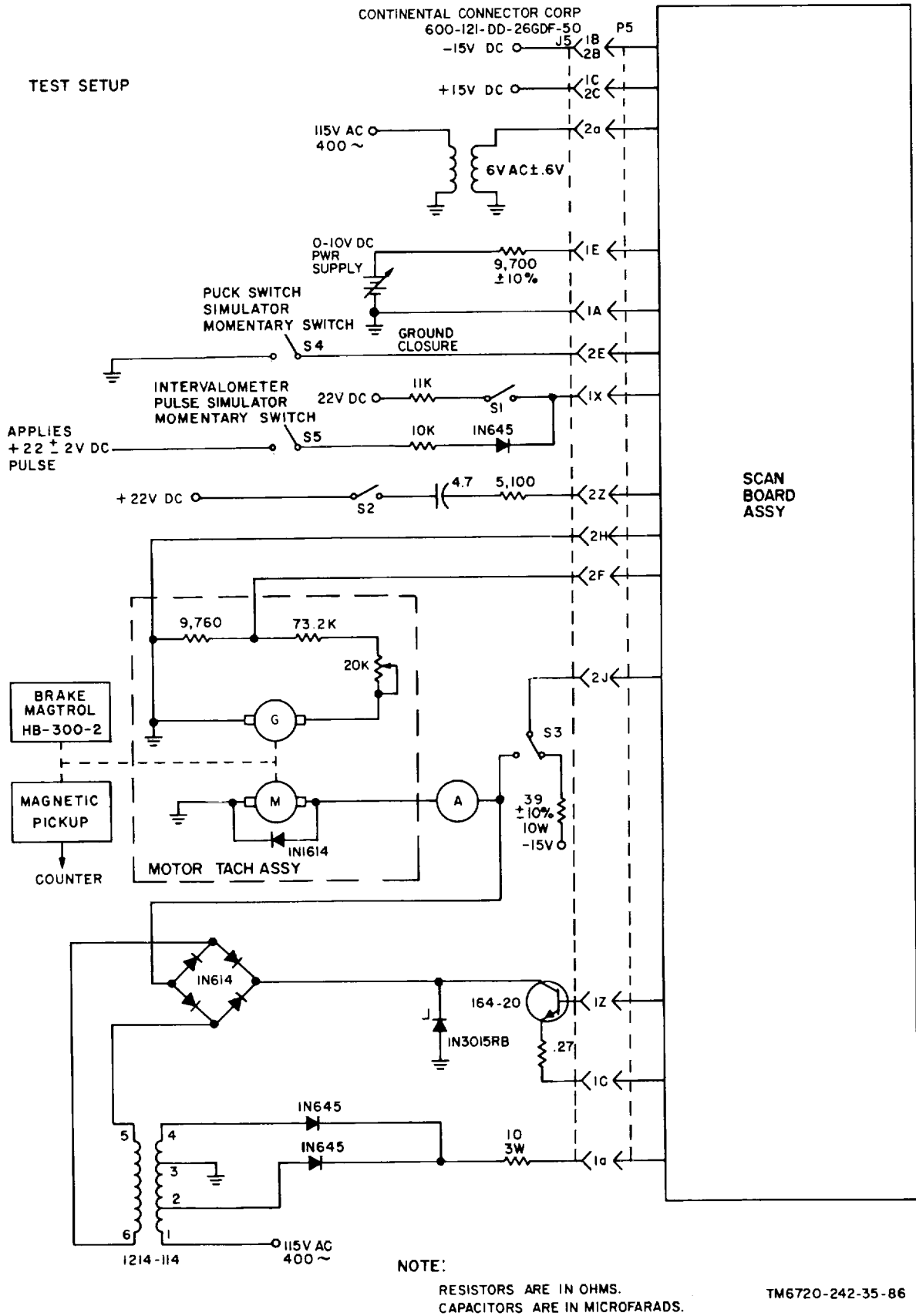
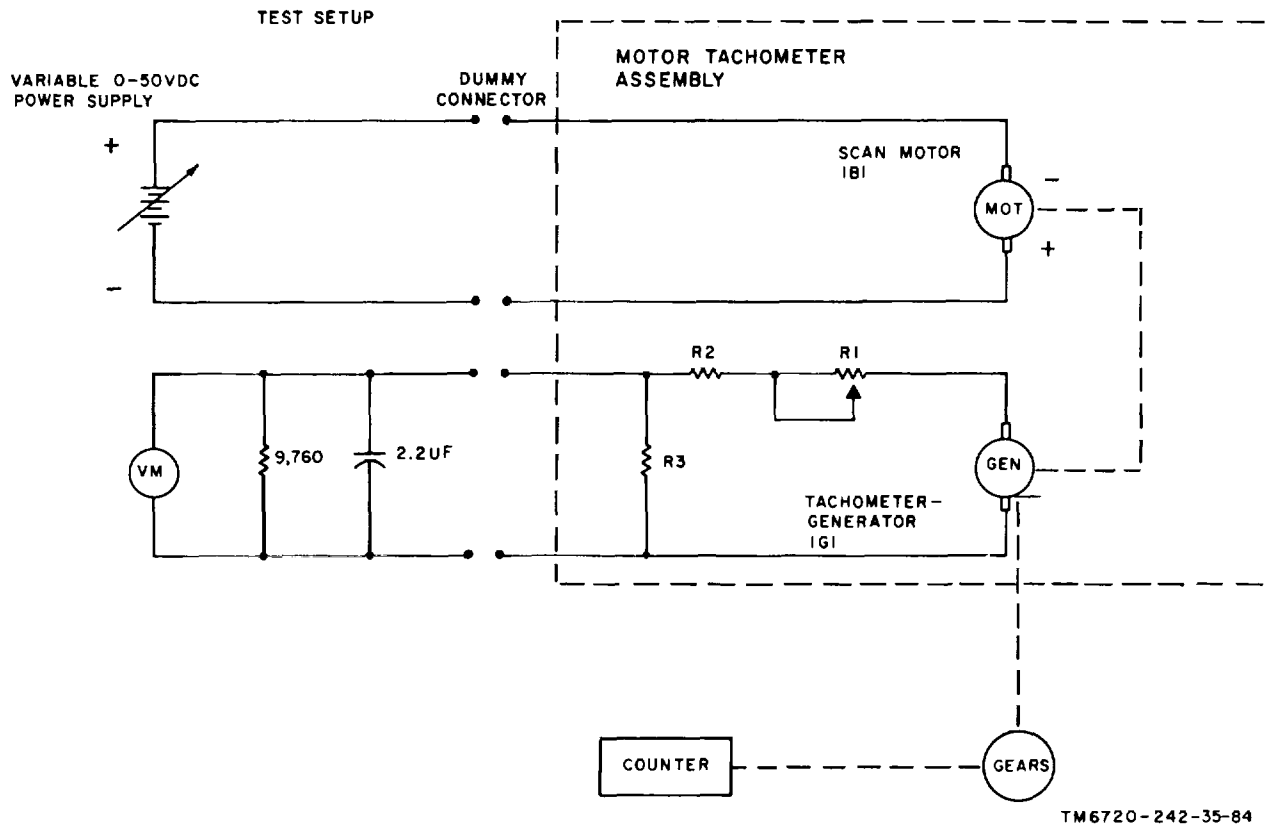


Figure 4-4. Scan board assembly, test setup.



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Figure 4-5. Tachometer-generator calibration, test setup.

c. Testing 115 VAC and 28 VDC Indicator Circuits. Set test switch S1 to on. All other test set switches to off.

- (1) Connect the voltmeter across pin 7 and pin 5 and check for a reading of 4 ± 1.0 volts dc.
- (2) Reconnect the voltmeter across pin 2 and pin 5 and check for a reading of 13.5 ± 1.5 volts dc.
- (3) Set test switch S1 to off.

d. Testing Extra Picture Circuit. Set test switch S1 to on. All other test set switches off.

- (1) Connect the voltmeter across pin 10 and pin 5 and check for a reading of 14 ± 1.5 volts dc. Disconnect the voltmeter.
- (2) Connect the oscilloscope across pin 22 and pin 5. Set test switch S2 to pulse and check the oscilloscope presentation for a waveform that conforms to that shown in figure 4-6.
- (3) Set test switch S1 to off.

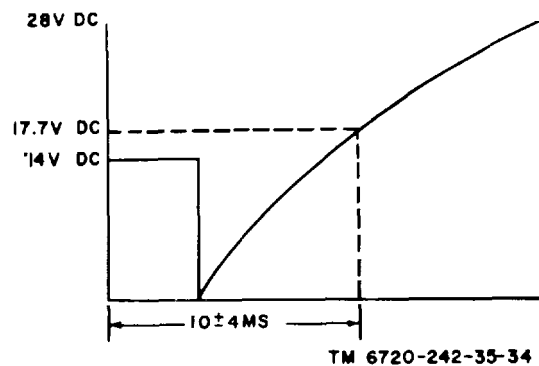
e. Testing Frames Remaining, Data Annotation, and Cycle Indicator Circuits. Set test switch S1 to on. All other test switches off. Connect the oscilloscope to pin 3 and pin 5.

- (1) Set test switch S5 to on and check the oscilloscope presentation for frames remaining and cycle indicator waveform that conforms to that shown in figure 4-7. Set S5 to off.

- (3) Set test switch S5 to on and check the oscilloscope presentation for an annotation pulse waveform that conforms to that shown in figure 4-8.

4-7. Testing AEC Board Assembly

Insert the aec board assembly in the connector of special test fixture shown in figure 4-2.



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Figure 4-6. Extra picture circuit waveform.

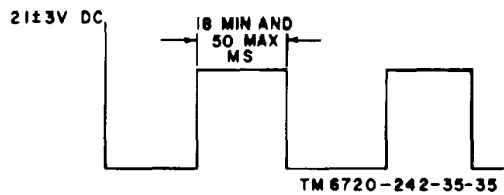


Figure 4-7. Frames remaining and cycle indicator circuit waveform.

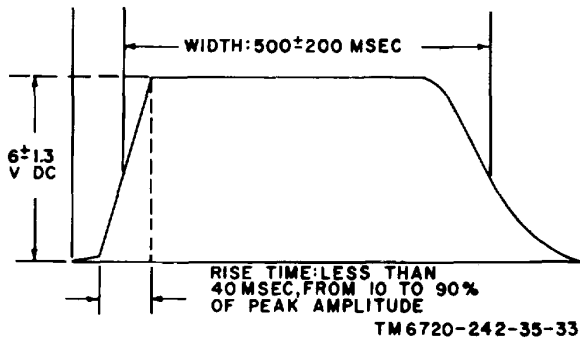


Figure 4-8. Annotation pulse waveform.

NOTE

When the designated value or condition of a test is not obtained, remove the aec board from the test fixture, then trace the malfunctioning circuit (fig. 6-15) to isolate the faulty part or assembly for replacement.

a. Reference Voltage Adjustments.

- (1) Adjust potentiometer R8 on the aec board assembly to obtain a reading of $+7.0 \pm 0.05$ volts across pins 1D and 1A.
- (2) Adjust potentiometer R21 on the aec board assembly to obtain a reading of -7.55 ± 0.05 volts across pin 1S and pin 1A.

b. Log Amplifier Calibration.

- (1) Adjust test potentiometer R. for an output of 6.3K hms, + 5 percent, measured across 2L and 2D.
- (2) Adjust the test 2K potentiometer connected to pin 1T to obtain a reading of -6.0 ± 0.1 volt across pin 1T and pin 1A.
- (3) Set potentiometers R13, R14, and R15 on the aec board assembly at the approximate center of their travel (10 turns from either travel limit).
- (4) Measure across resistor R3 for a rating of 163 ohms.
- (5) Obtain the output voltages designated in the following list for the indicated input voltages by adjusting potentiometers R13, R14, and R15, coordinately. R15

will be most effective in the adjustment of the lower output voltages, R13 of the higher voltages, and R14 of the midrange voltages. Make the adjustments as follows, and in the sequence the values are listed.

(6) Connect the voltmeter across pin 2N and pin 1A (signal ground). Adjust the test fixture power source connected to pins 2N and 1A until the given input voltage value is read on the voltmeter. Reconnect the voltmeter to pin 1P. The connection to 1A remains. Then adjust R13, R14, R15 to obtain the given output voltage value for the input voltage being applied.

Input volts pin 2N-1A	Output volts pins 1P-1A
0.4 ± 0.004	4.90 ± 0.25
0.8 ± 0.008	5.80 ± 0.25
1.2 ± 0.01	6.33 ± 0.25
1.6 ± 0.01	6.70 ± 0.25
2.0 ± 0.02	6.99 ± 0.25
3.2 ± 0.03	7.60 ± 0.25
4.8 ± 0.04	8.13 ± 0.25

c. Testing Photocell Amplifier.

- (1) Connect the voltmeter across pin 1V and pin 1A and check for a reading of 1.0 ± 0.02 volt.
- (2) Connect the voltmeter across pin 2L and pin 1A. Adjust the test potentiometer R, successively for the values in the following list and check the voltmeter for the indicated voltage readings.

R_x	Output voltage 0.2 vdc Pin 2L-Pin 1A
9.0K ohms 1%	10.0
6.3K ohms 1%	7.3
2.7K ohms 1%	3.7

d. Testing AEC Amplifier for Gain and Maximum Drive.

- (1) Connect the voltmeter across pins 2N and 1A and adjust the test fixture 0-10 vdc power supply for a reading of $+0.40 \pm 0.01$ vdc.
- (2) Adjust the test potentiometer connected to pin 1T to obtain a reading of -6.9 ± 0.1 vdc across pins 1T and 1A.
- (3) Connect the voltmeter to pins 2L and 1A and adjust the test potentiometer R. to obtain a reading of $+ 4.0 \pm 0.1$ vdc.
- (4) Connect the voltmeter across pins 1E and 1F (neither pin grounded) and adjust the voltage input to pin 2K to obtain a reading of 0 (zero) ± 0.5 volt rms. This will null the motor and cause it to stop.
- (5) Connect the voltmeter across pins 2K and 1A and check for a reading that must be $+2.0 \pm 0.7$ vdc. Record the voltage reading.

(6) Connect the voltmeter across pins 1E and 1F (neither pin grounded) and increase the voltage input across pins 2K and 1A to obtain a reading of 8 ± 0.5 volts, rms. The voltage change across pins 2K and 1A, over that recorded in step (4) shall be $+ 0.075 \pm 0.03$ vdc.

(7) With the voltmeter connected across pins 1E and 1F, increase the voltage input across pins 2K and 1A until a reading of 12 volts rms is obtained.

(8) Decrease the voltage input across pins 2K and 1A to below the value recorded in step (4) to obtain a voltmeter reading of $8+0.5$ volts, rms. The voltage change across pins 2K and 1A shall be $+0.075 \pm 0.03$ vdc below the value recorded in step (4).

(9) Decrease the voltage input across pins 2K and 1A to obtain a voltmeter reading across pins 1E and 1F of 12 volts, rms.

e. Checking Motor Speed. With the motor free to rotate, connect the voltmeter across pins 1E and 1F. Adjust the input voltage across pins 2K and 1A to obtain a meter reading of 12 volts rms. Use a strobotac to check that the motor shaft is rotating at a speed of 3000 rpm.

f. Testing Scaling Accuracy.

(1) Adjust the voltage supply connected to pin 1T for an input of $-6.0+0.006$ vdc.

(2) Connect the voltmeter to pin 1P. Adjust the power supply connected to pin 2N to obtain a reading of $+ 6.0 + 0.006$ vdc.

(3) Connect the voltmeter to pin 2L and pin 1A and adjust test potentiometer R. to obtain a meter reading of $-3.0+0.003$ vdc.

(4) Connect the voltmeter across pins 1E and 1F (neither pin grounded) and adjust the voltage input to pin 2K to obtain a null voltage (minimum) meter reading.

4-8. Testing Control Board Assembly

Insert the control board assembly into the connector of the special test fixture, shown in figure 4-3.

NOTE

When the designated value or condition of a test is not obtained, remove the control board assembly from the test fixture and trace the malfunctioning circuit in figure 6-14 to isolate the faulty part or assembly for replacement.

a. *Checking Mode Switchover Resistor R22.* The proper value of resistor R22 is selected by test from among the following listed values. If the switchover from autocycle mode has not been consistent with the v/h input, replace R22 with a resistor of different value

and perform the following procedures to check its suitability. The replacements must be repeated until the given test results are obtained. Resistors are 1/8 watt, have a tolerance of ± 1 percent, and have the following values:

- 14.3K
- 14.7K
- 15.4K
- 15.8K

(1) Connect a jumper wire between pins 2a and 1Z.
 (2) Adjust the power supply for an input of 12 ± 1 vdc across pins 2a and 2A. Connect the voltmeter across pins 2u and 1A and check for a reading of $11+2$ vdc, as an indication that the mode relay K3 is in the autocycle position (energized).

(3) Decrease the voltage at pin 2a until the 11vdc disappears from pin 2U and appears at pin 2P. This voltage at pin 2a must be between $+7.9$ and $+8.7$ vdc. If the reading is not within this range, replace R22 with a resistor of different value from among those listed until the proper voltage is achieved.

(4) Decrease the voltage at pin 2a to $+6.0 \pm 0.5$ vdc. The voltage at pin 1W shall be $+11 \pm 2$ vdc.

(5) Increase the input voltage until $+ 11$ vdc disappears from pin 2P- and appears at pin 2U. The value of the input voltage at pin 2a must be between $+8.9$ and $+ 10.2$ vdc.

(6) Compare the difference in the present input voltage to pin 2a with that recorded in step (4). The difference shall be greater than 0.8 volt but less than 2.5vdc.

(7) Remove the jumper wire between pins 2a and 1Z when the test has been completed.

b. *Intervalometer Calibration.* Resistors R34 and R35 are selected by test from among the following listed values if the tinting between intervalometer pulses has been found incorrect. Resistors R34 and R35 must be changed until the correct value is determined by performing the following procedures. Resistors are 1/8 watt and have a tolerance of ± 1 percent and have the following values:

R34	R35
22.1K	12.4K
23.2K	13.0K
24.3K	13.7K
25.5K	14.0K
26.7K	14.7K
28.0K	15.4K
29.4K	

- (1) Connect a jumper wire between pins 2a and 1Z.
- (2) Connect the oscilloscope and the electronic counter to pins 2M and 2A (ground).
- (3) Adjust the power supply for an input of $+4.6 \pm 0.01$ vdc. The time between pulses appearing on the oscilloscope must be 2 ± 0.02 seconds. If this is not the case, keep replacing the value of R35 until the timing is as specified.
- (4) Adjust the power supply for an input of $+2.017 + 0.05$ vdc. The time between pulses appearing on the oscilloscope shall be $4.26 + 0.05$ seconds. If this is not the case, keep replacing R34 until the timing is as specified
- (5) If R34 was changed in step (4), step (3) must be repeated. If R35 was changed in step (3), step (4) must be repeated.
- (6) Adjust the power supply for an input of $+7.00 \pm 0.01$ vdc.
- (7) Check that the waveform on the oscilloscope is as shown on figure 4-9.
- (8) Connect $+22 \pm 2$ vdc to pin 1a. Connect the oscilloscope to pins 2X and 2A (ground) and check that the waveform is as shown in figure 410.
- (9) If there is difficulty in meeting the conditions stipulated in steps (3) through (8), replace VR5. If type 1N752A is presently used, replace it with 1N751A or vice versa.
- (10) Remove the jumper wire from between 2a and 1Z.

c. Checking and Selecting R10. This test is performed with the values of R22, R34, and R35 as selected above still in the unit and without the jumper between pins 2A and 1Z. Resistor R10 has a tolerance of ± 1 percent, is rated at 1/8 watt and is selected from among the following:

536 K
549 K
562 K

- (1) Adjust the power supply for an input of $+7.818 + 0.05$ vdc to pins 2a and 2A (ground).
 - (2) Connect the oscilloscope and the electronic counter to pins 2M and 2A and check for a time of 4.0 ± 0.06 seconds between pulses. If this is not the case, replace R10 until the timing is as specified.
- d. Testing the V/H Scaling Circuits.*
- (1) Connect a jumper wire between pins 2a and 1Y, another jumper between pins 2a and 1Z.
 - (2) Connect $+22 \pm 2$ vdc between 1a and 2C (ground).
 - (3) Adjust the power supply for an input of $+12.0 + .003$

vdc to pins 2a and 2A (ground).

- (4) Connect the voltmeter across pins 2E and 2A and check for a reading that is between 0.535 and 0.552 vdc.
 - (5) Connect the voltmeter to pins 1E and 2A and check for the same reading.
 - (6) Remove the $+22 \pm 2$ vdc from pins 1a and 2C (ground).
 - (7) Connect the voltmeter to pins 1E and 2A and check for a reading of between 0.535 and 0.552 vdc.
 - (8) Remove the jumper between pins 2a and 1Y. With the voltmeter still connected across pins 1E and 2A, the reading shall be between $+0.1528$ and $+0.1582$ vdc.
 - (9) Remove the jumper from pins 2a and 1Z.
- e. Checking and Selecting R15.* The proper value of resistor R15 is selected by test from among the following listed values. They have a tolerance of $+ 1$ percent and are rated at 1/8 watt.

97.6	107
100	110
102	113
105	

- (1) Connect $+22 \pm 2$ vdc across pins 1a and 2C (ground).
- (2) Adjust the power supply for an input of $+4.0 \pm 0.1$ vdc across pins 2a and 2A.
- (3) Connect the voltmeter across pins 1E and 2A and check for a reading of $+0.800 \pm 0.016$ vdc. Connect the voltmeter across pins 2E and 2A and check again for the same reading.
- (4) If a reading of $+0.800 \pm 0.016$ vdc is not obtained in step (3), substitute R15 with resistors from the above list. With each substitution, repeat the test until the specified voltage is obtained.
- (5) Disconnect $+22 \pm 2$ vdc across pins 1a and 2C.
- (6) Connect the voltmeter across pins 1E and 2A and check for a reading of $+0.800 + 0.016$ vdc. Connect the voltmeter across pins 2E and 2A and check for the same voltage.

f. Checking IMC Signal.

- (1) Connect a jumper wire between 2a and 1Z.
- (2) Adjust the power supply for an input of $+12 \pm 1$ vdc across pins 2a and 2A (ground).
- (3) Apply $+22 \pm 2$ vdc between pins 1a and 2iC (ground).
- (4) Connect the voltmeter across pins 1D and 2C and check for a reading of $+11 \pm 2$ vdc.
- (5) Remove the $+22$ vdc from pins 1a and 2C The voltmeter reading at pin 1D should now be zero volts (open circuit).

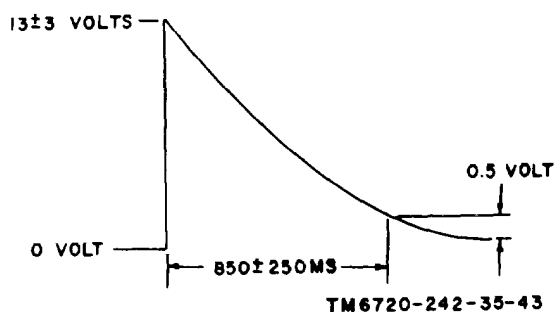


Figure 4-9. Intervalometer waveform at pin 2U.

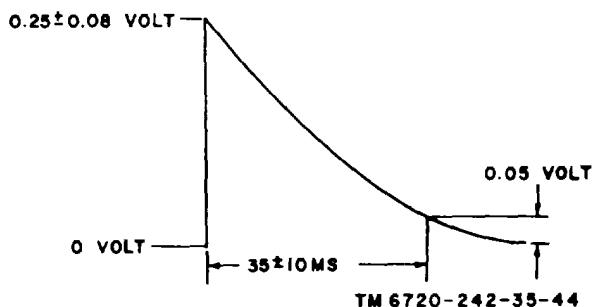


Figure 4-10. Intervalometer waveform at pin 2X.

4-9. Testing Scan Board Assembly

Insert the scan board assembly into the connector of the test fixture shown in figure 4-4.

NOTE

When the designated value or condition of a test is not obtained, remove the scan board assembly from the test fixture and trace the malfunctioning circuit is figure 6-16 to isolate the faulty part or assembly for replacement.

a. *Preliminary Procedure.* Set scan board assembly potentiometer R20, 20 turns counterclockwise before the power is connected, Set test switch S1 to on.

b. *Balance Adjust.*

(1) Adjust the power supply for an input of 0.8+0.01 volt dc across pin 1E and pin 2H (signal ground)

(2) Place test switch S3 to connect the motor tachometer assembly to 2J.

(3) Adjust the test set motor-tachometer brake arrangement to obtain a motor load current reading on the test ammeter of 0.33+0.06 amperes.

(4) Connect the oscilloscope to pins 1Z and 1C (ground). Adjust the scan board assembly potentiometer R25 to obtain the same waveform pulse width as shown in figure 4-11.

c. *Gain Adjust.*

- (1) Adjust the power supply for an input of 0.40 ± 0.004 volt dc across pins 1E and 2H (signal ground)
- (2) Adjust the motor load for a reading of $0.24 + 0.02$ amperes on the ammeter. Check the counter for a motor speed of 1000 ± 40 rpm.
- (3) Increase the motor load for a reading of 0.56 ± 0.04 ampere.
- (4) Adjust the scan board assembly potentiometer R22 so that the change in speed for the change in motor load (step (3) above) is $22 + 4$ rpm.
- (5) Connect the oscilloscope to pins 1M and 2 (signal ground). With the motor load at 0.24 ± 0.02 ampere, the voltage of the oscilloscope display should go negative.

d. Linearity Test.

- (1) Adjust the power supply for an input of 0.40 ± 0.004 volt across pins 1E and 2H (signal ground). Then adjust the motor load for a reading of $0.24 + 0.02$ ampere.
- (2) Maintain the motor load torque set in step (1) above and perform the linearity checks of the following list. Adjust the power supply successively for the input voltages listed and then check the motor speed for the rpm indicated for each voltage input.

Input voltage Pit 1E-Pin 1H	Motor speed (rpm)	
	Min.	Max
0.400 ± 0.001	970	1,030
0.800 ± 0.002	1,940	2,060
1.600 ± 0.004	3,880	4,120
3.200 ± 0.008	7,680	8,240
4.800 ± 0.012	11,640	12,360

(3) If there is a variation in the linearity at low speeds (input voltages of 0.400 and 0.800 volt) replace resistor R33 with one just above or below the 33 K ohm value until the indicated motor speeds are obtained.

e. *Dynamic Brake Transistor Test.* Connect pin 2E to ground. Set test switch S2 so it will connect -15 vdc to pin 2J. Connect the voltmeter across pin 2J and pin 1C and check for a reading that is between zero and -3.2 vdc.

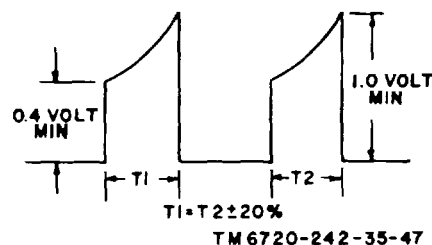


Figure 4-11. Pulse width balance waveform.

(2) Adjust the power supply for an input of $+0.40 \pm 0.08$ vdc across pins 1E and 2H (ground).

The scan motor will not rotate.

(3) Simulate the intervalometer pulse by quickly turning the momentary switch S5 on and off for a single $+22 + 2$ vdc pulse. Check the counter for a motor speed of 1000 ± 180 rpm.

(4) Simulate the puck switch pulse by turning the momentary switch S4 on and off. The scan motor must stop.

(5) Set test switch S1 to the on position. The scan motor will rotate at 1000 ± 180 rpm.

(6) Hold momentary switch S4 in the on position. The scan motor must continue to run at $1000 + 180$ rpm.

(7) Set test switch S1 to the off position. The scan motor must stop. Release the momentary switch S4.

(8) Close test switch S2 momentarily. The rotation of the motor at the 1000 ± 180 rpm speed will indicate that scan control relay K1 operated.

4-10. Testing Tachometer-Generator Calibration

a. Connect the scan motor and tachometer-generator assembly to the test setup as shown in figure 4-5.

NOTE

When the designated value or condition of a test is not obtained, replace the malfunctioning component.

b. Adjust the power supply connected to the scan motor

leads to obtain a reading of 1000 rpm on the counter. Approximately 4.5 vdc will be needed.

c. Adjust potentiometer R1, located on the printed circuit board mounted at the end of the tachometer, to obtain an initial reading of $+0.560 + 0.001$ vdc measured across the 9760-ohm resistor. The final reading permits a tolerance of 0.006 vdc.

d. Increase the voltage to obtain a reading of 5000 rpm on the counter. Check the voltmeter for a reading of $+2.80 \pm 0.03$ vdc. Readjust potentiometer R1 to correct any variation in the reading.

e. Increase the voltage to obtain a reading of 8000 rpm on the counter. Check the voltmeter for a reading of $+4.48 \pm 0.05$ vdc. Readjust potentiometer R1 to correct any variation in the reading. Then repeat steps b and c above.

f. Increase the voltage to obtain a reading of 12,000 rpm on the counter. Check the voltmeter for a reading of $+6.72 \pm 0.07$ vdc. Readjust potentiometer R1 to correct any variation in the reading. Then repeat steps c, d, and e above.

g. When all calibration values of the tachometer have been met, seal the potentiometer R1 adjustment screw with glyptal.

Section II. REPAIRS AND ALINEMENTS

4-11. General

The procedures of this section include the removal, disassembly, reassembly, and installation procedures of the assemblies and parts which are serviced at the general support level of maintenance. Alinement procedures are a part of reassembly and installation and are included with the instructions of these procedures.

4-12. General Parts Replacement Techniques

The techniques and procedures contained in paragraph 3-7 are applicable for repairs and alinements at the general support level of maintenance. There are no other special instructions for general support maintenance.

4-13. Considerations Before Disassembly

The practices pertaining to removal and disassembly procedures are contained in paragraph 3-8. These practices are applicable at the general support level of maintenance.

4-14. Repair and Alinement of Body Drive, Aircraft Camera LA-41 A Components

Procedures for repairing and alining camera body assemblies and parts by general support personnel are contained in paragraphs 4-14 through 4-37.

4-15. Repair and Alinement of AEC Assembly

The aec assembly is an integrated component of the camera body. Procedures for the repair and alinement of the aec assembly by general support personnel are contained in paragraphs 416 through 4-28.

4-16. Removal and Replacement of Focal Plane Plate

(fig. 3-3(1))

a. Removal. Remove four screws (2) securing focal plate (1) to the housing (129). Remove two locating pins (3) from housing (129).

b. Replacement.

(1) When installed, the focal plane plate (1) must conform to the following precise dimensions with relation to the shutter blade.

(a) With shutter blade (121) (fig. 3-3 (4)) closed to the limit of its mechanical stop and the phasing hole in housing (129) concentric within 0.001 inch with the phasing hole in the cam of cam-shaft assembly (82) (fig. 3-3 (3)), check the following dimensions: (b) The edge of the shutter blade (121) must be parallel with the focal plane slit within 0.0005 inch. The clearance between the ends of the shutter blade and focal plane slit must be a minimum of 0.001 inch. The minimum opening must be $0.020 + 0.001$ inch.

(2) Position the focal plane plate (1) (fig 33 (1)) on housing (129) and adjust for the dimensions stipulated in (1) (b) above (3) Secure with the four screws (2).

4-17. Removal and Disassembly of Cam Follower Arm (IMC)

(fig. 33 (1))

a. Removal.

(1) Remove the aec assembly from the camera body (para 3-9).

(2) Remove the shoulder screw (16) securing the cam follower arm (15) to the carriage assembly (4).

(3) Remove the spring (19).

b. Disassembly. Remove the retaining ring (20), bearings (18), and cam follower (17) from the cam follower arm (15).

4-18. Reassembly and Installation of Cam Follower Arm

a. Reassembly. Replace the cam follower arm (15) and reassemble the parts in reverse of the disassembly procedures (b above).

b. Installation. Position the cam follower arm (15) and the assembled parts on the carriage assembly (4) and secure with a replacement shoulder screw (16).

4-19. Removal and Disassembly of the Carriage Assembly Components

(fig. 34 (1))

a. Removal.

(1) Remove the setscrew (6) securing the shaft of the shaft and bushing assembly (5) to housing (129). Remove the shaft. The two bushings will remain in the carriage.

(2) Remove the two setscrews (8) securing the shaft (7) in the carriage (4). Remove the shaft (7) with care to prevent damaging the lens assembly (9).

b. Disassembly.

(1) Remove the cam follower arm (para 417).

(2) Remove the retainer ring (31) and spacers (32-34) from the shaft of the pivot plate assembly (25). Restrain the spring (26) and withdraw the shaft of the pivot plate assembly (25) from the carriage (4). Withdraw the upper and lower diaphragm blades (23 and 24) from the diaphragm blade guide (21).

(3) Remove the three screws (22) securing the diaphragm blade guide (21) to the carriage (4).

(4) Remove the four screws (10) securing the lens assembly (9) to the carriage (4). Remove the lens assembly (9) and the shims (1114).

4-20. Reassembly and Installation of Carriage Assembly

(fig. 3-3 (1))

a. Reassembly.

(1) The distance from the top surface of the focal plate (1) to the surface of the lens mounting flange (9), which mates with the carriage assembly (4), must be held to 2.875 ± 0.001 inches with the lens assembly mounted in the carriage assembly (4). Use the shims (11-14) to establish this measurement, then secure the lens assembly with the four screws (10).

(2) Coat about three-sixteenths inch of the top and bottom outer surfaces of the both dial phragm blades with solid film lubricant.

(3) Insert the lower diaphragm blade (24) first and the upper diaphragm blade (23) next in the diaphragm blade guide (21). Secure the blade guide to the carriage (4) with the three screws (22).

(4) Insert the shaft of the pivot plate assembly (25) through the spring (26), and on through the hole in the diaphragm blade guide (21) and the hole in the carriage assembly (4). The two

pins in the pivot plate assembly (25) must extend through the respective slots in the upper and lower diaphragm blades (22 and 24).

(5) Insert the required number of the spacers (32-34) over the end of the pivot plate shaft (25) which extends below the carriage, to limit the end play from 0.001 to 0.003 inch. Secure the assembly in place with the retaining ring (31). Check the rotation of the pivot plate shaft (25) for freedom of movement.

(6) Engage the straight end of the spring (26) with the pin that is inserted in the lower diaphragm blade (24). Rotate the spring and insert the looped end under the screw (22). Tighten the three screws (22) to secure the diaphragm blade guide (21) in place.

(7) Reassemble the cam follower arm (para 4-17).

b. Installation. Installation of the carriage assembly is a reversal of the removal procedures described in a above.

4-21. Removal and Replacement of Upper and Lower Diaphragm Blades

Refer to paragraph 4-19 for the removal and replacement procedures of the upper or lower diaphragm blades.

4-22. Removal and Replacement of Optical Lens Assembly

Refer to paragraphs 4-19 and 4-20 for the removal and replacement procedures of the optical lens assembly.

4-23. Removal and Replacement of the Carriage Assembly

Refer to paragraph 4-19 for the removal and replacement procedures of the carriage assembly.

4-24. Removal and Replacement of Sensitive (End of Film) Switch, Switch Actuator, and Switch Bracket (fig. 3-3 (3))

a. Removal.

(1) Remove the two screws (85) securing the plate (86), switch (84), actuator (87), and nut plate (88) to the bracket (89).

(2) Remove the screws (90) securing the bracket assembly (89) to the housing (129).

(3) Remove the pin (96) and the retaining ring (93) to disassemble the actuator (91) from the bracket (89).

b. Replacement and Installation.

(1) Replace and reassemble the switch actuator (91) in the bracket (89) in the reverse order of the disassembly procedures ((3) above).

(2) Then attach the bracket (89) to the housing (129) and install the switch (84) and the switch actuator (87).

(3) Refer to paragraph 3-10 and adjust the switch installation as described in the procedures.

4-25. Removal and Replacement of Capping Link and Capping Blade

(fig. 3-3 (4))

a. Removal.

(1) Release the spring (107) from the capping link (103) and the housing (129).

(2) Remove the retaining ring (104), spacer (105).

(3) Remove two screws (109) securing the capping link trunnion (108) to the housing (129). Withdraw the trunnion shaft from the spring (107), capping link (103), and the shim (105).

(4) Remove the retaining ring (112) and the spacers (113 and 114) from the shaft of the capping blade (122). The capping blade can then be withdrawn from the shutter blade trunnion (116).

b. Replacement. Install a capping link (103) and capping blade (122) in the reverse sequence of the removal procedures.

4-26. Removal and Replacement of Shutter Blade

(fig. 3-3 (4))

a. Removal.

(1) Unhook the spring (120) from the shutter blade (121). Remove the two screws (117) securing the shutter blade trunnion (116) to the housing (129).

(2) Remove the retaining ring (112) and the spacers (113 and 114) from the capping blade shaft (122) extending through the shutter trunnion (116). Remove the capping blade (122).

(3) Remove the shutter trunnion (116). The diaphragm link (118) and shutter blade (121) will now be free for removal.

b. Replacement. Install a shutter blade (121) in the reverse sequence of the removal procedures.

4-27. Removal and Replacement of Lens-Mirror Assembly and Recording Head Assembly

(fig. 3-3 (2))

a. Removal.

(1) Remove the cable clamps and the recording head assembly (para 3-15).

(2) Remove the two screws (50) securing the lens-mirror assembly (49) to the housing (129). Remove the lens-mirror assembly (49) and the shims (51 through 54).

b. Replacement.

(1) Install a lens-mirror assembly (49) in the reverse sequence of the removal procedures (a above) and align the position of the lens-mirror assembly as described in (2) below.

(2) Use the shims (51 through 54), as required to align the circular mounting hole in the lens-mirror assembly (49) into which the recording head assembly is inserted, with the circular hole of the housing which similarly supports the opposite end of the crt. Measured vertically, the center of the housing opening and the center of the lens-mirror assembly opening must not vary more than 0.007 inch.

(3) Install the rha assembly and the holding and cable clamps as described in paragraph 3-15.

4-28. Removal and Replacement of Cam Shaft Assembly

(fig. 33)

a. Removal.

(1) Remove the capping blade (para 4-25) and the shutter blade (para 4-26).

(2) Remove the screw (56), saddle washer (57) and the cable clamp (58).

(3) Release the three screws (74) and rotate the clamps (73) out of the slot in the potentiometer (72).

(4) Open the coils of the coupling spring (75) by rotating both ends toward each other and withdrawing the potentiometer shaft from the spring coupling.

(5) Remove the two screws (65) securing the cam stop (64) to the housing (129).

(6) Remove the pin (83) securing the cam and gear assembly (82) to the cam shaft (81).

(7) Remove the two retaining rings (76).

One is located on the outer end of the cam shaft (81) and the other, with the spacers (77-79) and the ball bearing (80), inside the housing (129).

(8) Slide out the cam shaft (81) through the cam and gear assembly (82).

b. Replacement.

(1) Replacement of a cam-shaft assembly is essentially the reverse of the removal procedure described in a above and in conjunction with the following procedures for calibrating the aec feedback potentiometer (72) and setting the mechanical stop.

(2) When the replacement cam-shaft assembly has been installed, the stop pin (83) must be in contact with cam stop (64) when the phasing hole in the housing (129) is concentric within 0.001 inch with the phasing hole in the cam and gear assembly (82) (fig. 4-12).

(3) The calibration of the installed aec feedback potentiometer (72) is the final step of the replacement procedures and it is performed as described below.

(a) Procure an electrical connector MS18177 (1J3) which will mate with the aec harness connector 1J3 (68).

(b) Connect the required power sources and test switches to the leads from test connector 1J3, as shown in figure 4-13.

(c) Install an index pin between the motor 'gear (47) and the gear of the cam and gear assembly (82).

(d) Apply 7.0 ± 0.05 volts dc across pins C and D (ground) and connect a dc voltmeter to pins B and D.

(e) Then rotate the potentiometer shaft to obtain a reading of 1.04 ± 0.02 volts on the voltmeter. Remove the index pin.

(f) Using an optical comparator for measurement, manually adjust the width of the slit opening successively to the values listed below by rotating the gear of the cam and gear assembly (82). Check for the voltages indicated by connecting the voltmeter across pins B and D (ground).

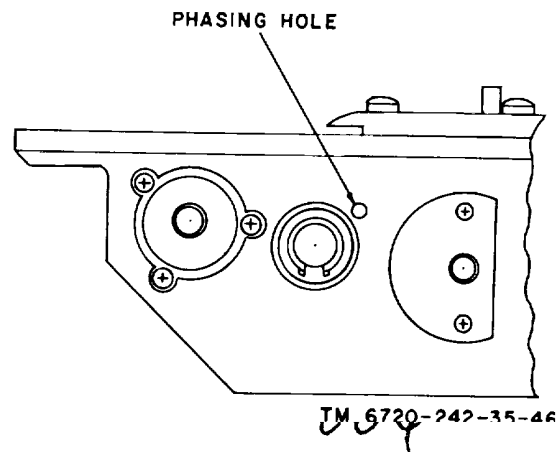
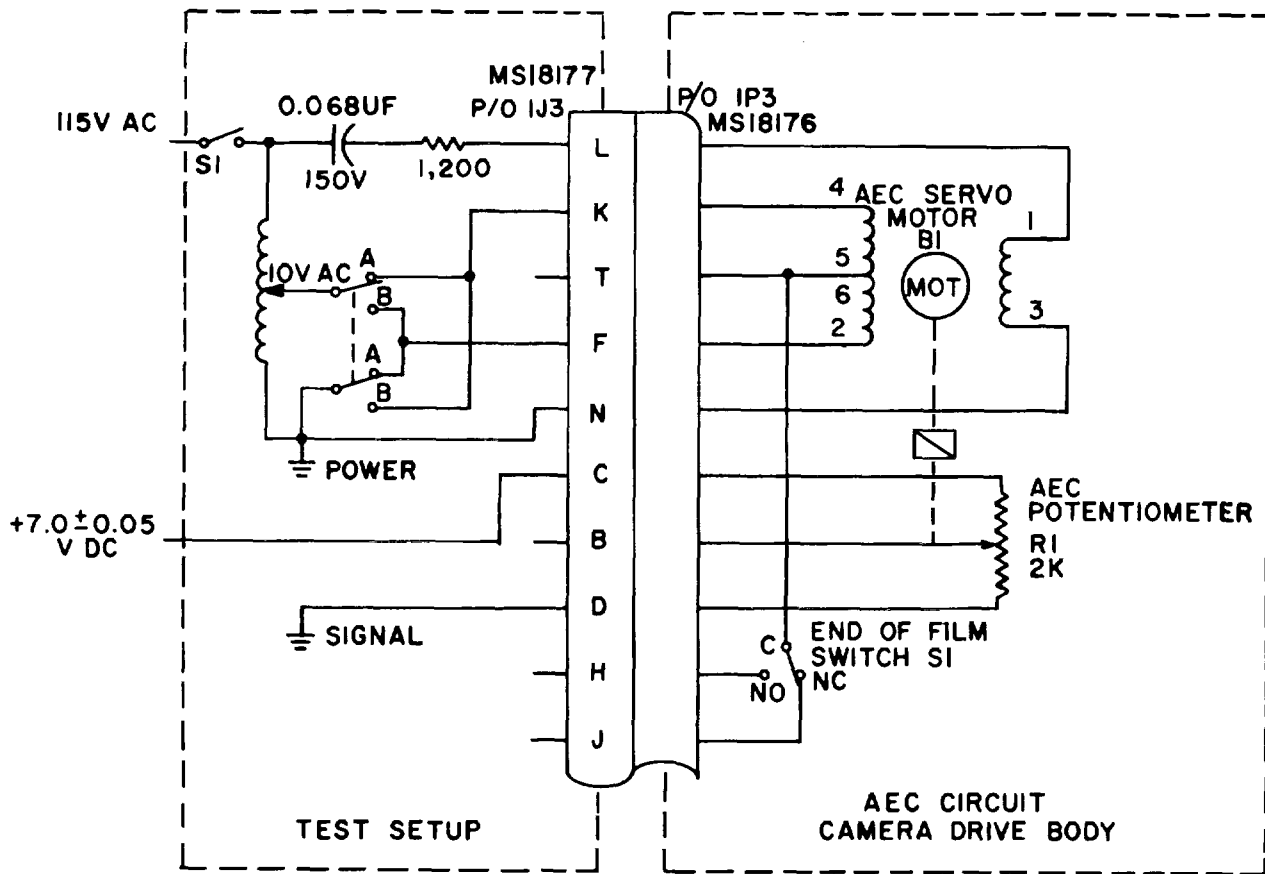


Figure 4-12. Location of camera body phasing hole.



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Figure 4-13. Aec alinement and calibration tests.

Slit width (in.)	Dc voltage
0.100 ± 0.004	6.00 ± 0.05
0.050 ± 0.002	5.40 ± 0.04

4-29. Removal and Replacement of Sensitive (Puck) Switch Actuator Adapter
(fig. 3-4 (2))

a. Removal.

- (1) Remove the two screws (40) securing the switch bracket (39) and the cable clamp (42).
- (2) Remove the screw (46) securing the sensitive switch actuator (45) to the bracket (39).

b. Replacement. Secure the sensitive switch actuator (45) to the bracket (39) with the screw (46) and perform the alinement procedures described in paragraph 3-11.

4-30. Removal and Disassembly of the Assembled Scan Motor, Gears, and Tachometer-Generator
(fig. 3-4 (2))

a. Removal.

- (1) Remove one screw (27) and two screws (28) securing the assembled motor, gears, and the tachometer-generator (26).

(2) Tag and disconnect the four wires connected to terminal board TB1 (139).

b. Disassembly (fig. 3-7).

- (1) Remove two screws (2) securing the mounting support (1) to the mounting plate (12). Disengage the mounting support (1) from the two pins (23) in the mounting plate (12).

(2) Withdraw the gear assembly (5) from the mounting support (1) with care.

(3) Tag and unsolder the two wires from the diode (17) and remove the diode.

(4) Remove the shaft clamp (11) securing the gear (10) to the shaft of the tachometer generator (14).

(5) Remove the three screws (15) securing the tachometer-generator (14) to the mounting plate (12).

(6) Remove the three screws (13) securing the scan motor (16) to the mounting plate (12).

(7) Remove the pin (9) securing the gear cluster (8) to the shaft of the scan motor (16). 19

c. *Reassembly* (fig. 3-7). Reassembly of the scan motor, gears, and tachometer-generator is the reverse of the disassembly procedures (b above).

d. *Installation*. Install the assembled components in the reverse order of the removal procedures (a above).

4-31. Removal and Replacement of Electrical Cap, Brush Retainer and Carbon Brush
(fig. 4-14)

- a. Remove the scan motor and gear assembly as described in paragraph 4-30.
- b. Removal and replacement of the electrical cap, brush retainer, and carbon brush are obvious.

4-32. Removal and Replacement of the Puck and the Cam and Gear Shaft Assembly
(fig. 3-4 (3))

a. Removal.

- (1) Remove two screws (66) securing the cover (65).
- (2) Remove two screws (62) securing the puck (61) to the adapter (76).
- (3) Slide the puck (61) to one side and remove the pin (77) securing the adapter (76) to the shaft (78).
- (4) Remove the retaining ring (64) and the shim (63).
- (5) Pull the shaft (78) of the cam gear shaft assembly (60) from the housing (198) removing the bearing (69) in the procedure. The puck (61), adapter (76), cam and gear assembly (60), and bearing (59) can be removed - as the shaft (78) is withdrawn.

b. *Disassembly*.

- (1) Remove the locating pin (73) and remove the three screws (72) securing the control cam (71) to the capping cam (75).
- (2) Remove the pin (74) securing the spur gear (70) to the control cam (71).

4-33. Reassembly and Installation of the Puck and Cam and Gear Shaft Assembly
(fig. 3-4 (3))

a. *Reassembly*. Reassembly of the cam and gear shaft assembly is a reversal of the disassembly procedures of paragraph 4-32b above.

b. *Installations*

- (1) The installation of the puck (61) and the cam and gear shaft assembly (60) is a reversal of the removal procedures (a above) and conformity with the following special procedures described below.

- (2) With the bearings (59) installed, assemble the cam and gear shaft assembly (60) and the puck (61) in the camera body. Drive the pin (77) tight when attaching the adapter (76) to the shaft (78).

- (3) Aline the phasing hole in the camera body with the phasing hole in the cam and gear shaft assembly (60), and insert an alinement pin.

- (4) Aline the gear tooth of the sprocket wheel (85) indicated by the scribed lines so that it meshes with the helical gear (56) of the cam and gear shaft assembly (60) at the point indicated on the gear (56).

- (5) The red dot on the sprocket of the sprocket wheel and the cam shaft (85) must be positioned so that the adjacent white line on the cam (87) is in line with the actuator of the puck switch, as shown in figure 3-6. The red line on the sprocket of helical gear and sprocket assembly (93, fig. 3-4 (4)) must be in a position that is coincident with the meshing of the helical gear and the cluster gear and spur gear assembly (136, fig. 3-4 (5)) scribe lines. Attach belt (79) and covers (80 and 82).

- (6) Secure the puck (61) to the adapter (76) with two screws (62). Coat the screw threads with glyptal adhesive.

- (7) Attach the retaining ring (64) to the shaft (78) and check for a shaft end play between 0.0002 and 0.0022 inch under a reversing axial load of 3.50+0.25 pounds. Add the shims (63) as required to adjust the end play.

4-34. Removal and Replacement of IMC Shaft Assembly
(fig. 3-4 (4))

a. *Removal*.

- (1) Remove the two screws (103) and the two screws (101) securing the support pad to the bracket (102).

- (2) Remove the retaining ring (146) and the bearing (147) through one of the three access holes in the cluster gear and spur gear assembly (136).

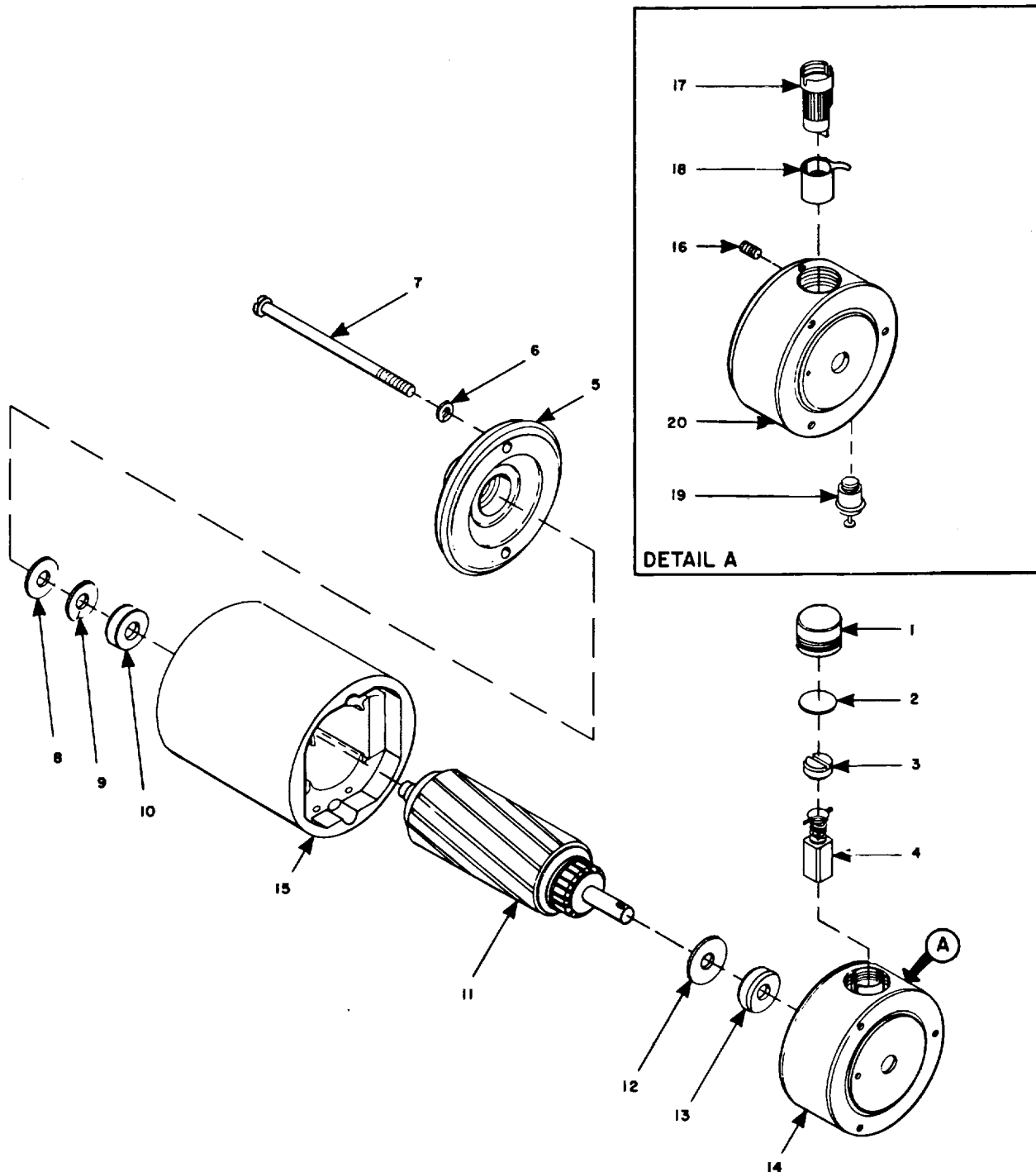
- (3) Remove the retaining ring (165), shim (164), and the spring washer (163). Remove the retaining ring (148).

- (4) Lift the imc shaft assembly (144) out of the camera housing (198).

b. *Replacement*.

- (1) Installation of the imc shaft assembly (144) is a reversal of the removing procedures of a above and conformity to the special instructions described below.

- (2) When installing the imc shaft assembly (144) in the camera body, make certain that the



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- | | | |
|-------------------------------|------------------------------|-----------------------------|
| 1 Cap (MP236-237) | 8 Shim (MP255) | 15 Housing assembly (MP249) |
| 2 Insulator disk, (MP250-251) | 9 Spring washer (MP256) | 16 Set screw (H160-161) |
| 3 Brush retainer (MP252-253) | 10 Bearing (MP232) | 17 Holder (MPZ45-246) |
| 4 Brush (MP234-235) | 11 Armature assembly (MP217) | 18 Jacket (MP247-248) |
| 5 End bell (MP238) | 12 Shield (MP254) | 19 Terminal (EI-E2) |
| 6 Washer (H158-159) | 13 Bearing (MP233) | 20 End ball (MP240) |
| 7 Screw (H156-157) | 14 End ball assembly (MP239) | |

Figure 4-14. Scan motor, exploded view.

pin (195), protruding 0.16-0.01 inch above the bottom of the housing (198), is seated in the slot of the drag brake (157) and the solenoid liner (173) is seated in the slot of the coupling (155).

(3) Apply a thin coat of molybdenum disulfide lubricant to the contacting surfaces of the spur gear (150) and the shoulder of the shaft (169).

(4) Shim between the spur gear (150) and the ball bearing (147) for an end play between 0 and 0.0002 inch. The distance between the outer face of the spur gear (150) and the flange of the housing (197) should be 1.594 inch.

(5) Insert the spring washer (163) and a shim (164) that will compress the height of the spring washer between 0.010 and 0.015 inch, and the retaining ring (165).

(6) With the solenoid (166) and the solenoid lever (173) installed, the gap between the coupling pin (156) and the face of the spur gear (150) must be 0.012-0.002 inch.

4-35. Removal and Replacement of Solenoid Assembly and Lever Assembly (fig. 3-4 (6))

a. Removal.

(1) Remove the retaining ring (174) and the helical tension spring (176).

(2) Remove the two screws (178) securing; the trunnion(177). Withdraw the trunnion and remove the lever.

b. Replacement.

(1) The replacement of the solenoid assembly and the lever assembly is a reversal of the removal procedures of a above and the special instructions described below.

(2) Shim as required under the retaining ring (174) to obtain an end play of 0.001 to 0.003 inch.

(3) Loosen the nut (197) inside the housing and adjust the screw (196) to obtain a gap of 0.004 + 0.002 inch between the imc coupling (155) and the spur gear (150), with the solenoid energized.

4-36. Removal and Replacement of Terminal Board (fig. 3-4 (5))

The removal and replacement of the terminal board (139) is obvious. The only special instruction is the importance of identifying each wire before it is disconnected from the board.

4-37. Removal and Replacement of Drive Body Gear Train

NOTE

The cover (13, fig. 34 (1)) must be removed to gain access to the gear train components described in this paragraph.

The procedures of this paragraph describe the removal and replacement of the gear assemblies that comprise, with one exception, the body gear train. The scan motor, tachometer-generator and associated gears are removed as one assembly (para 3-12). The replacement of the helical gear and sprocket assembly (93, fig. 3-4 (4)) which is on the prism shaft is a depot function but the replacement of cluster gear and spur gear assembly (136, fig. 3-4(6)) and the IMC shaft assembly (144) requires that helical gear and sprocket assembly (93, fig. 3-4 (4)) be removed first to gain access to the other assemblies. The procedures for removing and reinstalling gear assembly (93) is, therefore, included in this paragraph. The importance of synchronizing prism rotation, film advancement, puck switch actuation, and cam action cannot be overemphasized. The specific instructions are included with the reassembly and installation procedures and summarized in paragraph 4-66. Following the replacement of a gear, apply synthetic grease, Anderol-L757 to the teeth.

a. Removal and Replacement of Prism and Gear Assembly (fig. 2-6).

(1) *Removal* (fig. 3-4 (4)).

(a) Remove the photocell assembly (para 3-13).

(b) Remove the two screws (81) securing the flange (80) to the helical gear and sprocket assembly (93). Remove the belt (79).

(c) Support the sprocket of the helical gear and sprocket assembly (93) with a wood or aluminum block and carefully tap out the pin (92).

(d) Pull the helical gear and sprocket assembly (93) off the shaft of the prism assembly (95).

(e) Support the prism assembly (95), then remove the cover (98), support the pad (1001, and the prism bracket (102).

(f) Remove the prism assembly (95) from the housing (198), with the shim (96) and the bearing (97).

(2) *Replacement* (fig. 8-4 (4)).

(a) Replacement of the prism and gear assembly (95) is a reversal of the removal procedures of (1) above and conformity to the following special procedures.

(b) Remove the pin (92) and pull the helical gear and sprocket assembly (93) from the prism shaft.

(c) Install the prism assembly (95) in the prism bracket (102) and housing (198) check the end play under a reversing axial load of 3.5 ± 0.25 pounds.

(d) Add the shims (96) as required to limit the end play between 0.0002 and 0.0022 inch.

(e) Mesh the marked tooth of the cluster gear and spur assembly (136) in the marked space on the prism assembly and the helical gear and sprocket assembly (93). Then drive the taper pin (92) into the sprocket, making sure that neither end of the pin extends into the space in which the drive belt travels.

(f) Align the phasing hole in the camera body with the phasing hole in cam and gear shaft assembly (60). Insert an alignment pin in both holes.

(g) Line up the red dot on the gear (86) with the red dot on the sprocket of the helical gear and sprocket assembly (93), using a straight edge. Install the drive belt (79).

(h) Apply glyptal adhesive to the threads of the screws (81) and (83) and attach the flanges (80) and (82) to the respective sprockets (93) and (85).

b. Removal and Replacement of Cluster Gear and Spur Gear Assembly (fig. 2-6).

(1) Removal (fig. 34 (5)) (a) Remove the pin (131) securing the spur gear (130) of the cluster gear and spur gear assembly (136) to the shaft (134).

(b) Remove the spur gear (130) and the shim (132).

(c) Withdraw the assembled cluster gear and shaft.

(2) Replacement.

(a) Replacement of the cluster gear and spur gear assembly is a reversal of the removal procedures of (1) above and the special instructions described below.

(b) With the bearings (133) installed, insert the shaft (134), with the cluster gear (136) and the spacer (135), into the housing.

(c) Mesh the marked tooth of the cluster gear (136) into the marked space on the helical gear and sprocket assembly (93).

(d) Assemble a shim (132) and the spur gear (130) on the shaft (134).

(e) Check the end play under a 3.5 t 0.25 pound reversing load. Add the shim (132) as required to limit the end play, between 0.002 and 0.0022 inch under the reversing load.

(f) Mesh the marked tooth of the spur gear (150) of the

imc assembly (144) in the marked space of the spur gear (130).

(g) Drive in and stake the taper pin (131) securing the spur gear (130) to the shaft (134).

c. Removal of Gear, Cam, and Shaft Assembly.

(1) Removal.

(a) Remove puck (61, fig. 3-4 (3)) and cam and shaft assembly (60) (para 442).

(b) Remove pin (91, fig. 34 (4)) securing spur gear (90) to the shaft (89). Remove the spur gear and shims, if any were used, from the shaft (89).

(c) Withdraw the shaft (89) with the flange (82), gear (86), and cam (87) from the housing (198).

(2) Replacement.

(a) Replacement of the gear cam, and shaft assembly is a reversal of the removal procedures and conformity to the special instructions described below.

(b) With the bearings (88) installed in the housing (198) and the sprocket wheel, cam, and shaft assembly assembled in place, check the end play. Add shims, as required, to limit the end play between 0.001 and 0.003 inch.

(c) Stake the taper pin (91) in place.

d. Removal of Sprocket, Gear, and Flange Assembly (fig. 2-).

(1) Removal.

(a) Remove two screws (33, fig. 3-4 (2)) securing the shield (32) to the block (34).

(b) Remove the retaining ring (117, fig. 3-4 (5)) from the shaft of the trunnion (120).

(c) Remove the retaining ring (115) from the sprocket, gear, and flange assembly (119).

(d) Remove the positive drive belt (116) from the sprocket, gear, and flange assembly (119).

(e) Remove the three screws (121) securing the trunnion (120) to the housing (198) (2) Replacement (fig. 3-4).

(a) Replacement of the sprocket, gear, and flange assembly is a reversal of the removal procedures of (1) above and conformity to the special instructions described below.

(b) Use the shims as required between the trunnion (121) and the bearing (118) to position the outer face of the sprocket (119) 4.662 inches from the inner surface of the housing.

- (c) Coat the threads of the screws (121) with glyptal.
- (d) Check the end play of the sprocket, gear, and flange assembly (119). Add shims as necessary to limit the end play between 0.001 and 0.003 inch.
- (e) Install the belt (116) and secure with the retaining ring (115).
- (f) Secure the block (34) to the housing (198) with the two screws (35). Secure the shield (32) to the block (34) with the two screws (33). Coat the threads of the screws (33) and (35) with glyptal.

e. Removal of Sprocket Wheel, Gear, and Pinion Shaft Assembly (fig. 2-6).

(1) *Removal.*

- (a) Remove the two screws (101, fig. 34 (4)) and two screws (103) securing the support pad (100) to the bracket (102).
- (b) Remove the retaining ring (124, fig. 3-4 (5)) the shim (125).
- (c) Support the sprocket and flange assembly (122) and carefully tap out the pin (123).
- (d) Withdraw the shaft (127) with the pinion gear (128) attached.

(2) *Replacement.*

- (a) The replacement of the sprocket wheel, gear, and pinion shaft is a reversal of the removal procedures of (1) above and the special instructions described below.
- (b) Use the shim (125) to obtain an end play of 0.0002 to 0.0022 inch under 3.50 + 0.25 pounds reversal axial load.

4-38. Repair and Alinement of Control, Aircraft Camera LA-412A Components

a. General. Procedures for the repair and alinement of camera control assemblies and parts by general support personnel, are contained in paragraphs 4-39 through 4-47. The removal and replacement of assemblies and parts from a board assembly involves the removal of an electrical insulating compound that is used to coat the wiring and parts. Refer to paragraph 3-7 for the details concerning the compound and also for additional instructions that pertain to repair and alinement procedures.

b. *Tracing Circuits on Board Assemblies.* The connector contacts on each board assembly have no "pin" markings but they can be easily identified, as follows:

(1) To trace a circuit on a board assembly, as instructed in a signal substitution test procedure paragraphs 4-7 through 4-9, examine the mating connector on the interconnecting board from which the board assembly was withdrawn. The symbol 1A will be found inscribed on the interconnecting board to the upper left of the connector. This indicates that the prefix 1 must be assigned to all the letters in the top row of the connector and the prefix 2 to all the letters in the bottom row. The letters are stamped into the face of the connector at both rows, beginning with an upper case A at the left and the lower case letters on the right. However, it must be noted that all letters of the alphabet are not included.

(2) Further identification of interconnecting board assembly connector contacts can be made in figures 6-8 and 6-29. Use these illustrations in conjunction with an assembly schematic, as it designates each connector contact by number or letter and shows those that are tied together and those which are spares.

(3) To locate a specific "pin" on a board assembly, first locate the pin letter on the interconnecting board connector and starting from either side of the connector count the number of contacts to its location. Orient the board assembly to the position into which it is inserted into the interconnecting board connector and count off the same number of contacts, as was done to locate the "pin" on the interconnecting board.

(4) The wiring diagrams (fig. 6-22 through 6-32) show the components and connections of the various board assemblies and indicate the positions of the parts by reference designation. Assemblies, parts, and connections can thus be identified on a board assembly by reference to its wiring diagram.

4-39. Disassembly and Reassembly of an AEC Board Assembly a. Disassembly.

(1) Refer to paragraph 3-23 for the removal and installation of an aec board assembly.

(2) Before starting the removal of a part or assembly, refer to figures 6-22 and 6-23 to identify or confirm by reference designation the location of each unit.

(3) Refer to paragraph 4-38b for the method of identifying the "pin" contacts of the board assembly and to trace circuits.

(4) Exercise great care in the removal of the electrical insulating compound (para 3-7) that coats the wiring and components of the board.

(5) Transistors, capacitors, fixed and variable resistors, diodes, and transformers are replaceable to the extent the parts are furnished.

(6) Note the precise orientation of a board component before its removal. Reassembling its replacement may require the same exact positioning.

b. Reassembly.

(1) Connect a replacement part into place and when practicable check the continuity of the installation.

(2) When all replacements have been made and checked, coat the newly assembled parts and wires with the electrical insulating compound as described in paragraph 3-7d.

4-40. Disassembly and Reassembly of a Control Board Assembly

a. Disassembly.

(1) Refer to paragraph 3-22 for the removal and installation of a control board assembly.

(2) Before starting the removal of parts or assemblies, refer to figures 6-26 and 6-27 to identify or confirm by reference designation the location of each unit.

(3) Refer to paragraph 4-38b and follow the applicable procedures described to trace circuits.

b. Reassembly. Follow the procedures described in paragraph 4-38 for the replacement of board components.

4-41. Disassembly and Replacement of a Scan Board Assembly

a. Disassembly.

(1) Refer to paragraph 3-21 for the removal and installation of a scan board assembly.

(2) Before starting the removal of parts or assemblies, refer to figures 6-24 and 6-25 to identify or confirm by reference designation the location of each unit.

(3) Refer to paragraph 438b and follow the applicable procedures described.

b. Reassembly. Connect a replacement part into place, and, when practicable, check the continuity of the installation.

4-42. Repair and Alinement of Panel, Control Aircraft Camera LA-413A Components

Procedures for the repair and alinement of control panel components by general support personnel are contained in paragraphs 4-43 through 4-47.

electrical insulating compound FS10006 as directed in paragraph 3-7d.

4-43. Removal and Disassembly of Interface Component Board Assembly

(fig. 3-13)

a. Removal.

(1) Remove the four screws (4), washers (5), and lockwashers (6) securing the interface component board assembly (7) to the chassis brackets.

(2) Withdraw the interface component board assembly (7) from connector (9).

b. Disassembly (fig. 3-14).

(1) Separation of the board assembly (14) from the plate (13) requires the unsoldering of wires from the component side of the board assembly (14) before removing the four screws (15), lockwashers (16), and plain washers (17) which secure the board assembly (14) and the plate (13) to each other through the standoff mounting posts.

(2) Refer to paragraph 4-38b for the method of identifying parts by reference designation and tracing circuits from "pin" contacts.

(3) Exercise great care in the removal of the electrical insulating compound (para 3-7).

(4) The electrical components are replaceable to the extent that they are furnished to the general support level of maintenance.

(5) Before its removal, note the precise orientation of a component as the replacement may require the same exact positioning.

c. Reassembly.

(1) Connect a replacement component into place and when practicable check the continuity of the installation.

(2) When replacing transistor Q2 or Q4 (1), apply silicone grease to contacting metal mounting surfaces. Apply glyptal adhesive to the screw threads. With the exception of the hardware, use the mounting kit supplied with the component. Use No. 20 AWG insulating sleeving (MIL-L-22129C) on the bare wires.

(3) When replacing the diode VR3 (18) apply silicone grease to the contacting metal mounting surfaces. Apply glyptal adhesive to the screw threads. Use the mounting kit supplied with the component, with the exception of the hardware. Tighten the nut (19) to a torque between 10 and 13 inch/pounds.

(4) Use No. 15 AWG insulation sleeving (MI, L-22129C) on the two bare wires of transistor Q3. Tighten the nut (9) to a torque between 40 and 50 inch/pounds.

(5) After assembly and test, coat the pad areas masked for components Q2, Q3, Q4, with

d. Installation. Installation of the interface component board assembly is a reverse of the procedures of a

above.

4-44. Removal and Replacement of Electrical Connector J4

(fig. 3-13)

a. Removal.

(1) Remove the interface component board assembly (para 4-43).

(2) Remove the two nuts (49), washers (48), and screw (47) securing connector 3J4 (9) to the chassis flanges.

(3) Tag each wire with the pin number to which it is connected.

(4) Extract the wires from the connector, using extraction tool RXT 20-7 (Burndy, Norwalk, Conn 06852).

b. Replacement.

(1) The replacement procedures are the reverse of the removal procedures of a above and the special instruction given below.

(2) Replace an electrical contact where needed. Use crimping tool MS3191-1 to clench the electrical contact to the wire.

(3) Using insertion tool RTM20-9 (Burndy, Norwalk, Conn), insert the electrical contact into the designated grommet.

(4) Check the correctness of the reassembly.

4-45. Removal and Replacement of Radio Interference Filter, FL1

(fig. 3-13)

a. Removal.

(1) Remove the interface component board assembly (para 4-43) and electrical connector 3J4 (para 4-44).

(2) Remove the four screws (38) securing the gasket (42) and the electrical connector of filter (37) to the chassis (8).

(3) Remove the four screws (39), washers (40), and lockwashers (41) securing the filter (37) to the chassis brackets.

(4) Remove the filter (37) from the chassis (8).

(5) Tag the wires for reconnection and unsolder them from the filter terminals.

b. Replacement.

(1) Install a new filter (37) in the chassis (8) in the reverse sequence of the removal procedures in b above. See figure C-12 for wire connections.

(2) Coat the threads of the attaching screws with glyptal adhesive.

4-46. Removal and Replacement of Frames

Remaining Indicator

(fig. 3-13)

a. Removal.

(1) Remove the lighting plate (para 3-32).

(2) Remove the four screws (51) securing the frames remaining indicator (50) to the backing plate (14).

(3) Tag the wires with the numbers adjacent to the terminals to which they are connected and then unsolder them for removal.

b. Replacement.

(1) The replacement procedures are the reverse of the removal procedures of a above.

(2) Replace the lighting plate (para 3-32).

4-47. Removal and Replacement of Electrical Connector 3J2

(fig. 3-8)

a. Removal.

(1) Remove the radio interference filter (37) (para 4-45).

(2) Remove the interface component board assembly (para 4-43).

(3) Remove the four screws (45) and nuts (46) securing the electrical connector (43) and the shielding gasket (44) to the chassis (8).

(4) Use extracting tool MS24256R20 and remove the contacts from the front of the connector. Upon its removal, tag each wire with the pin identification letter.

b. Replacement.

(1) If a socket contact is damaged replace it, securing the bare end of the wire to the contact with crimping tool MS3191-1.

(2) Hold the connector with the keyway in the bottom (6 o'clock position) and insert the contacts into the designated grommet holes from the rear of the connector. The contacts will be loaded easier if started at the center grommet and continued concentrically outward.

(3) See figure 6-20 to check the reassembly of wires in the correct grommets.

4-48. Repair and Alinement of Magazine, Film LA-410A Components

Procedures for the repair and alinement of the film magazine assemblies and parts by the general support personnel are contained in paragraphs 4-49 through 4-66.

4-49. Removal and Replacement of Belt

(fig. 3-16) (2)) a. Removal.

- (1) Remove the cover (11) by removing the eight screws (12).
 - (2) Remove the gear (38) by tapping out the pin (39).
 - (3) Remove the flange (125) by removing the two screws (126).
 - (4) Slide the belt (127) outward until it is free of the pulley (146).
- b. *Replacement.* Replace the belt (127) in the reverse order of removal.

4-50. Removal and Replacement of Brake Assembly
(fig. 3-16 (2))

- a. Removal.
- (1) Remove the cover (22) by removing three screws (23).
 - (2) Remove the brake assembly (2'1).
- b. *Replacement.* Replace the brake assembly (21) in the reverse order of removal.

4-51. Removal and Replacement of Retractor Cam
(fig. 3-16) (4))

- a. Removal.
- (1) Remove the pressure plate assembly (para 3-40).
 - (2) Remove the keeper block assembly (para 3-41).
 - (3) Remove the retractor cam (80) by removing the two screws (81).
- b. *Replacement.* Replace the retractor cam (80) in the reverse order of removal.

4-52. Removal and Replacement of Clutch Assembly (fig. 3-16 (2))

- a. Removal.
- (1) Remove the pivot (51) by removing the pin (52).
 - (2) Remove the plate (45) and bearing (47) by removing the four screws (46).
 - (3) Remove the shim (48).
 - (4) Remove the clutch assembly (44).
- b. *Replacement.*
- (1) Replace the clutch assembly (44) in the reverse order of removal.
 - (2) Shim (43) for 0.003 to 0.005 inch end play of clutch assembly.

4-53. Removal and Replacement of Film Guides
(fig. 3-16 (4))

a. Removal.

- (1) Remove the pressure roller assembly (para 3-42).
- (2) Remove the film guides (106 and 107) by removing screws (, 108 and 109).

NOTE

It is not necessary to remove the pressure roller assembly to remove the film guides (111 and 112).

- (3) Remove the film guides (111 and 112) by removing the screws (113).
- b. *Replacement.*
- (1) Replace the film guides (111 and 112) in the reverse order of removal.

NOTE

Since the screws (108 and 109) are of different lengths they must be returned to their original positions.

- (2) Replace the film guides (106 and 107) in the reverse order of removal.
- (3) Replace the pressure roller assembly (para 3-42).

4-54. Removal and Replacement of Gear and Shaft Assembly
(fig. 3-16 (2))

- a. *Removal.*
- (1) Remove the cover (11) by removing the eight screws (12).
 - (2) Remove the retaining ring (42) and carefully withdraw the gear (38) and shaft (41). Catch the shim (43) as the shaft is withdrawn.
- b. *Replacement.*
- (1) Replace the gear and shaft assembly in the reverse order of removal.
 - (2) Shim (48) for 0.003 to 0.005 inch end play.
 - (3) Apply a light film of synthetic grease to the teeth of the gear (38).

4-55. Removal and Replacement of Flange

- a. Removal.
- (1) Remove the cover (11, fig. 3-16 (1)) by removing the eight screws (12).
 - (2) The flange (125, fig. 3-16 (5)) is secured by two screws (126).
- b. *Replacement.* Install a flange (125) with the two screws (126).

4-56. Removal and Replacement of the Gasket
(fig. 3-16 (2))

- a. *Removal.* Remove the cover (18) by removing the six screws (20). Pull the gasket (19) free from the cover (18).
- b. *Replacement.*
(1) Clean the cover (18), thoroughly, using methyl ethyl ketone (MEK).

NOTE

Be sure the holes in the gasket match the cover holes before cementing the gasket in place.

- (2) Apply adhesive to the cleaned surface of the cover and the correct surface of the gasket; let them stand until the adhesive is slightly tacky to the touch.
- (3) Being careful to line up the holes, place the gasket on the cover and press thoroughly.

4-57. Removal and Replacement of Keeper Arms
(fig. 3-18)

- a. *Removal.*
(1) Remove the pressure plate assembly (para 3-40).
(2) Remove the keeper block assembly (para 3-41).
(3) Remove the keeper arms (22 or 23) by removing the appropriate pins (21).
- b. *Replacement.*
(1) Be sure that the keeper arm (22 or 23) is properly oriented when placing it in position on the keeper block (24).
(2) From the outside, insert the pins (21) in their holes and partially press them in.
(3) When assured that the keeper arm swings freely, press in the pins fully leaving 0.06 inch protruding on the outside.

4-58. Removal and Replacement of Pivot Arm
(fig. 3-18)

- a. *Removal.*
(1) Remove the keeper block assembly (para 3-41).

NOTE

Before proceeding to the next step, carefully note the position and orientation of the spring (15).

- (2) Remove the pivot arm (11) by removing the retaining ring (13) and the shim (14).

- 428 (3) Catch the spring (15) as the pivot arm is withdrawn.

- b. *Replacement.* Being sure that the spring (15) is installed properly, replace the pivot arm (11) in the reverse order of removal.

4-59. Removal and Replacement of Keeper Rollers
(fig. 3-18)

- a. *Removal.*
(1) Remove the keeper block assembly (para 3-41).
(2) Remove any of the eight keeper rollers (3) by removing the appropriate retaining ring (2).
- b. *Replacement.* Replace the keeper rollers (3) in the reverse order of removal.

4-60. Removal and Replacement of Film Guides
(fig. 3-17)

- a. *Removal.*
(1) Remove the pressure plate assembly (para 3-40).
(2) Remove the film guide (1) by removing the two screws (2) or film guide (4) by removing two screws (5).
(3) Remove pins (3) or (6).
- b. *Replacement.*

NOTE

The top edge of the film guide must be parallel to the top surface of the pressure plate (14). The dimension between the two surfaces must be 0.027 inch.

- (1) Secure the film guide (1) or (4) using the two screws (2) or (5).
(2) Pin the film guide to the pressure plate.

4-61. Removal and Replacement of Adas Pressure Plate
(fig. 3-17)

- a. *Removal.*
(1) Remove the pressure plate assembly (para 3-40).
(2) Remove the retaining ring (9).
(3) Withdraw the pin (8) and catch washer (10), tension spring washer (11), washer (12), and the spring (13) as the pin (8) is withdrawn.
(4) Remove the adas pressure plate (7).
- b. *Replacement.*
(1) Replace the adas pressure plate (7) in the reverse order of removal and the following special procedure.

(2) Adjust the setscrew (12, fig. 3-19) to raise the adas pressure plate (7) .010_ 0.001 inch above the surface of the pressure plate (14, fig. 3-17).

4-62. Removal and Replacement of Pressure Plate (fig. 3-17)

a. Removal.

- (1) Remove the pressure plate assembly (para 3-40).
- (2) Remove the film guides (para 4-60).
- (3) Remove the adas pressure plate (para 4-61).

b. Replacement. Replace in the reverse order of removal.

4-63. Removal and Replacement of Film Guides, Roller Follower and Roller (fig. 3-19) a. Removal.

- (1) Remove the pressure roller assembly (para 3-42).
 - (2) Remove the two screws (2).
 - (3) Remove the two pins (1).
 - (4) Withdraw the tube (11) and as the tube is withdrawn catch the shims (3), film guide (4), spacer (5), roller (7), spacer (8), film guide (9), and the roller follower (10).
- b. Replacement.

NOTE

When reassembling, be sure that the two film guides (4 and 9) are placed correctly and that the large diameter of the roller follower (10) is adjacent to the film guide (9).

- (1) Replace the roller follower, roller, and the film guides in the reverse order of removal.
- (2) Shim (3) for 0.002 to 0.005 inch end play.

4-64. Removal and Replacement of Rocker Arm Assembly (fig. 3-16)

a. Removal.

- (1) Remove the pressure plate assembly (para 3-40).
- (2) Remove the keeper block assembly (para 3-41).
- (3) Remove the rocker arm (82) by removing the retaining ring (83) and shim (84).

b. Replacement.

- (1) Apply solid film lubricant to shaft (85).
- (2) Replace the rocker arm (82) in the reverse order of assembly.

- (3) Shim (84) the rocker arm for 0.001 to 0.002 inch end play.

4-65. Tests and Inspection

The physical inspections performed at the organizational and direct support levels of maintenance are applicable at the general support maintenance level. When a complete Camera, Still Picture KA-60C system has been serviced at the general support level, perform an operational check with the use of Test Set, Camera LS-86A as described in TM 11-6720-242-12, before returning the camera for service. The signal substitution tests of paragraphs 3-5 and 4-6 through 4-9 check the functional status of the various plug-in board assemblies. When repairs to a board assembly have been made and prior to the coating of replaced parts with electrical insulating compound MILI--46058, test the board assembly as described in the respective signal substitution test listed below.

- a. Testing Power Supply Assembly, para 35b.
- b. Testing Scan Heat Sink Assembly, para 35c.
- c. Testing Interface Board Assembly, para 46.
- d. Testing AEC Board Assembly, para 4-7.
- e. Testing Control Board Assembly, para 4-8.
- f. Testing Scan Board Assembly, para 4-9.

4-66. Alinement. Procedure

- a. Of necessity, alinement and adjustment procedures have been incorporated into the reassembly and replacement instructions.
- b. Specific instructions for the phasing of the gear train and associated components (fig. 2-6) are also included in the reassembly and replacement instructions. The following is a summary of the specific instructions.
- c. Coordination of the prism rotation, film transport, and related mechanisms is initiated by alining the phasing hole in the camera body housing (fig. 4-13) with the phasing hole in the control and capping cams of the cam and gear assembly. The insertion of a pin into the holes maintains the setting while the gears, sprockets, drive belts, and a cam are installed and positioned to form the gear train.
- d. The gear train timing is simply a matter of performing the following instructions in conformity with the specific procedures.
- e. When installing the shaft assemblies (fig. 2 6), mesh the marked tooth of a gear in the

marked tooth space of its mating gear. A single scribe line on the face of a gear points to the meshing gear tooth and two scribe lines on the mating gear indicate the space into which the marked tooth is inserted. With the pin inserted through the phasing holes of the camera body housing and cams and gears properly meshed, the red dot on the sprocket (86, fig. 3-4) should be in straight edge alignment with the red dot on the sprocket of the helical gear and sprocket assembly (93). Also,

the white scribed line on the cam (87) should be in a straight line with the plunger of the puck switch (43). This is illustrated in figure 3-6.

f. Following the installation of the drive belt (79, fig. 3-4) and the flanges (80) and (82) on gears (86), and (93), the puck switch (43)1 should be actuated when the rotation of the gear train brings the red scribe line on the cam (87) in a straight line with the puck switch plunger.

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CHAPTER 5

DEPOT MAINTENANCE

5-1. Depot Rebuild Operations

Complete rebuild of Camera, Still Picture, KA60C and/or its individual components will be accomplished by depot maintenance facilities when authorized by Headquarters, Department of the Army. Rebuild action includes all repair, rebuild, and replacement operations necessary to make equipment equivalent to new material and suitable for return to Department of the Army supply system stocks for reissue to using organizations. Detailed procedures for accomplishing the repairs and adjustments established in preceding portions of this manual and such additional repair and rebuild operations as deemed necessary will be established by the facility performing the work.

5-2. Depot Repair Procedures

This chapter contains repair procedures which can be accomplished only at depot level. These include procedures for the removal, fabrication and /or alinement, and replacement of the following components of the camera:

- a. Helical and Sprocket and Gear Assembly (para 5-3).
- b. Straight Shaft (para 5-4).
- c. Power Supply Cover (para 5-5).
- d. Mending Plate (para 5-6).
- e. Light Shield (para 5-7).

5-3. Helical Gear and Sprocket Assembly

- a. *Removal.* Remove helical gear and sprocket assembly (para 437a).
- b. *Alinement of Prism and Helical Gear and Sprocket Assembly.* Before the prism cage assembly and helical gear and sprocket assembly can be replaced in the camera housing they must be alined as shown in figure 5-1. Drill the hole for the tapered pin (92, fig. 3-4 (4)) 90 degrees away from the location of the original hole in the prism shaft. Maintain a 0.375 + 0.003 inch standoff between the gear and prism cage assembly and a 37°50'+0°10' angle between the red dot on the socket and the prism flat, as shown in figure 5-1.

- c. *Replacement.* Install the prism cage and the helical gear and sprocket replacement (para 437a).

CAUTION

When pinning the helical gear and sprocket assembly, be sure the pin does not protrude into the sprocket tooth space at either end.

5-4. Straight Shaft

(fig. 3-4 (4))

a. Removal.

- (1) Remove the sprocket, wheel, cam, and shaft assembly (para 4-37c).
- (2) Remove the pin (91) securing the gear (90) to the shaft (89). Remove the gear from the shaft.

b. Fabrication.

- (1) Dimensions: see figure 5-2.
- (2) Material: Stainless steel, 303Sc annealed or 303S annealed, per MILS-7720.
- (3) Finish: Passivate.

c. Alinement of Gears and Cam on Shaft. Before the sprocket, wheel, cam and shaft assembly can be replaced in a camera housing, the sprocket (86, fig. 3-4 (4)) and the spur gear (90) must be assembled on the new shaft (89) and alined as shown in figure 5-3. Once the pins have been located so that the dimensions shown are held, remove the sprocket and cam.

d. Replacement.

- (1) Drive the pin (91) tight into the shaft (89).
- (2) Insert the shaft and gear through the bearing (88) and the housing (198).
- (3) Complete the replacement as described in paragraph 4-37c.

5-5. Power Supply Cover

There are two identical covers (1, fig. 3-10) on the power supply assembly. The procedures that follow apply to both covers.

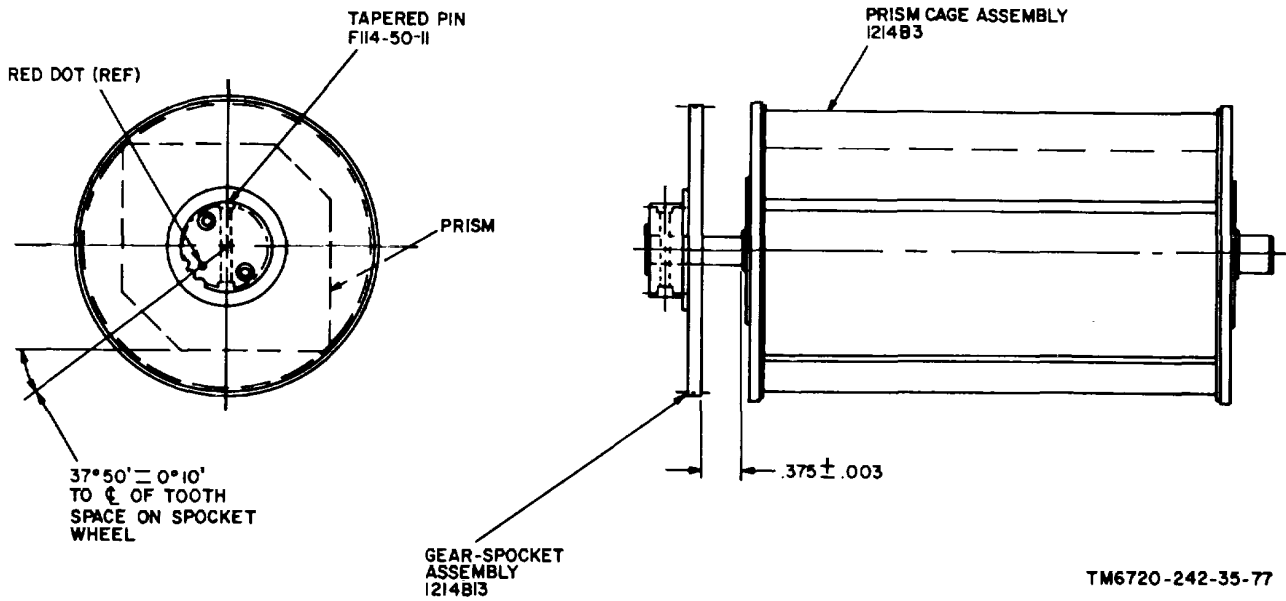


Figure 5-1. Alinement of prism and helical gear and sprocket assembly.

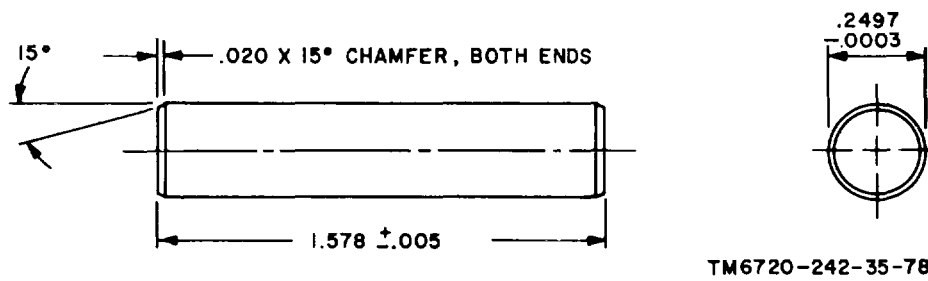


Figure 5-2. Straight shaft, fabrication dimensions.

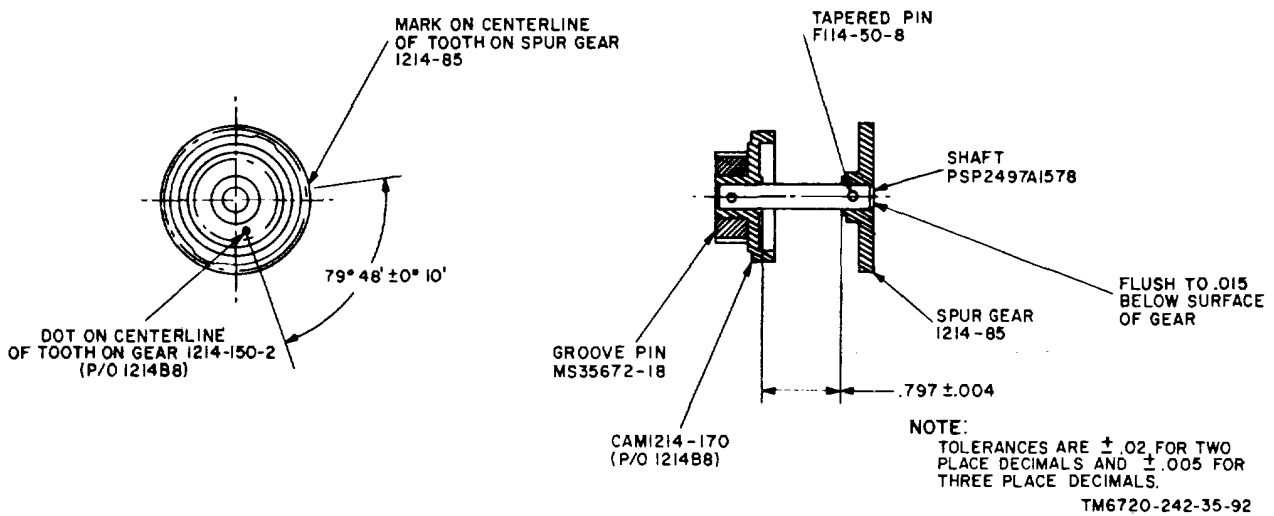


Figure 5-3. Alinement of gears and cam on shaft.

- a. Removal and Disassembly. Remove and disassemble the power supply assembly (para 3-25).
- b. Fabrication.
 - (1) Dimensions and shape: see figure 5-4.
 - (2) Materials: 5052-H32 Aluminum Alloy, QQ-A-250/8, Temp H32.
 - (3) Finish: chemical film per MI-C-5541.
- c. Reassembly and Installation. Reassemble and install the power supply assembly (para 3-26).

5-6. Mending Plate

There are two identical mending plates on the magazine cover assembly. The procedures that follow apply to both plates.

a. Removal.

- (1) Remove the magazine cover assembly (1, fig. 3-16).
- (2) Remove the two rivets securing the catch strike and mending plate to magazine cover.

b. Fabrication.

- (1) Dimensions and shape: see figure 5-5.
- (2) Material: 2024-T3 Aluminum Alloy, QQ-A-250/4, Temp T3.
- (3) Finish: Alodine 1200S per MILC-5541.

c. Replacement.

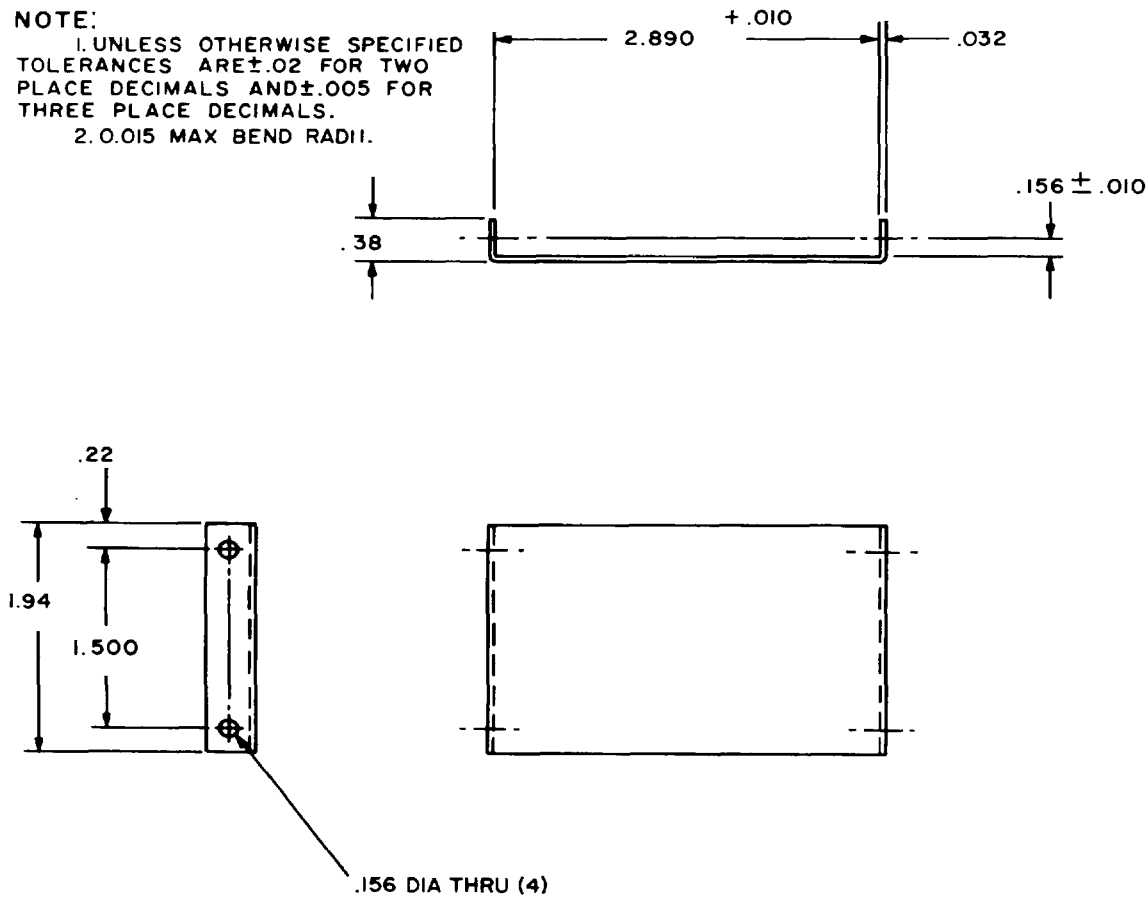
- (1) Secure the mending plate and catch strike to the magazine cover (1, fig. 3-16) with two rivets.
- (2) Install the magazine cover assembly.

5-7. Light Shield
(fig. 3-16)

There are two identical light shields (53) inside the magazine assembly. The procedures that follow apply to either or both of the light shields.

NOTE:

- 1. UNLESS OTHERWISE SPECIFIED TOLERANCES ARE $\pm .02$ FOR TWO PLACE DECIMALS AND $\pm .005$ FOR THREE PLACE DECIMALS.
- 2. 0.015 MAX BEND RADIUS.



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Figure 5-4. Cover, fabrication dimensions.

- a. Removal and Disassembly. Remove and disassemble the power supply assembly (para 3-25).
- b. Fabrication.
 - (1) Dimensions and shape: see figure 5-4.
 - (2) Materials: 5052-H32 Aluminum Alloy, QQ-A-250/8, Temp H32.
 - (3) Finish: chemical film per MI-C-5541.
- c. Reassembly and Installation. Reassemble and install the power supply assembly (para 3-26).

5-6. Mending Plate

There are two identical mending plates on the magazine cover assembly. The procedures that follow apply to both plates.

a. Removal.

- (1) Remove the magazine cover assembly (1, fig. 3-16).
- (2) Remove the two rivets securing the catch strike and mending plate to magazine cover.

b. Fabrication.

- (1) Dimensions and shape: see figure 5-5.
- (2) Material: 2024-T3 Aluminum Alloy, QQ-A-250/4, Temp T3.
- (3) Finish: Alodine 1200S per MILC-5541.

c. Replacement.

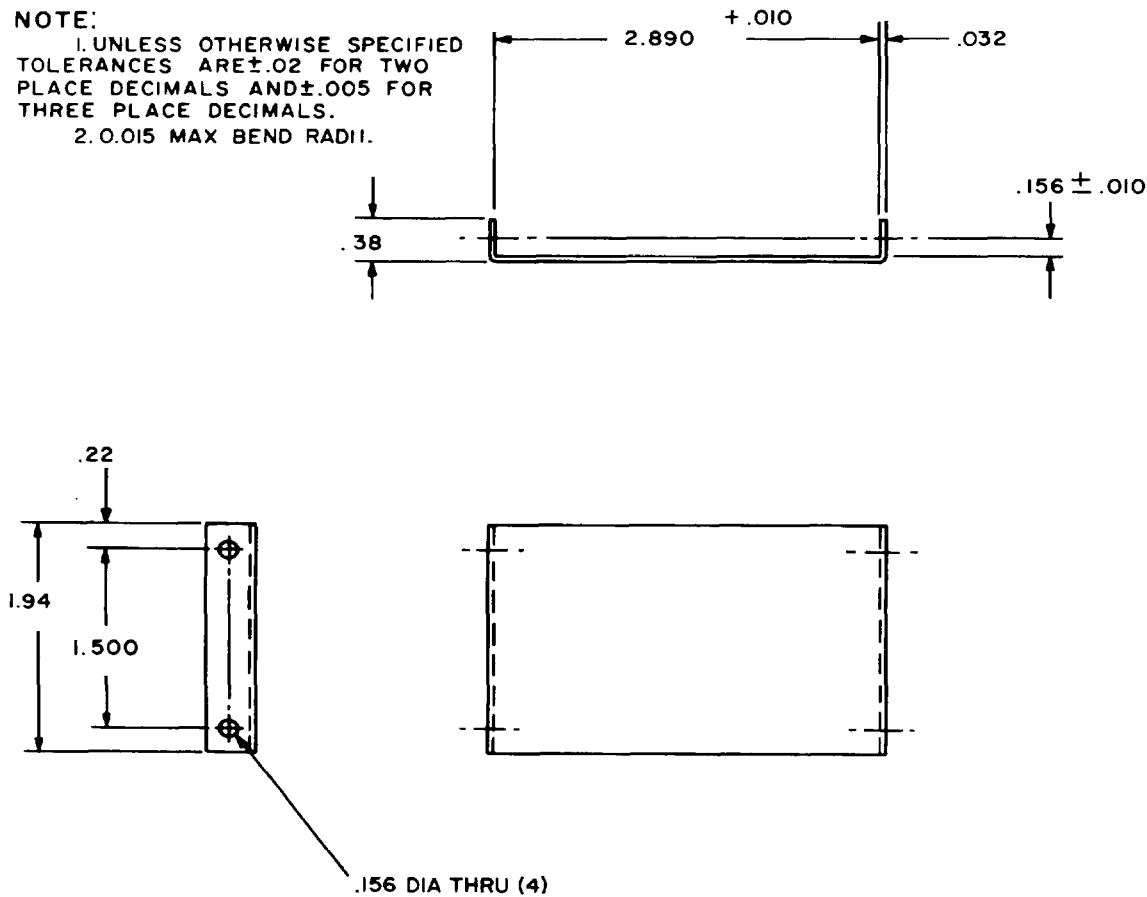
- (1) Secure the mending plate and catch strike to the magazine cover (1, fig. 3-16) with two rivets.
- (2) Install the magazine cover assembly.

5-7. Light Shield
(fig. 3-16)

There are two identical light shields (53) inside the magazine assembly. The procedures that follow apply to either or both of the light shields.

NOTE:

- 1. UNLESS OTHERWISE SPECIFIED TOLERANCES ARE $\pm .02$ FOR TWO PLACE DECIMALS AND $\pm .005$ FOR THREE PLACE DECIMALS.
- 2. 0.015 MAX BEND RADIUS.



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Figure 5-4. Cover, fabrication dimensions.

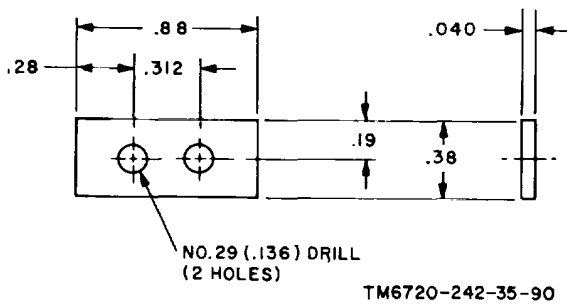


Figure 5-5. Mending plate, fabrication dimensions.

a. Removal.

- (1) Remove the magazine assembly.
- (2) Remove the magazine covers (1 and 4).
- (3) Remove the two screws (54) securing the light shield (53) to the magazine.

b. Fabrication.

- (1) Dimensions and shape: see figure 5-6.
- (2) Material: 5052-H32 aluminum alloy, QQ-A-250/8, Temp H32.
- (3) Finish: sulfuric acid anodize per MIL-8625, Type II, Class 2, Dyed black.

c. Replacement. Secure the two screws (54).

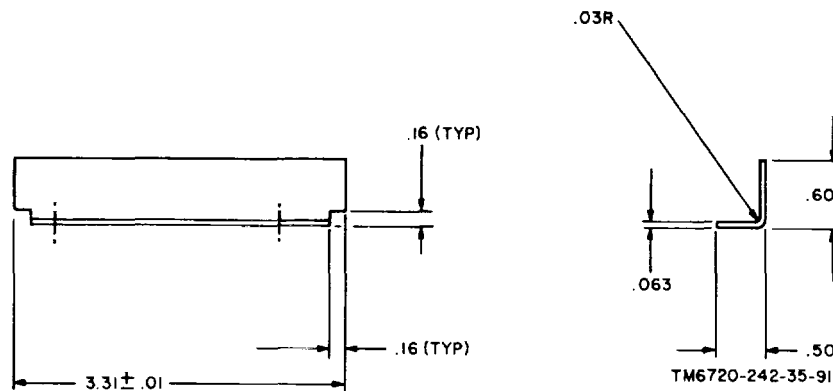
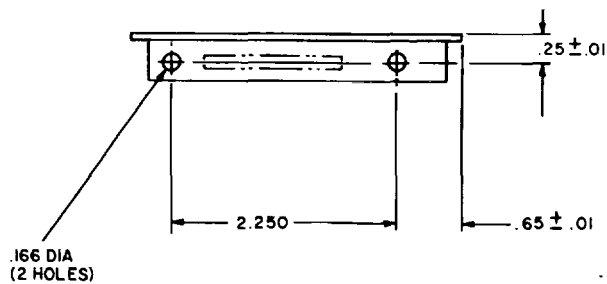


Figure 5-6. Light shield, fabrication dimensions.

CHAPTER 6

AUXILIARY EQUIPMENT

NOTE

This chapter covers direct support and general support maintenance for Control Panel LA-428A (V/H panel). It includes instructions for troubleshooting, repairing, and aligning the equipment.

Section I. FUNCTIONING OF THE V/H CONTROL PANEL

6-1. General

The V/H control panel generates dc voltage levels (V/H signals) analogous to aircraft velocity over altitude from input primary power. It does this by rectifying the incoming 115 vac, regulating the resultant dc voltage, and passing it through a resistive divider network. Any of twelve selected dc levels can be tapped from the divider network through a rotary switch (the KNOTS PER FOOT switch, S2) located on the faceplate. The V/H control panel also receives 5 vdc which is used to illuminate the panel edgelights.

6-2. Power Application and Protection
(fig. 6-1, and 6-4)

Primary power at 115 vac, 400 Hz, single phase enters the V/H control panel through connector 4J1-F. The power side of the line is interrupted by circuit breaker CB1, the POWER switch. CB1 is a magnetically activated time-delay device, which opens from 0.2 to 7 seconds at an overload of 125% of its 0.5 ampere rating.

6-3. Generation of V/H Signals

a. The incoming ac primary power is impressed across isolation transformer T1, including approximately 105 vac in its secondary. This, in turn, is applied to the bridge rectifier made up of CR1 through CR4. Capacitor C1 filters the output of the rectifier (about 150 vdc), which is applied across the series-shunt regulator made up of transistor Q2, zener diode VR1, and emitter

follower Q1.

b. The purpose of the regulator circuit is to keep a constant output of 100.6 vdc at the emitter of Q1. This voltage is adjusted by potentiometer R4, the V/H calibrate control. VR1 regulates the emitter voltage of Q2. Diode CR5 provides temperature stability.

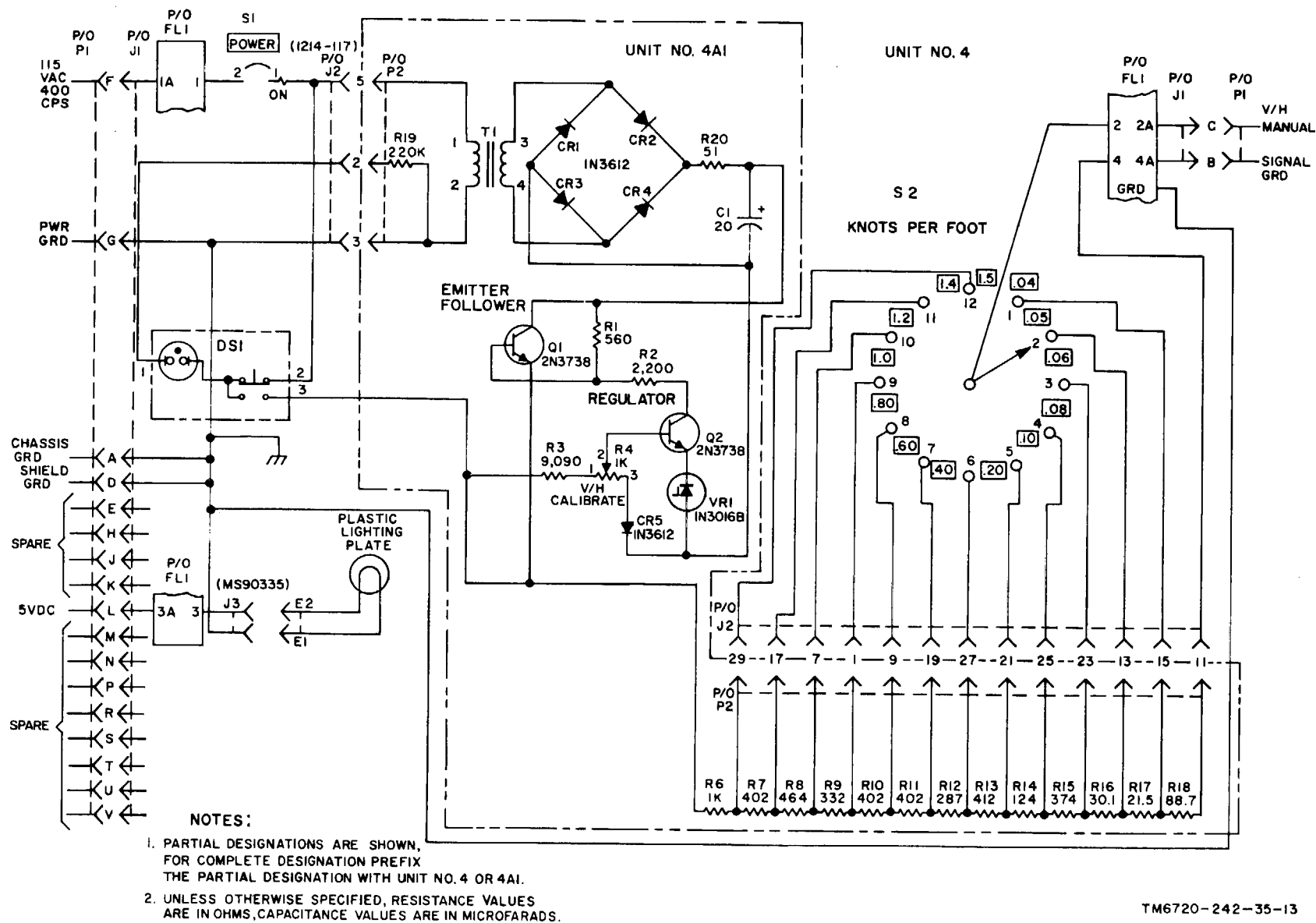
c. The output of the regulator circuit is applied across the voltage divider made up of resistors R6 through R18. KNOTS PER FOOT switch S2 taps across the divider network and ground to deliver the selected voltage level to the camera. The output signal is applied through pins C and B of connector 4J1.

6-4. Edgelights

A five vdc signal is applied to connector 4J3 through pins L and G of connector 4J1. Terminals E1 and E2 connect the five vdc input to the plastic faceplate. This plate has embedded in it a set of red lamps which light when power is applied from the camera control. The lamps in the plastic plate are not replaceable; the entire plate must be replaced when the lamps fail.

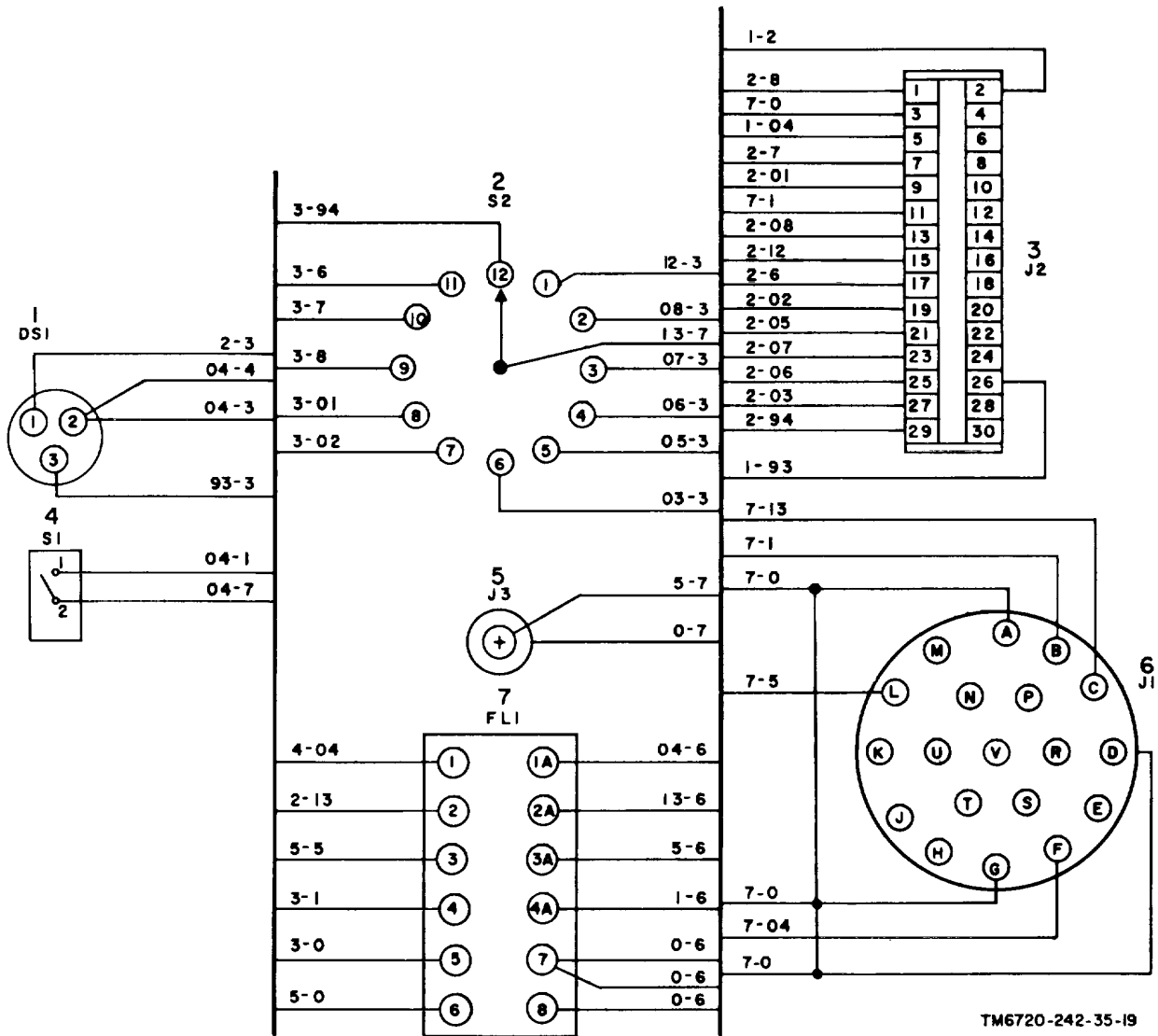
6-5. RFI Suppression

All inputs to and outputs from the V/H control panel pass through noise suppression filter FL1, electrically situated at the interface of connector 4J1. Further, the V/H control panel cover butts against an rf filter gasket material cemented to the panel face.



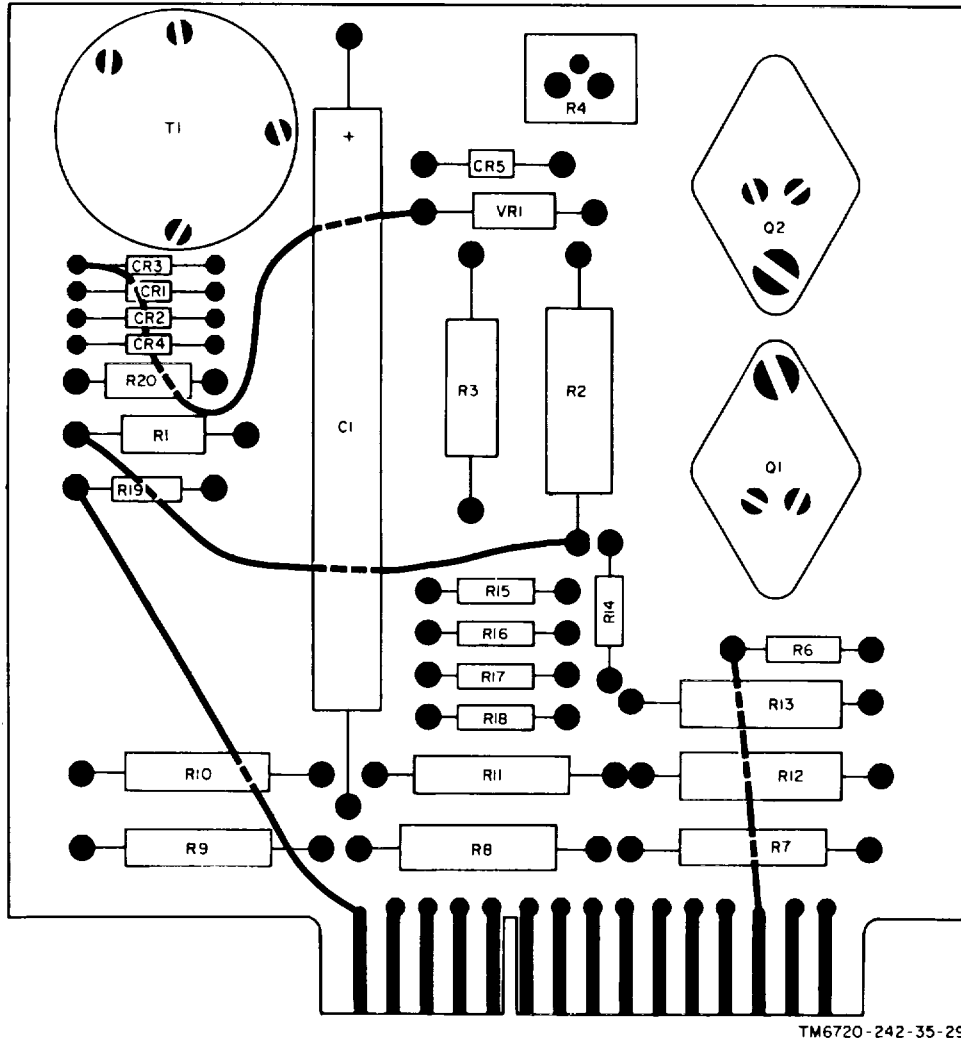
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Figure 6-1. V/H control panel, schematic diagram.



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Figure 6-2. V/H control panel, wiring diagram.



TM6720-242-35-29

Figure 6-3. V/H board assembly wiring diagram, front view.

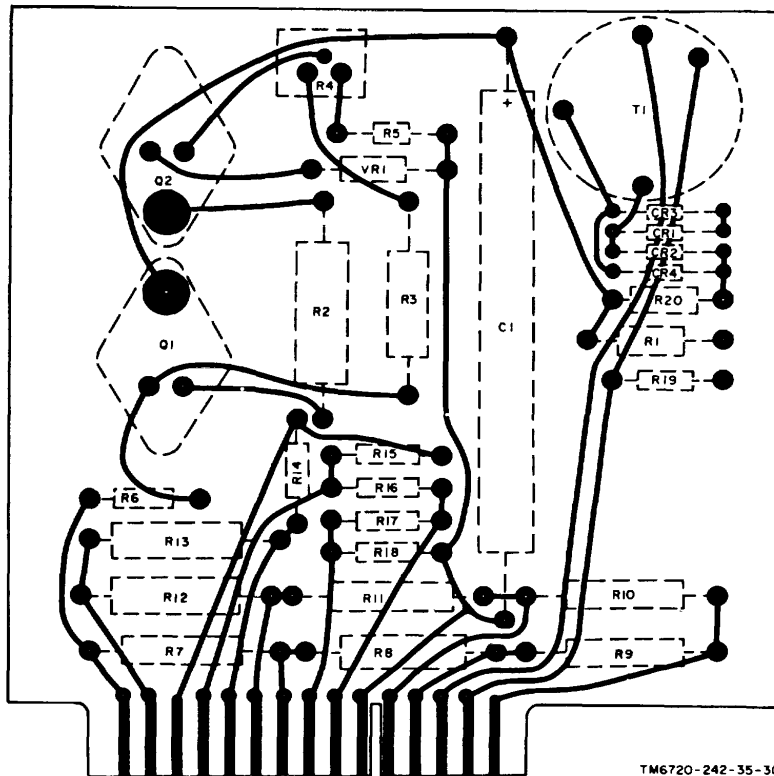


Figure 6-4. V/H board assembly wiring diagram, rear view.

Section II. DIRECT SUPPORT MAINTENANCE

6-6. Scope

Direct support maintenance is limited to the replacement of the POWER indicator light assembly and the edge light faceplate. Cleaning and inspection routines for the V/H control panel are the same as for the other control units in the camera.

they will reference maintenance at the general support level.

6-7. Direct Support Troubleshooting

a. The symptoms listed in this troubleshooting PORT MAINTENANCE chart will aid in localizing trouble to a particular component in the V/H control panel, or

b. Troubleshooting begins with the operator's and organizational maintenance. The troubleshooting chart below represents an extension of the troubleshooting charts in TM 11-6720-24212.

<u>Item</u>	<u>Malfunction</u>	<u>Probable Cause</u>	<u>Corrective Action</u>
1	Power indicator light does not light when POWER circuit breaker CB1 is set to ON.	Indicator light assembly defective.....	Replace indicator light assembly (para 68c).
2	No edge light when POWER circuit breaker is set to ON:	a. No +5vdc input..... b. Lamps in edge light panel defective	a. Check with voltmeter across pins D and L of 4P1. If no voltage present, refer to a higher category of maintenance. b. Replace faceplate (pars 6-8b).

6-8. Removal and Replacement

a. *General.* This paragraph provides direct support removal and replacement procedures for the edge light faceplate and the light assembly. Since it is not necessary to perform a complete disassembly to remove either of these components, the exploded view referenced in the procedures should be used as a guide only.

b. *Removal and Replacement of Faceplate* (fig. 6-5).

(1) Remove connector 4P1 from its receptacle (22) on the panel.

(2) Loosen the two captive screws (2) securing the cover (1). Remove the cover.

(3) Remove the setscrew (6) securing the knob (5).

(4) Unscrew the cap on the light assembly (12).

(5) Remove the four screws (8) securing the faceplate (7) to the chassis (34). Remove faceplate.

(6) Reverse steps (1) through (5) to install a new faceplate.

c. *Removal and Replacement of Light Assembly.*

(1) Remove connector 4P1 from its receptacle (22) on the V/H panel.

(2) Loosen the two captive screws (2) securing the cover (1). Remove the cover.

(3) Tag and unsolder the leads to the light assembly (12).

(4) Remove the nut (13) and the washer (14) securing the light assembly. Remove the light assembly.

(5) Reverse steps (1) through (4) above to install a new light assembly

Section III. GENERAL SUPPORT MAINTENANCE

6-9. Scope

The maintenance duties assigned to general support maintenance are listed below together with reference to the paragraphs covering specific maintenance functions.

- a. Troubleshooting (para 6-10).
- b. Voltage and resistance measurements (611).
- c. Calibration (6-12)
- d. Disassembly and reassembly (6-13)
- e. General support testing procedures (6-14)

6-10. Troubleshooting

a. *General.* Troubleshooting the V/H control panel at the general support level includes all the techniques outlined for organizational and direct support maintenance for the camera. Systematic troubleshooting, which begins with the operational and sectionalization checks performed at the organizational level, must be completed by further localizing and isolating techniques.

b. *General Support Troubleshooting Chart*

<i>Item</i>	<u>Malfunction</u>	<u>Probable Cause</u>	<u>Corrective Action</u>
1	POWER indicator lamp does not light when POWER circuit breaker is set to ON	a. Circuit breaker CB1 defective..... a. b. Resistor R19 defective b.	Replace CB1 (pars 6 3). Measure 220 K across R19. If open or short, replace R19.
2	No V/H manual signed received at the camera	a. Secondary winding of T1 open..... a. b. Bridge rectifier (CR1 through CR4) defective. b. c. Emitter follower Q1 open..... c. d. Resistor R20 of R6 open d. e. Switch S2 defective..... e. f. Filter FLI defective f.	Check continuity of T.1 secondary(terminals 3 and 4). If open replace T1. Check CR1 through CR4. Check Q1, replace if necessary. Check resistors, replace if open. Check continuity of switch. Check continuity across pins 2 and 2A, 4 and 4A. Replace if defective (para 6-11).
3	Incorrect V/H signals received at the camera	a. V/H calibrate potentiometer R4 not set correctly a. b. Regulator circuit (Q1, Q2, VR1 and CR5) defective b.	Check calibration of potentiometer R4 (para 6-12). Measure output of regulator circuit (para 6-11b). If improper, check circuit components.

<u>Item</u>	<u>Malfunction</u>	<u>Probable Cause</u>	<u>Corrective Action</u>
		c. One or more resistors in divider network (R6 through R18) defective.	c. Check resistors, replace if necessary.
		d. Partial failure of bridge rectifier (CR1 through CR4)	d. Check output of bridge rectifier(par 6-11b). If improper, check circuit ponents.

com-

6-11. Voltage and Resistance Measurements

a. *Transistor Checks.* Use the data below to check the operational parameters of transistors Q1 and Q2 (out of circuit).

<u>Transistor</u>	<u>Function</u>	<u>Test condition</u>	<u>Measurement</u>
Q1 or Q2	a. Collector-to-Emitter Sustaining Voltage (V _{ce}) (sus)	I _c = 5 made; I _b = zero	225vdc minimum
	b. Collector-to-Emitter Saturation Voltage (V _{ce}) (sus)	I _c = 250 made; I _b = 25 made	2.5vdc minimum
	c. Base-to-Emitter Saturation Voltage (V _{be}) (sus)	I _c = 100 made; V _{ce} =	10 vdc 1.0vdc maximum

b. *Circuit Voltage Measurement.* Voltage measurements at several critical points in the circuit for the V/H panel follow.

<u>Point of measurement</u>	<u>Test condition</u>	<u>Measurement</u>
Terminals 3 and 4 of transformer T1	Power on, measure with voltmeter (ac)	101vac
Junction of R20 and C1 and ground	Power on, measure with voltmeter (dc)	150vdc
Junction of R6 and emitter of Q1 and ground (-)	Power on, measure with voltmeter (dc)	100.6 +0.5vdc

c. *Resistance Measurements.* The critical resistance measurement is the out-of-circuit resistance across the terminals of transformer T1. These measurements are: 88 ohms maximum across terminals 1 and 2 and 60 ohms maximum across terminals 3 and 4.

6-12. Calibration

To set the V/H calibrate control R4, place a voltmeter (dc) between the junction of R6 and the emitter of Q1 and ground. Adjust potentiometer R4 for a reading of 100.6 +0.5 vdc.

613. Disassembly and Reassembly (fig. 6-3, 6-4, 6-5, and 6-6)

a. *Disassembly.*

- (1) Loosen the two captive screws (2) securing the cover (1) to chassis (34).
- (2) Pull out the component board assembly (4). Remove components as required (fig. 6-3 and 6-4). To remove heat sinks from transistors, refer to figure -6 for attaching parts.
- (3) Remove the setscrew (6) and the knob (5). Unscrew the light assembly (12). Remove the four screws (8) securing the faceplate (7) to the chassis. Remove the faceplate.

(4) Tag and unsolder the leads to the circuit breaker (9). Remove the nut (10) and the washer (11) securing the circuit breaker to the plate (17). Remove the circuit breaker.

(5) Tag and unsolder the leads to the light assembly (12). Remove the nut (13) and the washer (14) securing the light assembly to the plate (17). Remove the light assembly.

(6) Tag and unsolder the leads to the switch (15). Remove the nut (16) securing the switch to the plate (17) and remove the switch.

(7) Tag and unsolder the leads to the connector (3) and the terminal (32). Remove nut (33), washer (31), terminal (32) and connector (30) from the plate (17).

(8) Remove the screws (18) securing the plate (17) to the chassis (34). Remove the plate and the gasket (19).

(9) Tag and unsolder the leads to the filter (20). Remove the four screws (21) securing the filter to the chassis (34). Remove the filter.

(10) Remove the screws (23), and the nut plate (24), connector (22) and grommet (25) from the chassis (34). Remove the contacts from the connector with extracting tool MS24256-R20.

(11) Remove the screws (27), nuts (28), and washers (29) securing the connector (26) to the chassis (34). Remove the connector.

b. *Reassembly.* Reassemble by reversing the disassembly procedure of a above.

6-14. General Support Test Procedure

a. *General.* The procedure that follows insures that equipment repaired at the general support facility is in serviceable condition before it is returned to the field.

b. *Test Equipment Required.* The following test equipment is required for the general support tests:

- (1) A variable ac source of 115-vac, single phase, 400-Hz power.
- (2) A source of + 5 vdc.
- (3) Digital voltmeter.
- (4) Multimeter AN/URM-105.
- (5) A 100K, 1/2 watt, 51 resistor.
- (6) Dummy plug (MS3126E14-195).

c. *Physical Tests and Inspection.* The tests and procedures in chapter 4 of this manual generally apply to the V/H panel.

d. *Functional Test.*

(1) Connect the V/H control panel to the test equipment as shown in figure 6-7.

(2) Set the POWER switch on the V/H control panel to OFF.

(3) Adjust the variable ac source for an output of 115 + 1 vac.

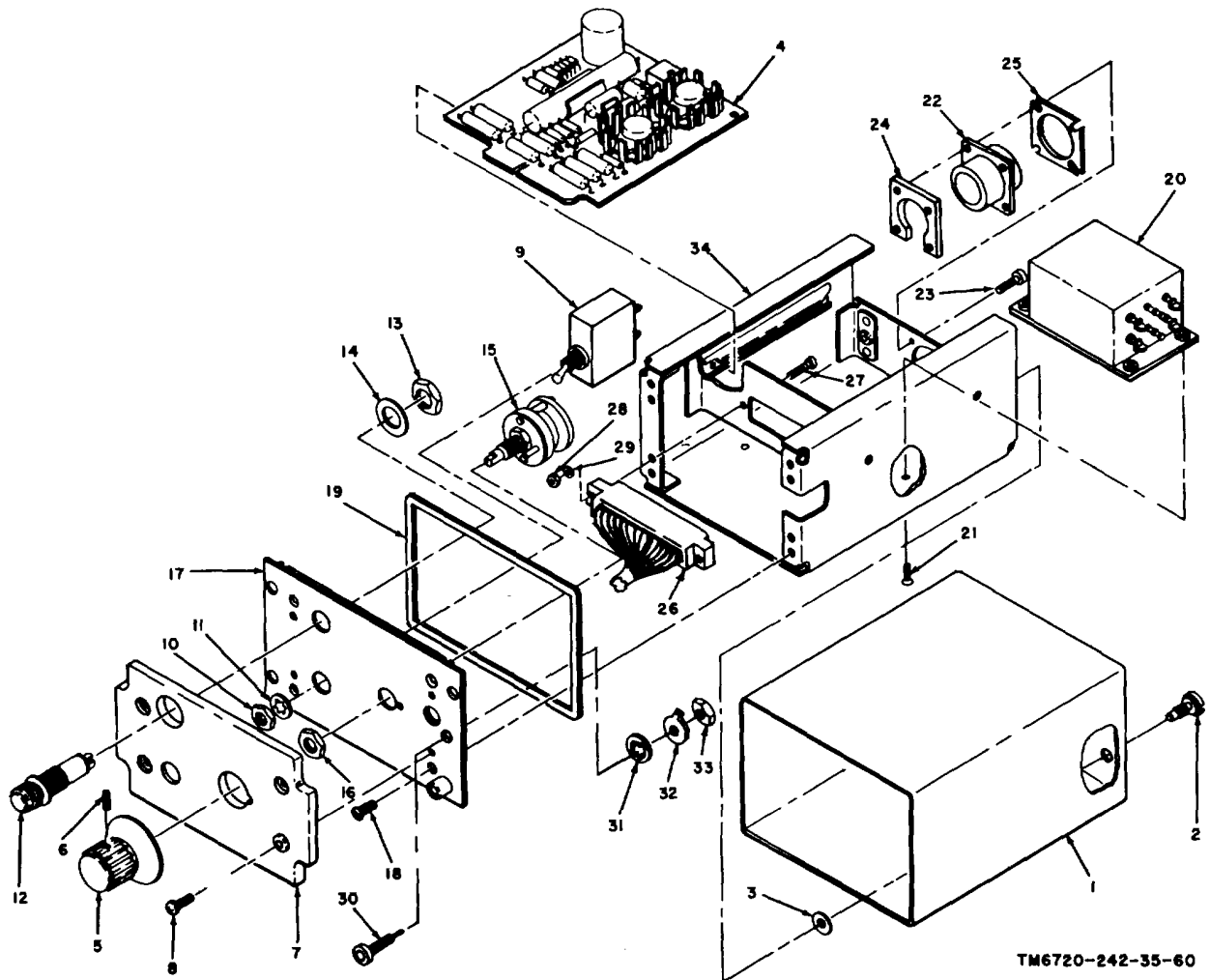
(4) Depress the POWER lamp press-to-test jewel. The lamp lights.

(5) Set the KNOTS PER FOOT switch to 1.4-1.5.

(6) Set the POWER switch to ON. Check to see that the ac input is as set in (3) above. The digital voltmeter reads between 71.68 and 79.22 vdc.

(7) Repeat steps (1) through (6) for the remaining positions of the KNOTS PER FOOT switch in accordance with the following list

KNOTS PER FOOT switch position	V/H Voltage limits
1.2 -1.4	62.10-68.64
1.0 -1.2	50.99-56.35
0.80-1.0	43.01-47.53
0.60-0.80	33.44-36.96
0.40-0.60	23.89-26.41
0.20-0.40	16.96-18.74
0.10-0.20	7.17- 7.93
0.08-0.10	4.24- 4.68
0.06-0.08	3.34- 3.70
0.05-0.06	2.63- 2.91
0.04-0.05	2.12- 2.34



- | | | | | | |
|----|----------------------|----|------------------|----|-------------------------|
| 1 | Cover (MP6) | 13 | Nut (P/O DS1) | 25 | Gasket (MP21) |
| 2 | Screw (MP7) | 14 | Washer (P/O DS1) | 26 | Connector (W1J2) |
| 3 | Washer (MP9) | 15 | Switch (S2) | 27 | Screw (H29-30) |
| 4 | Component (AI) | 16 | Nut (P/O S2) | 28 | Nut (H23-24) |
| 5 | Knob (MPII) | 17 | Plate (MP14) | 29 | Washer (H35-36) |
| 6 | Setscrew (P/O MP11) | 18 | Screw (H5-8) | 30 | Connector (J3) |
| 7 | Faceplate (MP12) | 19 | Gasket (MP15) | 31 | Washer (P/O J3) |
| 8 | Screw (H1-4) | 20 | Filter (FL1) | 32 | Terminal (P/O J3) |
| 9 | Switch (CB1) | 21 | Screw (H17-20) | 33 | Nut (P/O J3) |
| 10 | Nut (P/O CB1) | 22 | Connector (W1J1) | 34 | Chassis (Not available) |
| 11 | Washer (P/O CB1) | 23 | Screw (H31-34) | | |
| 12 | Light assembly (DSI) | 24 | Nut plate (MP22) | | |

Figure 6-5. V/H control panel, exploded view.

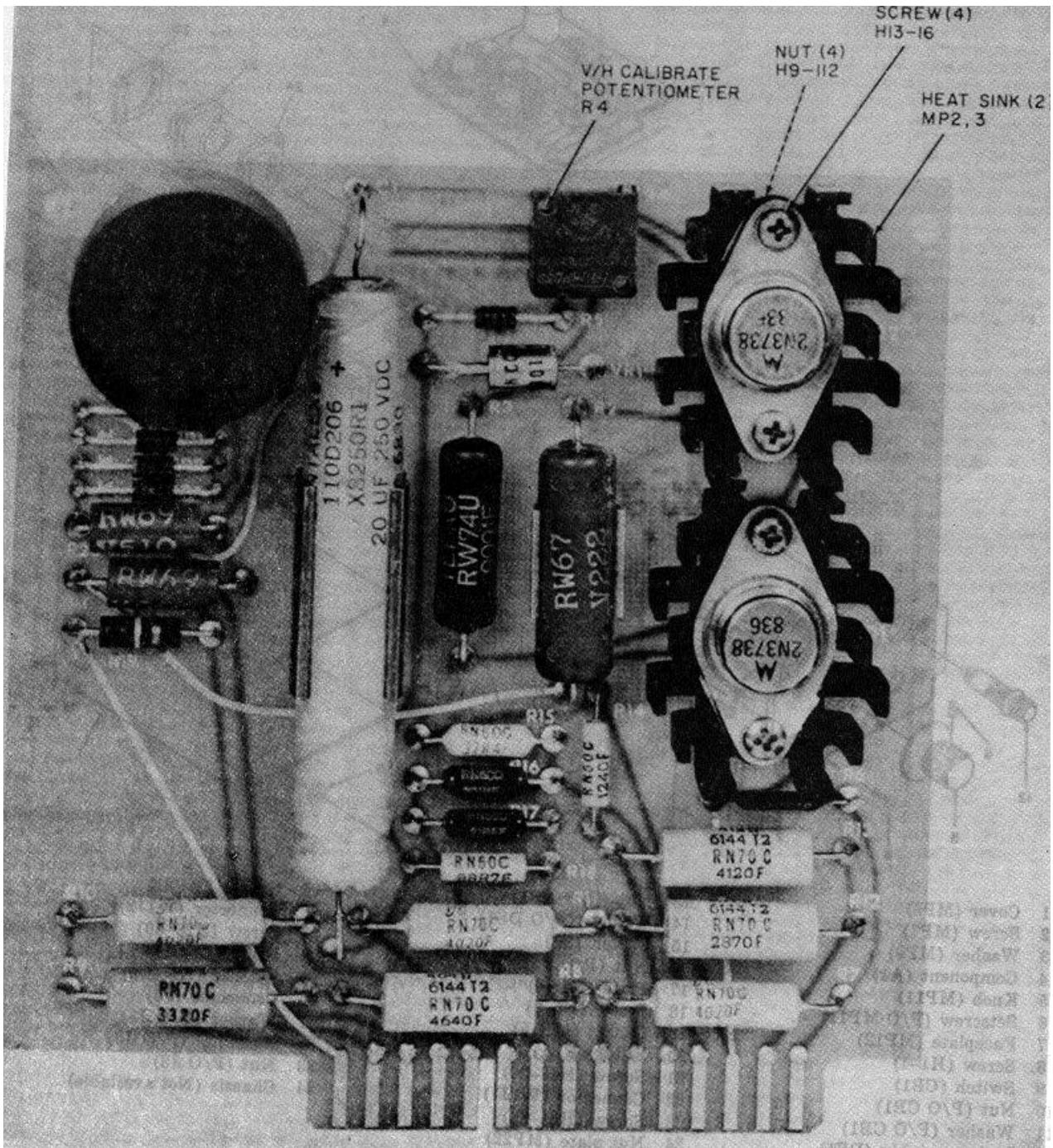
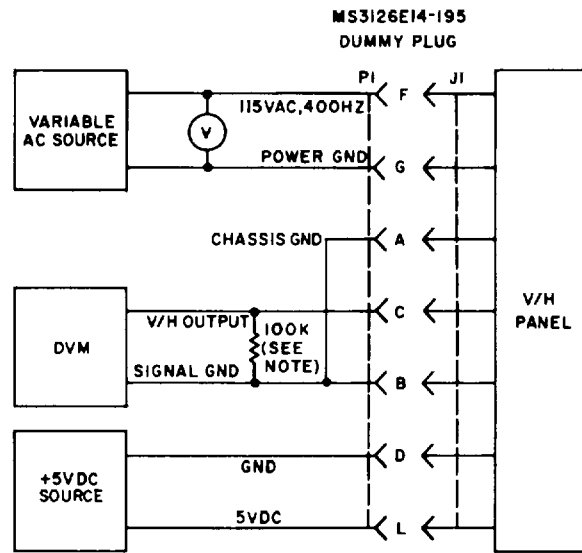
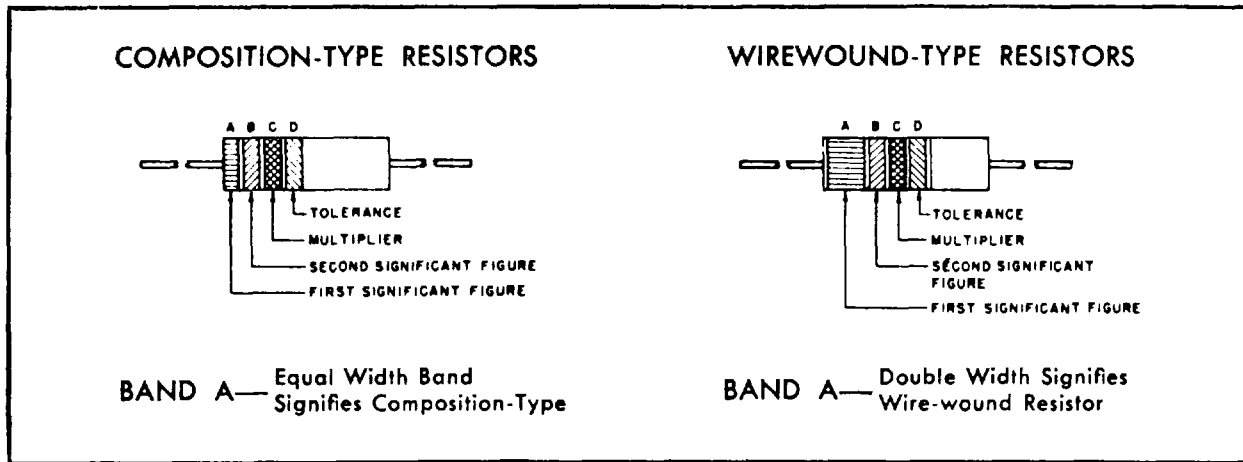


Figure 6-6. V/H board assembly.



NOTE:
USE A 100K, 1/2 WATT, 5% RESISTOR
TM6720-242-35-94

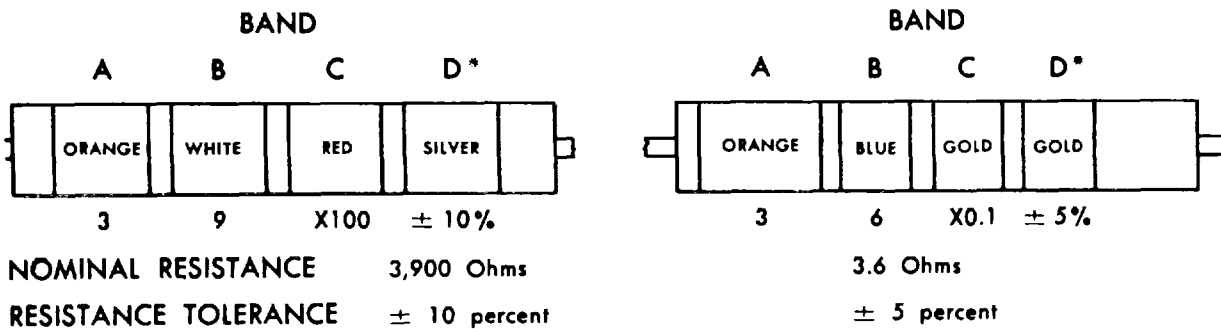
Figure 6-7. V/H control panel, test setup.



COLOR CODE TABLE

BAND A		BAND B		BAND C		BAND D*	
COLOR	FIRST SIGNIFICANT FIGURE	COLOR	SECOND SIGNIFICANT FIGURE	COLOR	MULTIPLIER	COLOR	RESISTANCE TOLERANCE (PERCENT)
BLACK	0	BLACK	0	BLACK	1		
BROWN	1	BROWN	1	BROWN	10		
RED	2	RED	2	RED	100		
ORANGE	3	ORANGE	3	ORANGE	1,000		
YELLOW	4	YELLOW	4	YELLOW	10,000	SILVER	+ 10
GREEN	5	GREEN	5	GREEN	100,000	GOLD	± 5
BLUE	6	BLUE	6	BLUE	1,000,000		
PURPLE (VIOLET)	7	PURPLE (VIOLET)	7				
GRAY	8	GRAY	8	SILVER	0.01		
WHITE	9	WHITE	9	GOLD	0.1		

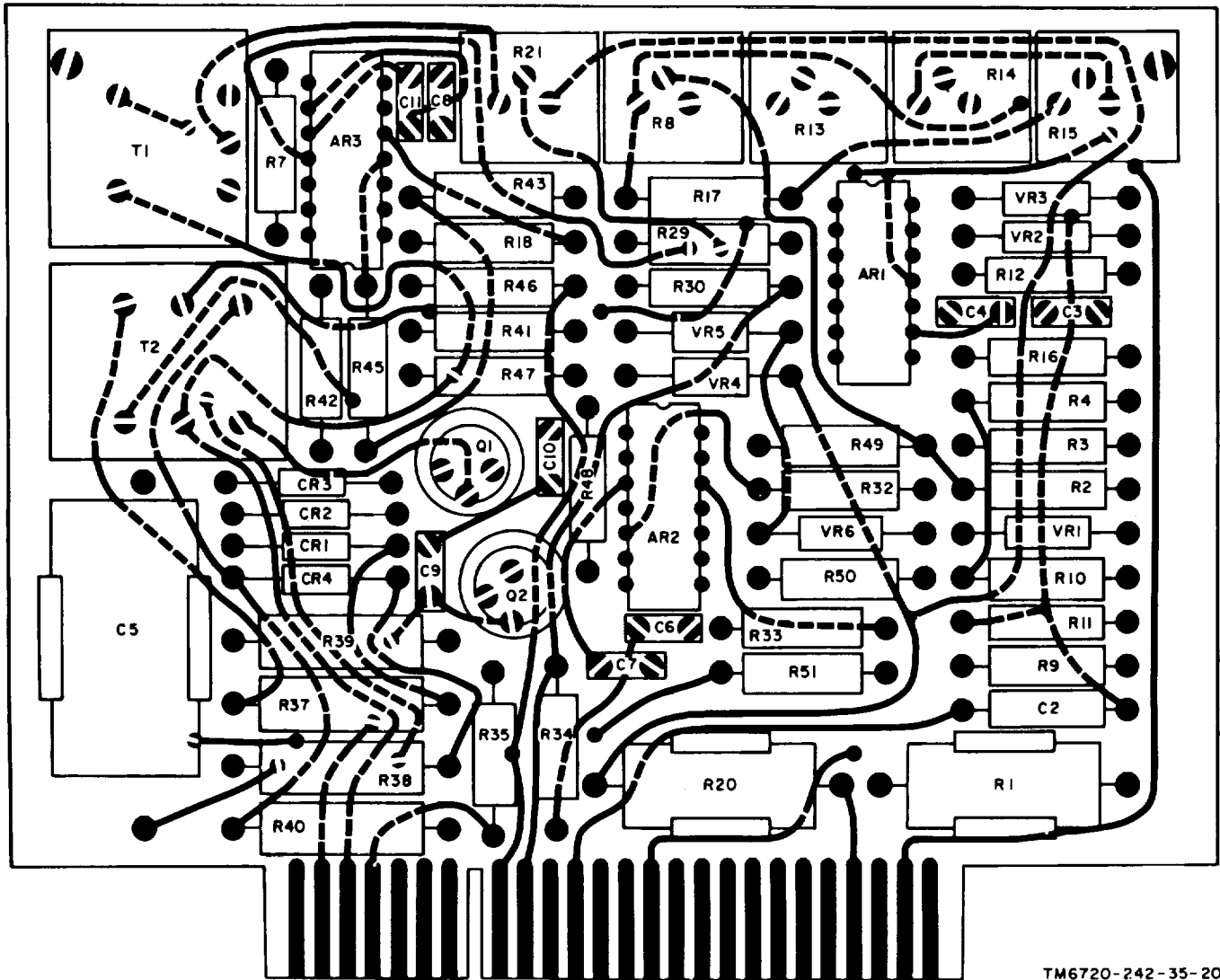
EXAMPLES OF COLOR CODING



*If Band D is omitted, the resistor tolerance is ± 20%, and the resistor is not Mil-Std.

STD-R2

Figure 6-8. Resistor color code.



TM6720-242-35-20

Figure 6-22. Automatic exposure control (aec) board assembly, wiring diagram, front view.

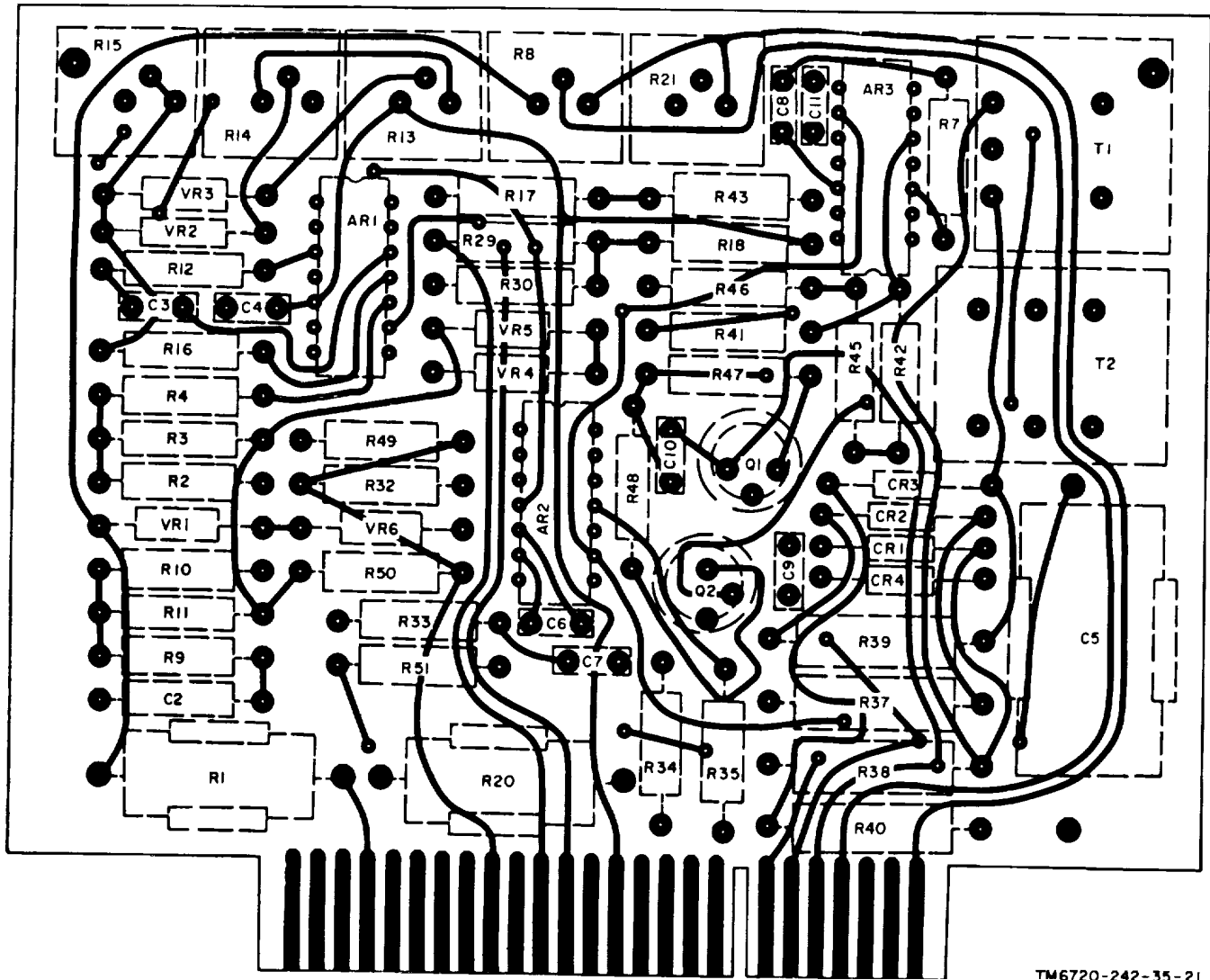


Figure 6-23. Automatic exposure control (aec) board assembly, wiring diagram, rear view.

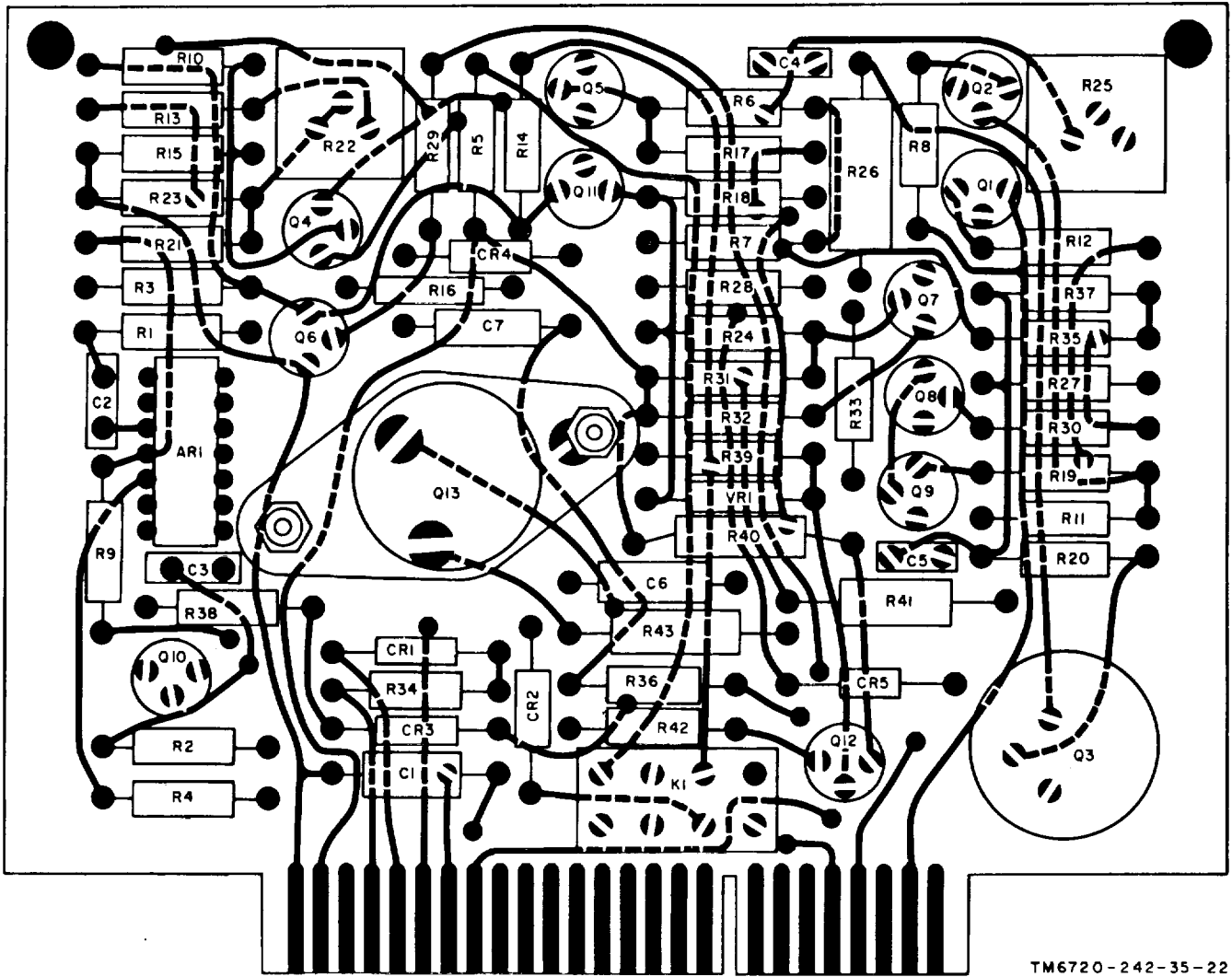
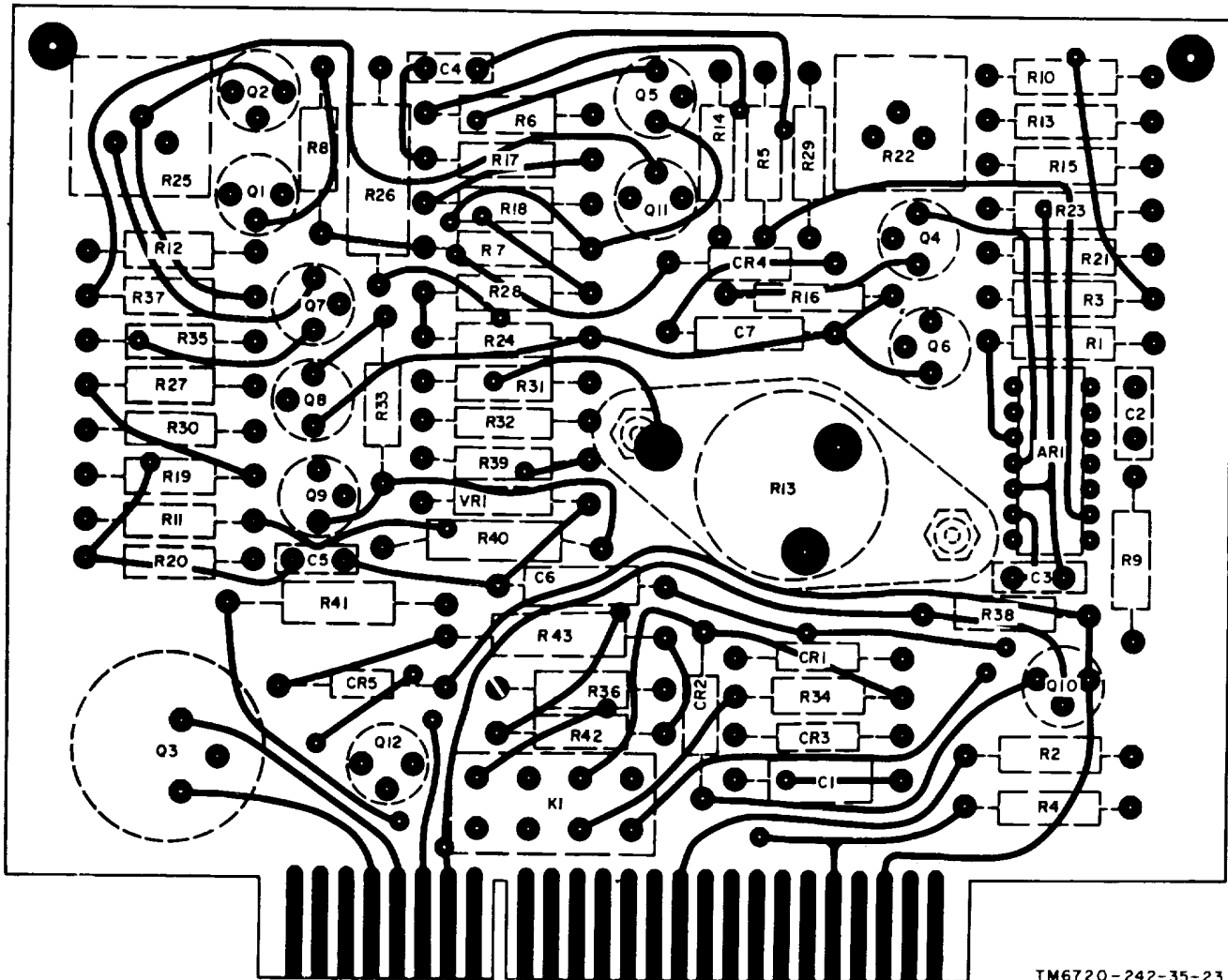
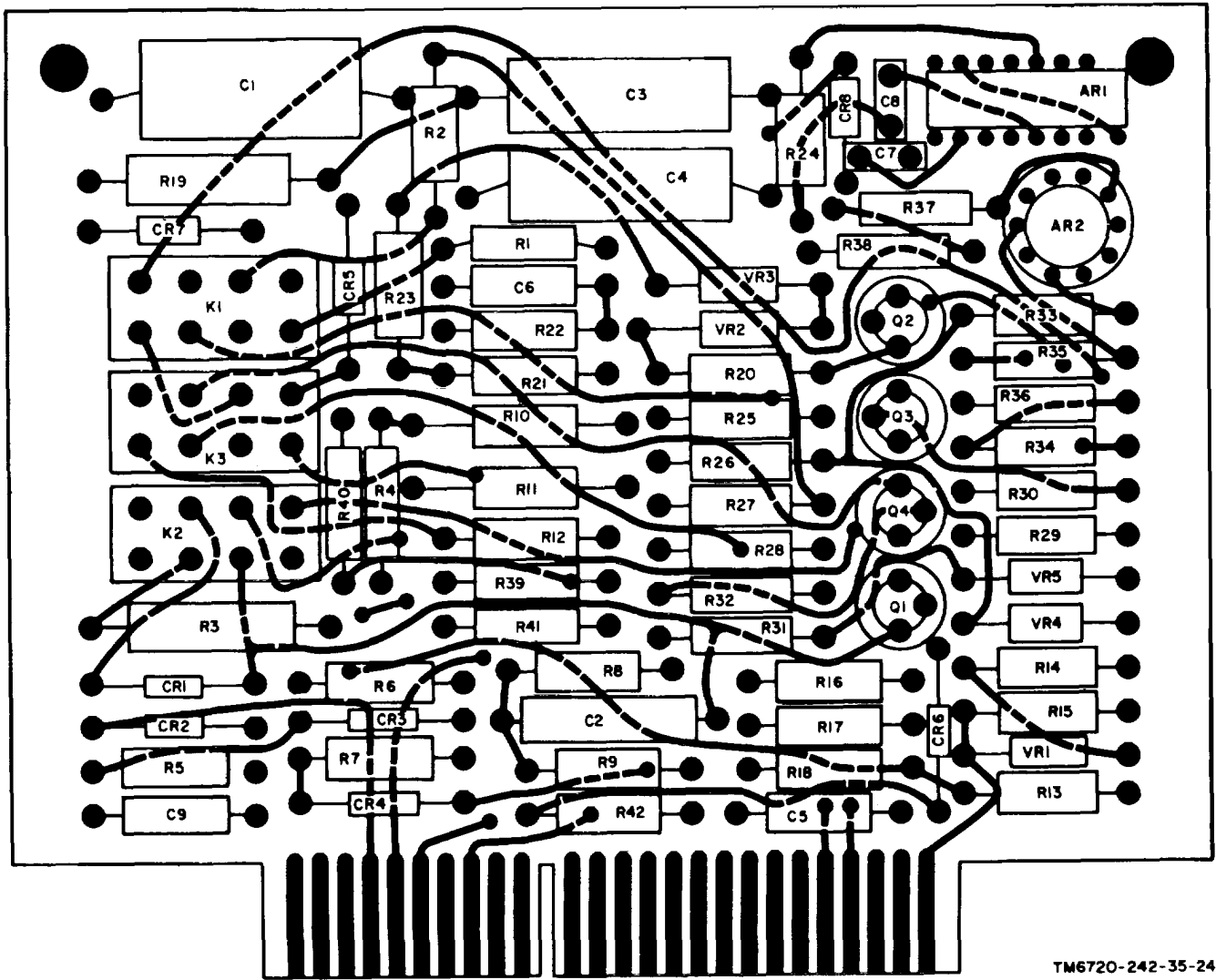


Figure 6-24. Scan board assembly, wiring diagram, front view.



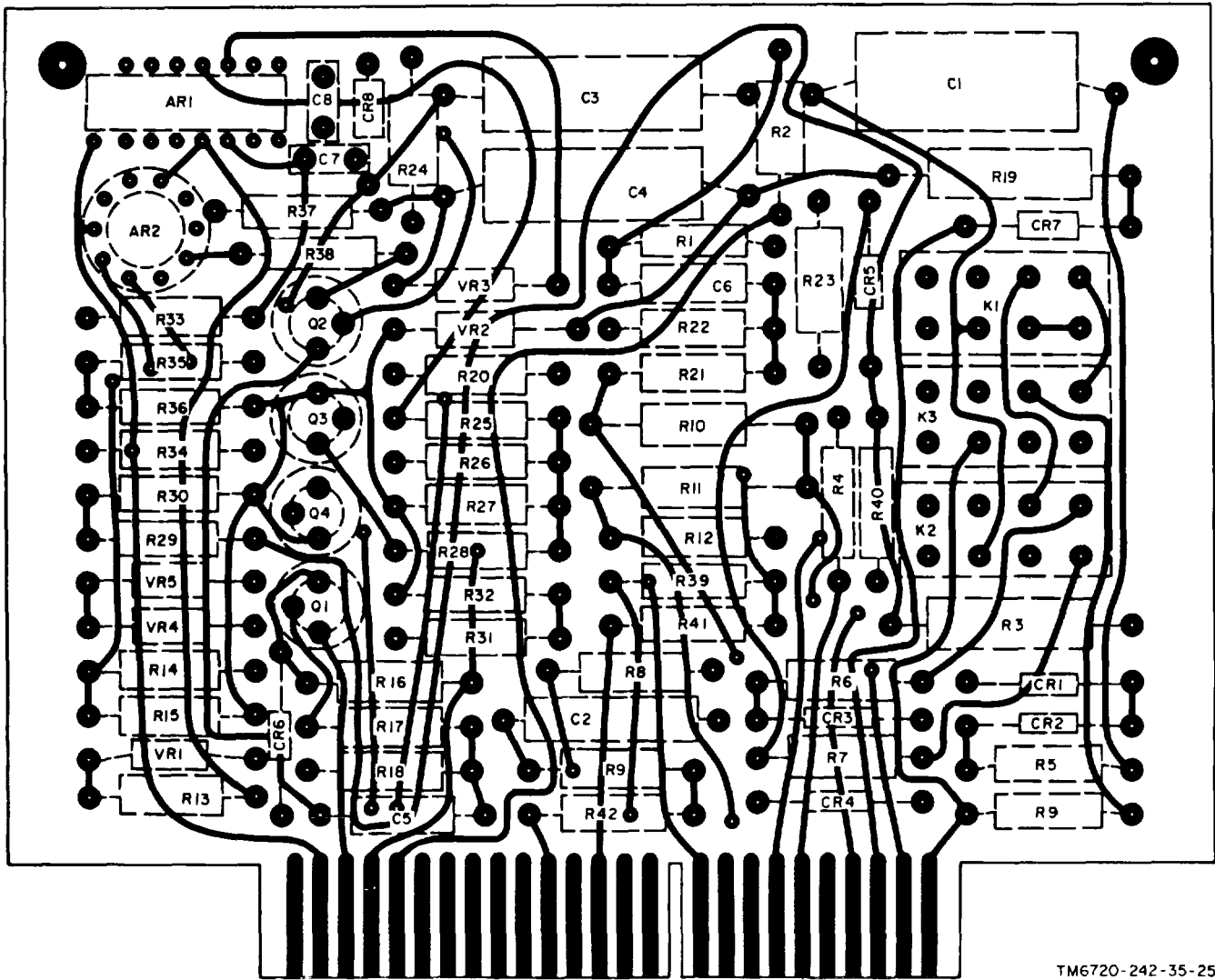
TM6720-242-35-23

Figure 6-25. Scan board assembly, wiring diagram, rear view.



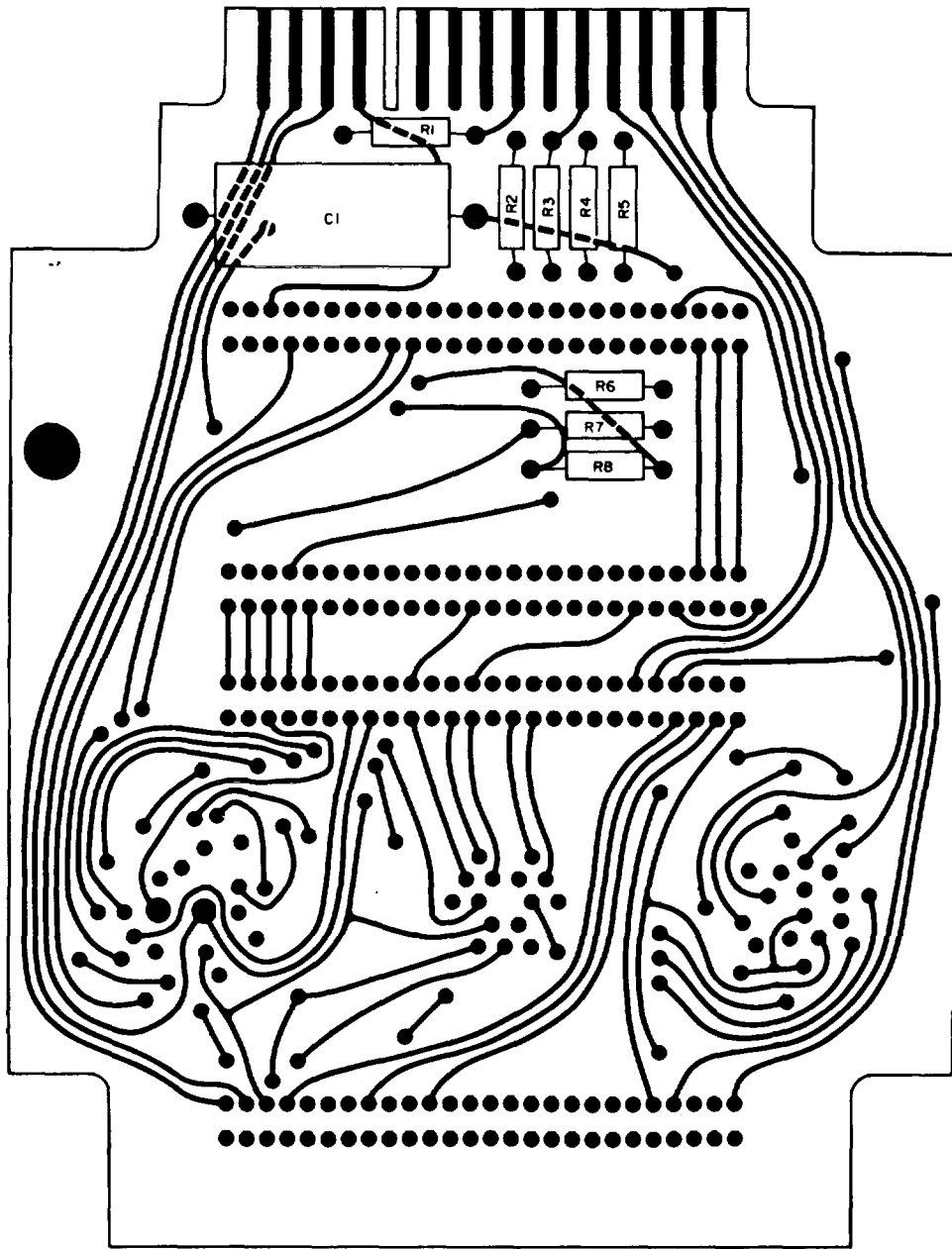
TM6720-242-35-24

Figure 6-26. Scan board assembly, wiring diagram, rear view.



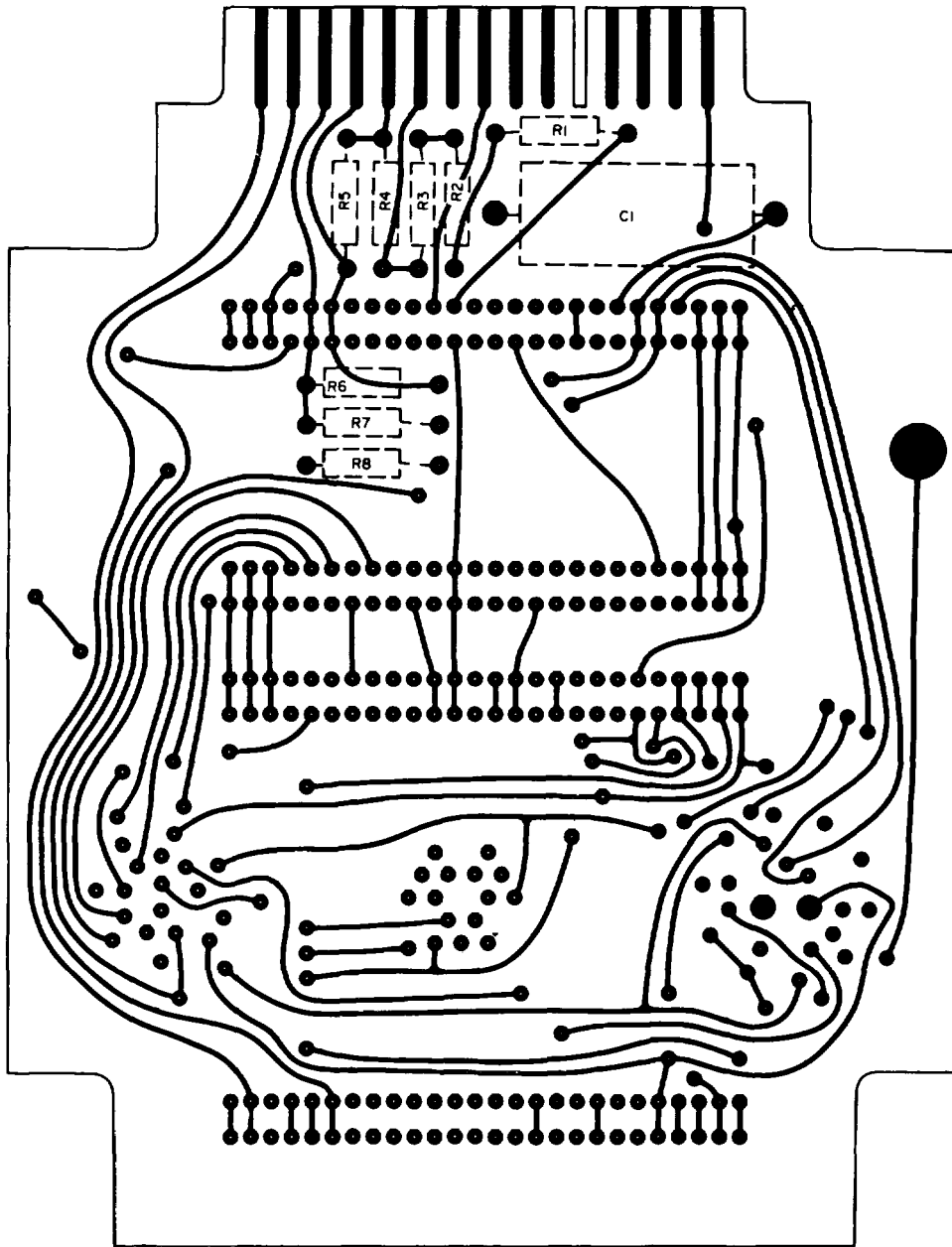
TM6720-242-35-25

Figure 6-27. Control board assembly, wiring diagram, rear view.



TM6720-242-35-26

Figure 6-28. Interconnecting board assembly, wiring diagram, front view.



TM6720-242-35-27

Figure 6-29. Interconnecting board assembly, wiring diagram, rear view.

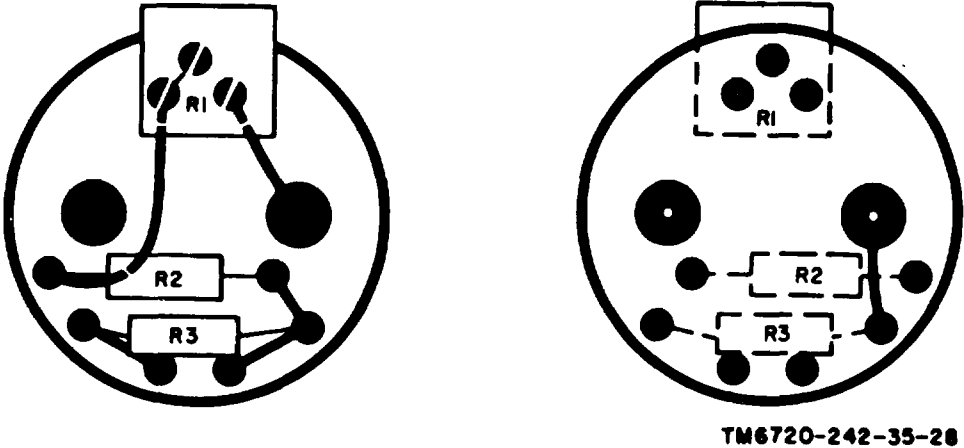
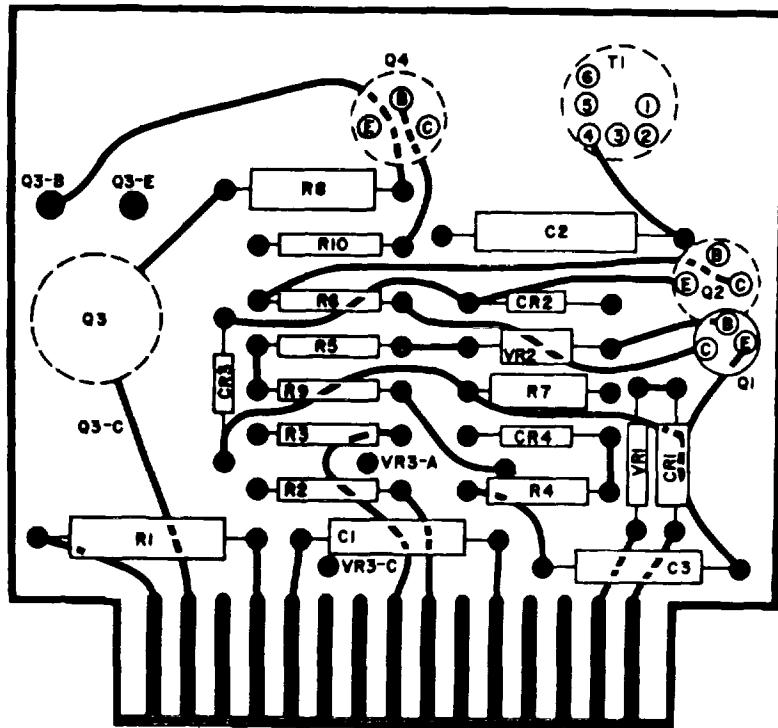
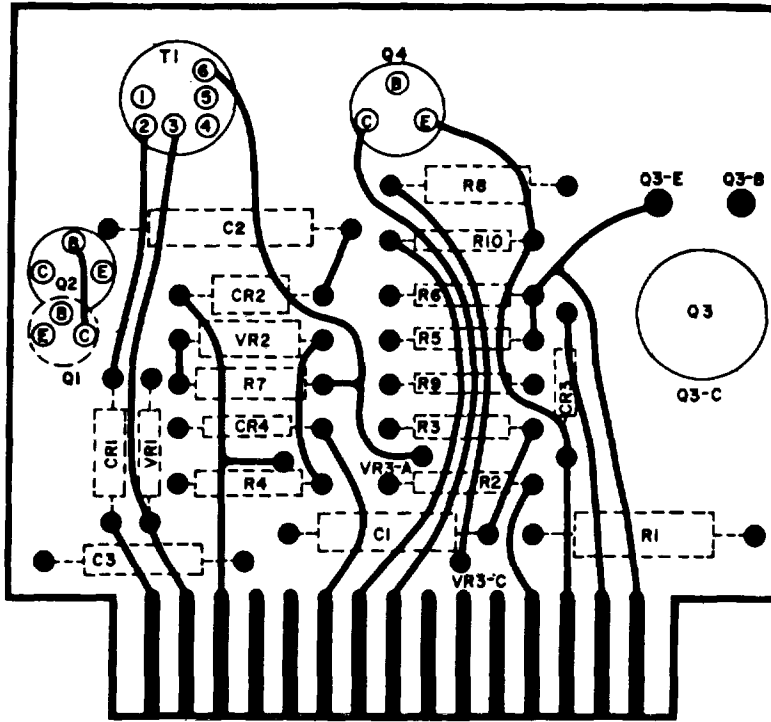
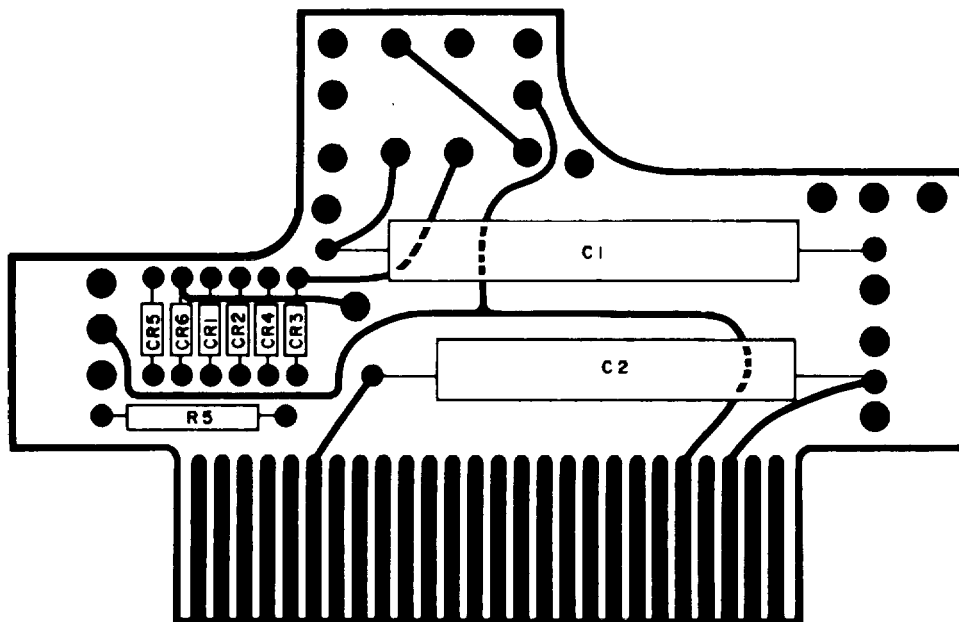
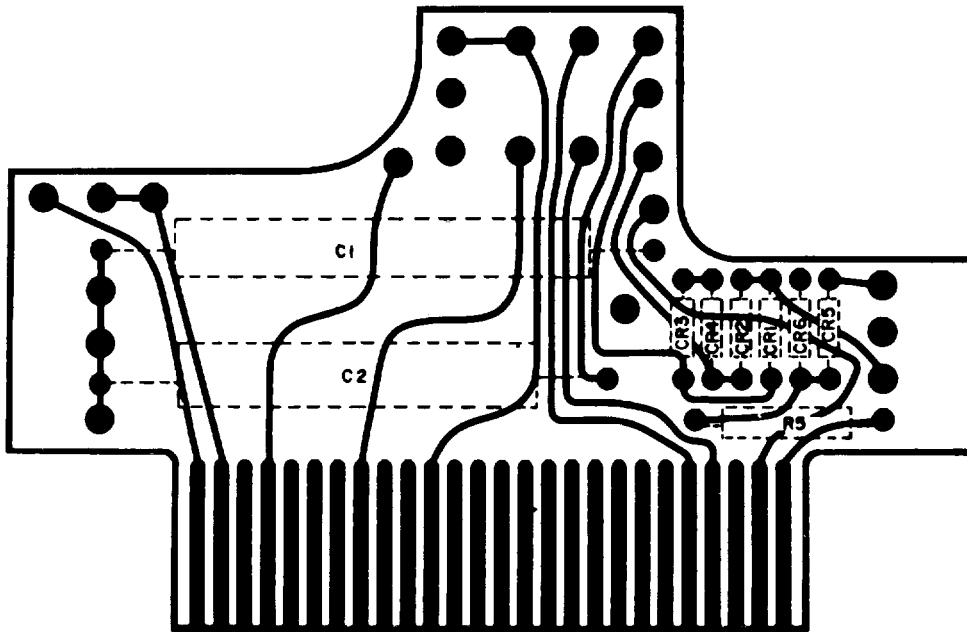


Figure 6-30. Tachometer-generator board assembly, wiring diagram, rear view.



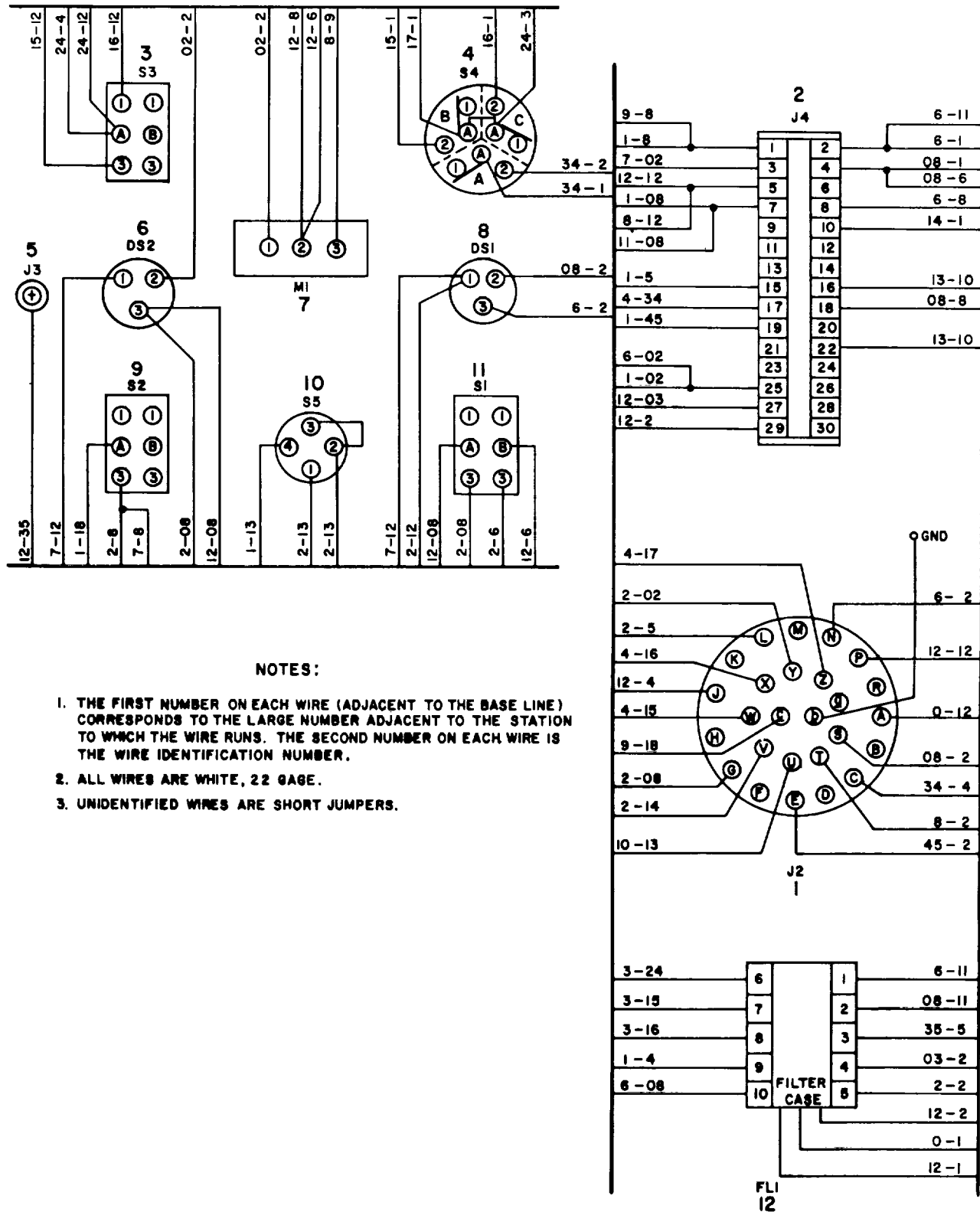
TM6720-242-35-31

Figure 6-31. Interface board assembly, wiring diagram, front and rear views.



TM 6720-242-35-32

Figure 6-32. Power supply board assembly, wiring diagram, front and rear views.



NOTES:

1. THE FIRST NUMBER ON EACH WIRE (ADJACENT TO THE BASE LINE) CORRESPONDS TO THE LARGE NUMBER ADJACENT TO THE STATION TO WHICH THE WIRE RUNS. THE SECOND NUMBER ON EACH WIRE IS THE WIRE IDENTIFICATION NUMBER.
2. ALL WIRES ARE WHITE, 22 GAGE.
3. UNIDENTIFIED WIRES ARE SHORT JUMPERS.

TM6720-242-35-17

Figure 6-33. Control panel, wiring diagram.

- NOTES:
1. ALL WIRES ARE WHITE, 22 GAGE.
 2. UNIDENTIFIED WIRES ARE SHORT JUMPERS.

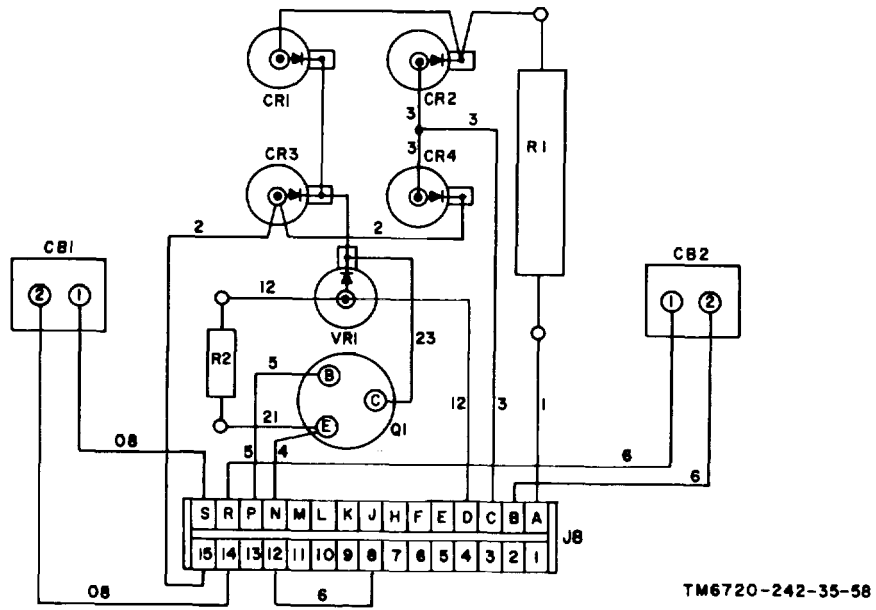
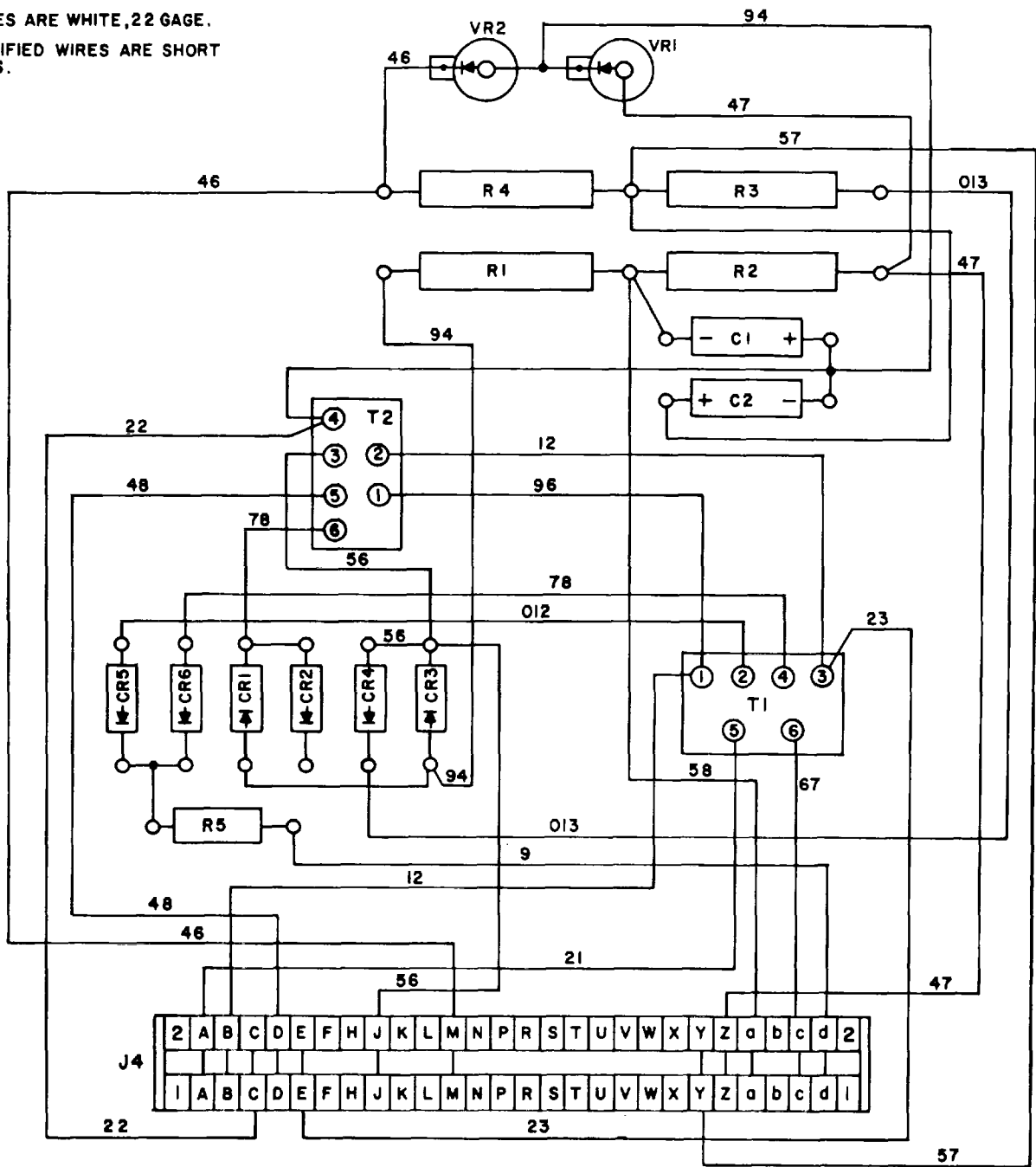


Figure 6-34. Scan heat sink assembly, point-to-point wiring diagram.

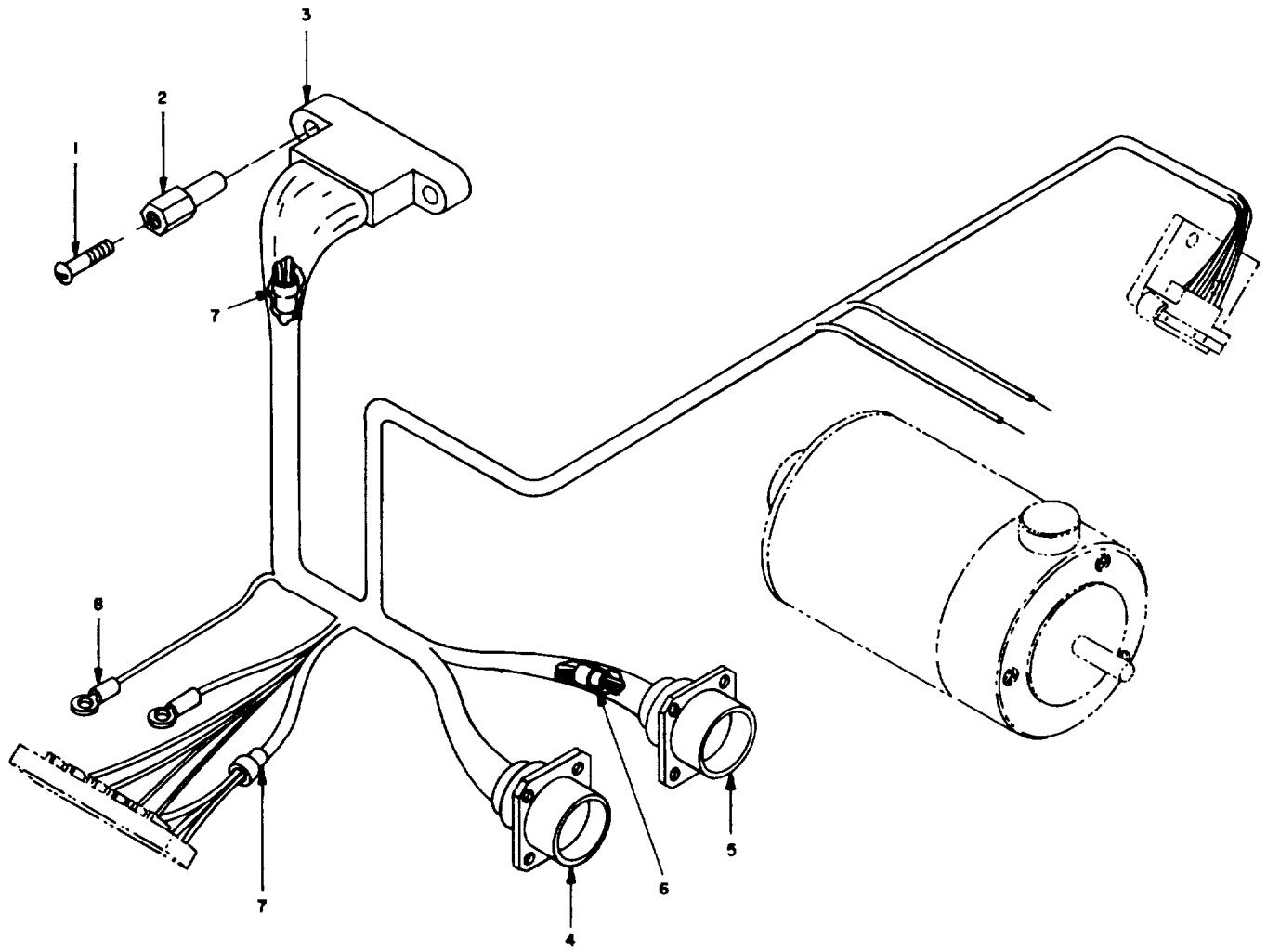
NOTES:

1. ALL WIRES ARE WHITE, 22 GAGE.
2. UNIDENTIFIED WIRES ARE SHORT JUMPERS.



TM6720-242-35-59

Figure 6-35. Power supply assembly, point-to-point wiring diagram.



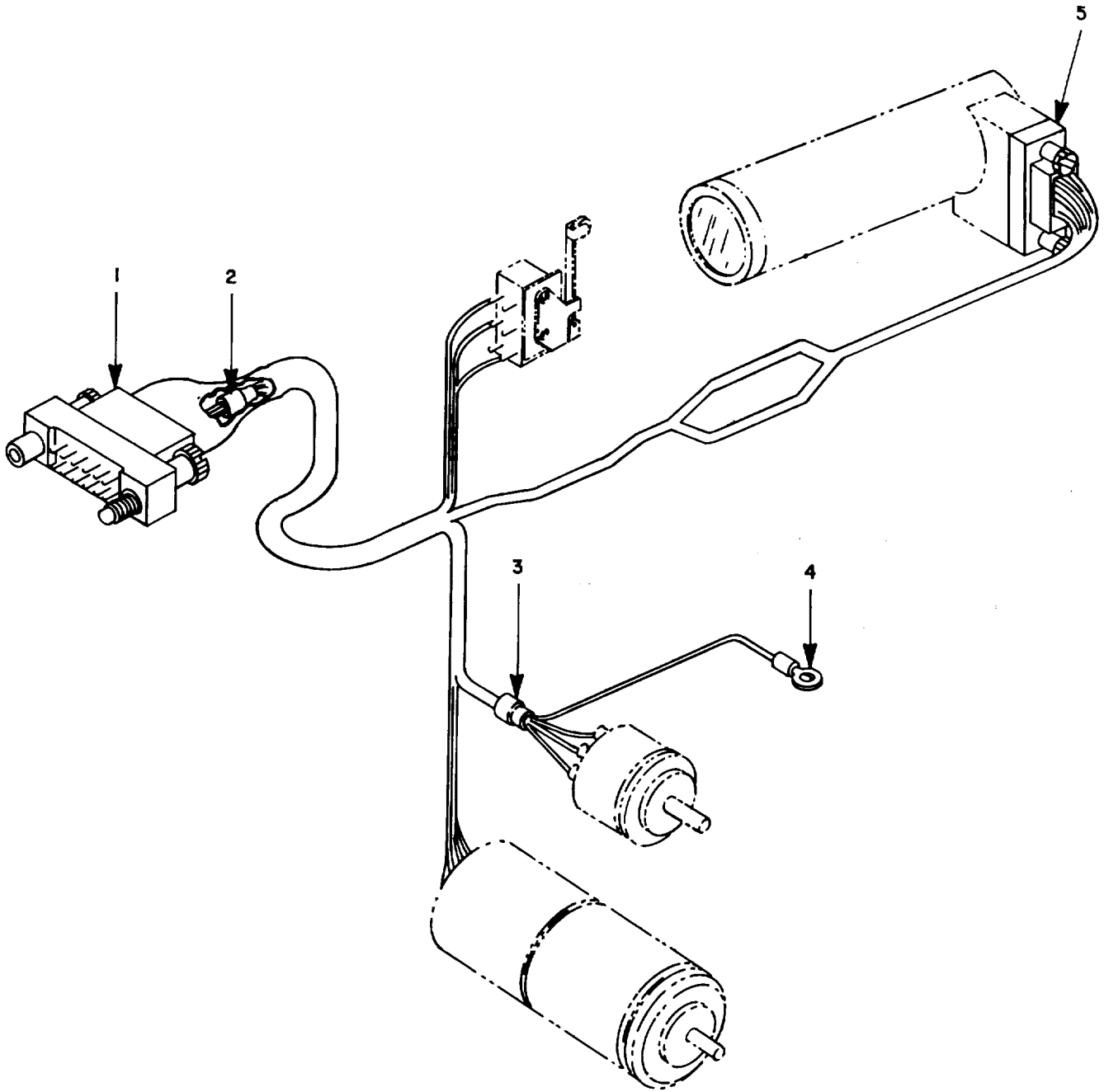
TM6720-242-35-52

- 1 Screw (H219-220)
- 2 Spacer (MP413-414)
- 3 Connector block (W1J3)

- 4 Connector (W1J2)
- 5 Connector (W1J1)
- 6 Ferrule (MP23)

- 7 Ferrule (MP24-25)
- 8 Lug (E1-E4)

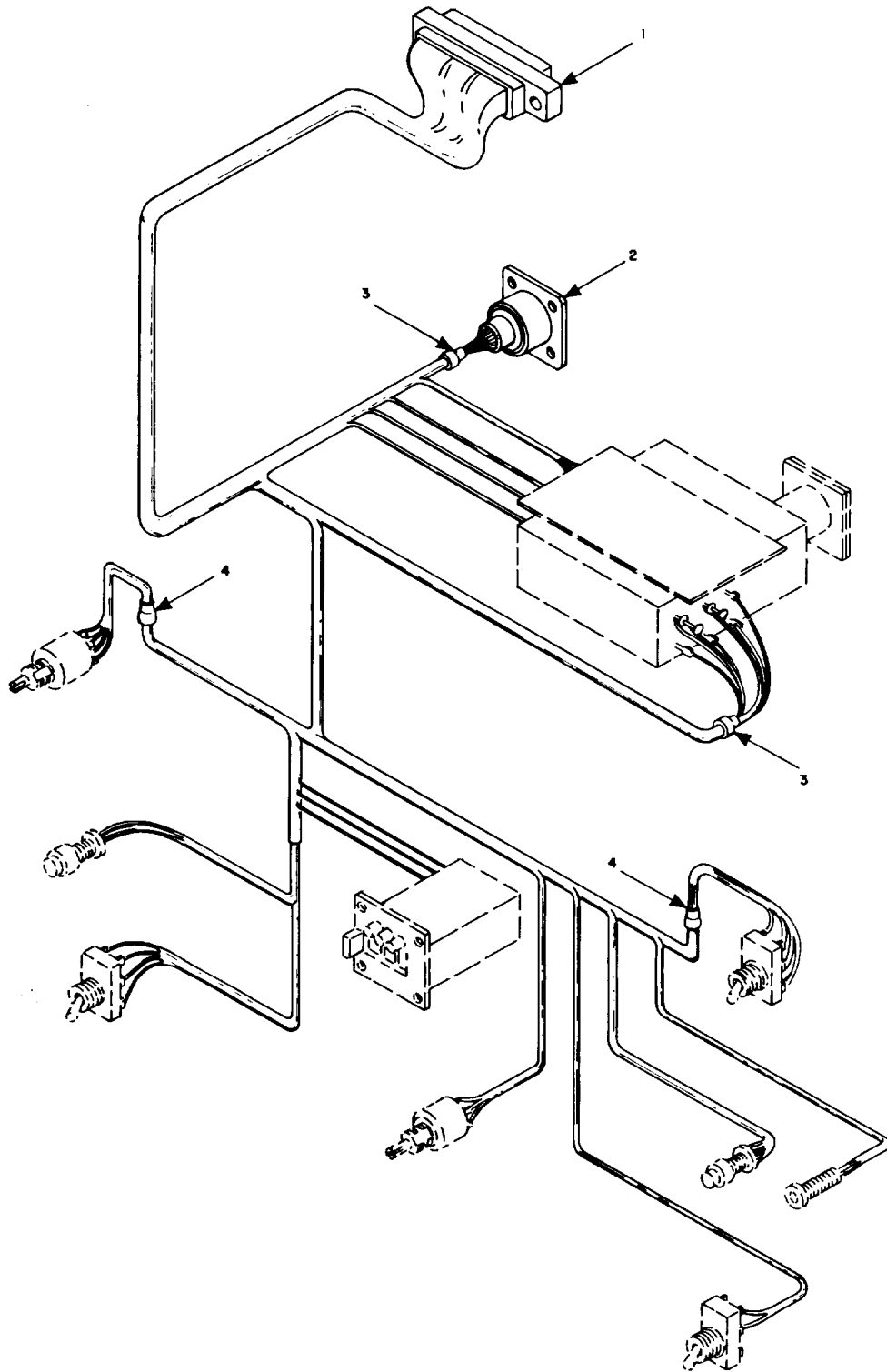
Figure 6-37. Body, wiring harness.



- | | | | | | |
|---|------------------------|---|-----------------|---|------------------|
| 1 | Connector block (W1P3) | 3 | Ferrule (MP27) | 5 | Connector (WIP1) |
| 2 | Ferrule (MIP26) | 4 | Terminal (W1E1) | | |

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Figure 6-38. Automatic exposure control (aec), wiring harness.



- 1 Connector J4 (W1J4)
- 2 Ferrule (W1J2)

- 3 Ferrule (MP2629)
- 4 Terminal (MP30-31)

Figure 6-39. Control panel, wiring diagram.

APPENDIX A**REFERENCES**

The following publications contain information applicable to the maintenance of the Camera, Still Picture KA-60C.

DA Pam 310-4	Index of Technical Manuals, Technical Bulletins, Supply Manuals (types 7, 8, and 9), Supply Bulletins, and Lubrication Orders.
SB 11-573	Painting and Preservation Supplies Available for Field Use for Electronics Command Equipment.
TB SIG 355-1	Depot Inspection Standard for Repaired Signal Equipment.
TB SIG 355-2	Depot Inspection Standard for Refinishing Repaired Signal Equipment.
TB 746-10	Field Instructions for Painting and Preserving Electronics Command Equipment.
TM 11-401	Elements of Signal Photography.
TM 11-6625-444-15	Operator's, Organizational, DS, GS, and Depot Maintenance Manual: Digital Voltmeter AN/GSM-64.
TM 11-6625-535-15	Operator, Organizational, DS, GS, and Depot Maintenance Manual: Oscilloscope AN/USM-140A.
TM 11-6625-700-10	Operator's Manual: Digital Readout, Electronic Counter AN/USM-207.
TM 11-6760-244-12	Operator's and Organizational Maintenance Manual Including Repair Parts and Special Tool Lists: Test Set, Camera LS-86A.

APPENDIX B

DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT
MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LIST

Section I. INTRODUCTION

B-1. Scope

This appendix lists repair parts, special tools and test equipment required for the performance of direct support, general support, and depot maintenance of Camera, Still Picture KA-60C.

B-2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. Repair Parts for Direct Support, General Support, and Depot Maintenance-Section II. A list of repair parts authorized for the performance of maintenance at the direct support, general support, and depot level.

b. Special Tools, Test and Support Equipment Section III. A list of special tools, test, and support equipment authorized for the performance of maintenance at the direct support, general support, and depot level.

c. Index-Federal Stock Number and Reference Number Cross Reference to Figure and Item Number or Reference Designation-Section IV. A list of Federal stock numbers in ascending numerical sequence, followed by a list of reference numbers in ascending alphanumeric sequence, cross-referenced to the illustration figure number and reference designation.

d. Index-Reference Designation Cross Reference to Page Number-Section V. A list of reference designations cross-referenced to page numbers.

B-3. Explanation of Columns

The following provides an explanation of columns in the tabular lists:

a. Source, Maintenance, and Recoverability Codes (SMR), Column 1:

(1) Source code indicates the selection status and source for the listed item. Source codes are:

- | <i>Code</i> | <i>Explanation</i> |
|-------------|---|
| P | Repair parts which are stocked in or supplied from the GS/DSA, or Army supply system, and authorized for the use at indicated maintenance categories. |
| P2 | Repair parts which are procured and stocked for insurance purposes because the combat or military essentially of the end item dictates that a minimum quantity be available in the supply system. |
| P9 | Assigned to items which are NSA design controlled: unique repair parts, special tools, test, measuring and diagnostic equipment, which are stocked and supplied by the Army COMSEC provisions of AR 380-41. |
| P10 | Assigned to items which are NSA design controlled special tools, test, measuring and diagnostic equipment for COMSEC support, which are accountable under the provisions of AR 380-41, and which are stocked and supplied by the Army COMSEC logistic system. |
| M | Repair parts which are not procured or stocked but are to be manufactured at indicated maintenance levels. |
| A | Assemblies which are not procured or stocked as such, but are made up of two or more units. Such component units carry individual stock numbers and descriptions, are procured and stocked separately and can be assembled to form the required assembly at indicated maintenance categories. |
| X | Parts and assemblies which are not procured or stocked and the mortality of which normally is below that of the applicable end item or component. |

<i>Code</i>	<i>Explanation</i>
	The failure of such part or assembly should result in retirement of the end items from the supply system.
X1 -	Repair parts which are not procured or stocked. The requirement for such items will be filled by use of the next higher assembly or component.
X2 -	Repair parts which are not stocked. The indicated maintenance category requiring such repair parts will attempt to obtain same through cannibalization. Where such repair parts are not obtainable through cannibalization, requirements will be requisitioned, with accompanying justification, through normal supply channels.
G -	Major assemblies that are procured with PEMA funds for initial issue only as exchange assemblies at DSU and GSU level. These assemblies will not be stocked above DS and GS level or returned to depot supply level.

(2) Maintenance code indicates the lowest category of maintenance authorized to install the listed item. The maintenance level codes are:

<i>Code</i>	<i>Explanation</i>
O-----	Organizational maintenance
F-----	Direct support maintenance
H-----	General support maintenance
D-----	Depot maintenance

(3) Recoverability code indicates whether unserviceable items should be returned for recovery or salvage. Items not coded are expendable. Recoverability codes are:

<i>Code</i>	<i>Explanation</i>
R -	Repair parts and assemblies that are economically repairable at DSU and GSU activities and are normally furnished by supply on an exchange basis.
S -	Repair parts and assemblies which are economically repairable at DSU and GSU activities and which normally are furnished by supply on an exchange basis. When items are determined by GSU to be uneconomically repairable, they will be evacuated to a depot for evaluation and analysis before final disposition.
T -	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.

<i>Code</i>	<i>Explanation</i>
U -	Repair parts specifically selected for salvage by reclamation units because of precious metal content, critical materials, or high dollar value reusable casings or castings.
	<i>b. Federal Stock Number, Column 2.</i> This column indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.
	<i>c. Description, Column 3.</i> This column indicates the Federal item name and any additional description of the item required. A part number or other reference number is followed by the applicable five-digit Federal supply code for manufacturers in parentheses.
	<i>d. Unit of Measure (U/M), Column 4.</i> A two character alphabetic abbreviation indicating the amount or quantity of the item upon which the allowances are based, e.g., ft, ea, pr, etc.
	<i>e. Quantity Incorporated in Unit, Column 5.</i> This column indicates the quantity of the item used in the assembly group. Subsequent appearances of the same item in the same assembly are indicated by the letters "REF."
	<i>f. Allowances 30-Day DS/GS Maintenance, 1 Year Per Equipment (Contingency), and Depot Maintenance, Columns 6, 7, 8 and 9.</i> Items authorized for requisition as required are identified by an asterisk in the allowance column.
	<i>g. Illustrations, Column 10.</i> This column is divided as follows: <ol style="list-style-type: none"> (1) Figure number, column 10a. Indicates the figure number of the illustration in which the item is shown. (2) Item number or reference designation, column 10b. Indicates the reference designation used to identify the item in the illustration.

B-4. Location of Repair Parts

a. This appendix contains two cross-reference indexes (sec IV and V) to be used to locate a repair part when either the Federal stock number, reference number (manufacturer's part number), or reference designation is known. The first column in each index is prepared in numerical or alphanumeric sequence in ascending order. Where a Federal stock number is not listed, refer to the reference number (manufacturer's part number) immediately following the last listed Federal stock number.

b. When the Federal stock number or reference number is known, follow the procedure

given in (1) and (2) below.

(1) Refer to the index of Federal stock numbers (sec IV) and locate the Federal stock number or reference number. The Federal stock number or reference number is cross-referenced to the applicable figure and reference designation.

(2) When the reference designation is determined, refer to the reference designation index (sec V). The reference designations are listed in numerical ascending order and are cross-referenced to the page number on which they appear in the repair parts list (sec II). Refer to the page number noted in the index and locate the reference designation (co1 10b).

c. When the reference designation is known, follow the procedures given in b(2) above.

d. When neither the Federal stock number, reference number, nor reference designation is known, identify the part in the illustration and follow directions given in c above; or scrutinize column 3 of the repair parts list (sec II).

B-5. Federal Supply Code for Manufacturers

<i>Code</i>	<i>Manufacturer</i>	<i>Code</i>	<i>Manufacturer</i>
		16941	Longlok Industrial Fastener Division of Whittaker Corp.
		18915	Birtcher Corp., The Industrial Division
		21335	Fafnir Bearing Co., The Division of Textron, Inc.
		23266	Superior Electromechanical Component Service, Inc.
		46384	Penn Engineering and Mfg. Corp.
		56289	Sprague Electric Co.
		59730	Thomas and Betts Co., The
		61463	Uniroyal, Inc.
		71279	Cambridge Thermionic Corp.
		71286	Rex Chainbelt, Inc. Camloc Division
		71785	Cinch Mfg. Co. Howard B. Jones Div.
		72314	Fairchild Space and Defense Systems a Div. of Fairchild Camera and Instrument Corp.
00141	Pic Design Corp.	72619	Dialight Corp.
00348	Microtran Co., Inc.	72794	Dzus Fastener Co., Inc.
05820	Wakefield Engineering, Inc.	80205	National Aerospace Standards
07047	Ross Milton Co., The	81073	Grayhill, Inc.
09922	Burndy Corp.	81349	Military Specifications
10012	Space Products, Inc.	83086	New Hampshire Ball Bearing, Inc.
10581	Magnetico, Inc.	85252	Duffy, J. P. Co.
12881	Metex Corp.	88044	Aeronautical Standards
14140	Edison Electronics Div. McGraw Edison	91929	Honeywell, Inc. Micro Switch Division
16512	Fabritex, Inc. National Connector Div.	92830	Wallace Barnes Div. of Associated Spring Corp.
		94222	Southco, Inc.
		95238	Continental Connector Corp.
		95987	Weckesser Co., Inc.
		96881	Thomson Industries, Inc.
		96906	Military Standards

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SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT PACK	(6) QTY INC IN UNIT	(7) 30-DAY DS MAINT ALLOWANCE			(8) 30-DAY GS MAINT ALLOWANCE			(9) 1 YR ALW PER EQUIP CNTGCV	(10) DEPOT MAINT ALW PER 100 EQUIP	(11) ILLUSTRATIONS		
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.	
		REFERENCE NUMBER & MFR. CODE														
	6720-840-7610	CAMERA, STILL PICTURE KA-60C (THIS ITEM IS NONEXPENDABLE)														
P-O-S	6760-413-4392	CARRYING CASE, CAMERA 1214-353 (72314)	EA	1	*	*	*	*	*	*	*	*	*			
G-O-S	6720-890-7608	BODY, CAMERA LA-411A 1214B1 (72314)	EA	1												1A1
M-D		ACTUATOR, SWITCH 1214-380 (72314)	EA	1										3-4		1A1MP1
P-F	5305-054-5635	SCREW, MACHINE MS51957-1 (96906)	EA	1	*	*	*	*	*	*	*	*	*	3-4		1A1H1
P-H	6720-112-8775	ARM, COUNTERWEIGHT 1214-3 (72314)	EA	1				*	*	*	*	*	*	3-4		1A1MP2
P-H	6720-107-4414	ARM, COUNTERWEIGHT 1214-4 (72314)	EA	1				*	*	*	*	*	*	3-4		1A1MP3
P-F-R	6720-107-4423	AUTOMATIC EXPOSURE CONTACT ASSEMBLY 121485 (72114)	EA	1	*	*		*	*	*	*	*	*	3-4		1A1A1
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)	EA	6				*	*	*	*	*	*	3-4		1A1H2
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)	EA	REF				*	*	*	*	*	*	3-4		1A1H3
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)	EA	REF				*	*	*	*	*	*	3-4		1A1H4
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)	EA	REF				*	*	*	*	*	*	3-4		1A1H5
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)	EA	REF				*	*	*	*	*	*	3-4		1A1H6
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)	EA	REF				*	*	*	*	*	*	3-4		1A1H7
P-H	5930-832-4163	ADAPTER, SWITCH ACTUATOR JS246 (91929)	EA	1				*	*	*	*	*	*	3-3		1AA1MP4
P-H	6720-107-4403	ARM, CAM FOLLOWER 1214-1 (72314)	EA	1				*	*	*	*	*	*	3-3		1A1A1MP5
P-H	5305-182-7337	SCREW, SHOULDER 1214-10 (72314)	EA	1				*	*	*	*	*	*	3-3		1A1A1H8
M-D		BAFFLE, LIGHT 1214-379 (72314)	EA	1										3-3		A1A1MP6
P-H	6720-107-4404	BLADE, CAPPING 1214-69 (72314)	EA	1				*	*	*	*	*	*	3-3		1A1A1MP7
P-H	6760-071-9362	BLADE, DIAPHRAGM 1193-80 (72314)	EA	1				*	*	*	*	*	*	3-3		1A1A1MP8
P-H	6720-107-4419	BLADE, DIAPHRAGM 1214-252 (72314)	EA	1				*	*	*	*	*	*	3-3		1A1A1MP9
P-H	6720-107-4426	BLADE, SHUTTER 1214-26 (72314)	EA	1				*	*	*	*	*	*	3-3		1A1A1MP10
P-S1	6720-107-4421	BRACKET, SWITCH 1214-50 (72314)	EA	1				*	*	*	*	*	*	3-3		1A1A1MP11
P-H		BEARING, BALL, ANNULAR SFR1445PPK25 (83086)	EA	4				*	*	*	*	*	*	3-3		1A1A1MP12
P-H		BEARING, BALL, ANNULAR SFR1445PPK25 (83086)	EA	REP				*	*	*	*	*	*	3-3		1A1A1MP13
P-H		BEARING, BALL, ANNULAR SFR1445PPK25 (81086)	EA	REP				*	*	*	*	*	*	3-3		1A1A1MPI4
P-H		BEARING, BALL, ANNULAR SFR1445PPK25 (83086)	EA	REF				*	*	*	*	*	*	3-3		1A1A1MP15
P-H	3110-722-0999	BEARING, BALL, ANNULAR SFR1555PPK25 (83086)	EA	2				*	*	*	*	*	*	3-3		1A1A1MP16
P-H	3110-722-0999	BEARING, BALL, ANNULAR SFR1555PPK25 (83086)	EA	REF				*	*	*	*	*	*	3-3		1A1A1MP17
P-H	5815-980-7174	BEARING, BALL, ANNULAR SPR1663MMN25 (83086)	EA	2				*	*	*	*	*	*	3-3		1A1A1MP18
P-H	5815-980-7174	BEARING, BALL, ANNULAR SFR1663MMK25 (83086)	EA	REF				*	*	*	*	*	*	3-3		1A1A1MP19

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCTY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.
INDEX NO		REFERENCE NUMBER & MFR. CODE	USABLE ON CODE											
P-H	3110-019-6390	BEARING, BALL, ANNULAR SH144PPK25 (83086)	EA	1				*	*	*	*	*	3-3	1A1A1MP20
P-H		BEARING, BALL, ANNULAR SR1665PPK25 (83086)	EA	2				*	*	*	*	*	3-3	1A1A1MP21
P-H		BEARING, BALL, ANNULAR SR1665PPK25 (83086)	EA	REF				*	*	*	*	*	3-3	1A1A1MP22
P-H	6720-107-4420	BEARING, PLATE ASSEMBLY 1214B17 (72314)	EA	1				*	*	*	*	*	3-3	1A1A1MP23
P-H	5305-054-5647	SCREW, MACHINE 14551957-13 (96906)	EA	12				*	*	*	*	*	3-3	1A1A1H9
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H10
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H11
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H12
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H13
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H14
P-R	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H15
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-3	1A1AH16
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H17
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H18
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H19
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H20
P-H	3120-182-8261	BUSHING, SLEEVE 1214-67 (72314)	EA	2				*	*	*	*	*	3-3	1A1A1MP24
P-H	3120-182-8261	BUSHING, SLEEVE 1214-67 (72314)	EA	REF				*	*	*	*	*	3-3	1A1A1MP25
P-H	6720-107-4406	CAM, FOLLOWER 1214-11 (72314)	EA	2				*	*	*	*	*	3-3	1A1A1MP26
P-H	6720-107-4406	CALM, FOLLOWER 1214-11 (72314)	EA	REF				*	*	*	*	*	3-3	1A1A1MP27
P-H	6720-112-8780	CAM, SHAFT ASSEMBLY 1214B36 (72314)	EA	1				*	*	*	*	*	3-3	1A1A1MP28
X1-H		CAM, GEAR ASSEMBLY 1214I19 (72314)	EA	1									3-3	1A1A1MP29
P-H	5315-841-5416	PIN, STRAIGHT, HEADLESS MS516555-606 (96906)	EA	1				*	*	*	*	*	3-3	1A1A1MP30
X1-H		SHAFT, SHOULDER 1214-57 (72314)	EA	1									3-3	1A1A1MP31
P-H	6720-018-9479	CAPPING LINK ASSEMBLY 1414B35 (72314)	EA	1				*	*	*	*	*	3-3	1A1A1MP32
X2-H	3110-019-6390	BEARING, BALL, ANNULAR SR144PPK25 (83086)	EA	1										1A1A1MP33
X1-H		BEARING, BALL, ANNULAR SR2-5PPK25 (83086)	EA	1										1A1A1MP34
X1-H		LINK, CAPPING 1214-66 172314)	EA	1										1A1A1MP35
X1-H		PIN, SHOULDERED READLESS 1214-188 (72314)	EA	1										1A1A1MP36
X1-H		PIN, SHOULDERED, HEADLESS 1214-189 (72314)	EA	1										1A1A1MP37
P-H	5340-804-6895	RING, RETAINING 1MS16624-1012 (96906)	EA	1				*	*	*	*	*	3-4	1A1A1MP38

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCTY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
					(a)	(b)	(c)	(a)	(b)	(c)			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.
					1-20	21-50	51-100	1-20	21-50	51-100				
X1-H		SHIM S1265P003A167 (72314)	EA	2										1A1A1MP39
X1-H		SHIM S1265P003A187 (72314)	EA	REF										1A1A1MP40
P-H	5310-595-6211	WASHER, FLAT MS 15795-803 (96906)	EA	1				*	*	*	*	*	3-4	1A1A1H21
P-H	6720-107-4410	CARRIAGE ASSEMBLY 1214B34 (72314)	EA	1				*	*	*	*	*	3-3	1A1A1MP41
P-H	5305-054-6653	SCREW, MACHINE MS51957-29 (96906)	EA	5				*	*	*	*	*	3-3	1A1A1H22
P-H	5305-054-6653	SCREW, MACHINE MS51957-29 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H23
P-H	5305-054-6653	SCREW, MACHINE M551957-29 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H24
P-H	5305-054-6653	SCREW, MACHINE MS51957-29 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H25
P-H	5305-054-6653	SCREW, MACHINE MS51957-29 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H26
P-F-T	6720-419-3127	RECORDING HEAD, ASSEMBLY, AYA-5 1214-396 (72314)	EA	1	*	*	*	*	*	*	*	*	3-3	1A1A1V1
P-F-T	6720-419-3126	RECORDING HEAD, ASSEMBLY, AYA-10 1214-418 (72314)	EA	1	*	*	*	*	*	*	*	*	3-3	1A1A1V1
P-F	6720-107-4407	CLAMP ASSEMBLY 1214B42 (72314)	EA	2	*	*	*	*	*	*	*	*	3-3	1A1A1MP42
P-F	6720-107-4407	CLAMP ASSEMBLY 1214B42 (72314)	EA	REF	*	*	*	*	*	*	*	*	3-3	1A1A1MP43
P-F	5340-168-7033	CLAMP, CATHODE RAY TUBE 1214-60 (72314)	EA	1	*	*	*	*	*	*	*	*	3-3	1A1A1MP44
P-F	5340-057-9979	CLAMP, LOOP NAS1397RB (80205)	EA	1	*	*	*	*	*	*	*	*	3-3	1A1A1MP45
P-F	5340-811-9169	CLAMP, LOOP NAS1397R6B (80205)	EA	1	*	*	*	*	*	*	*	*		1A1A1MP46
P-F	5310-934-9748	NUT, PLAIN, .HEXAGON MS35649-244 (96906)	EA	1	*	*	*	*	*	*	*	*	3-3	1A1A1H27
P-F	5305-770-2579	SCREW, MACHINE MS51959-15 (9690b)	EA	1	*	*	*	*	*	*	*	*	3-3	1A1A1H28
P-F	5310-672-2178	WASHER, SADDLE D4-128 (95987)	EA	2	*	*	*	*	*	*	*	*	3-3	1A1A1H29
P-F	5310-672-2178	WASHER, SADDLE D4-128 (95987)	EA	REF	*	*	*	*	*	*	*	*	3-3	1A1A1H30
P-F	5340-105-6899	CLAMP, RIM CLENCHING CG141A (23266)	EA	3	*	*	*	*	*	*	*	*	3-3	1A1A1MP47
P-F	5340-105-6899	CLAMP, RIM CLENCHING CG141A (23266)	EA	REF	*	*	*	*	*	*	*	*	3-3	1A1A1MP48
P-F5340-105-6899		CLAMP, RIM CLENCHING CG141A (23266)	EA	REF	*	*	*	*	*	*	*	*	3-3	1A1A1MP49
P-F	5305-054-5637	SCREW, MACHINE MS51957-3 (96906)	EA	3	*	*	*	*	*	*	*	*	3-3	1A1A1H31
P-F	5305-054-5637	SCREW, MACHINE MS51957-3 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-3	1A1A1H32
P-F	5305-054-5637	SCREW, MACHINE MS51957-3 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-3	1A1A1H33
P-F	3010-497-1621	CLUTCH, FRICTION 1214-119 (72314)	EA	1	*	*	*	*	*	*	*	*	3-3	1A1A1MP50
P-H	3010-165-6806	GEARCASE, MOTOR 1214-8 (72314)	EA	1				*	*	*	*	*	3-3	1A1A1MP51
P-H	6760-074-3229	GUIDE, BLADE 1193-72 (72314)	EA	1				*	*	*	*	*	3-3	1A1A1MP52
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	5				*	*	*	*	*	3-3	1A1A1H34
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H35

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCV	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H36
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H37
P-H	6720-106-7877	GUIDE, FILM 1214-53 (72314)	EA	REF				*	*	*	*	*	3-3	1A1A1H38
P-H	6720-106-7877	GUIDE, FILM 1214-53 (72314)	EA	2				*	*	*	*	*		1A1A1MP53
X1-H		HOUSING, AUTOMATIC EXPOSURE CONTROL 1214-24 (72314)	EA	REF				*	*	*	*	*		1A1A1MP54
P-H	6760-111-6788	LENS, MIRROR 760-33 (72314)	EA	1									3-3	1A1A1MP55
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	1				*	*	*	*	*	3-3	1A1A1MP56
P-H	6760-074-3235	LENS, OPTICAL INSTRUMENT 780-122 (72314)	EA	1				*	*	*	*	*	3-3	1A1A1H39
P-F	5305-054-6652	SCREW, MACHINE MS51957-28 (96906)	EA	1				*	*	*	*	*	3-3	1A1AMP57
P-F	5305-054-6652	SCREW, MACHINE MS51957-28 (96906)	EA	4	*	*	*	*	*	*	*	*	3-3	1A1A1H41
P-F	5305-054-6652	SCREW, MACHINE MS51957-28 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-3	1A1A1H42
P-F	5305-054-6652	SCREW, MACHINE MS51957-28 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-3	1A1A1H43
P-H	6720-111-6784	LINK, DIAPHRAGM 1214-56 (72314)	EA	REF				*	*	*	*	*	3-3	1A1A1MP58
P-H	5315-948-4420	PIN, STRAIGHT, HEADLESS F79-3-8 (72314)	EA	1				*	*	*	*	*	3-3	1A1A1MP59
P-H	5315-948-4420	PIN, STRAIGHT, HEADLESS F79-3-8 (72314)	EA	2				*	*	*	*	*	3-3	1A1A1MP60
P-H	5315-817-0889	PIN, STRAIGHT, HEADLESS M516555-601 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1MP61
P-H	5315-817-0889	PIN, STRAIGHT, HEADLESS PL516555-601 (96906)	EA	2				*	*	*	*	*	3-3	1A1A1MP62
P-H	5315-168-7077	PIN, STRAIGHT, HEADLESS 1214-51 (72314)	EA	REF				*	*	*	*	*	3-3	1A1A1MP63
P-H	6720-106-7878	PIVOT, PLATE ASSEMBLY 1214818 (72314)	EA	1				*	*	*	*	*	3-3	1A1A1MP64
M-D		PLATE 1214-349 (72314)	EA	1									3-3	1A1A1MP65
P-H	6720-112-8779	PLATE, FOCAL PLATE 1214-37 (72314)	EA	1				*	*	*	*	*	3-3	1A1A1MP66
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	1	*	*	*	*	*	*	*	*	3-3	1A1A1H44
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	4	*	*	*	*	*	*	*	*	3-3	1A1A1H45
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-3	1A1A1H46
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-3	1A1A1H47
X2-H		PLATE, NUT 1214-58 (72314)	EA	REF									3-3	1A1A1MP67
P-H	5905-076-4292	RESISTOR, VARIABLE 119-2 (72314)	EA	1				*	*	*	*	*	3-3	1A1A1R1
P-H	5340-804-6895	RING, RETAINING MS16624-1012 (96906)	EA	1				*	*	*	*	*	3-3	1A1A1MP68
P-H	5340-804-6895	RING, RETAINING MS16624-1012 (96906)	EA	5				*	*	*	*	*	3-3	1A1A1MP69
P-H	5340-804-6895	RING, RETAINING MS16624-1012 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1MP70

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCV	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.
P-H	5340-804-6895	RING, RETAINING MS16624-1012 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1MP72
P-H	5340-804-6895	RING, RETAINING MS16624-1012 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1MP73
P-H	5340-720-6896	RING, RETAINING MS16624-1015 (96906)	EA	1				*	*	*	*	*	3-3	1A1A1MP73
P-H	5340-721-8187	RING, RETAINING M516624-1018 (96906)	EA	4				*	*	*	*	*	3-4	1A1A1MP75
P-H	5340-721-8187	RING, RETAINING MS16624-1018 (96906)	EA	REF				*	*	*	*	*	3-4	1A1A1MP75
P-H	5340-721-8187	RING, RETAINING MS16624-1018 (96906)	EA	REF				*	*	*	*	*	3-4	1A1A1MP76
P-H	5340-543-3981	RING, RETAINING MS16633-4009 (96906)	EA	1				*	*	*	*	*		1A1A1MP78
P-H	5305-820-6895	SETSCREW AN565AC2H4 (88044)	EA	1				*	*	*	*	*	3-3	1A1A1MP79
P-H	5305-297-4005	SETSCREW AN565DC4H3 (88044)	EA	2				*	*	*	*	*	3-3	1A1A1MP80
P-H	5305-297-4005	SETSCREW AN565DC4H3 (88044)	EA	REF				*	*	*	*	*	3-3	1A1A1MP81
P-H	5305-616-8539	SETSCREW AN565EC4H3 (88044)	EA	1				*	*	*	*	*	3-3	1A1A1MP82
P-H		SCREW, MACHINE LL57J40P4E (16941)	EA	1				*	*	*	*	*	3-3	1A1A1MP83
P-H	6720-106-7879	SHAFT ASSEMBLY 1214B20 (72314)	EA	1				*	*	*	*	*		1A1A1MP84
X1-H		ACTUATOR 1214-49 (72114)	EA	1									3-3	1A1A1MP85
X2-H	5315-579-1543	PIN, SPRING F137-1-4LV (72314)	EA	1									3-3	1A1A1MP86
X1-H		SHAFT, STRAIGHT 1214-48 (72314)	EA	1									3-3	1A1A1MP87
P-H	3040-419-9031	SHAFT, BUSHING 1214-28 (96881)	EA	1				*	*	*	*	*	3-3	1A1A1MP88
P-H	3040-493-8678	SHAFT, STRAIGHT PSP87182000 (72314)	EA	1				*	*	*	*	*	3-3	1A1A1MP89
M-D		SHAFT, STRAIGHT 1214-351 (72314)	EA	1									3-3	1A1A1MP90
P-H	6720-112-8765	SHIM, SET 1193-718-5 (72314)	EA	1				*	*	*	*	*		1A1A1MP91
X1-H		SHIM 1193-718-1 (72314)	EA	1									3-3	1A1A1MP92
X1-H		SHIM 1193-718-2 (72314)	EA	1									3-3	1A1A1MP93
X1-H		SHIM 1193-718-3 (72314)	EA	1									3-3	1A1A1M4P94
X1-H		SHIM 1193-718-4 (72314)	EA	1									3-3	1A1A1MP95
P-H	6720-112-8764	SHIM, SET 1193-720-4 (72314)	EA	1				*	*	*	*	*		1A1A1MP96
X1-H		SHIM 1193-720-1 (72314)	EA	1									3-3	1A1A1MP97
X1-H		SHIM 1193-720-2 (72314)	EA	1									3-3	1A1A1MP98
X1-H		SHIM 1193-720-3 (72314)	EA	1									3-3	1A1A1MP99
P-H	5365-168-7041	SHIM 1214-273 (72314)	EA	1				*	*	*	*	*	3-3	1A1A1MP100
P-H	6720-112-8761	SHIM, SET 1214-62-5 (72314)	EA	1				*	*	*	*	*		1A1A1MP101

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCTY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
					(a)	(b)	(c)	(a)	(b)	(c)			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.
					1-20	21-50	51-100	1-20	21-50	51-100				
X1-H		SHIM 1214-62-1 (72314)	EA	1								3-3	1A1A1MP102	
X1-H		SHIM 1214-62-2 (72314)	EA	1								3-3	1A1A1MP103	
X1-H		SHIM 1214-62-3 (72314)	EA	1								3-3	1A1A1MP104	
X1-H		SHIM 1214-62-4 (72314)	EA	1								3-3	1A1A1MP105	
P-H	6720-112-8759	SHIM, SET 1214-63-5 (72314)	EA	1				*	*	*	*		1A1A1MP106	
X1-H		SHIM 1214-63-1 (72314)	EA	1								3-3	1A1A1MP107	
X1-H		SHIM 1214-63-2 (72314)	EA	1								3-3	1A1A1MP108	
X1-H		SHIM 1214-63-3 (72314)	EA	1								3-3	1A1A1MP109	
X1-H		SHIM 1214-63-4 (72314)	EA	1								3-3	1A1A1MP110	
P-H	5365-168-7045	SPACER, SLEEVE 52505P048F437 (72314)	EA	1				*	*	*	*	3-3	1A1A1MP111	
P-H	5360-168-7081	SPRING, HELICAL, COMPRESSION 1214-171 (72314)	EA	1				*	*	*	*	3-3	1A1A1MP112	
P-H	5360-168-7153	SPRING, HELICAL, COMPRESSION 1214-354 (72314)	EA	1				*	*	*	*	3-3	1A1A1MP113	
P-H		SPRTNG, HELICAL, COMPRESSION 1214-295 (72314)	EA	1				*	*	*	*	3-3	1A1A1MP114	
P-H	5360-168-7085	SPRING, HELICAL, TORSION 1214-272 (72314)	EA	1				*	*	*	*	3-3	1A1A1MP115	
P-H	5360-168-7078	SPRING, HELICAL, TORSION 1214-55 (72314)	EA	1				*	*	*	*		1A1A1MP116	
P-H	6760-071-9361	SPRING, HELICAL, TORSION 1193-716 (72314)	EA	1				*	*	*	*	3-3	1A1A1MP117	
M-D		SPRING, STRAIGHT 1214-350 (72314)	EA	1								3-3	1A1A1MP118	
X2-H		STOP, CAM 1214-118 (72314)	EA	1								3-3	1A1A1MP119	
P-H	6720-107-1292	SUPPORT, MOTOR 1214-61 (72314)	EA	1				*	*	*	*	3-3	1A1A1MP120	
P-H	5310-982-4999	NUT, SELF-LOCKING, HEXAGON	EA	2				*	*	*	*	3-3	1A1A1H48	
P-H	5310-982-4999	NUT, SELF-LOCKING, HEXAGON MS21044C04 (96906)	EA	REF				*	*	*	*	3-3	1A1A1H49	
P-H	5305-054-5650	SCREW, MACHINE MS51957-16 (96906)	EA	2				*	*	*	*	3-3	1A1A1H50	
P-H	5305-054-5650	SCREW, MACHINE MS51957-16 (96906)	EA	REF				*	*	*	*	3-3	1A1A1H51	
P-H	5930-646-4619	SWITCH, SENSITIVE MS25085-I (96906)	EA	1				*	*	*	*	3-3	1A1A1S1	
P-H	5305-725-4191	SCREW, MACHINE MS51959-7 (96906)	EA	2				*	*	*	*		1A1A1H52	
P-H	53105-725-4191	SCREW, MACHINE MS51959-7 (96906)	EA	REF				*	*	*	*		1A1A1H53	
P-H	6720-106-7876	TRUNNION, BLADE 1214-64 (72314)	EA	1				*	*	*	*	3-3	1A1A1MP121	
P-H	6720-107-1291	TRUNNION, LINK 1214-65 (72314)	EA	1				*	*	*	*	3-3	1A1A1MP122	
P-H	5305-770-2533	SCREW, MACHINE MS51959-13 (96906)	EA	6				*	*	*	*	3-3	1A1A1H54	
P-H	5305-770-2533	SCREW, MACHINE MS51959-13 (96906)	EA	REF				*	*	*	*	3-3	1A1A1H55	
P-R	5305-770-2533	SCREW, MACHINE MS51959-13 (96906)	EA	REF				*	*	*	*	3-3	1A1A1H56	

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCV	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.
INDEX NO		REFERENCE NUMBER & MFR. CODE	USABLE ON CODE											
P-H	5305-770-2533	SCREW, MACHINE MS51959-13 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H57
P-H	5305-770-2533	SCREW, MACHINE MS51959-13 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1A58
P-H	5305-770-2533	SCREW, MACHINE MS51959-13 (96906)	EA	REF				*	*	*	*	*	3-3	1A1A1H59
M-D		WASHER, FLAT MS1255P031F250 (72314)	EA	1									3-3	1A1A1MP123
P-H	6720-112-8774	WIRING HARNESS 1214838 (72314)	EA	1				*	*	*	*	*	3-3	1A1A1W1
X2-H		BLOCK, CONNECTOR MS18175 (96906) I	EA	1									6-38	1A1A1W1P1
X2-H		BLOCK, CONNECTOR MS176 (96906)	EA	1									6-38	1A1A1W1P3
P-H	5935-052-2300	CONTACT, ELECTRICAL MS17803-16-20 (96906)	EA	10				*	*	*	*	*	6-38	1A1A1W1E1
P-H	5935-052-2300	CONTACT, ELECTRICAL MS17803-16-20 (96906)	EA	REF				*	*	*	*	*		1A1A1W1E2
P-H	5935-052-2300	CONTACT, ELECTRICAL MS17803-16-20 (96906)	EA	REF				*	*	*	*	*		1A1A1W1E3
P-H	5935-052-2300	CONTACT, ELECTRICAL MS17803-16-20 (96906)	EA	REF				*	*	*	*	*		1A1A1W1E4
P-H	5935-052-2300	CONTACT, ELECTRICAL MS1780J-16-20 (96906)	EA	REF				*	*	*	*	*	*	1A1A1W1E5
P-H	5935-052-2300	CONTACT, ELECTRICAL MS17803-16-20 (96906)	EA	REF				*	*	*	*	*	*	1A1A1W1E6
P-H	5935-052-2300	CONTACT, ELECTRICAL MS17803-16-20 (96906)	EA	REF				*	*	*	*	*	*	1A1A1W1E7
P-H	5935-052-2300	CONTACT, ELECTRICAL MS117803-1b-20 (96906)	EA	REF				*	*	*	*	*	*	1A1A1W1E8
P-H	5935-052-2300	CONTACT, ELECTRICAL 4317803-16-20 (96906)	EA	REF				*	*	*	*	*	*	1A1A1W1E9
P-H	5935-052-2300	CONTACT, ELECTRICAL MS17803-16-20 (96906)	EA	REF				*	*	*	*	*	*	1A1A1W1E10
X2-H		CONTACT, ELECTRICAL MS18232 (96906)	EA	10										1A1A1W1E11
X2-H		CONTACT, ELECTRICAL MS18232 (96906)	EA	REF										1A1A1W1E12
X2-H		CONTACT, ELECTRICAL MS18232 (96906)	EA	REF										1A1A1W1E13
X2-H		CONTACT, ELECTRICAL MS18232 (96906)	EA	REF										1A1A1W1E14
X2-H		CONTACT, ELECTRICAL MS18232 (96906)	EA	REF										1A1A1W1E15
X2-H		CONTACT, ELECTRICAL MS18232 (96906)	EA	REF										1A1A1W1E16
X2-H		CONTACT, ELECTRICAL MS18232 (96906)	EA	REF										1A1A1W1E17
X2-H		CONTACT, ELECTRICAL MS18232 (96906)	EA	REF										1A1A1W1E18
X2-H		CONTACT, ELECTRICAL MS18232 (96906)	EA	REF										1A1A1W1E19
X2-H		CONTACT, ELECTRICAL MS18232 (96906)	EA	REF										1A1A1W1E20
P-H	5999-239-3350	CONTACT, ELECTRICAL MS18233 (96906)	EA	10				*	*	*	*	*		1A1A1W1E21
P-H	5999-239-3350	CONTACT, ELECTRICAL MS18233 (96906)	EA	REF				*	*	*	*	*		1A1A1WE22
P-H	5999-239-3350	CONTACT, ELECTRICAL MS18233 (96906)	EA	REF				*	*	*	*	*		1A1A1W1E23
P-H	5999-239-3350	CONTACT, ELECTRICAL MS18233 (96906)	EA	REF				*	*	*	*	*		1A1A1W1E24

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCV	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.
INDEX NO		REFERENCE NUMBER & MFR. CODE	USABLE ON CODE											
P-H	5999-239-3350	CONTACT, ELECTRICAL MS16233 (96906)	EA	REF				*	*	*	*	*		1A1A1W1E25
P-H	5999-239-3350	CONTACT, ELECTRICAL MS1818233 (96906)	EA	REF				*	*	*	*	*		1A1A1W1E26
P-H	5999-239-3350	CONTACT, ELECTRICAL MS18233 (96906)	EA	REF				*	*	*	*	*		1A1A1W1E27
PH	5999-239-3350	CONTACT, ELECTRICAL MS18233 (96906)	EA	REF				*	*	*	*	*		1A1A1W1E28
P-H	5999-239-3350	CONTACT, ELECTRICAL MS18233 (96906)	EA	REF				*	*	*	*	*	*	1A1A1W1E29
P-H	5999-239-3350	CONTACT, ELECTRICAL MS1818233 (96906)	EA	REF				*	*	*	*	*	*	1A1A1W1E30
X2-H		JACKSCREW MS18195-1 (96906)	EA	2										1A1A1W1E30
X2-H		JACKSCREW MS11A95-1 (96906)	EA	REF										1A1A1WE60
X2-H		JACKSCREW MS18195-2 (96906)	EA	2										1A1A1W1H61
X2-H		JACKSCREW MS18195-2 (96906)	EA	REF										1A1A1W1E62
P-H	5940-143-5440	TERMINAL, LOG RZ23 (59730)	ER	1										1A1A1W1E63
P-O	3030-126-8928	BELT, POSITIVE DRIVE 30102X1-4XT4N10 (61463)	EA	1				*	*	*	*	*		1A1A1W1E31
P-O	3030-126-8929	BELT, POSITIVE DRIVE 30105X1-4XT4N10 (61463)	ER	1	*	*	*	*	*	*	*	*	3-4	1A1MP124
M-D		BLOCK 1214-327 (72314)	EA	1	*	*	*	*	*	*	*	*	3-4	1A1MP126
X2-H		BRACKET, ANGLE 1214-149 (72314)	EA	1									3-4	1A1MP127
P-H	5305054-6652	SCREW, MACHINE MS51957-28 (96906)	EA	4				*	*	*	*	*		1A1H64
P-H	5305-054-6652	SCREW, MACHINE MS51957-28 (96906)	EA	REF				*	*	*	*	*		1A1H65
P-H	5305-054-6652	SCREW, MACHINE MS51957-28 (96906)	EA	REF				*	*	*	*	*		1A1H66
P-H	5305-054-6652	SCREW, MACHINE MS551957-28 (96906)	EA	REF				*	*	*	*	*		1A1H67
P-H	5310-722-5998	WASHER, FLAT MS15795-A05 (96906)	EA	4	*	*	*	*	*	*	*	*	3-4	1A1H68
P-F	5310-722-5998	WASHER, FLAT MS15795-805 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H69
P-F	5310-722-5998	WASHER, FLAT MS15795-805 (96906)4	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H70
P-F	5310-722-5998	WASHER, FLAT MS15795-805 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H71
X2-H		BRACKET, SWITCH 1214-180 (72314)	EA	1									3-4	1A1MP128
P-H	3110-682-4598	BEARING, BALL, ANNULAR AVFS1KDD7 (21335)	EA	1				*	*	*	*	*	3-4	1A1MP129
P-H		BEARING, BALL, ANNULAR SFR1445KPPK25 (83086)	EA	2				*	*	*	*	*	3-4	1A1MP130
P-H		BEARING, BALL, ANNULAR SFR1445KPK25 (83086)	EA	REF				*	*	*	*	*	3-4	1A1MP131
P-H		BEARING, BALL, ANNULAR SFR1563PPX25 (83086)	EA	4				*	*	*	*	*	3-4	1A1MP132
P-H		BEARING, BALL, ANNULAR SFR1563PPK25 (83086)	EA	REF				*	*	*	*	*	3-4	1A1MP133
P-H		BEARING, BALL, ANNULAR SFR1563PPK25 (83086)	EA	REF				*	*	*	*	*	3-4	1A1MP134
P-H		BEARING, BALL, ANNULAR SFR1563PPK25 (83086)	EA	RF				*	*	*	*	*	3-4	1A1MP135

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCV	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.
P-H		BEARING, BALL, ANNULAR SFR1883MMK25 (83086)	EA	10				*	*	*	*	*	3-4	1A1MP136
P-H		BEARING, BALL, ANNULAR SFR1883MMK25 (83086)	EA	REF				*	*	*	*	*	3-4	1A1MP137
P-H		BEARING, BALL, ANNULAR SFR1883MMK25 (83086)	EA	REF				*	*	*	*	*	3-4	1A1MP138
P-H		BEARING, BALL, ANNULAR SFR1883MMK25 (83086)	EA	REF				*	*	*	*	*	3-4	1A1MP139
P-H		BEARING, BALL, ANNULAR SFR1883MMK25 (83086)	EA	REF				*	*	*	*	*	3-4	1A1MP140
P-H		BEARING, BALL, ANNULAR SFR1883MMK25 (83086)	EA	REF				*	*	*	*	*	3-4	1A1MP141
P-H		BEARING, BALL, ANNULAR SFR1833MMK25 (83086)	EA	REF				*	*	*	*	*	3-4	1A1MP142
P-H		BEARING, BALL, ANNULAR SFR1883MMK25 (83086)	EA	REF									3-4	1A1MP143
P-H		BEARING, BALL, ANNULAR SFR1883MMK25 (83086)	EA	REF									3-4	1A1MP144
P-H		BEARING, BALL, ANNULAR SFR1883MMK25 (83086)	EA	REF									3-4	1A1MP145
P-H	3110-271-7333	BEARING, BALL, ANNULAR SFR1885PPK25 (83086)	EA	1									3-4	1A1MP146
P-H	3110-939-9154	BEARING, BALL, ANNULAR SFR35PPXK25 (83086)	EA	1									3-4	1A1MP147
P-H	3110-787-8902	BEARING, BALL, ANNULAR SFR65PPDK25 (83086)	EA	2									3-4	1A1MP148
P-H	3110-787-8902	BEARING, BALL, ANNULAR SFR65PPDK25 (83086)	EA	REF									3-4	1A1MP149
P-H-R	6720-107-1293	CAM, PUCK ASSEMBLY 121486 (723114)	EA	1				*	*	*	*	*	3-4	1A1MP150
X2-H		ADAPTER 1214-281 (72314)	EA	1									3-4	1A1MP151
X2-H		BEARING, BALL, ANNULAR SFR63PPDK25 (83086)	EA	2									3-4	1A1MP152
X2-H		BEARING, BALL, ANNULAR SFR63PPDK25 (83086)	EA	REF									3-4	1A1MP153
P-H	3110-787-8902	BEARING, BALL, ANNULAR SFR65PPDK25 (83086)	EA	1				*	*	*	*	*	3-4	1A1MP154
P-H	6720-106-78714	CAM, GEAR ASSEMBLY 121687 (72314)	EA	1				*	*	*	*	*		1A1MP155
X1-H		CAM, CONTROL 1211-191 (723114)	EA	1									3-4	1A1MP156
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	3	*	*	*	*	*	*	*	*		1A1H72
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*		1A1H73
P-O	5305-0514-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*		1A1H74
X1-H		CAM, CONTROL 1214-213 (72314)	EA	1									3-4	1A1MP157
X1-H		GEAR, SPUR 1214-84 (72314)	EA	1									3-4	1A1MP158
P-H	5315-817-0889	PIN, STRAIGHT, HEADLESS MS16555-601 (96906)	EA	2				*	*	*	*	*		1A1MP159
P-H	5315-817-0889	PIN, STRAIGHT, HEADLESS MS16555-601 (96906)	EA	REF				*	*	*	*	*		1A1MP160
X2-H	5315-682-1726	PIN, STRAIGHT, HEADLESS MS16555-617 (96906)	EA	1									3-4	1A1MP161
P-H	3020-480-7375	GEAR, HELICAL 1214-86 (72314)	EA	1				*	*	*	*	*	3-4	1A1MP162
P-H	5315-821-9522	PIN, GROOVED, HEADLESS MS35672-22 (96906)	EA	2				*	*	*	*	*	3-4	1A1MP163

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCV	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.
INDEX NO		REFERENCE NUMBER & MFR. CODE	USABLE ON CODE											
P-H	5315-821-9522	PIN, GROOVED, HEADLESS MS35672-22 (96906)	EA	REF				*	*	*	*	*	3-4	1A1MP164
P-H	5315-182-6235	PIN TAPERED PLAIN F114-30-16 (72314)	EA	1				*	*	*	*	*		1A1MP165
P-H	3040-459-3087	SHAFT, STRAIGHT 1214-100 (72314)	EA	1				*	*	*	*	*	3-4	1A1MP166
P-H	6720-824-2919	SHIM 1193-717-3 (72318)	EA	1				*	*	*	*	*	3-4	1A1MP167
P-H	5365-168-7046	SPACER, SLEEVE 1193-717-4 (72314)	EA	1				*	*	*	*	*	3-4	1A1MP168
P-F	5340-014-0014	CAP, DUST NAS820-22A (80205)	EA	1	*	*	*	*	*	*	*	*	3-4	1A1MP169
P-F	5935-789-6069	CAP, DUST NAS820-2A (880205)	EA	1	*	*	*	*	*	*	*	*	3-A	1A1MP170
P-F-S	6760-116-0672	CIRCUIT CARD ASSEMBLY 1214B41 (72314)	EA	1	*	*	*	*	*	*	*	*	3-7	1A1A4
X2-H		PRINTED WIRING BOARD 1214-320 (72314)	EA	1										1A1A4MP171
P-H	5905-810-1003	RESISTOR, FIXED, FILM RN60C7322F (81349)	EA	2				*	*	*	*	*	6-30	1A1A4R2
P-H	5905-836-2859	RESISTOR, FIXED, FILM RN60C9761F (81349)	EA	REF				*	*	*	*	*	6-30	1A1A4R3
P-H	5905-946-7562	RESISTOR, VARIABLE RT22C2P203 (81349)	EA	1				*	*	*	*	*	6-30	1A1A4R1
P-H	5940-113-9828	TERMINAL, LUG 5025036-48 (96906)	EA	2				*	*	*	*	*		1A1A4E1
P-H	5940-113-9828	TERMINAL, LUG MS25036-48 (96906)	EA	REF				*	*	*	*	*		1A1A4E2
P-H	5340-168-7034	CLAMP, GEAR CG115 (23266)	EA	1				*	*	*	*	*	3-7	1A1MP172
P-H	5340-766-6818	CLAMP, LOOP NAS1397R2B (80205)	EA	3				*	*	*	*	*	3-4	1A1MP173
P-H	5340-766-6818	CLAMP, LOOP NAS1397R2B (80205)	EA	REF				*	*	*	*	*	3-4	1A1MP174
P-H	5340-766-6818	CLAMP, LOOP NAS1397R2B (80205)	EA	REF				*	*	*	*	*	3-4	1A1MP175
P-H	5310-982-5000	NUT, SELF-LOCKING, HEXAGON MS2105C04 (96906)	EA	2				*	*	*	*	*	3-4	1A1H75
P-H	5310-982-5000	NUT, SELF-LOCKING, HEXAGON MS21045C04 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H76
P-H	5305-054-5649	SCREW, MACHINE MS51957-15 (96906)	EA	3				*	*	*	*	*		1A1H77
P-H	5305-768-0336	SCREW, MACHINE NS51959-17 (96906)	EA	2				*	*	*	*	*	*	1A1H78
P-H	5305-768-0336	SCREW, MACHINE MS51959-17 (96906)	EA	REF				*	*	*	*	*	*	1A1H79
P-F	5310-672-2178	WASHER, SADDLE D4-128 (95987)	EA	3	*	*	*	*	*	*	*	*		1A1H80
P-F	5310-672-2178	WASHER, SADDLE D4-128 (95987)	EA	REF	*	*	*	*	*	*	*	*		1A1H81
P-F	5310-672-2178	WASHER, SADDLE D4-128 (95987)	EA	REF	*	*	*	*	*	*	*	*		1A1H82
X2-H		COVER, ACCESS 1214-193 (72316)	EA	REF									3-4	1A1MP176
P-H	5305-054-6650	CREW, MACHINE MS51957-26 (96906)	EA	8				*	*	*	*	*	3-4	1A1H83
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H84
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H85
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H86

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCV	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.
INDEX NO		REFERENCE NUMBER & MFR. CODE	USABLE ON CODE											
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H87
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H88
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H89
P-H	5305-054-b650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H90
X2-H		COVER, ACCESS 1214-195 (72314)	EA	1									3-4	1A1MP177
P-H	5305-763-6961	SCREW, MACHINE MS51959-26 (96906)	EA	4				*	*	*	*	*	3-4	1A1H91
P-H	5305-763-6961	SCREW, MACHINE MS51959-26 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H92
P-H	5305-763-6961	SCREW, MACHINE MS51959-26 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H93
P-H	5305-763-6961	SCREW, MACHINE MS51959-26 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H94
P-O	6720-068-2195	COVER, ASSEMBLY, TRANSIT 1193B87 (72314)	EA	1	*	*	*	*	*	*	*	*	3-4	1A1MP178
X2-H	5360-122-6760	CATCH, LUGGAGE 1193-700-1 (72314)	EA	2									3-4	1A1MP179
X2-H	5340-122-6760	CATCH, LUGGAGE 1193-700-1 (72)14)	EA	REF									3-4	1A1MP180
X2-H	5320-855-1316	RIVET, TUBULAR MS16535-158 (96906)	EA	4									3-4	1A1H95
X1-H	5320-855-1316	RIVET, TUBULAR MS16535-15H (96906)	EA	REF									3-4	1A1H96
X1-H	5320-055-1316	RIVET, TUBULAR MS16535-158 (96906)	EA	REF									3-A	1A1H97
X2-H	5320-855-1316	RIVET, TUBULAR MS16535-15 (96906)	EA	REF									3-4	1A1H98
X1-H		COVER, BODY, 11193-759 (72314)	EA	1									3-4	1A1MP181
X2-H	6105-168-3693	GASKET 1193-145-2 (72314)	EA	1									3-4	1A1MP182
P-F	6720-112-8772	COVER, DUST 1214-192 (72314)	EA	1	*	*	*	*	*	*	*	*	3-4	1A1MP183
P-F	5305-054-6649	SCREW, MACHINE MS151957-25 (96906)	EA	4	*	*	*	*	*	*	*	*	3-4	1A1H99
P-F	5305-054-6609	SCREW, MACHINE MS51957-25 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H100
P-F	5305-054-6649	SCREW, MACHINE MS51957-25 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H101
P-F	5305-054-6669	SCREW, MACHINE MS51957-25 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H102
X2-H		COVER, GASKET ASSEMBLY 1214840 (72314)	EA	1										1A1MP184
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	2	*	*	*	*	*	*	*	*	3-6	1A1H103
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H104
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	RFF	*	*	*	*	*	*	*	*	3-4	1A1H105
P-O	5105-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H106
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H107
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H108
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H109

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCTY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.
INDEX NO		REFERENCE NUMBER & MFR. CODE	USABLE ON CODE											
P-O	5305-059-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H110
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H111
P-O	5305-05-66651	SCREW, MACHINE MS551957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H112
P-O	5305-059-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H113
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H114
P-O	5305-054-6651	SCREW, MACHINE MS551957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H115
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H116
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H117
P-O	5305-054-6651	SCREW, MACHINE MS551957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H118
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H119
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H120
P-O	5305-054-6651	SCREW, MACHINE NS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H121
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H122
P-O	5305-054-6651	SCREW, MACHINE MS1957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H123
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H124
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H125
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H126
X1-H		COVER 1214-255 (72314)	EA	1									3-4	1A1MP185
X2-H		SHIELDING, GASKET, ELECTRONIC 1214-173 (72314)	EA	2									3-4	1A1MP186
X2-H		SHIELDING, GASKET, ELECTRONIC 1216-173 (72314)	EA	REF									3-4	1A1MP187
P-O	5999-112-8769	SHIELDING, GASKET, ELECTRONIC 1214-38 (72314)	EA	1	*	*	*	*	*	*	*	*	3-4	1A1MP188
P-O	6720-106-7871	FLANGE, PULLEY 1193-56 (72314)	EA	2	*	*	*	*	*	*	*	*	3-4	1A1MP189
P-O	6720-106-7871	FLANGE, PULLEY 1193-56 (72314)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1MP190
P-O	5305-766-2422	SCREW, MACHINE MS51959-1 (96906)	EA	4	*	*	*	*	*	*	*	*	3-4	1A1H127
P-O	5305-766-2422	SCREW, MACHINE MS51959-1 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H128
P-O	5305-766-2422	SCREW, MACHINE MS51959-1 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H129
P-O	5305-766-2422	SCREW, MACHINE MS51959-1 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1H130
P-H		GEAR ASEMBLY 1214823 (72319)	EA	1										1A1MP191
P-H	3020-463-3624	GEAR, CLUSTER 1214B12 (72314)	EA	1				*	*	*	*	*	3-4	1A1MP192
P-H	3020-471-3122	GEAR, SPUR 1214-811 (72314)	EA	1				*	*	*	*	*	3-4	1A1MP193
P-H	5315-273-8016	PIN, GROOVED, HEADLESS MS35672-17 (96906)	EA	1				*	*	*	*	*	3-4	1A1MP194

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCV	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.
INDEX NO		REFERENCE NUMBER & MFR. CODE	USABLE ON CODE											
PH	5315-597-2826	PIN, TAPERED., PLAIN F114-50-6 (72314)	EA	1				*	*	*	*	*	3-4	1A1MP195
P-H	3040-491-3195	SHAFT, STRAIGHT PSP2497A1750 (72314)	EA	1				*	*	*	*	*	3-4	1A1MP196
P-H	3020-480-1155	GEAR, CLUSTER 1214611 (72314)	EA	1				*	*	*	*	*	3-7	1A1MP197
P-H	3020-238-5277	GEAR, SPUR 1214-76 (72314)	EA	1				*	*	*	*	*	3-7	1A1MP198
P-H	6630-113-5684	GENERATOR, TACHOMETER 1214-93 (72114)	EA	1				*	*	*	*	*	3-7	1A1G1
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	7				*	*	*	*	*	3-7	1A1H131
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-7	1A1H132
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-7	1A1H133
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-7	1A1H134
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-7	1A1H135
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EAREEF					*	*	*	*	*	3-7	1A1H136
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-7	1A1H137
P-H	5305-410-2903	SCREW, MACHINE NAS1635-01-3 (80205)	EA	2				*	*	*	*	*	3-7	1A1H138
P-H	5305-410-2903	SCREW, MACHINE NAS1635-01-3 (60205)	EA	REF				*	*	*	*	*	3-7	1A1H139
P-H	5310-804-0141	WASHER, FLAT MS51795-801 (96906)	EA	2				*	*	*	*	*	3-7	1A1H140
P-H	5310-804-0141	WASHER, FLAT MS315795-801 (96906)	EA	REF				*	*	*	*	*	3-7	1A1H141
P-H	5325-641-2792	GROMMET, RUBBER MS35490-48 (96906)	EA	1				*	*	*	*	*	3-4	1A1MP199
X2-H		GUIDE, HARNESS 1214-205 (72314)	EA	1									3-7	1A1MP200
X2-H		HOUSING ASSEMBLY 1214B4 (72114)	EA	1										1A1MP201
X2-H		BRACKET.PRISM 1214-35 (72314)	EA	1									3-4	1A1MP202
X2-H	5305-059-3659	SCREW, MACHINE MS51958-63 (96906)	EA	6									3-4	1A1H142
X2-H	5305-059-3659	SCREW, MACHINE MS51958-63 (96906)	EA	REF									3-4	1A1H143
X2-H	5305-059-3659	SCREW, MACHINE MS51958-63 (96906)	EA	REF									3-4	1A1H144
X2-H	5305-059-3659	SCREW, MACHINE MS51958-63 (96906)	EA	REF									3-4	1A1H145
X2-H	5305-059-3659	SCREW, MACHINE MS51958-63 (96906)	EA	REF									3-4	1A1H146
X2-H	5305-059-3659	SCREW, MACHINE MS51958-63 (96906)	EA	REF									3-4	1A1H147
X2-H	5305-059-3662	SCREW, .MACHINE MS51958-66 (96906)	EA	2									3-7	1A1H148
X2-H	5305-059-3662	SCREW, MACHINE MS51958-66 (96906)	EA	REF									3-7	1A1H149
X2-H		SCREW, MACHINE 1214-216 (72314)	EA	1									3-4	1A1H150
X2-H		COVER 1214-362 (72314)	EA	1									3-4	1A1MP203
P-H	5305-054-6650	SCREW., MACHINE MS51957-26 (96906)	EA	2				*	*	*	*	*		1A1H151

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCTY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.
INDEX NO		REFERENCE NUMBER & MFR. CODE	USABLE ON CODE											
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)		EA REF				*	*	*	*	*		1A1H152
X1-H		HOUSING, BODY 1214-22 (72314)		EA 1									3-4	1A1MP204
X2-H	5315-988-7409	PIN, STRAIGHT, HEADLESS MS16555-634 (96906)		EA 6										1A1MP205
X2-H	5315-988-7409	PIN, STRAIGHT, HEADLESS MS16555-634 (96906)		EA REF										1A1MP206
X2-H	5315-988-7409	PIN, STRAIGHT, HEADLESS MS16555-634 (96906)		EA REF										1A1MP207
X2-H	5315-988-7409	PIN, STRAIGHT, HEADLESS MS16555-634 (96906)		EA REF										1A1MP208
X2-H	5315-988-7409	PIN, STRAIGHT, HEADLESS MS16555-634 (96906)		EA REF										1A1MP209
X2-H	5315-988-7409	PIN, STRAIGHT, HEADLESS MS16555-634 (96906)		EA REF										1A1MP210
X2-H		PLATE, MOTOR 1214-31 (72314)		EA 1									3-7	1A1MP211
X2-H		SUPPORT, BEARING 1214-30 (72114)		EA 1									3-7	1AMP212
P-H	6720-107-1298	LEVER ASSEMBLY 1214R32 (72314)		EA 1				*	*	*	*	*	3-4	1A1MP213
P-H-R	6105-168-3693	MOTOR, GEAR ASSEMBLY 1214B15 (72314)		EA 1				*	*	*	*	*	3-4	1A1A3
P-H	5305-054-6670	SCREW, MACHINE MS51957-45 (96906)		EA 3				*	*	*	*	*	3-7	1A1H153
P-H	5305-054-6670	SCREW, MACHINE MS551957-45 (96906)		EA REF				*	*	*	*	*	3-7	1A1H154
P-H	5305-054-6670	SCREW, MACHINE MS51957-45 (96906)		EA REF				*	*	*	*	*	3-7	1A1H155
X1-H		GEAR, CLUSTER 1214B10 (72314)		EA 1									3-7	1A1A3MP214
X1-H		GEAR, BLANK 1214-73 (72314)		EA 1										1A1A3MP215
X1-H		GEAR, HELICAL 1214-74 (72314)		EA 1										1A1A3MP216
X1-H		MOTOR, DIRECT CURRENT 808GG1 (72314)		EA 1									3-7	1AA3B1
X1-H		ARMATURE ASSEMBLY 808GG19 (72314)		EA 4									4-14	1A1A3MP217
X1-H		COMMUTATOR, ARMATURE 808W16 (72314)		EA 1										1A1A3MP218
X1-H		CORESTACK ASSEMBLY 808GG15 (72314)		EA 1										1A1A3MP219
X1-H		INSULATOR, ARMATURE A597-34 (72314)		EA 1										1A1A3MP220
X1-H		INSULATOR, ARMATURE A597-36 (72314)		EA 2										1A1A3MP221
X1-H		INSULATOR, ARMATURE A597-36 (72314)		EA REF										1A1A3MP222
X1-H		WEDGE, SLOT 808-13 (72314)		EA 9										1A1A3MP223
X1-H		WEDGE, SLOT 408-13 (72314)		EA REF										1A1A3MP224
X1-H		WEDGE, SLOT 808-13 (72314)		EA REF										1A1A3MP225
X1-H		WEDGE, SLOT 808-13 (72314)		EA REF										1A1A3MP226
X1-H		WEDGE, SLOT 808-13 (72314)		EA REF										1A1A3MP227
X1-H		WEDGE, SLOT 808-13 (72314)		EA REF										1A1A3MP228

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCTY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.
X1-H		WEDGE, SLOT 808-13 (72314)	EA	REF										1A1A3MP229
X1-H		WEDGE, SLOT 808-13 (72314)	EA	REF										1A1A3MP230
X1-H		WEDGE, SLOT 808-13 (72314)	EA	REF								4-14		1A1A3MP231
X2-H	3110-516-5267	BEARING, BALL, ANNULAR SR43MM (83086)	EA	2								4-14		1A1A3MP232
X2-H	3110-516-5267	BEARING, BALL, ANNULAR SR43MM (830363)	EA	REF								4-14		1A1A3MP233
P-H	5977-285-0051	BRUSH, ELECTRICAL, CONTACT 808K14 (72314)	EA	2				*	*	*	*	*	4-14	1A1A3MP234
P-H	5977-285-0051	BRUSH, ELECTRICAL, CONTACT 808K14 (72314)	EA	REF				*	*	*	*	*	4-14	1A1A3MP235
P-H	6105-549-8044	CAP, ELECTRICAL 808-36 (72314)	EA	2				*	*	*	*	*	4-14	1A1A3MP236
P-H	6105-549-8044	CAP, ELECTRICAL 803-36 (72314)	EA	REF				*	*	*	*	*	4-14	1A1A3MP237
X1-H		END BELL 808-148 (72314)	EA	1									4-14	1A1A3MP238
X2-H		SCREW, MACHINE A532-401-4 (72316)	EA	2									4-14	1A13B1H156
X2-H		SCREW, MACHINE A532-401-4 (72314)	EA	REF									4-14	1A13B1H157
P-O	5310-929-6395	WASHER, LOCK MS35338-136 (96906)	EA	2	*	*	*	*	*	*	*	*	4-14	1A13B1H158
P-O	5310-929-6395	WASHER, LOCK MS35338-136 (96906)	EA	REF	*	*	*	*	*	*	*	*	4-14	1A13B1H159
X1-H		END BELL ASSEMBLY 808GG2 (72114)	EA	1									4-14	1A13MP239
X2-H	5910-111-1708	CAPACITOR, FIXED, CERAMIC CKR06BX472KM (81349)	EA	1										1A1A3B1C1
X1-H		END BELL 808-150 (723114)	EA	1									4-14	1A1A3MP240
X2-H	5977-071-5374	HOLDER ASSEMBLY 808W13 (72314)	EA	2										1A1A3MP241
X2-H	5977-071-5374	HOLDER ASSEMBLY 808W13 (72314)	EA	REF										1A1A3MP242
X1-H		HOLDER ASSEMBLY 808W10 (72314)	EA	2										1A1A3MP243
X1-H		HOLDER ASSEMBLY 808W10 (72314)	EA	REF										A11A3MP244
X1-H		HOLDER, BRUSH 808-128 (72314)	EA	2									4-14	1A1A3MP245
X1-H		HOLDER, BRUSH 808-128 (72314)	EA	REF									4-14	1A1A3MP246
X2-H	5940-534-8131	TERMINAL, LUG 532-557 (72314)	EA	2										1A1A3B1E1
X2-H	5940-534-8131	TERMINAL, LUG 532-557 (72314)	EA	REF									4-14	1A1A3B1E2
X1-H		JACKET, BRUSH 808-19 (72314)	EA	2									4-14	1A1A3MP247
X1-H		JACKET, BRUSH 808-19 (72314)	EA	REF									4-14	1A1A3MP248
X2-H	5905-273-1723	RESISTOR, FIXED, COMPOSITION RC32GF222J (81349)	EA	1										1A1A3B1R1
X1-H		SETSCREW C59 (00141)	EA	2									4-14	1A1A31H160
X1-H		SETSCREW C59 (00141)	EA	REF									4-14	1A1A31H161
X2-H	5940-958-6213	TERMINAL FEEDTHRU, INSULATED FT029A01 (81349)	EA	2										1A1A3B1E3

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONT)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCV	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REF. DESIGN.
INDEX NO		REFERENCE NUMBER & MFR. CODE	USABLE ON CODE											
X2-H	5940-958-6213	TERMINAL, FEEDTHRU, INSULATED FT029OA01 (BIJ49)	EA	REF									4-14	1A1A3BE4
X2-H	5940-032-5763	TERMINAL, LUG 12054 (71785)	EA	1									4-14	1A1A3BE5
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	1				*	*	*	*	*		1A1A31H162
X2-H	6720-463-7461	HOUSING ASSEMBLY 808V8 (72314)	EA	1										1A131MP249
	6760-658-7994	INSULATOR, DISK 908-56 (72314)	EA	2									4-14	1A1A1MP250
X2-H	6760-658-799N	INSULATOR, DISK 808-56 (72314)	EA	REF									4-14	1A1A1MP251
P-H	4105-549-8043	RETAINER, BRUSH 808-44 (72314)	EA	2				*	*	*	*	*	4-14	1A1A1MP252
P-H	6105-5A9-8043	RETAINER, BRUSH 808-44 (72311)	EA	4				*	*	*	*	*	4-14	1A1A1MP253
X1-H		SHIELD, BEARING, ARMATURE 808-154 (72314)	EA	1									4-14	1A1A1MP254
X2-H	6760-285-7684	SHIM 532-708 (72314)	EA	1									4-14	1A1A1MP255
X2-11	5310-576-7339	WASHER, SPRING, TENSION R4 (92830)	EA	1									4-14	1A1A1MP256
X2-H	5310-298-366U	PIN, TAPERED, PLAIN F114-50-10 (72314)	EA	1									3-7	1A1A1MP257
P-H	5310-062-0912	NUT, PLAIN, HEXAGON MS35649-64 (96906)	EA	1				*	*	*	*	*		1A1H163
P-H	6720-109-4499	NUT, PLATE 121A-175 (72314)	EA	1				*	*	*	*	*	3-4	1A1A1MP258
P-H	5305-054-5648	SCREW, MACHINE 5MS51957-14 (96906)	EA	8				*	*	*	*	*	3-4	1A1H164
P-H	5305-054-5648	SCREW, MACHINE MS51957-14 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H165
P-H	5105-054-5648	SCREW, MACHINE 55051957-14 (96906)	EA	REF				*	*	*	*	*	3-4	1A1HI166
P-H	5305-054-5648	SCREW, MACHINE MS51957-14 (96906)*	EA	REF				*	*	*	*	*	3-4	1A1H167
P-H	5305-05N-5648	SCREW, MACHINE MS51957-14 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H168
P-H	5305-054-5648	SCREW, MACHINE MS51957-14 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H169
P-H	5305-054-5648	SCREW, MACHINE MS51957-14 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H170
P-H	5305-054-5648	SCREW, MACHINE M351957-14 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H171
P-H	5310-270-8810	NUT, PLAIN, HEXAGON MS535653-104 (96906)	EA	4				*	*	*	*	*	3-4	1A1H172
P-H	5310-270-8810	NUT, PLAIN, HEXAGON MS5193650-104 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H173
P-H	5305-205-5649	NUT, PLAIN, HEXAGON MS51957-141 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H174
P-H	5310-270-8810	NUT, PLAIN, HEXAGON MS35650-104 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H175
P-H	5310-270-8810	NUT, PLAIN, HEXAGON MS35650-104 (96906)	EA	1				*	*	*	*	*	3-4	1A1AMP259
P-O	5961-492-2522	PHOTOCELL ASSEMBLY 1214828 (72318)	EA	1	*	*	*	*	*	*	*	*		1A1MP259
P-H	5315-847-56717	PIN, STRAIGHT, HEADLESS M516555-626 (96906)	EA	1				*	*	*	*	*		1A1P260
X2-H	5315-988-7109	PIN, STRAIGHT, HEADLESS MS516555-634 (96906)	EA	1										1A1P260
X2-H		PIN, STRAIGHT, HEADLESS PSP5009A625 (72314)	EA	2										1A1A261
X2-H		PIN, STRAIGHT, HEADLESS P5P5O09A1625 (72314)	EA	REF										1AMP262

SECTION 11 REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF. NUMBER & MFR CODE	(4) USABLE ON CODE	(5) UNIT OF MEAS	(6) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
						(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
						1-20	21-50	51-100	1-20	21-50	51-100			FIG NO.	ITEM NO. OR REFERENCE DESIGNATION
X2-H		P1N,STRAIGHT,HEADLESS PSP5009A1938 (72314)		EA	1									3-4	1A1MP263
X2-H		P1N, STRA1GRT, HEADLESS 1214-206 (72314)		EA	1									3-4	1A1MP264
X2-H		PLATE,COVER 1214-174 (72114)		EA	1									3-4	1A1MP265
M-D		PLATE,1DENT1F1CAT1ON 1214-217-1(72314)		EA	1									3-4	1A1MP266
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	10				*	*	*	*	*	3-4	1A1H176
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				*	*	*	*	*	3-4	1A1H177
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				*	*	*	*	*	3-4	1A1H178
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REP				*	*	*	*	*	3-4	1A1H179
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				*	*	*	*	*	3-4	1A1H180
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				*	*	*	*	*	3-4	1A1H181
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				*	*	*	*	*	3-4	1A1H182
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				*	*	*	*	*	3-4	1A1H183
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				*	*	*	*	*	3-4	1A1H184
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				*	*	*	*	*	3-4	1A1H185
P-O	6720-106-7875	PRISM COVER ASSEMBLY 1214139 (72314)		EA	1	*	*	*	*	*	*	*	*		1A1MP267
A1-H		COVER,PR1SN 1214-214 (72314)		EA	1									3-4	1A1P268
X2-H		GASKET 1193-131 (72314)		EA	2									3-4	1A1MP269
X2-H		GASKET 1193-131 (72314)		EA	REF									3-4	1A1MP270
X2-H		GASKET 1193-658-2 (72314)		EA	1									3-4	1A1MP271
X2-H		SCREW,EXTERNALLY RELIEVED BODY 1193-130 (72314)		EA	3									3-4	1A1MP272
X2-H		SCREW,EXTERNALLY RELIEVED BODY 1193-130 (72314)		EA	REF									3-4	1A1HP273
X2-H		SCREW,EXTERNALLY RELIEVED BODY 1193-130 (72314)		EA	REF									3-4	1A1MP274
P-H-T	6720-106-7873	PRISM,GEAR ASSEMBLY 1214B14 (72314)		EA	1				*	*	*	*	*	3-4	1A1MP275
P-D	6720-153-004K	GEAR,SPROCKET ASSEMBLY 1214B13 (72314)		EA								*	*		1A1MP276
X1-D		GEAR,HEL1CAL 1214-82 (72319)		EA	1									3-4	1A1MP 277
X-2-H	5315-939-1146	PIN,STRAIGHT,READLESS MS16555-605 (96906)		EA	1										1A1MP278
X1-D		SPROCKET,WHEEL 1214-150-1 (72314)		EA	1										1A1MP279
P-D	5315-228-2822	PIN,TAPERED,PLAIN F114-50-11 (72314)		EA	1							*	*	3-4	1A1MP280
X1-D		PRISM,CAGE ASSEMBLY 1214B3 (72314)		EA	1										1A1MP281
X1-D		CAGE,PRISM 1214-20 (72314)		EA	1									3-4	1A1MP282
X1-D		HOLDER,PRISM 1193-14 (72314)		EA	8									3-4	1A1MP283

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE [Continued]

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION
X1-D		HOLDER,PRISM 1193-14 (72314)	EA	REF								3-4	1A1YM284	
X1-D		HOLDER,PRISM 1193-14(72314)	EA	REF								3-4	1A1MP285	
X1-D		ROLDER,PRISM 1193-14 (72314)	EA	REF								3-4	1A11P286	
X1-D		ROLDER,PRISM 1193-14 (72314)	EA	REF								3-4	1A1M4P287	
X1-D		HOLDER,PRISM 1193-14 (72314)	EA	REF								3-4	1A1MP288	
X1-D		HOLDER,PRISM 1193-14 (72314)	EA	REF								3-4	1A19P289	
X1-D		11OLDER,PRISM 1193-14 (72314)	EA	REF								3-4	1A1MP2903	
P-11	5305-763-6963	SCREW,MACHINE MS51959-28 (96906)	EA	15				*	*	*	*	*		1A1H186
P-H	5305-761-6963	SCREW,MACHINE MS51959-28 (96906))	EA	REF				*	*	*	*	*		1A1H1H7
P-H	5305-763-6963	SCREW,MACHINE MS51959-28 (96906)	EA	REF				*	*	*	*	*		1A1H188
P-H	5305-763-6963	SCREW,MACHINE 1MS51959-28 (96906)	EA	REF				*	*	*	*	*		1A1H190
P-H	5305-763-6963	SCREW,MACHINE MS51959-28(96906)	EA	REF				*	*	*	*	*		1A1H191
P-H	5305-763-6963	SCREW,MACHINE MS51959-28 (96906)	EA	REF				*	*	*	*	*		1A1H192
P-H	5305-763-6963	SCREW,MACHINE 1551959-28 (96906)	EA	REF				*	*	*	*	*		1A1H193
P-H	5305-763-6963	SCREW,MACHINE MS51959-28 (96906)	EA	REF				*	*	*	*	*		1A1H194
P-H	5305-763-6963	SCREW,MACHINE MS51959-28 (96906)	EA	REF				*	*	*	*	*		1A1H195
P-H	5305-763-6963	SCREW,MMACHINE MS51959-28 (96906)	EA	REF				*	*	*	*	*		1A1H196
P-H	5305-763-6963	SCREW,MACHINE M51959-28 (96906)	EA	REF				*	*	*	*	*		1A1H197
P-R	5305-763-6963	SCREW,MACHINE MS51959-28 (96906)	EA	REF				*	*	*	*	*		1A1H198
P-H	5305-763-6963	SCREW,MACHINE MS51959-28 (96906)	EA	REP				*	*	*	*	*		1A1H199
P-H	5305-763-6963	SCREW,MACHINE MS51959-28 (96906)	EA	REF				*	*	*	*	*		1A1H200
P-H	5305-763-6963	SCREW,NACH1NE MS51959-28 (96906)	EA	REF				*	*	*	*	*		1AH201
X1-D		PAD,CUSHIONING 1165-113 (72314)	EA	8									3-4	1A1MP291
X1-D		PRD,CUSHIONING 1165-113 (72314)	EA	REP									3-4	1A1MP292
X1-D		PAD,CUSHIONING 1165-113 (72314)	EA	REP									3-4	1A1MP293
X1-D		PAD,CUSH1ON1G 1165-113 (72314)	EA	REF									3-4	1A1MP294
X1-D		PAD,CCUSHIONING 1165-111 (72314)	EA	REF									3-4	1A14P295
X1-D		PAD,CCUSHIONING 1165-113 (72314)	EA	REF									3-4	1A1MP296
X1-D		PAD,CUSHIONING 1165-113 (72311)	EA	REF									3-4	1AM1P297
X1-D		PAD,CtSH1ON1NG 1165-113 172314)	EA	REF									3-4	1A1.P298
X1-D		PRISM,OPTICAL, INSTRUMENT 1214-19 (72314)	EA	2									3-4	1A1MP299

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE [Continued]

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG.	ITEM NO. OR REFERENCE DESIGNATION
X1-D		PRISM,OPTICAL,INSTRUMENT 1214-19 (72314)	EA	REP								3-4	1A1MP 300	
X1-D		RING,BUMPER,ASSEMBLY 1076828 (72314)	EA	4									1A1MP301	
X1-D		RING,BUMPER,ASSEMBLY 1076828 (72114)	EA	REF									1A1MP302	
X1-D		RING,BUMPER,ASSEMBLY 1076828 (72314)	EA	REF									1A11MP303	
X1-D		RING, BUMPER,ASSEMBLY 1076828 (72314)	EA	REF									1A1MP304	
X2-D	5340-914-7586	BUMPER, PLASTIC 1276-120 (72314)	EA	REF									1A1MP305	
X2-D	5340-914-7586	BUMPER,PLASTIC 1076-120 (72314)	EA	REF								3-4	1A1MP305	
X2-D	5340-914-7586	BUMPER,PLASTIC 1076-120 (72314)	EA	REP								3-4	1A1MP307	
X2-D	5340-914-7586	BUMPER,PLASTIC 1076-120 (72314)	EA	REF								3-4	1A1MP308	
XZ-D	6720-914-9492	RING,EXTERNALLY THREADED 1076-121 (72314)	EA	4									3-4	1A1MP309
X2-D	6720-914-9492	RING,EXTERNALLY THREADED 1076-121 (72314)	EA	REF									3-4	1A1MP30
X2-D	6720-914-9492	RING,EXTERNALLY THREADED 1076-121 (72314)	EA	REF									3-4	1A1MP110
X2-D	6720-914-9492	RING, EXTERNALLY, THREADED 1076-121 (72314)	EA	REF									3-4	1A1MP312
X1-D		SETSCREW AN565ECH4 (d8044)	EA	REF									3-4	1A1MP314
X1-D		SETSCREW ANS65ECH4 (8(804)	EA	REF									3-4	1A1MP315
X1-D		SETSCREW AN565ECH4 (880144)	EA	REF									3-4	1A1MP316
X1-D		SETSCREW AN565ECH4 (88044)	EA	REF									3-4	1A1WP317
X1-D		SETSCREW AN565ECH4 (88044)	EA	REF									3-4	1A1MP318
X1-D		SETSCREW AN565ECH4 (98044)	EA	REF									3-4	1A1MP319
X1-D		SETSCREW AN565ECH4 (88044)	EA	REF									3-4	1A1MP320
X1-D		SPACER,PLATE 1093-47236) (880	EA	8									3-4	1A1MP321
X1-D		SPACER,PLATE 1093-4 (72314)	EA	REF									3-4	1AMP322
X1-D		SPACER,PLATE 1093-4 (72314)	EA	REF									3-4	1A1MP323
X1-D		SPACER,PLATE 1093-8 (72314)	EA	REF									3-4	1A1MP324
X1-D		SPACER,PLATE 1093-4 (72314)	EA	REF									3-4	1A1MP325
X1-D		SPACER,PLATE 1093-8 (72311)	EA	REF									3-4	1A1MP326
X1-D		SPACER,PLATE 1093-8(72314)	EA	REF									3-4	1A1MP327
X1-D		SPACER,PLATE 1093-8 (72313)	EA	REF									3-4	1A1MP328
P-H	6720-112-8776	PUCK 1214-279 (72314)	EA	1				*	*	*	*	*	3-4	1A1MP329
P-H	5305-068-5407	SCREW,SHOULDER MS16996-16 (96906)	EA	2				*	*	*	*	*	3-4	1A1H202

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5305-06H-5407	SCREW, SHOULDER MS816996-16 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H203
P-H	5340-804-6895	RING, RETAINING MS16624-1012 (96906)	EA	1				*	*	*	*	*		1A11P330
P-H	5340-721-8187	RING, RETAINING 4516624-1018 (96906)	EA	3				*	*	*	*	*		1A1MP331
P-1H	5340-721-8187	RING, RETAINING MS116624-1018 (96906)	EA	REF				*	*	*	*	*		1A1MP332
P-H	5340-721-8187	RING, RETAINING MS16624-1018 (96906)	EA	REF				*	*	*	*	*		1A1MP313
P-H	5340-298-6564	RING, RETAINING MS16624-4025 (96906)	EA	3				*	*	*	*	*	3-4	1A1MP334
P-H	5340-298-6564	RING, RETAINING MS16624-4025 (96906)	EA	REF				*	*	*	*	*	3-4	1A1MP335
P-H	5340-298-6564	RING, RETAINING MS16624-4025 (96906)	EA	REF				*	*	*	*	*	3-4	1A1MP336
P-11	5340-282-7120	RING, RETAINING MS16624-4037 (96906)	EA	1				*	*	*	*	*	3-4	1Ar1MP337
P-H	5340-080-9091	RING, RETAINING MS516626-4087 (96906)	EA	1				*	*	*	*	*	3-4	1A1P1338
M-D		SCREW, SHOULDER 1214-347 (72314)	EA	4									3-4	1A1H204
M-D		SCREW, SHOULDER 1214-347 (72314)	EA	REF									3-4	1A1H205
M-D		SCREW, SHOULDER 1214-347 (72314)	EA	REF									3-4	1A1H206
M-D		SCREW, SHOULDER 1214-347 (72314)	EA	REP									3-4	1A1H207
P-F	5961-978-5366	SEMICONDUCTOR DEVICE, DECODE 1N161(81349)	EA	1	*	*	*	*	*	*	*	*	3-7	1A1CR2
P-H	5961-957-6865	SEMICONDUCTOR DEVICE, DECODE 1N3611 (81349)	EA	1				*	*	*	*	*		11A1CR1
P-H	5305-820-6895	SETSCREW AN565AC2H4 (88044)	EA	2				*	*	*	*	*	3-4	1A1MP339
P-H	5305-82D-6895	SETSCREW AN565AC2H9 (88044)	EA	REF				*	*	*	*	*	3-4	1A1MP340
P-H	5305-980-5016	SETSCREW AN565FC6H12 (88044)	EA	1				*	*	*	*	*		1A1MP340
P-H-S	6720-106-7872	SHAFT, COUPLING ASSEMBLY 1214830 (72114)	EA	1				*	*	*	*	*	3-4	1A1MP342
X2-H		BRAKE, DRAG 1214-126 (72314)	EA	1									3-4	1A1MP341
P-H		BEARING, BALL, ANNULAR SFR1563PP*25 (83086)	EA	2				*	*	*	*	*	3-4	1A11P344
P-H		BEARING, BALL, ANNULAR SFR1563PPR25 (83086)	EA					*	*	*	*	*	3-4	1A1MP345
X1-H		CAM, CONTROL 1211-29 (72314)	EA	1									3-4	11AMP346
X2-H		COUPLING ASSEMBLY 121482 (72314)	EA	1										1A1MP347
X1-H		COUPLING 1214-15 (72314)	EA	1									3-4	1A1M(P348)
X1-H		PIN, STRAIGHT, HEADLESS 1214-16 (72314)	EA	1				*	*	*	*	*	3-4	1A1MP349
P-H	3020-118-8745	GEAR, SPUR 1214-14 (72314)	EA	1				*	*	*	*	*	3-4	1A1MP350
P-H	5315-722-6591	PIN, GROOVED, HEADLESS MS35672-16 (96906)	EA	1				*	*	*	*	*	3-4	1A1MNP351
P-H	5315-597-2828	PIN, TAPERED, PLAIN F114-50-6 (72314)	EA	1									3-4	1A1MP352
X2-H		PIN, STRAIGHT, HEADED 1214-352 (72114)	EA	1										1A1P353

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE [Continued]

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5340-721-8187	PIN,RETAING MS16624-1018 (96906)	EA	11				*	*	*	*	*		1A4354
X2-H	5340-550-5937	RING,RETAINING MS16632-4025(96906 7	EA	1										1A1PP355
X1-H		SHAFT, SHOULDER 1214-18 (73214)	EA	1									3-4	1A1MP356
X1-H		SHIM 1214-127-1 (72314)	EA	1									3-4	1A1MP358
X1-H		SHIM 1214-127-3(7231:4)	EA	1										1A1MP3!9
X1-H		SHIM 1214-127-4(72314)	EA	1									3-4	1A1M1P360
P-H	6720-112-8768	SHAFT,SHOULDER 1214-5 (72314)	EA	2				*	*	*	*	*	3-4	1A1MP356
P-H	6720-112-8764	SHAFT.SHOULDOR 1214-5 (72 311)4	EA	REF				*	*	*	*	*	3-4	1A1MP360
X1-D		SHIELD 1214-326 (72314)	EA	1									3-4	1A1MP362
P-H	5305-777-6039	SCREW,MACHINE MS51959-12 (96906)	EA	2				*	*	*	*	*	3-4	1A1H208
P-H	5305-777-6039	SCPR1,MACH1N-E MS51959-12 (96906)	EA	REF				*	*	*	*	*	3-4	1A1H209
P-H	531665-1,-7037	SHIM F200-2c107(72314)	EA	2									3-4	1A1MP363
P-H	5165-168-7037	SHIM F200-2C107 (723141)	EA	REF				*	*	*	*	*	3-4	1A1MP4364
P-H	6760-923-3054	SHIM F200-2C74 (72314)	EA	4				*	*	*	*	*	3-4	1A1M4P365
P-H	6760-923-3054	SHIM F200-2C74 (7231.)	EA	REF				*	*	*	*	*		1A1MP366
P-H	6760-923-3054	SHIM F200-2C74 (72314)	EA	1				*	*	*	*	*	3-4	1A1MP367
P-H	6760-923-3054	SHIM F200-2C74 (72314)	EA	REF				*	*	*	*	*	3-4	1A1MP668
P-H	6760-923-3054	SHIM F200-2C74 (72314),	EA	REF				*	*	*	*	*	3-4	1A1MP368
X1-H		SHIM 1193-718-1 (72314)	EA	1										1A1MP369
X1-H		SHIM 1193-718-2(72314)	EA	1										1A1MP370
X1-H		SHIM 1193-718-3 (72314)	E A	1										1A1MP371
X1-H		SHIM 1193-718-4(72314)	EA	1										1A1MP372
X1-H		SHIM 1214-127-1(72314)	E-A	1										1A1MP373
X1-H		SHIM 1214-127-2(72314)	EA	1										1A1P374
X1-H		SHIM 1214-127-3 (72314)	EA	1										1A11P375
X1-H		SHIM 1214-127-4 (72314)	EA	1										1A1HM376
X1-H		SHIM 121N-127-5(72314)	EA	1									3-3	1A1P377
X1-H		SHIM 1214-127-6(72314)	EA	1									3-3	1A1MP378
X1-H		SHIM 1214-127-7(72314)	EA	1									3-3	1A11P379
P-H		SOLENOIM 1214-3327- (72314)	EA	1				*	*	*	*	*	3-3	1A1MP37
P-H	5310-167-1374	NUT.PLARIN,HEXAGON AN34-C3(88044)	EA	2				*	*	*	*	*	3-4	1A1H210

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SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE [Continued]

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION
P-R	5310-595-6211	NUT,PLAIN,HEXAGON	EA	REF									3-4	1A1H12
P-H	5310-55-6211	WASHER, FLAT MS15795-803 (96906)	EA	REF										1A1H212
P-H	5315-273-8015	PIN,GRDOVED,HEADLESS MS35672-7(46906))	EA	1				*	*	*	*	*	3-4	1A1MP380
P1-H		SOLENOID,ELECTRICAL 1214-95 (72314)	EA	1										1A1L1L1
P-D		SPRING,STRAIGHT 1214-345 (72314)1T	EA	2									3-4	1A1MP3H1
M-D		SPRING,STRAIGHT 1214-345 (72314)	EA	REF									3-4	1A1MP382
P-H	6720-107-4416	SPHOCKET,FLANGE ASSEMBLY 121489 (72314)	EA	1				*	*	*	*	*	3-4	1A1HP1393
P-H	6720-107-4408	SPROCXET,SHAM ASSEMBLY 1214825 (72314)	EA	1				*	*	*	*	*		1A1MP384
P-H		GEAR,HELICAL 1214-78 (72314)	EA	1									3-4	1A11P35
P-D	5315-228-2822	PIN,TAPERED,PLAIN FM14-50-11 (72314)	EA	1							*	*	3-4	1A1MP386
P-H	5315-597-2428	PIN,TAPERED,PLAIN F114-50-6 (72314)	EA	REF				*	*	*	*	*		1A1MP387
P-H		SHAFT STRAIGHT 1214-99 (72314)	EA	1									3-4	1A1MP188
X1-H		SPRING,FLANGE ASSMEBLY 1214831 (72314)	EA	1									3-4	1A 1MP389
P-H		SPRING,HELICAL,TENSION 1214-176 (72314)	EA	1				*	*	*	*	*	3-4	1A1MP39
P-H	6720-112-6773	SPROCKET,CAM ASSEMBLY 1214824 (72)314)	EA	3				*	*	*	*	*		1A1MP391
P2-H	5375-825-3748	PIN,GROOVED, HEADLESS MS35672-18 (96906)	EA	1				*	*	*	*	*		1A1MP392
P-H	5315-825-3748	PIN, HOOVED., HEADLESS MS35672- 18 (96906)	EA	1				*	*	*	*	*		1A1MP393
P-H	5315-167-3241	PIN,TAPERED,PLAIN F114-50-8 (72314)	EA	1									3-4	1A1MP394
P-D		SH1FT,STRAIGHT PSP2497A1578 (72314)	EA	1									3-4	1A1MP 395
X2-H		SPROCKET,CAM ASSEM3LY 121488(72314)	EA	1										1A1RP396
X2-H		CAM,CONTROL 1214-170 (72314)	EA	1									3-4	1A1MP397 0
X2-H	5315-939-1146	PIN,STRAIGHT, HEADLESS M616555-605 (9690,6)	EA	1										1A1MP 398
X2-H		SPROCKET,WHEEL 1214-150-2 (72314)	EA	1									3-4	1A14P399
P-F	5140-221-0115	STRIFE,CATCH 1093-144 (72314)	EA	4	*	*	*	*	*	*	*	*	3-4	1A1MP400
P-F	5340-221-0115	STIFE,CATCH 1393-144 (72314)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1MP4 01
P-F	5340-221-0115	STRIFE,CATCH 1093-144 (72314)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A1MP4D02
P-F	5340-221-0115	STRIFE,CA1CH 1293-144 (72314)	EA	REF	*	*	*	*	*	*	*	*	3-4	1A4MP4 03
X2-H		SUPPORT,MOTOR 1214-198 (72314)	EA	1										1A1MP404
P-F	5930-463-3059	SWITCH,SENSITIVE 1214-96 (72314)	EA	1	*	*	*	*	*	*	*	*	3-4	1A1S1
P-H	5305-959-1910	SCREW,CAP,SOCKEAHEAD MS16996-3 (96906)	EA	1				*	*	*	*	*	3-4	1A1H214

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5940-601-9771	TERMINAL BOARD 25TB5 (81344)	EA	1				*	*	*	*	*	3-4	1A1TB1
P-11	530T54-6553	SCREW,MACHINE MS51957-29(96906)	EA	4				*	*	*	*	*		1A1H215
P-P	5105-051-6653	SCREW,MACHINE MS51957-29 (96906)	EA	REF				*	*	*	*	*		1A1H216
P-H	5305-054-6653	SCREW,MACINE 9051957-29(96906)	EA	REF				*	*	*	*	*		1A1H217
P-H	5305-054-6653	SCREW, MACHINE MS51957-29 (96906)	EA	REF				*	*	*	*	*		1A1H218
X2-H	5940-926-9869	TERMINAL STUD SE180E01 (81349)	EA	2										1A1E1
X2-H	5940-926-9869	TERMINAL STUD 0S18 0EO1(8134 9)	EA	REF										1A1E2
X2-H	9940-144-2153	TERMINAL STUD 1143-769 (72314)	EA	2									3-4	1A1EM
X2 -H	5940-144-2353	TERMINAL STUD 1113-769 (72314)	EA	REF									3-4	1A1E4
P-H	6720-107-4413	TRUNNION 1214-21 (72314)	EA	1				*	*	*	*	*	3-4	1A1P435
P-6	6720-107-4411	TRUNNION 1214-47 (72314)	EA					*	*	*	*	*	3-4	1A18P406
P-1	5910-710-0528	WASHER, SPRING,TENSION 06-1 (00141)	EA					*	*	*	*	*		1A1MP437
P2-H		WEIGHT,BALANCE 06-1 (001410)	EA	2									3-4	1A1MP408
P2-H		WEIGHT, BALANCE 1214-6 (72314)	EA	REF									3-4	1A1MP409
P-6	6720-107-4417	WINDOW,OPTICAL INSTRUMENT 1214-208 (72314)	EA					*	*	*	*	*	3-4	1A1MP110
P-D	5995-470-5565	WIRING HARNESS 1214897 (72314)	EA	1							*	*	3-4	1A1W1
X2-D		BLOCK CONNECTOR MS18177 (96906)	EA	1							*	*	6-37	1A1W1J3
P-D		CONNECTOR,PLUG,ELECTRICAL M2T10XS2N054(09922)	EA	1							*	*	6-37	1A1W1J2
P-D	5935-725-4446	CONNECTOR,RECEPTACLE,ELEC SF3122E20-39P(96906)	EA	REF							*	*	6-3	1A1W1J1
P-F	51935-052-2101	CONTACT,ELETRICAL 4S17804-16-20 (96906)	EA	5	*	*	*	*	*	*	*	*		1A1W1EA
P-F	5935-052-2301	CONTACT,ELECTRICAL 9217804-16-20(96906)	EA	REF	*	*	*	*	*	*	*	*		1AS14E2
P-F	5935-052-2301	CONTACT,ELECTRICAL 4S17804-16-20 (96906)	EA	REF	*	*	*	*	*	*	*	*		1A1W1E1
P-F	5935-052-2301	CONTACT,ELETRICAL 5917804-16-20 (96906)	EA	REF	*	*	*	*	*	*	*	*		1A1W1E4
P-F	5935-052-2301	CONTACT ELECTRICAL MS1780-16-20 (96906)	EA	REF	*	*	*	*	*	*	*	*		1A1W1E1
P-F	5935-052-2301	CONTACT,ELECTRICAL MS17804-16-20 (96906)	EA	REF	*	*	*	*	*	*	*	*		1A1W1E6
P-F	5935-052-2301	CONTACT,ELECTRICAL MS517806-16-20 (96906)	EA	REF	*	*	*	*	*	*	*	*		1A1W1E7
P-F	5935-052-2301	CONTACT,ELECTRICAL MS178 04-16-20 (96906)	EA	REF	*	*	*	*	*	*	*	*		1A1W1ES
P-F	5935-052-2301	CONTACT,ELECTRICAL 017904-169-20 (96906)	EA	REF	*	*	*	*	*	*	*	*		1A1W1E9
PF	5935-052-2301	CONTACT,ELECTRICAL MS17804-16-20 (96906)	EA	REP	*	*	*	*	*	*	*	*		1AWE10
P-H	5994-239-3350	CONTACT ELECTRICAL MS18233 (96906)	EA	10				*	*	*	*	*		1A1WE11
P-H	5999-239-3350	CONTACT,ELECTRICAL M1-8233(96906)	EA	REF				*	*	*	*	*		1A1W1E12

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5999-239-3150	CONTACT,ELECTRICAL MS18233 (96906)	EA	REF				*	*	*	*	*		1A1E13
P-H	5999-113150	CONTACT,ELECTRICAL MS18233 (96906)	EA	REF				*	*	*	*	*		1A1W1E14
P-H	5999-219-9350	CONTACT,ELECTRICAL MS318233 (96406)	EA	REF				*	*	*	*	*		1A1WE15
P-H	5999-239-3350	CONTACT,ELECTRICAL MS118233 (96906)	EA	REF				*	*	*	*	*		1A1WE16
P-H	5999-219-3150	CONTACT,ELECTRICAL MS11233 (969 6)11	EA	REF				*	*	*	*	*		1A1WE16
P-H	5999-219-3350	COOTACT,ELECTRICAL MS18233 (96906)	EA	REF				*	*	*	*	*		1A1W1E17
P-H	5999-239-1350	CONTACT,ELECTRICAL MS18233 (96906)	EA	REF				*	*	*	*	*		1A1W1E18
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)	EA	REF				*	*	*	*	*		1A1W20
X2-D	5935-110-7735	JACKSCREW 1014396-1 (96906)	EA	1										1A1MP411
X2-D	5435-110-7736	JACKSCREW M18(96-2 (96906)	EA	1										1A1MP412
X2-D		POST,ELECTRICAL-MECHANICAL EQUIPMENT 1214-196 (72314)1	EA	1										1A1MP413
X2-D		POST,ELECTRICAL-MECHANICAL EQUIPMENT 1214-196 (72314)	EA	REF										1A1W1P414
P-H	5305-054-6655	SCREW,MACHINE MS31957-31 (96906)	EA	2				*	*	*	*	*	6-37	1A1W1H219
P-H	5305-054-6655	SCREW,MACHINE MS31957-31 (96906)	EA	REF				*	*	*	*	*	6-37	1A1W1H220
P-H	5940-577-3711	TERMINAL,LUG 1'25036-3 (96906)	EA	2				*	*	*	*	*		1A1W1E21
P-H	594D-577-1711	TERMINAL,LUG MS25036-3 (96906)	EA	REF				*	*	*	*	*		1A1W1E22
P-H	5946-557-4198	TERMINAL,LUG MS25036-3 (96906)	EA	5				*	*	*	*	*		1A11E23
P-H	5940-557-4139	TERMINAL,LUG MS25036-48 (96906)	EA	REF				*	*	*	*	*		1A1W1E24
P-H	5940-557-4198	TERMINAL,LUG MS25036048 (96906)	EA	REF				*	*	*	*	*		1A1W1E25
P-H	5940-557-4398	TERMINAL,LUG MS25036-48 (96906)	EA	REF				*	*	*	*	*		1A1W1E26
P-H	5940-557-4398	TERMINAL,LUG MS25036-48 (96906)	EA	REF				*	*	*	*	*		1A1W1E27
X2-L		WIRING HARNESS 1214843 (72314)	EA	1										1A1W2
X2-H	5940-557-4398	TERMINAL,LUG M3250136-8 (96906)	EA	2				*	*	*	*	*		1A1W2E1
P-H	594305-557-4398	TERMINAL,LUG MS25036-48 (96906)	EA	REF				*	*	*	*	*		1AW2E2
G-0-S	6720-690-7609	CAMERA,CONTROL LA-412A 121436 (72114)	EA	1										1A2
X2-H		BAR,MOUNTING 1214-274 (72114)	EA	2									3-9	1A2MP415
X2-H		BAR,MOUNTING 1214-274 (72314)	EA	REF									3-9	1A2MP416
X2-H	5305-763-6962	SCREW,MACHINE MS51959-27 (96906)	EA	4										1A2H221
X2-H	5305-763-6962	SCREW,MACHINE MS51959-27 (96906)	EA	REF										1A28222
X2-H	5305-763-6962	SCREW,MACHINE MS51959-27 (96906)	EA	REF										1A2H223

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SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG.	ITEM NO. OR REFERENCE DESIGNATION
													NO.	
X2-H	5305-763-6962	SCREW, MACHINE MS51959-27 (96906)	EA	REF									1A2H224	
X2-H		CHASSIS, CAMERA CONTROL 1214D15 (7231 4)	EA	1									1A2MP417	
X1-1		CHASSIS 1214-152 (72314)	EA	1							3-8		1A2MP4 18	
X2-H	5310-208-2709	NUT, PLAIN, CLINCH CL832-2 (46384)	E.A	4									1A2MP419	
X2-H	5310-208-2709	NUT, PLAIN, CLINCH CL832-2 (46384)	EA	REF									1A2MP420	
X2-H	5313-206-2709	NUT, PLAIN, CLINCH CL832-2 (46384)	EA	REF									1A2MP42	
X2-H	5110-208-2709	NUT, PLAIN, CLINCH CL832-2 (46384)	EA	REF									1A2MP43	
X2-H	5310-971-0502	NUT, SHEET, SPRING 12-11015-14 (94222)	EA	1									1A2MP42	
X2-H	5320-655-4757	RIVET, SOLID MS20426A3-4 (96906)	EA	2									1A2H225	
X2-H	5320-655-4757	RIVET, SOLID MS20426A3-4(96906)	EA	REF									1A2H226	
P-H	5960-939-8957	RETAINER, PRINTED BOARD 1767-3 (18915)	EA	6				*	*	*	*	*	1A2MP424	
P-H	5963-939-8657	RETAINER, PRINTED BOARD 1787-3 (189115)	EA	REF				*	*	*	*	*	1A2NP425	
P-H	5960-939-8657	RETAINER, PRINTED BOARD 1737-3 (18915)	EA	REF				*	*	*	*	*	1A12MP426	
P-H	5960-939-8657	RETAINER, PRINTED BOARD 1787-3 (18915)	EA	REF				*	*	*	*	*	1A2MP427	
P-H	5960-939-8657	RETAINER, PRINTED BOARD 1787-3 (18915)	EA	REF				*	*	*	*	*	1A12MP287	
P-H	5960-939-8657	RETAINER, PRINTED BOARD 1787-3 (18915)	EA	REF									1A2MP429	
X2-H		RIVET, TUBULAR 1214-313 (72314)	EA	12									1A2H227	
X2-1		RIVET, TUBULAR 1214-313 (72114)	EA	REF									1A2H2289	
X2-H		RIVET, TUBULAR 1214-313 (72314)	EA	REF									1A2H230	
X2-H		RIVET, TUBULAR 1214-313(72314)	EA	REF									1A2H230	
X2-H		RIVET, TUBULAR 1214-313 (72314)	EA	REF									1A12H231	
X2-H		RIVET, TUBULAR 1214-313 (72314)	EA	REF									1A2H232	
X2-H		RIVET, TUBULAR 1214-313 (72314)	EA	REF									1A2H233	
X2-H		R1VET, TJU*ULAR 1214-313 (72314)	EA	REF									1A2H234	
X2-H		RIVET, TUBULAR 1214-313 (72314)	EA	REF									1A2H235	
X2-H		RIVET, TUBULAR 1214-313 (72314)	EA	REF									1A2H236	
X2-H		RIVET, TUBULAR 1214-313 (72314)	EA	REF									1A2H237	
X2-H		RIVET, TUBULAR 1214-313 (72314)	EA	REF									1A2H238	
P-F-S	6720-107-4390	CIRCUIT CARD ASSEMBLY 1214D10 (72314)	EA	1	*	*	*	*	*	*	*	3-8	1A2A3	
P-H	5910-022-5658	CAPACITOR, FIXED, CERAMIC C8ROSCW2218N (81349)	EA	1				*	*	*	*	6-	A23C3	
P-H	5910-106-7162	CAPACITOR, FIXED, CERAMIC C8R068X563XM (91349)	EA	2				*	*	*	*	6-24	1A2A3C2	

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5910-706-7162	CAPACITOR, FIXED, CERAMIC C806CW1038 (81349)	EA	REF				*	*	*	*	*	6-24	AC5
P-H	5910-706-4298	CAPACITOR, FIXED, CERAMIC CSR13G105RM (81369)	EA	2				*	*	*	*	*	6-24	1A2A3C1
P-H	5910-066-4298	CAPACITOR, FIXED, ELECTROLYTIC 131058M (61749)	EA	REF				*	*	*	*	*	6-24	1A2A3C7
P-H	5410-076-7227	CAPACITOR, FIXED, ELECTROLYTIC C8068X284 (811194)	EA	1				*	*	*	*	*	6-24	1A2A3C6
P-H	5341-903-9586	CLIP, SPRING TENSION NAS14648018-02C (80205)	EA	1				*	*	*	*	*		1A2MP430
P-H	5962--621-4995	RIVET, TUBULAR M616535-22 (96906)	EA	1				*	*	*	*	*		1A2AH239
X2-H		HEAT SINK MODEL211 (05820)	EA	1										1A2M431
P-H	5945-475-1052	INSULATOR, MOUNTING 13G 10507 (O1047:	EA	1				*	*	*	*	*		1A2A;M43
P-H	MICROELECTRONIC	CIRCUIT DEVICE 1214-112 (72314)	EA	1				*	*	*	*	*	6-24	1A2A3AR1
P-H	5961-945-2979	PAD, TRANSISTOR A10122 (07047)	EA	4				*	*	*	*	*		1A2A3MP433
P-H	5961-945-2979	PAD, TRANSISTOR A10122 (07047)	EA	REF				*	*	*	*	*		1A2A3MP434
P-H	5961-945-2979	PAD, TRANSISTOR A10122 (07047)	EA	REF				*	*	*	*	*		1A2A3MP435
P-H	5961-945-2979	PAD, TRANSISTOR A10122 (07047)	EA	REF				*	*	*	*	*		1A2A3MP436
P-H	5961-905-8509	PAD, TRANSISTOR 10026DAP (07047)	EA	10				*	*	*	*	*		1A2A3MP437
P-H	5961-905-8509	PAD, TRANSISTOR 10026DAP (07047)	EA	REF				*	*	*	*	*		1A2A3MP438
P-H	5961-905-8509	PAD, TRANSISTOR 10026DAP (07047)	EA	REF				*	*	*	*	*		1A2A3MP439
P-H	5961-905-8509	PAD, TRANSISTOR 10026DAP (07047)	EA	REF				*	*	*	*	*		1A2A3MP440
P-H	5961-905-8509	PAD, TRANSISTOR 10026DAP (07047)	EA	REF				*	*	*	*	*		1A2A3MP441
P-H	5961-905-8509	PAD, TRANSISTOR 10026DAP (07047)	EA	REF				*	*	*	*	*		1A2A3MP442
P-H	5961-905-8509	PAD, TRANSISTOR 10026DAP (07047)	EA	REF				*	*	*	*	*		1A2A3MP443
P-H	5961-905-8509	PAD, TRANSISTOR 10026DAP (07047)	EA	REF				*	*	*	*	*		1A2A3MP444
P-H	5961-905-8509	PAD, TRANSISTOR 10026DAP (07047)	EA	REF				*	*	*	*	*		1A2A3MP445
P-H	5961-905-8509	PAD, TRANSISTOR 10026DAP (07047)	EA	REF				*	*	*	*	*		1A2A3MP446
P-H	5961-977-5631	PAD, TRANSISTOR 10104 (07047)	EA	1				*	*	*	*	*		1A2A3MP447
P-H	5961-930-7486	PAD, TRANSISTOR 10191DAP (07047)	EA	1				*	*	*	*	*		1A2A3MP448
X1-H		PRINTED CIRCUIT BOARD 10191DAP (07047)	EA	1										1A2A3MP449
P-H	5945-945-1581	RELAY, ARMATURE RY4Y4B3P12	EA	1				*	*	*	*	*	6-24	1A2A3K1
P-H	5905-195-6806	RESISTOR, FIXED, COMPOSITION RC20GP102J (81349)	EA	1				*	*	*	*	*	6-24	1A2A3P16
P-H	5905-195-6806	RESISTOR, FIXED, COMPOSITION RC20GP102J (81349)	EA	16				*	*	*	*	*	6-24	1A2A3P8
P-H	5905-195-6806	RESISTOR, FIXED, COMPOSITION RC20GP102J (81349)	EA	REF				*	*	*	*	*	6-24	1A2A3P11

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF. NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT ALW PER 100 EQUIP	(10) ILLUSTRATION	
						(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
						1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R17
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R18
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R19
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R20
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R24
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R27
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R28
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R30
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R33
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R34
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R35
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R36
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R37
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R38
P-H	5905-11-4738	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	1				*	*	*	*	*	6-24	1A2A3R1
P-H	5905-190-8887	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	1				*	*	*	*	*	6-24	1A2A3R39
P-H	5905-104-8350	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	2				*	*	*	*	*	6-24	1A2A3R5
P-H	5905-104-8350	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R12
P-H	5905-141-1168	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	3				*	*	*	*	*	6-24	1A2A3R2
P-H	5905-141-1168	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R10
P-H	5905-141-1168	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R29
P-H	5905-171-2004	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	3				*	*	*	*	*	6-24	1A2A3R7
P-H	5905-171-2004	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R15
P-H	5905-171-2004	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-24	1A2A3R32
P-H	5905-279-1878	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	1				*	*	*	*	*	6-24	1A2A3R13
P-H	5905-192-3978	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	1				*	*	*	*	*	6-24	1A2A3R44
P-H	5905-249-4256	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	1				*	*	*	*	*	6-24	1A2A3R45
P-H	5905-192-4490	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	1				*	*	*	*	*	6-24	1A2A3R42
P-H	5905-171-1998	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	1				*	*	*	*	*	6-24	1A2A3R3
P-H	5905-279-3504	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	1				*	*	*	*	*	6-24	1A2A3R14
P-H	5905-104-8349	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	1				*	*	*	*	*	6-24	1A2A3R23

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SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF. NUMBER & MFR CODE	(4) USABLE ON CODE	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5905-111-4840	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)	EA	2				*	*	*	*	*	6-24	1A2A3R6
P-H	5905-111-4840	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)	EA	REF				*	*	*	*	*	6-24	1A2A3R31
P-H	5905-279-2634	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)	EA	1				*	*	*	*	*	6-24	1A2A3R26
P-H	5905-752-3308	RESISTOR, FIXED, COMPOSITION RN60C1211F (81349)	EA	1				*	*	*	*	*	6-24	1A2A3R4
P-H	5905-816-6311	RESISTOR, FIXED, FILM RN60C1211F (81349)	EA	1				*	*	*	*	*	6-24	1A2A3R21
P-H	5905-836-2859	RESISTOR, FIXED, FILM RN60C1211F (81349)	EA	1				*	*	*	*	*	6-24	1A2A3R9
P-H	5905-993-6985	RESISTOR, FIXED, FILM RW60C1211F (81349)	EA	1				*	*	*	*	*	6-24	1A2A3R43
P-H	5905-978-7702	RESISTOR, FIXED, WIREWOUND RW60C1211F (81349)	EA	1				*	*	*	*	*	6-24	1A2A3R41
P-H		RESISTOR, FIXED, WIREWOUND RW60C1211F (81349)	EA	1				*	*	*	*	*	6-24	1A2A3R40
P-H	5905-779-8137	RESISTOR, FIXED, WIREWOUND RJ228P503 (81349)	EA	1				*	*	*	*	*	6-24	1A2A3R22
P-H	5905-779-8374	RESISTOR, VARIABLE R022C2P101 (81149)	EA	1				*	*	*	*	*	6-24	1A2A3R25
P-H	5961-957-6865	SEMICONDUCTOR, DEVICE, DIODE 1N3611 (81349)	EA	5				*	*	*	*	*	6-24	1A2A3CP1
P-H	5961-957-6865	SEMICONDUCTOR, DEVICE, DIODE 1HJS11 (81349)	EA	REF				*	*	*	*	*	6-24	1A23CR2
P-H	5961-153-6859	SEMICONDUCTOR, DEVICE, DIODE 1N751A6 1 (81349)	EA	REF				*	*	*	*	*	6-24	1A2ASCR3
P-H	5961-957-6869	SEMICONDUCTOR, DEVICE, DIODE 1N751A6 1 (81349)	EA	REF				*	*	*	*	*	6-24	1A2A3VR4
P-H	5961-957-6865	SEMICONDUCTOR, DEVICE, DIODE 1N3611 (81349)	EA	REF				*	*	*	*	*	6-24	1A2A3VR5
P-H	5961-957-6865	SEMICONDUCTOR, DEVICE, DIODE 1N3611 (81349)	EA	1				*	*	*	*	*	6-24	1A2A3VR1
P-H	5961-953-6865	TRANSISTOR 1214-116 472314)	EA	1				*	*	*	*	*	6-24	1A2AQ12
P-H		TRANSISTOR R219-363 (17234)	EA	1				*	*	*	*	*	6-24	1A2A3R13
P-H	5310-939-0849	PUT, SELF-LOCKING, HEXAGON NS21083CD4 (96906)	EA	2				*	*	*	*	*		1A2h3H240
P-H	5310-937-0849	NUT, SELF-LOCKING, HEXAGON NS21083CD4 (96906)	EA	REF				*	*	*	*	*	6-2	1A2A3R41
P-H	5305-054-5650	SCREW, MACHINE MS21083C04 (96906)	EA	2				*	*	*	*	*		1A2A3H242
P-H	5305-054-5650	SCREW, MACHINE MS21083C04 (96906)	EA	REF				*	*	*	*	*		1A2A3H243
P-H	5310-595-6211	WASHER, FLAT MS21083C04 (96906)	EA	2				*	*	*	*	*		1A2A3H244
P-H	5310-595-6211	WASHER, FLAT MS21083C04 (96906)	EA	REF				*	*	*	*	*		1A2A3H245
P-H	5961-081-4816	TRANSISTOR 2N1485 (81349)	EA	1				*	*	*	*	*	6-24	1A2A3Q3
P-H	5961-951-8756	TRANSISTOR 2N1485 (81349)	EA	6				*	*	*	*	*	6-24	1A2A3Q1
P-H	5961-951-8756	TRANSISTOR 2N1485 (81349)	EA	REF				*	*	*	*	*	6-24	1A2A3Q2
P-H	5961-951-8756	TRANSISTOR 2N1485 (81349)	EA	REF				*	*	*	*	*	6-24	1A2A3Q4
P-H	5961-951-8756	TRANSISTOR 2N1485 (81349)	EA	REF				*	*	*	*	*	6-24	1A2A3Q5
P-H	5961-951-8756	TRANSISTOR 2N1485 (81349)	EA	REF				*	*	*	*	*	6-24	1A2A3Q6

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5961-951-8756	TRANSISTOR 2N2222 (81349)	EA	REF				*	*	*	*	*	6-24	1A2A3011
P-H	5961-951-8757	TRANSISTOR 2H2222A (81349)	EA	1				*	*	*	*	*	6-24	1A2A3Q10
P-H	5961-925-3777	TRANSISTOR 2N2907 (81349)	EA	1				*	*	*	*	*	6-24	1A2A3P7
P-H	5961-925-3777	TRANSISTOR N22907 (81349)	EA	REF				*	*	*	*	*	6-24	1A2A308
P-H	59)61-925-3777	TRANSISTOR 2H2907(81349)	EA	REF				*	*	*	*	*	6-24	1A21Q9E
P-H-1672	107-4391	C1RCU1T CARD ASSEMBLY 1214011(7213)	EA	REF				*	*	*	*	*	3-8	1A142T6
P-H	5910-990-4881	CAPACITOR, FIXED, CERAMIC C805CW2211((81349)	EA	1				*	*	*	*	*	6-26	1A2A4C7
P-H		CAPACITOR, FIXED, CERAMIC 8131-10D651-474m (16512)	EA	1				*	*	*	*	*	6-26	1A2ANC9
P-H	5910-998-4105	CAPACITOR, FIXED, ELECTROLYTIC CSR13F476RM (81349)	EA	2				*	*	*	*	*	6-26	1A2A2A4C1
P-H	5910-998-4105	CAPACITOR, FIXED, ELECTROLYTIC CSR13P476RM (81349)	EA	REF				*	*	*	*	*	6-26	1AT214C
P-H	5910-068-4298	CAPACITOR, FIXED, ELECTROLYTIC CSR13G1OSRM (81349)	EA	3				*	*	*	*	*	6-26	1A2A4C5
P-H	5910-068-4298	CAPACITOR, FIXED, ELECTROLYTIC CSR13G1OS*M (81349)	EA	REF				*	*	*	*	*	6-26	1A2AC
P-H	591-068-4298	CAPACITOR, FIXED, ELECTROLYTIC CSR13G205XM (81349)	EA	REF				*	*	*	*	*	6-26	1A12AAC9
P-H	5910-067-4413	CAPACITOR, FIXED, ELECTROLYTIC CSR13G475*M (81349)	EA	1				*	*	*	*	*	6-26	1A2A4C2
P-H		CAPACITOR, FIXED, ELECTROLYTIC 1214-369 (72314) A	EA	REF				*	*	*	*	*	6-26	1A2A3C
P-H	5945-915-1052	INSULATOR, MOUNTING 10105 (07047)	EA	3				*	*	*	*	*		1A24MP450
P-H	5945-915-1052	INSULATOR, MOUNTING 10105 (07047)	EA	REF				*	*	*	*	*		1A2A4P451
P-H	5945-915-1052	INSULATOR, MOUNTING 10105 (07047)	EA	REF				*	*	*	*	*		1A24MP452
P-H	5962-886-9544	MICROELECTRONIC CIRCUIT DEVICE 1214-106 (723114)	EA	1				*	*	*	*	*	6-26	14A2A492
P-H	5962-461-3195	MICROELECTRONIC CIRCUIT DEVICE 1214-112 (72314)	EA	1				*	*	*	*	*	6-26	1A2A4AR1
P-H	5901-115-8157	PAD, TRANSISTOR 00 F50DAP (07047)	EA	4				*	*	*	*	*		1A2AMP453
P-H	5961-905-8509	PAD, TRANSISTOR 10026DAP (07047)	EA	1				*	*	*	*	*		1A2AMP54
P-H	5961-905-8509	PAD, TRANSISTOR 10026DAP (07047)	EA	REF				*	*	*	*	*		1A2AMP455
P-H	5961-905-8509	PAD, TRANSISTOR 100260AP (07047)	EA	REF				*	*	*	*	*		1A2A4P456
P-H	5961-905-8509	PAD, TRANSISTOR 10026oA(07047)	EA	REF				*	*	*	*	*		1A24MP457
X1-H		PRINTED CIRCUIT BOARD 1214-201 (72 316)	EA	1				*	*	*	*	*		1A2AMP458
P-H	5945-945-1581	RELAY, ARMATURE RY-4YY43P2 (81349)	EA	3				*	*	*	*	*	6-26	1A2A44(
P-H	5945-945-1581	RELAY ARMATURE RY4YY483P12 (81349)	EA	REF				*	*	*	*	*	6-26	1A2AR2
P-H	5945-945-1501	RELAY ARMATURE RY3143P112(81369)	EA	REF				*	*	*	*	*	6-26	1A24413
P-H	5905-190-8883	RESISTOR, FIXED, COMPOSITION RC200r1007 (81349)	EA	1				*	*	*	*	*	6-26	14244R23
P-H	5905-195-6806	RESISTOR, FIXED, COMPOSITION 4C20GF102J7 (81349)	EA	2				*	*	*	*	*	6-26	1A2A4RS

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF. NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
						(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
						1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5905-195-6806	RESISTOR, FIXED, COMPOSITION RC20GP102J		EA	REF				*	*	*	*	*	6-26	1A2A4R16
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GP103J		EA	3				*	*	*	*	*	6-26	1A2A4R4
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GP103J		EA	REF				*	*	*	*	*	6-26	1A2A4R7
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GP103J		EA	REF				*	*	*	*	*	6-26	1A2A4R17
P-H	5905-111-4738	RESISTOR, FIXED, COMPOSITION RC20GP152J		EA	1				*	*	*	*	*	6-26	1A2A4R24
P-H	5905-104-8350	RESISTOR, FIXED, COMPOSITION RC20GP221J		EA	2				*	*	*	*	*	6-26	1A2A4R20
P-H	5905-104-8350	RESISTOR, FIXED, COMPOSITION RC20GP221J		EA	REF				*	*	*	*	*	6-26	1A2A4R38
P-H	5905-141-1168	RESISTOR, FIXED, COMPOSITION RC20GP223J		EA	3				*	*	*	*	*	6-26	1A2A4R30
P-H	5905-141-1168	RESISTOR, FIXED, COMPOSITION RC20GP223J		EA	REF				*	*	*	*	*	6-26	1A2A4R31
P-H	5905-141-1168	RESISTOR, FIXED, COMPOSITION RC20GP223J		EA	REF				*	*	*	*	*	6-26	1A2A4R32
P-H	5905-171-2004	RESISTOR, FIXED, COMPOSITION RC20GP223J		EA	1				*	*	*	*	*	6-26	1A2A4R18
P-H	5905-517-1206	RESISTOR, FIXED, COMPOSITION RC20GP271J		EA	1				*	*	*	*	*	6-26	1A2A4R13
P-H	5905-141-1130	RESISTOR, FIXED, COMPOSITION RC20GP272J		EA	3				*	*	*	*	*	6-26	1A2A4R40
P-H	5905-141-1130	RESISTOR, FIXED, COMPOSITION RC20GP272J		EA	REF				*	*	*	*	*	6-26	1A2A4R41
P-H	5905-141-1130	RESISTOR, FIXED, COMPOSITION RC20GP272J		EA	REF				*	*	*	*	*	6-26	1A2A4R42
P-H	5905-110-0310	RESISTOR, FIXED, COMPOSITION RC20GP392J		EA	1				*	*	*	*	*	6-26	1A2A4R6
P-H	5905-279-3504	RESISTOR, FIXED, COMPOSITION RC20GP472J		EA	3				*	*	*	*	*	6-26	1A2A4R8
P-H	5905-279-3504	RESISTOR, FIXED, COMPOSITION RC20GP472J		EA	REF				*	*	*	*	*	6-26	1A2A4R29
P-H	5905-279-3504	RESISTOR, FIXED, COMPOSITION RC20GP472J		EA	REF				*	*	*	*	*	6-26	1A2A4R39
P-H	5905-141-0597	RESISTOR, FIXED, COMPOSITION RC20GP513J		EA	1				*	*	*	*	*	6-26	1A2A4R9
P-H	5905-195-6453	RESISTOR, FIXED, COMPOSITION RC20GP562J		EA	1				*	*	*	*	*	6-26	1A2A4R28
P-H	5905-806-4457	RESISTOR, FIXED, COMPOSITION RC20GP102J		EA	1				*	*	*	*	*	6-26	1A2A4R3
P-H	5905-106-1247	RESISTOR, FIXED, COMPOSITION RC20GP221J		EA	1				*	*	*	*	*	6-26	1A2A4R19
P-H	5905-810-1055	RESISTOR, FIXED, FILM (SELECT AT TEST) RN60C1C1000F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R15
P-H	5905-978-6412	RESISTOR, FIXED, FILM (SELECT AT TEST) RN60C1C1020F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R15
P-H	5905-449-6212	RESISTOR, FIXED, FILM (SELECT AT TEST) RN60C1C1022D (81349)		EA	2				*	*	*	*	*	6-26	1A24R1
P-H	5905-449-6212	RESISTOR, FIXED, FILM (SELECT AT TEST) RN60C1C1022D (81349)		EA	REF				*	*	*	*	*	6-26	1A2A4R2
P-H	5905-766-8371	RESISTOR, FIXED, FILM (SELECT AT TEST) RN60C1C1050F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R15
P-H	5905-752-3308	RESISTOR, FIXED, FILM RN60C1C1211F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R27
P-H	5905-059-9114	RESISTOR, FIXED, FILM (SELECT AT TEST) RN60C1C1302F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R22

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF. NUMBER & MFR CODE	(4) USABLE ON CODE	(5) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
						(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
						1-20	21-50	51-100	1-20	21-50	51-100			FIG.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5905-752-6997	RESISTOR, FIXED, FILM RN60C1332F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R22
P-H	5905-059-9116	RESISTOR, FIXED, FILM RN60C1372F (81349)		EA	2				*	*	*	*	*	6-26	1A2A4R22
P-H	5905-059-9116	RESISTOR, FIXED, FILM RN60C1372F (81349)		EA	REF				*	*	*	*	*	6-26	1A2A4R35
P-H	5905-059-9117	RESISTOR, FIXED, FILM RN60C1402F (81349)		EA	2				*	*	*	*	*	6-26	1A2A4R22
P-H	5905-059-9117	RESISTOR, FIXED, FILM RN60C1402F (81349)		EA	REF				*	*	*	*	*	6-26	1A2A4R35
P-H	5905-879-6995	RESISTOR, FIXED, FILM RN60C1432F (81349)		EA	2				*	*	*	*	*	6-26	1A2A4R22
P-H	5905-879-6995	RESISTOR, FIXED, FILM RN60C1432F (81349)		EA	REF				*	*	*	*	*	6-26	1A2A4R35
P-H	5905-843-5197	RESISTOR, FIXED, FILM RN60C1472F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R35
P-H	5905-812-2483	RESISTOR, FIXED, FILM RN60C1502F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R35
P-H	5905-810-7778	RESISTOR, FIXED, FILM RN60C1542F (81349)		EA	2				*	*	*	*	*	6-26	1A2A4R25
P-H	5905-810-7778	RESISTOR, FIXED, FILM RN60C1542F (81349)		EA	REF				*	*	*	*	*	6-26	1A2A4R35
P-H	5905-752-6646	RESISTOR, FIXED, FILM RN60C2002F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R26
P-H	5905-941-4528	RESISTOR, FIXED, FILM RN60C2003F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R12
P-H	5905-833-5819	RESISTOR, FIXED, FILM RN60C2003F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R21
P-H	5905-816-6311	RESISTOR, FIXED, FILM RN60C2212F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R34
P-H	5905-854-8118	RESISTOR, FIXED, FILM RN60C2322F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R34
P-H	5905-834-6633	RESISTOR, FIXED, FILM RN60C2432F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R34
P-H	5905-733-9392	RESISTOR, FIXED, FILM RN60C2552F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R34
P-H	5905-809-7805	RESISTOR, FIXED, FILM RN60C2672F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R34
P-H	5905-810-0945	RESISTOR, FIXED, FILM RN60C2802F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R34
P-H	5905-878-5808	RESISTOR, FIXED, FILM RN60C2942F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R34
P-H	5905-843-6625	RESISTOR, FIXED, FILM RN60C5902F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R33
P-H	5905-752-3601	RESISTOR, FIXED, FILM RN60C6190F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R14
P-H	5905-850-6880	RESISTOR, FIXED, FILM RN60C6810F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R36
P-H	5905-810-1003	RESISTOR, FIXED, FILM RN60C7322F (81349)		EA	1				*	*	*	*	*	6-26	1A2A4R37

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SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5905-782-7983	RESISTOR, FIXED, FILM (SELECT AT TEST). RN60C97R6F (81319)	EA	1				*	*	*	*	*	6-26	1A2A4R15
P-H	5905-904-642	RESISTOR, FIXED, FILM (SELECT AT TEST). RN60D5363F (81319)	EA	1				*	*	*	*	*	6-26	1A2A1R10
P-H	5905-709-2680	RESISTOR, FIRED., FILM (SELECT AT TEST). RN60D5493F (81319)	EA	1				*	*	*	*	*	6-26	1A2A8R10
P-H	5905-983-5826	RESISTOR, FIXED, FILM (SELECT AT TEST). RN60D5623F (81349)	EA	1				*	*	*	*	*	6-26	1A2AAR10
P-H	5905-925-1617	RESISTOR, FIXED., FILM RN65C5233D (81389)	EA	1				*	*	*	*	*	6-26	1A2A4411
P-H	5961-957-6865	SEMICONDUCTOR DEVICE, DIODE 1N1611 (81349)	EA	8				*	*	*	*	*	6-26	1A2AUCR1
P-H	5961-957-6865	SEMICONDUCTOR DEVICE, DIODE 1N3611 (81349)	EA	REF				*	*	*	*	*	6-26	1A2AUCR2
P-H	5961-957-6865	SEMICONDUCTOR DEVICE, DIODE 1N611 (81349)	EA	REF				*	*	*	*	*	6-26	1A2ANCR3
P-H	5961-957-6865	SEMICONDUCTOR DEVICE, DIODE 1N3611 (81319)	EA	REF				*	*	*	*	*	6-26	1A2A4CR4
P-H	5961-957-6865	SEMICONDUCTOR DEVICE, DIODE 1N3611 (81309)	EA	REF				*	*	*	*	*	6-26	1A2A4CR%
P-H	5961-957-6865	SEMICONDUCTOR DEVICE, DIODE 1N3611 (81399)	EA	REF				*	*	*	*	*	6-26	1A2A4CR6
P-H	5961-957-6865	SEMICONDUCTOR DEVICE, DIODE 1N3611 (81399)	EA	REF				*	*	*	*	*	6-26	1A2A4CR7
P-H	5961-957-6865	15361 SEMICONDUCTOR DEVICE, DIODE 1N3611 (81349)	EA	REF				*	*	*	*	*	6-26	1A2A8CRS
P-H		SEMICONDUCTOR DEVTCE, DIODE 144063A (85252)	EA	1				*	*	*	*	*	6-26	1A2A4VR2
P-H	5961-821-2309	SEMICONDUCTOR DEVICE, DIODE 11751A (81349)	EA	2				*	*	*	*	*	6-26	1A2A4VR3
P-H	5961-821-2309	SEMICONDUCTOR DEVICE, DIODE 1N751A (81349)	EA	REF				*	*	*	*	*	6-26	1A2A4VR4
P-H	5961-995-2310	SEMICONDUCTOR DEVICE, DIODE 1N752A (81349)	EA	2				*	*	*	*	*	6-26	1A2A4VR1
P-H	5961-995-2310	SEMICONDUCTOR DEVICE, DIODE 1N752A (81349)	EA	REF				*	*	*	*	*	6-26	1A2A4Vk5
P-H	5961-463-3053	TRANSISTOR 1214-105 (72314)	EA	1				*	*	*	*	*	6-26	1A2A8Q2
P-H	5961-951-8756	TRANSISTOR 2N2222(8)349	EA	1				*	*	*	*	*		1A2AC3
P-H	5961-951-8757	TRANSISTOR 2N22228 (81349)	EA	2				*	*	*	*	*		1A2A4Q1
P-H	5961-951-8757	TRANSISTOR 2N2222A (81319)	EA	REF				*	*	*	*	*	6-26	1A2A4Q4
P-H-5672	107-4393	CIRCUIT CARD ASSEMBLY 1214D017 (72314)	EA	1	*	*	*	*	*	*	*	*	3-8	1A2A5
P-H	5910-064-3305	CAPACITOR, FIXED, CERAMIC C1R006CW10401 (81389)	EA	1				*	*	*	*	*	6-26	1A2A5C11
P-H	5910-106-7161	CAPACITOR, FIXED, CERAMIC CXR06CW10N*P (81349)	EA	2				*	*	*	*	*	6-26	1A2ASC9
P-H	5910-106-7161	CAPACITOR, FIXED, CERAMIC CER06CW101*P (81349)	EA	REF				*	*	*	*	*	6-22	1A2ASC10
P-H	5910-990-4881	CAPACITOR, FIXED, CERAMIC C105CC221 (81349)	EA	3				*	*	*	*	*	6-26	1A2A5C4
P-H	5910-990-4881	CAPACITOR, FIXED, CERAMIC EA CK0SC1221E (81349)	REF					*	*	*	*	*	6-26	1A2ASC6
P-H	5910-990-4881	CAPACITOR, FIXED, CERMAIC CK05C221E (81349)	EA	REF				*	*	*	*	*	6-22	1A2ASC8
P-H		CAPACITOR, FIXED, CERAMIC 8131-100-651-47411, (16512)	EA	2				*	*	*	*	*	6-22	1A2A5C3

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF. NUMBER & MFR CODE	(4) USABLE ON CODE	(5) UNIT OF MEAS	(6) 30 DAY DS MAINT ALLOWANCE	(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT ALW PER 100 EQUIP	(10) ILLUSTRATION				
						(A)	(B)	(C)			(A)	(B)	(C)	(A)	(B)
						1-20	21-50	51-100			1-20	21-50	51-100	FIG.	ITEM NO. OR REFERENCE DESIGNATION
P-H		CAPACITOR FIXED CERAMIC 8131-100-651-474M (16512)		EA	REF		*	*	*			6-22	1A2A5C7		
P-H	5910-068-4298	CAPACITOR, FIXED, ELECTROLYTIC CSR136105RM (81349)		EA	1		*	*	*			6-22	1A2A5C2		
P-H	5910-481-8109	CAPACITOR, FIXED LP9K18205J (72314)		EA	1		*	*	*			6-22	1A2ASC5		
X2-H	5340-115-6077	CLIP, SPRING TENSION NAS1464032-04C (80205)		EA	2								1A2A5MP459		
X2-H	5340-115-6077	CLIP, SPRING TENSION N, A1464032-04C (80205)		EA	REF								1A2ASMP5		
X2-H	5320-721-5244	RIVET, TUBULAR MS16535-77 (96906)		EA	2								1A2ASH246		
X2-H	5320-721-5244	RIVET, TUBULAR M516535-77 (96906)		EA	REF								1A2S5H247		
M-D		WASHER, FLAT S093TF031H250 (72314)		EA	2								1A2ASH248		
M-D		WASHER, FLAT S093TP031H250 (72314)		EA	REF								1A2A5H249		
X2-H		CLIP, SPRING TENSION NAS 146*050-04C (80205)		EA	1								1A2ASMP461		
X2-H	5320-850-2273	RIVET, TUBULAR MS16535-152 (96906)		EA	2								1A2A5H250		
X2-H	5320-850-2273	RIVET, TUBULAR MS16535-152 (96906)		EA	REF								1A2ASH251		
X2-H		HEAT SINK 1214-397 (72314)		EA	2								1A2ASMP463		
X2-H		HEAT SINK 1216-397 (72314)		EA	REF								1A2A5MP662		
P-H	5962-463-3195	MICROELECTRONIC CIRCUIT DEVICE 1214-112 (72311)		EA	3		*	*	*			6-22	2ASAR1		
P-H	5962-463-3195	MICROELECTRONIC CIRCUIT DEVICE 1214-112 (72311)		EA	REF		*	*	*			6-22	1A2ASAR2		
P-H	5962-463-3195	MICROELECTRONIC CIRCUIT DEVICE 1214-112 (72314)		EA	REF		*	*	*			6-22	1A2A5AR3		
P-H	5961-945-2975	PAD, TRANSISTOR A10122 (07047)		EA	2		*	*	*				1A2A5MP464		
P-H	5961-945-2975	PAD, TRANSISTOR A10122 (07047)		EA	REF		*	*	*				1A2A5MP465		
X1-D		PRINTED CIRCUIT BOARD 1214-204 (72314)		EA	1								1A2ASNP466		
P-H	5905-190-8883	RESISTOR, FIXED, COMPOSITION RC20GP100100J (81349)		EA	2		*	*	*			6-22	1A2ASR47		
P-H	5905-190-8883	RESISTOR, FIXED, COMPOSITION RC20GR10CJ (81349)		EA	REF		*	*	*			6-22	1A2A5R48		
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20Gr10F1 (81369)		EA	1		*	*	*			6-22	1A2ASRS5		
P-H	5905-111-4738	RESISTOR, FIXED, COMPOSITION RC20GF152J (81349)		EA	3		*	*	*			6-22	1A2ASR7		
P-H	5905-111-4738	RESISTOR, FIXED, COMPOSITION RC20GF1523 (81349)		EA	REF		*	*	*			6-22	1A2ASR12		
P-H	5905-111-4738	RESISTOR, FIXED, COMPOSITION RC20GF152J (81349)		EA	REF		*	*	*			6-22	1A2ASR33		
P-H	5905-190-8887	RESISTOR, FIXED, COMPOSITION RC20G?202J (81349)		EA	1		*	*	*			6-22	1A2A5R61		
P-H	5905-473-5251	RESISTOR, FIXED, COMPOSITION RC32G?192J (81349)		EA	4		*	*	*			6-22	1A2A5R37		
P-H	5905-473-5251	RESISTOR, FIXED, COMPOSITION RC32GR1923 (81349)		EA	REF		*	*	*			6-22	1A2ASR38		
P-H	5905-473-5251	RESISTOR, FIXED, COMPOSITION RC32GF1S2J (81349)		EA	REF		*	*	*			6-22	1A2ASR39		
P-H	5905-673-5251	RESISTOR, FIXED, COMPOSITION RC32GP192J (81349)		EA	REF		*	*	*			6-22	1A2ASR40		

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SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF. NUMBER & MFR CODE	(4) USABLE ON CODE	(5) UNIT OF MEAS	(6) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
						(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
						1-20	21-50	51-100	1-20	21-50	51-100			FIG.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5905-253-1231	RESISTOR, FIXED, COMPOSITION RC42GF391J (81349)		EA	1				*	*	*	*	*	6-22	1A2A5R1
P-H	5905-185-6580	RESISTOR, FIXED, COMPOSITION RC42GP471J (81349)		EA	1				*	*	*	*	*	6-22	1A2A5R20
P-H	5905-710-1055	RESISTOR, FIXED, FILM RN60COOOF (81349)		EA	1				*	*	*	*	*	6-22	A2ASR 17
P-H	5905-780-7911	RESISTOR, FIXED, FILM RN60C1001D (81349)		EA	1				*	*	*	*	*	6-22	1A2A5R50
P-H	5905-755-8132	RESISTOR, FIXED, FILM RN60C1003F (81349)		EA	5				*	*	*	*	*	6-22	1A2A5R9
P-H	5905-755-8132	RESISTOR, FIXED, FILM RN60C1003F (S1349)		EA	REF				*	*	*	*	*	6-22	1A2ASR1S
P-H	5905-755-8132	RESISTOR, FIXED, FILM RN6C1003F (813149)		EA	REF				*	*	*	*	*	6-22	1A2A5R29
P-H	5905-755-8132	RESISTOR, FIXED, FILM RH60C1003F (81349)		EA	REF				*	*	*	*	*	6-22	1A2ASR30
P-H	5905-755-8132	RESISTOR, FIXED, FILM RN60C1003F (81349)		EA	REF				*	*	*	*	*	6-22	1A2ASR42
P-H	5905-833-5818	RESISTOR, FIXED, FILM RN60C1101F (81349)		EA	1				*	*	*	*	*	6-22	1A2A5R43
P-H	5905-882-7889	RESISTOR, FIXED, FILM RN60C1580F (81349)		EA	1				*	*	*	*	*	6-22	1A2A5R3
P-H	5905-847-3427	RESISTOR, FIXED, FILM RN60C1620F (81349)		EA	1				*	*	*	*	*	6-22	1A2ASR3
P-H	5905-773-3726	RESISTOR, FIXED, FILM RN60C1650F (81349)		EA	1				*	*	*	*	*	6-22	1A2A5R3
P-H	5905-810-7801	RESISTOR, FIXED, FILM RN60C2102F (81349)		EA	1				*	*	*	*	*	6-22	1A2A5R45
P-H	5905-816-6311	RESISTOR, FIXED, FILM RN60C2212F (81349)		EA	1				*	*	*	*	*	6-22	1A2A5R46
P-H	5905-810-0945	RESISTOR, FIXED, FILM RN60C2802F (81349)		EA	1				*	*	*	*	*	6-22	1A2A5R11
P-H	5905-822-4465	RESISTOR, FIXED, FILM RN60C3012F (81349)		EA	1				*	*	*	*	*	6-22	1A2ASR16
P-H	5905-840-7607	RESISTOR, FIXED, FILM RN60C4021F (d1349)		EA	2				*	*	*	*	*	6-22	1A2A5R32
P-H	5905-840-7607	RESISTOR, FIXED, FILM RN60C4021F (81349)		EA	1				*	*	*	*	*	6-22	1A2A5R15
P-H	5905-833-5820	RESISTOR, FIXED, FILM RN60C4992F (81319)		EA	2				*	*	*	*	*	6-22	1A2A5R4
P-H	5905-833-5820	RESISTOR, FIXED, FILM RN60C4992F (81349)		EA	REF				*	*	*	*	*	6-22	1A2A5R10
P-H	5905-848-8924	RESISTOR, FIXED, FILM RN60C5110F (81349)		EA	1				*	*	*	*	*	6-22	1A2AS5R34
P-H	5905-925-11499	RESISTOR, FIXED, FILM RN60C6041D (81349)		EA	1				*	*	*	*	*	6-22	1A2A5R49
P-H	5905-837-4777	RESISTOR, FIXED, FILM RN60C6811F (81349)		EA	1				*	*	*	*	*	6-22	1A2ASR2
P-H	5905-067-9079	RESISTOR, VARIABLE RT22C2P102 (81349)		EA	1				*	*	*	*	*	6-22	1A2ASR8
P-H	5905-764-1182	RESISTOR, VARIABLE RT22C2P202 (81349)		EA	3				*	*	*	*	*	6-22	1A2ASR14
P-H	5905-764-1182	RESISTOR, VARIABLE RT22C2P202 (81349)		EA	REF				*	*	*	*	*	6-22	1A2ASR15
P-H	5905-764-1182	RESISTOR, VARIABLE RT22C2P202 (81349)		EA	REF				*	*	*	*	*	6-22	1A2ASR21
P-H	5905-067-6473	RESISTOR, VARIABLE RT22C2P501(81349)		EA	1				*	*	*	*	*	6-22	1A2A5R13
P-H	5961-957-6865	SEMICONDUCTOR DEVICE, DIODE 1N3611 (81349)		E A	4				*	*	*	*	*	6-22	1A2A5CR1
P-H	5961-957-6865	SEMICONDUCTOR DLV1CE, DIODE 1N3611 (81349)		EA	REF				*	*	*	*	*	6-22	1A2ASCR2

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG.	ITEM NO. OR REFERENCE DESIGNATION
													NO.	
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N1611(81349)	EA	REF				*	*	*	*	*	6-22	1A2A5CR3
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)	EA	REF				*	*	*	*	*	6-22	1A2ASCR4
P-H	5961-892-3361	SEMICONDUCTOR DEVICE,DIODE 1N750A (81349)	EA	1				*	*	*	*	*	6-22	1A2A5VR2
P-H	5961-995-2310	SEMICONDUCTOR DEVICE,DIODE 1N752A (81349)	EA	4				*	*	*	*	*	6-22	1A2A5VR1
P-H	5961-995-2310	SEM1COU1UCTPOA DEVICE, DIODE 1H752A (81349)	EA	REF				*	*	*	*	*	6-22	1A2ASVR4
P-H	5961-995-2310	SEMICONDUCTOR DEVICE,DIODE 1N752A (81349)	EA	REF				*	*	*	*	*	6-22	1A25VR5
P-H	5961-995-2310	SEMICONDUCTOR DEVICE, DIODE 1N752A (81349)	EA	REF				*	*	*	*	*	6-22	1A2A5VR6
P-H	5961-752-6121	SEMICONDUCTOR DEVICE,DIODE 1N753A (81349)	EA	1				*	*	*	*	*	6-22	1A2A5VR3
P-H	5950-088-37148	TRANSFORMER,POWER MT18M (003148)	EA	1				*	*	*	*	*	6-22	1A12AST2
P-H	5950-463-3058	TRANSFORMER,POWER 1214-280 (72314)	EA	1				*	*	*	*	*	6-22	1A2A51T
P-H	5961-959-8546	TRANSISTOR 2N1890 (81349)	EA	2				*	*	*	*	*	6-22	1A2A5Q1
P-H	596 1-959-8546	TRANSISTOR 2N1890(81349)	EA	REF				*	*	*	*	*	6-22	1A2A5Q2
P-H		CLAMP,LOOP NAS1397R3B (80205)	EA	1				*	*	*	*	*		1A214P467
P-H	5310-271-4642	NUT,PLAIN,HEXAGON MS35649-144 (96906)	EA	1				*	*	*	*	*	3-8	1A2H252
P-H	5305-054-5650	SCREW,MACHINE MS51957-18 (96906)	EA	3				*	*	*	*	*	3-8	1A2H253
P-H		SCREW, MACHINE MS51957-18 (96906)	EA	REF				*	*	*	*	*	3-8	1A2H253
P-H	5305-054-565D	SCREW MACHINE MS51957-18 (96906)	EA	REF				*	*	*	*	*	3-8	1A2H255
P-H	5305-054-5650	SCREW,MACHINE MS51957-18 (96906)	EA	REF				*	*	*	*	*	3-8	1A2H254
P-H	5310-595-16211	WASHER,FLAT MS15795-803 (96906)	EA	2				*	*	*	*	*	3-8	1A2H256
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)	EA	REF				*	*	*	*	*	3-8	1A2H257
P-F	5310-672-2178	WASHER,SADDLE D4-128 (95987)	EA	1	*	*	*	*	*	*	*	*	3-8	1A2H258
X2-H		COVER ASSEMBLY 121A014(72314)	EA	1										1A2WP468
X1-H		COVER,CAMERA,CONTRDL 1216-153 (72314)	EA	1									3-8	1A2P469
M-D		GASKET 1214-361 (72314)	EA	2										1A28P470
M-D		GASKET 1214-361(72314)	EA	REF										1A2MP471
P-F	5305-105-91449	SCREW,PANSEL FASTENER 12-21-102-26 (94222)	EA	2	*	*	*	*	*	*	*	*	3-8	1A2NP672
P-F	5305-105-9449	SCREW,PANEL FASTENER 12-21-102-26 (94222)	EA	REF	*	*	*	*	*	*	*	*	3-8	1A24473
P-F		WASHERWPANEL.SCREW 12-11014-26 (94222)	EA	2	*	*	*	*	*	*	*	*	3-8	1A2NP474
P-F		WASHER,PANEL.SCREW 12-11014-26 (94222)	EA	REF	*	*	*	*	*	*	*	*	3-8	1A2P475
A-F		HEAT SINK ASSEMBLY 1214D12 (72314)	EA	1									3-8	1A2A6
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)	EA	4	*	*	*	*	*	*	*	*	3-8	1A2H259
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-8	1A2H260

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION
P-O	5305-054-6651	SCREWMACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-8	1A2H261
P-O	5305-054-6651	SCREW,MACHINE NS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-8	1A2H262
X2-F		CLIP SPRING,TENSION NHS14164*034-10N (80205)	EA	1										1A2A6MP476
P-F	5305-054-5635	SCREW,MACHINE MS51957-1 (96906)	EA	2	*	*	*	*	*	*	*	*		1A2A6H263
P-P	5305-054-5635	SCREW,MACHINE MS51957-1 (96906)	EA	REF	*	*	*	*	*	*	*	*		1A2A6H264
P-F	5325-185-0017	GROMMET,RUBBER MS35489-33 (96906)	EA	1	*	*	*	*	*	*	*	*	3-9	1A2A6MP477
X(2-P		HEATSINK 1214-197 (72314)	EA	1									3-9	1A2A6MP478
P-F	5905-904-7662	RESISTOR,FIXED,WIREWOUND RW68V2R7 (811349)	EA	1	*	*	*	*	*	*	*	*	3-9	1A2A6R1
P-F	5905-993-6985	RES1STDR,FIXED, WIREWOUND RW69VR27 (81349)	EA	1	*	*	*	*	*	*	*	*	3-9	1A2A6R2
P-F596	-978-5966	SEMICONDUCTOR DEVICE,,DIODE 1N161(81349)	EA	4	*	*	*	*	*	*	*	*	3-9	1A2A6CR1
P-F596	-978-5966	SEMICONDUCTOR DEVICE,DIODE 1N161N(813119)	EA	REF	*	*	*	*	*	*	*	*	3-9	1A2A6CR2
P-F	5961-978-5966	SEMICONDUCTOR DEVICE,DIODE 1N1614 (813119)	EA	REF	*	*	*	*	*	*	*	*	3-9	1A2A6CR3
P-F	5961-978-5966	SEMICONDUCTOR DEVICE,,DIODE 1N16111 (813149)	EA	REF	*	*	*	*	*	*	*	*	3-9	1A2A6CR4
P-F596	-985-1940	SEMICONDUCTOR DEVICE,DIODE 1N3015R8 (81349)	EA	1	*	*	*	*	*	*	*	*	3-9	1A2A6VR1
P-F	5940-150-11224	TERMINAL,FEED,THRU,INSULATED 11026-3 (71279)	EA	1	*	*	*	*	*	*	*	*		1A2A6E1
P-F	5940-150-4224	TERMINAL,FEED,TRRU,INSULATED 1026-3 (71279)	EA	REF	*	*	*	*	*	*	*	*		1A2A6E2
P-F	590-150-4224	TERMINAL,FEED,THRU,INSULATED 4026-3 (71279)	EA	REF	*	*	*	*	*	*	*	*		1A2A6E3
P-F	59110-150-4224	TERMINAL,FEED THRU,INSULATED 4026-3 (71279)	EA	REF	*	*	*	*	*	*	*	*		1A2A6E11
P-F	5961-463-3053	TRANSISTOR 1214-111 (723111)	EA	1	*	*	*	*	*	*	*	*	3-9	1A2A6Q1
P-F	5310-625-5756	WASHER,FLAT NS15795-812 (96906)	EA	1	*	*	*	*	*	*	*	*	3-9	1A2A6H265
A-F		WIRING HARNESS 1214D28 (72311)	EA	1										1A2A6W
P-F	5935-858-5633	CONNECTOR,RECEPTACLE,ELECTRICAL 600-303PCGD1SC (95238)	EA	1	*	*	*	*	*	*	*	*	3-9	1A2A6W1P9
P-P	59110-813-0698	TERMINAL,LUG MS25036-1 (96906)	EA	4	*	*	*	*	*	*	*	*	3-9	1A2A6W1E1
P-F	5940-813-0698	TERMINAL,LUG MS25036-1 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-9	1A2A6W1E2
P-F	5910-813-0698	TERMINAL,LUG MS25036-1 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-9	1A2A6W1E3
P-F	5910-813-0698	TERMINAL,LUG MS25036-1 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-9	1A2A6W1E11
A-F		PANEL ASSEMBLY 12111D13 (72314)	EA	1										1A2A1
P-F	5305-051-6667	SCREW,MACHINE N151957-42 (96906)	EA	4	*	*	*	*	*	*	*	*		1A2H266
P-F	5305-054-6667	SCREW,MACHINE NS51957-12 (96906)	EA	REF	*	*	*	*	*	*	*	*		1A2H267
P-F	5305-054-6667	SCREW,MACHINE MS51957-62 (96906)	EA	REF	*	*	*	*	*	*	*	*	1	A2H8268
P-F	5305-054-6667	SCREW,MACHINE MS51957-12 (96906)	EA	REF	*	*	*	*	*	*	*	*		1A2H269

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG.	ITEM NO. OR REFERENCE DESIGNATION
													NO.	
P-F	5925-838-3742	CIRCUIT BREAKER MS26574-1-1-2 (96906)	EA	1	*	*	*	*	*	*	*	3-8	1A2A1CB1	
P-F	5925-969-7783	CIRCUIT BREAKER MS26574-3 (96906)	EA	1	*	*	*	*	*	*	*	3-8	1A2A1CB2	
P-F	5935-899-9361	COVER,ELECTRICAL CONNECTOR MS3181-14C (96906)	EA	1	*	*	*	*	*	*	*	3-8	1A2A1MP479	
P-F	5935-226-4885	COVER,ELECTRICAL CONNECTOR MS3181-16C (96906)	EA	1	*	*	*	*	*	*	*	3-8	1A2A1MP480	
P-F	5935-762-1392	COVER,ELECTRICAL CONNECTOR MS318 1-20C (96906)	EA	1	*	*	*	*	*	*	*	3-8	1A2A1MP481	
M-D		GASKXET 1214-138-2 (72314)	EA	1								3-8	1A2A1MP482	
P-H-R	6720-107-4425	INTERCONNECTING BOARD ASSEMBLY 1214D8 (72314)	EA	1			*	*	*	*	*	3-8	1A2AA1A	
P-F	5305-054-6652	SCREW MACHINE MS51957-28 (96906)	EA	5	*	*	*	*	*	*	*		1A2A1H270	
P-F	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)	EA	REF	*	*	*	*	*	*	*		1A2A1H271	
P-F	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)	EA	REF	*	*	*	*	*	*	*		1A2A1H272	
P-F	5305-054-6652	SCREW MACHINE MS51957-28 (96906)	EA	REF	*	*	*	*	*	*	*		1A2A1H273	
P-F	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)	EA	REF	*	*	*	*	*	*	*		1A2A1H274	
P-F	5305-054-6654	SCREW,MACHINE MS51957-30 (94906)	EA	12	*	*	*	*	*	*	*		1A2A1R275	
P-P	5305-054-6654	SCREW,MACHINE MS51957-30 (96906)	EA	REF	*	*	*	*	*	*	*		1A2A1H276	
P-F	5305-054-6654	SCREW,MACHINE MS551957-30 (96906)	EA	REF	*	*	*	*	*	*	*		1A2A1H277	
P-F	5305-054-6654	SCREW,MACHINE MS51957-30 (96906)	EA	REF	*	*	*	*	*	*	*		1A2A1H278	
P-F	5305-054-6654	SCREW,MACHINE MS51957-30 (96906)	EA	REF	*	*	*	*	*	*	*		1A2A1H279	
P-F	5305-054-6654	SCREW,MACHINE MS51957-30 (96906)	EA	REF	*	*	*	*	*	*	*		1A2A1H280	
P-F	5305-054-6654	SCREW,MACHINE MS51957-30 (96906)	EA	RE	*	*	*	*	*	*	*		1AU2AH281	
P-F	5305-054-6654	SCREW,MACHINE MS51957-30 (96906)	EA	REF	*	*	*	*	*	*	*		1A2A1H282	
P-F	5305-054-6654	SCREW,MACHINE MS51957-30 (96906)	EA	REF	*	*	*	*	*	*	*		1A1H283	
P-F	5305-054-6654	SCREW,MACHINE MS51957-30 (96906)	EA	REF	*	*	*	*	*	*	*		1A2A1H284	
P-F	5305-054-6654	SCREW,MACHINE MS51957-30 (96906)	EA	REF	*	*	*	*	*	*	*		1A2A1H285	
P-F	5305-054-6654	SCREW,MACHINE MS51957-30 (96906)	EA	REF	*	*	*	*	*	*	*		1A2A1H286	
P-H	5910-481-8109	CAPACITOR, FIXED, FILM 1P9A1B205J (72314)	EA	1			*	*	*	*	*	3-12	1A2A1A1C1	
X2-H		CLIP, SPRING TENSION 1AS1464B050-04C (80205)	EA	1									1A1A1MP483	
X2-H	5320-879-6606	RIVET, TUBULAR MS416535-154 (96906)	EA	1									1A2A1A1H287	
P-H		CONNECTOR, RECEPTACLE, ELECTRICAL 600-121DD26GDPS0 (95238)	EA	4	*	*	*	*	*	*	*	3-12	1A2A1A1J4	
P-H		CONNECTOR, RECEPTACLE, ELECTRICAL 600-121DD26GDF50 (95238)	EA	REF	*	*	*	*	*	*	*	3-12	1A2A1A1JS	
P-H	CONNECTOR, RECEPTACLE, ELECTRICAL	600-121DD26GDF50 (95238)	EA	REF	*	*	*	*	*	*	*	3-12	1A2A1A1J6	
P-H	CONNECTOR, RECEPTACLE, ELECTRICAL	600-121DD26GDF50 (95238)	EA	REF	*	*	*	*	*	*	*	3-12	1A2AA1J7	

CHANGE 2 B-41

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION
P-F	5935-926-0680	CONNECTOR,RECEPTACLE,ELECTRICAL MS3127E14-19S (96906)	EA	1	*	*	*	*	*	*	*	3-12	1A2A1A1J3	
P-Y	5935-941-7808	CONNECTOR,RECEPTACLE,ELECTRICAL MS3127E16-26P (96906)	EA	1	*	*	*	*	*	*	*	3-12	1A2A1A1J2	
P-F	5935-d31-9028	CONNECTOR,RECEPTACLE,ELECTRICAL MS3127E20-39S (96906)	EA	1	*	*	*	*	*	*	*	3-12	1A2A1A1J1	
M-D		KEY,POLARIZING A602-26 (95238)	EA	4									1A2A1A1MP484	
M-D		KXEY,POLARIZING A602-26 (95238)	EA	REF									1A2A1A1MP485	
M-D		KEY,POLARIZING A602-26 (95238)	EA	REF									1A2A1A1MP486	
M-D		KEY,POLARIZING A602-26 (95238)	EA	REF									1A2A1A1MP487	
X2-F		NUT, PLATE 1214-314 (72314)	EA	1								3-12	1A2A1A1MP488	
X2-F		NUT,PLATE 1214-315 (72314)	EA	1								3-12	1A2A1A1MP489	
X2-F		NUT,PLATE 1214-316 (72314)	EA	1								3-12	1A2A1A1MP490	
X2-F		POST,ELECTRICAL-MECHANICAL EQUIPMENT 1214-276 (72314)	EA	2								3-12	1A2AA1MP491	
X2-F		POST,ELECTRTIAL-MECHANICAL EQUIPMENT 1214-276 (72314)	EA	REF								3-12	1A2A1A1MP492	
P-F	5305-054-6652	SCREW,MACHINE 1451957-28 (96906)	EA	2	*	*	*	*	*	*	*		1A2A1A1H288	
P-F	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)	EA	REF	*	*	*	*	*	*	*		1A2A1A1H289	
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)	EA	2	*	*	*	*	*	*	*		1A2AA1H290	
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)	EA	REF	*	*	*	*	*	*	*		1A2A1A1H291	
X2-F		POST,ELECTRICAL-MECHANICLA EQUIPMENT 1214-312 (72314)	EA	1								3-12	1A2A1A1MP493	
P-R	5305-993-9140	SCREW,MACHINE AN50006-5 (88044)	EA	1				*	*	*	*	3-12	1A2AA11H292	
P-H	5110-057-0573	WASHER,FLAT NAS620C4 (80205)	EA	1				*	*	*	*	3-12	1A2A1A1H293	
X1-H	PRINTED CIRCUIT BOARD	1214-203 (72314)	EA	1								3-12	1A2A1A1MP494	
P-H	5905-190-8887	RESISTOR,FIXED,COMPOSITION RC20CF202J (81349)	EA	1				*	*	*	*	3-12	1A2A1A1R8	
P-H	5905-730-0285	RES1STOR,FIXED,FILM RN60D28R7F (81349)	EA	2				*	*	*	*	3-12	1A2A1A1R3	
P-11	5905-730-0285	RESISTOR,FIXED,FILM RN6SFD28RF (81349)	EA	REF				*	*	*	*	3-12	1A2A1A1R4	
P-H	5905-985-3958	RES1STORD,FXED, FILM RN6OD31R6F (81349)	EA	1				*	*	*	*	3-12	1A2A1A1R2	
P-H	5905-841-6964	RESISTOR,FIXED,FILM RN60C4640D (81349)	EA	1				*	*	*	*	3-12	1A2A1A1R7	
P-H	5905-924-9347	RESISTDR,FIXED,FILM RN60CS7R6F (81349)	EA	1				*	*	*	*	3-12	1A2A1A1R1	
P-H	5905-901-1583	RESISTOR,FIXED,FILM RN66C60R4F (81349)	EA	1				*	*	*	*	3-12	1A2AA11R5	
P-H	5905-061-2251	RESISTOR,FIXED,FILM RN60C88R7F (81349)	EA	1				*	*	*	*	3-12	1A2A1A1R6	
P-F	5340-052-1788	HANDLE,BOW 1282-1 (71279)	EA	1	*	*	*	*	*	*	*	3-8	1A2A1YP495	
X2-H	5305-054-6671	SCREW,MACHINE MS51957-46 (96906)	EA	2								3-8	1A2A1H294	

CHANGE 2 B-42

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF. NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
						(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
						1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION
X2-H	5305-054-6671	SCREW,MACHINE MS51957-46 (96906)		EA	REF									3-8	1A11H295
X2-0	5310-933-8119	WASHER,LOCK MS35338-137 (96906)		EA	2									3-8	1A2A1H296
X5 2-H	5310-933-8119	WASHER,LOCK MS3533-137 (96906)		EA	REF									3-8	1A2A1297
X2-H		PANEL,FRONT 1214-151 (72114)		EA	1									3-8	1A2A1MP496
P-F	5935-682-0658	SHIELDING,GASKET,ELECTRONIC 42-483 (12881)		EA	1	*	*	*	*	*	*	*	*	3-8	1A312MP497
P-F	5999-866-3377	SHIELDING,GASKET,ELECTRONIC 04-0302-284 (12881)		EA	1	*	*	*	*	*	*	*	*	3-8	1A21AMP498
P-F	6760-860-5902	SHIELDING,GASKET,ELECTRONIC 42-S488 (12881)		EA	1	*	*	*	*	*	*	*	*	3-8	11A2A1EP499
X2-H		SOPPORT 1214-215 (72314)		EA	1									3-8	1A2A1NP500
M-D		PLATE,IDENTIFICATION 1214-122 (72314)		EA	1									3-8	1A21MP501
P-H	5305-054-5646	SCREW,MACHINE 051957-12 (96906)		EA	2				*	*	*	*	*	3-8	1A2H298
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (86906)		EA	REF				*	*	*	*	*	3-8	1A2H1299
X2-H	6720-107-4395	POWER SUPPLY ASSEMBLY 1214D9 (72314)		EA	1	*	*	*	*	*	*	*	*	3-8	1A2A2
P-H	5305-763-6960	SCREW,MACHINE MS51959-25 (96906)		EA	4				*	*	*	*	*	3-8	1A2H300
P-H	5305-763-6960	SCREW,MACHINE M51959-25 (96906)		EA	REF				*	*	*	*	*	3-8	1A2H301
P-H	5305-763-6960	SCREW,MACHINE MS51959-25 (96906)		EA	REF				*	*	*	*	*	3-8	1A2H302
P-H	5305-763-6960	SCREW,MACHINE 14551959-25 (96906)		EA	REF				*	*	*	*	*	3-8	1A2H303
X2-H		ANGLE ASSEMBLY 1214D23 (72314)		EA	1										1A2A2KR502
X2-H		BAR 1214-296 (72314)		EA	2									3-10	1A2A2KP503
P2-H		BAR 1214-296 (72314)		EA	REF									3-10	1A2A2KP504
X2-H		BRACKET 12124-38 (72314)		EA	1									3-10	1A2A2nP505
X2-H		BRACRET,ANGLE 1214-300 (72314)		EA	1									3-10	1A2A2MP506
X2-H		BUSHING,SLEEVE 1214-399 (72314)		EA	2										1A2A2MP507
X2-H		BUSHING,SLEEVE 1214-399 (72314)		EA	REF										1A2214PS08
P-H-S	6720-107-4396	CIRCUIT CAD ASSEMBLY 1214D29 (72314)		EA	1				*	*	*	*	*	3-10	1A2A2A
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	13				*	*	*	*	*	3-10	1A2A2H3041
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				*	*	*	*	*	3-10	1AA2H305
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				*	*	*	*	*	3-10	12A21306
P-H	5305-054-567	SCREW,MACHINE MS51997-13 (96906)		EA	REF				*	*	*	*	*	3-10	1A2A211307
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				*	*	*	*	*	3-10	1A2A2H308
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				*	*	*	*	*	3-10	1A2A2H309
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				*	*	*	*	*	3-10	1A2A2H306

CHANGE 2 B-43

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF. NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
						(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
						1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				*	*	*	*	*	3-10	1A2A2H311
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				*	*	*	*	*	3-10	1A2A2H312
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				*	*	*	*	*	3-10	1A2A2H31
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				*	*	*	*	*	3-10	1A2A2H314
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				*	*	*	*	*	3-10	1A2A2H315
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				*	*	*	*	*	3-10	1A2A2H316
P-H	5910-986-5427	CAPACITOR,FIXED, ELECTRONIC C131CJ110MP3 (81349)		EA	1				*	*	*	*	*	6-32	1A2A2A1C1
P-H	5910-986-5427	CAPACITOR,FIXED,ELECTRONIC C131CJ101OMP3 (81349)		EA	1				*	*	*	*	*	6-32	1A2A2A1C2
X1-H		PRINTED WIRING BOARD ASSEMBLY 1214D21 (72314)		EA	1										1A2A2A1MP509
P-H	5905-225-4307	RESISTOR,FIXED, WIREWOUND RW69V100 (81349)		EA	1				*	*	*	*	*	6-32	1A2A2A1R5
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	6				*	*	*	*	*	6-32	1A2A2A1CR1
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				*	*	*	*	*	6-3	21A2A2A1CR2
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				*	*	*	*	*	6-32	1A2A2A1CR3
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				*	*	*	*	*	6-32	1A2A2A1CR4
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				*	*	*	*	*	6-32	1A2A2A1CR5
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				*	*	*	*	*	6-32	1A2A2ACR6
P-R	5340-286-6587	CLAMP,LOOP 3-16-6 (95987)		EA	1				*	*	*	*	*	3-10	1A2A2MP510
P-F	5310-672-2178	WASHER, SADDLE D4-128 (95987)		EA	1	*	*	*	*	*	*	*	*	3-10	1A2A2H317
X2-H		COVER 1214-298 (72314)		EA	2									3-10	1AA2MPS11
X2-H		COVER 1214-298 (72314)		EA	REF									3-10	1A2A2MP512
X2-H		HEAT SINK DHS4-1/32 (10012)		EA	2										1A2A12MPS13
X2-H		HEAT SINK DHS4-1/32 (10012)		EA	REF										1A2A2MP5174
X2-H		5310-971-0502 NUT,SHEET,SPRING 12-11015-14 (94222)		EA	1										1A2A2MP515
X2-H	5320-234-1555	RIVET,SOLID MS20426A3-3 (96906)		EA	2										1A2A2MP518
X2-H	5320-234-1555	RIVET,SOLID MS20426AJ-3 (96906)		EA	REF										1A2A2MP5119
M-D		PAD,INSULATION 1214-357 (72314)		EA	2									3-10	1AA2A2P516
M-D	PAD,INSULATION	1214-357 (72314)		EA	REF									3-1	01A2A2PS517
P-H	5905-764-2604	RESISTOR,FIXED, WIREWOUND RW68V300 (81349)		EA	4				*	*	*	*	*	3-10	1A2A2R1
P-H	5905-764-2604	RESISTOR, FIXED, WIREWOUND RW68V300 (81349)		EA	REF				*	*	*	*	*	3-10	1A2A2R2
P-H	5905-764-2604	RESISSOR,FIXED, WIREWOUND RW68V300 (81349)		EA	REF				*	*	*	*	*	3-10	1A2A2R3
P-H	5905-764-2604	RESISTOR, FIXED, WIREWOUND RW68V300 (81349)		EA	REF				*	*	*	*	*	3-10	1A2A2R4

CHANGE 2 B-44

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF. NUMBER & MFR CODE	(4) USABLE ON CODE	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5961-853-3438	SEMICONDUCTOR DEVICE, DIODE 1N29798 (81349)	EA	1				*	*	*	*	*	3-10	1A2A2VR1
P-H	5961-853-3438	SEMICONDUCTOR DEVICE, DIODE 1N29798 (81349)	EA	REF				*	*	*	*	*	3-10	1A2A2VR2
P-H	5940-681-8183	TERMINAL, LUG MS35431-2 (96906)	EA	1				*	*	*	*	*		1A2A2E1
P-H		TRANSFORMER, POWER 1214-113 (72314)	EA	1				*	*	*	*	*	3-10	1A2A2T2
P-H		TRANSFORMER, POWER 14-114 (72314)	EA	1				*	*	*	*	*	3-10	1A2A2T1
P-H	5305-054-5646	SCREW, MACHINE M551957-12 (96906)	EA	12				*	*	*	*	*	3-10	1A2A2H320
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H321
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H322
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H323
P-R	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H324
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H325
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H326
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H327
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H328
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H329
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2R330
P-H5305-054-5646		SCREW, MACHINE MS51957-2 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H331
P-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)	EA	8				*	*	*	*	*	3-10	1A2A2H332
P-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H333
P-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H334
P-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H335
P-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2f336
P-H	5310-595-6211	WASHER, FLAT MS515795-803 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H337
P-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H338
P-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H339
P-H	5310-933-8118	WASHER, LOCK MS35338-135 (96906)	EA	8				*	*	*	*	*	3-10	1A2A2H340
P-H	5310-933-8118	WASHER, LOCK MS35338-135 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H341
P-H	5310-933-8118	WASHER, LOCK MS35338-135 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H342
P-H	5310-933-8118	WASHER, LOCK MS35338-135 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2R343
P-H	5310-933-8118	WASHER, LOCK MS835338-135 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H344
P-H	5310-933-8118	WASHER, LOCK MS35338-135 (96906)	EA	REF				*	*	*	*	*	3-10	1A2A2H345

CHANGE 2 B-45

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5310-933-8118	WASHER,LOCK MS3S338-135 (96906)	EA	REF				*	*	*	*	*	3-20	1A2A2H346
P-H	5310-933-8118	WASHER,LOCK	EA	REF				*	*	*	*	*	3-20	1A2A2H347
M-D		WASHER,FLAT 1214-400 (72314)	EA	2										1A2A2MP318
M-D		WASHER,FLAT 1214-400 (72314)	EA	REF										1A2A2MP319
M-D		WASHER,FLAT 1214-401 (72314)	EA	2										1A2A2MP320
M-D		WASHER,FLAT 1214-401 (72314)	EA	REF										1A2A2MP321
M-D		WIRING HARNESS 1214D30 (72314)	EA	1									3-10	1A2A2WU
G-0-S	6760-922-5803	CONTROL PANEL ASSEMBLY LA-413A 1214D101 (72314)	EA	1										1A3
X1-D		CHASSIS ASSEMBLY 1214D3 (72314)	EA	1										1A3MP522
X1-D		CHASSIS,ELECTRICAL 1214-90 (72314)	EA	1									3-13	1A3MP523
X2-D	5310-616-8786	NUT,PLAIN,CLINCH CLS632-1 (46384)	EA	12										1A3MP524
X2-D	5310-616-8786	NUT,PLAIN,CLINCH CLS632-1 (46384)	EA	REF										1A3-MP525
X2-D	5310-616-8786	NUT,PLAIN,CLINCH CLS632-1 (46384)	EA	REF										1A3P526
X2-D	5310-616-8786	NUT,PLAIN,CLINCH CLS632-1 (46384)	EA	REF										1A3MP527
X2-D	5310-616-8786	NUT,PLAIN,CLINCH CLS632-1 (46384)	EA	REF										1A3MP528
X2-D	5310-516-8786	NUT,PLAIN,CLINCH CLS632-1 (46384)	EA	REF										1A3MP529
X'2-D	531-616-8786	NUT,PLAIN,CLINCH CLS632-1 (46384)	EA	REF										1A3MP530
X2-D	5310-616-8786	NUT,PLAIN,CLINCH CLS632-1 (46384)	EA	REF										1A3.P531
X2-D	5310-616-8786	NUT,PLAIN,CLINCH CLS632-1 (46384)	EA	REF										1A3MP532
X2-D	5310-616-8786	NUT,PLAIN,CLINCH CLS632-1 (46384)	EA	REF										1A3F4P533
X2-D	5310-616-8786	NUT,PLAIN,CLINCH CLS632-1 (46384)	EA	REF										1A3P534
X2-D	5310-616-8786	NUT,PLAIN,CLINCH CLS632-1 (46384)	EA	REF										1A3MP535
X2-H	5310-971-0502	NUT,SHEET,SPRING 12-1105-14 (94222)	EA	2										1A3YP536
X2-H	5310-971-0502	NUT,SHEET,SPRING 12-1 105- 14 (94222)	EA	REF										1A3NP537
X2-H	5320-721-5244	RIVET,TUBULAR MS16535-77 (96906)	EA	1										1A3H34S
X2-H	5320-721-5244	RIVET,TUBULAR MS516535-77 (96906)	EA	REF										1A3H349
X2-H	5320-721-5244	RIVET,TUBULAR MS16535-77 (96906)	EA	REF										1A3H350
X2-H	5320-721-5244	RIVET,TUBULAR MS16535-77 (96906)	EA	REF										1A3H351
P-F	5935-917-0336	CONNECTOR,RECEPTACLE,ELECTRICAL MS90335-1 (96906)	EA	1	*	*	*	*	*	*	*	*	3-13	1A3J3
P-H	66A0-106-2287	COUNTER,ELECTRICAL, 1214-108 (72314)	EA	1				*	*	*	*	*	3-13	1A3M1
P-H	5305-763-7822	SCREW,MACHINE MS5S1959-14 (96906)	EA	2				*	*	*	*	*	3-13	1A3H352

CHANGE 2 B-46

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF. NUMBER & MFR CODE	(4) USABLE ON CODE	(5) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
						(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
						1-20	21-50	51-100	1-20	21-50	51-100			FIG.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5305-763-7822	SCREW,MACHINE MS51959-14 (96906)		EA	REF				*	*	*	*	*	3-13	1A3H353
X2-H		COVER ASSEMBLY 1214D5 (72314)		EA	1										1A34538
X1-H		COVER,CHASSIS 1214-91 (72314)		EA	1									3-13	1A3MP539
M-D		PLATE, IDENTIFICATION 1214-217-3 (72314)		EA	1										1A3MP540
X2-H	5320-721-5244	RIVET,TUBULAR MS16535-77 (96906)		EA	2										1A3H354
X2-H	5320-721-5244	RIVET,TUBULAR MS16535-77 (96906)		EA	REF										1A3H355
P-F	5305-105-9449	SCREW,PANEL FASTENER 12-21-102-26 (94222)		EA	2	*	*	*	*	*	*	*	*		1A31NP541
P-F	5305-105-9449	SCREW,PANEL FASTENER 12-21-102-26 (94222)		EA	REF	*	*	*	*	*	*	*	*		1A3MP542
P-F		WASHER, PANEL, SCREW 12-11014-26 (94222)		EA	2	*	*	*	*	*	*	*	*		1A34P543
P-F	WASHER,PANEL	SCREW 12-11014-26 (94222)		EA	REF	*	*	*	*	*	*	*	*		1A3MP549
P-11	5915-U81-8108	FLITER,RADIO INTERFERENCE MS50-599 (72314)		EA	1				*	*	*	*	*	3-13	1A3F11
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	4				*	*	*	*	*	3-13	1A3H356
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				*	*	*	*	*	3-13	1A3R357
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				*	*	*	*	*	3-13	1A3H358
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				*	*	*	*	*	3-13	1A3H359
P-F-S	6720-107-4397	HEAT SINK,CARD ASSEMBLY 1214D19 (72314)		EA	1	*	*	*	*	*	*	*	*		1A3A1
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	8	*	*	*	*	*	*	*	*	3-13	1A3H360
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H361
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		ER	REF	*	*	*	*	*	*	*	*	3-13	1A3H362
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H363
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H364
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H365
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H366
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H367
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H368
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H369
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H370
P-F	5310-722-5998	WASHER,FLAT MS15795-8a05 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H371
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H372
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H373
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H374

CHANGE 2 B-47

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO. OR REFERENCE DESIGNATION
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)	EA	REF *	*	*	*	*	*	*	*	3-13	1A3H375	
P-O	5310-929-6395	WASHER,LOCK MS35338-136 (96906)	EA	8 *	*	*	*	*	*	*	*	3-13	1A3H376	
P-O	5310-929-6395	WASHER,LOCK MS3533-136 (96906)	EA	REF *	*	*	*	*	*	*	*	3-13	1A3H3771	
P-O	5310-929-6395	WASHER,LOCK MS15338-136 (96906)	EA	REF *	*	*	*	*	*	*	*	3-13	1A3H378	
P-O	5310-929-6395	WASHER,LOCK MS35338-136 (96906)	EA	REF *	*	*	*	*	*	*	*	3-13	1A3H379	
P-O	5310-929-6395	WASHER,LOCK MS35338-136 (96906)	EA	REF *	*	*	*	*	*	*	*	3-13	1A3H380	
P-O	5310-929-6395	WASHER,LOCK MS35338-136 (96906)	EA	REF *	*	*	*	*	*	*	*	3-13	1A3H387	
P-O	5310-929-6395	WASHER,LOCK MS35338-136 (96906)	EA	REF *	*	*	*	*	*	*	*	3-13	1A3H382	
P-O	5310-929-6395	WASHER,LOCK MS35338-136 (96906)	EA	REF *	*	*	*	*	*	*	*	3-13	1A3H383	
P-O	5310-929-6395	WASHER,LOCK 1214-356 (7231 6)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3AH3P545	
X1-F		BUSHING,SLEEVE 1214-356	EA	1								3-14	1A3A1MP545	
A-H-S		CIRCUIT CARD ASSEMBLY 214D (723146906)	EA	1								3-13	1A3A1A1	
P-O	5305-054-6651	SCREW,MACHINE MS519357-27 (96906)	EA	8 *	*	*	*	*	*	*	*	3-14	A3A1H384	
P-O	5305-05U-6651	SCREW,MACHNE MS11957-627 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3A1H385	
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (9R906)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3A1H386	
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3AR1H387	
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3A1H388	
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3A1H389	
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3A1H390	
P-O	5305-054-6651	SCREW,MACHINE 51957-27 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3A1H391	
P-O	5310-722-5998	WASHER,FLAT MS515795-2705 (96906)	EA	8 *	*	*	*	*	*	*	*	3-14	1A3A1H392	
P-F	53105-722-5998	WASHER,FLAT MS17957-27805 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3AH1393	
P-F	5305-722-5998	WASHER,FLAT MS571957-205 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3A1R394	
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3A1H395	
P-F	5310-722-5998	WASHER,FLAT MS5795-805 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3A1H396	
P-F	5310-722-5998	WASHER, FLAT MS1575-805 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3A1H397	
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3A1H398	
P-F	5310-722-5998	WASHER,FLAT MS15795-005 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3A1H399	
P-F	5310-11-1041 599	WASHER,LOCK MS4315338-79 (96906)	EA	4 *	*	*	*	*	*	*	*	3-14	1A3AH40R39	
P-F	5310-07221-1081	WASHER,LOCK MS135338-79 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	13A1H40391	
P-F	5310-22-59101	WASHER,LOCK MS15795-3379 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	1A3A1113902	
P-F	5310-011-101	WASHER,LOCK MS35338-79 (96906)	EA	REF *	*	*	*	*	*	*	*	3-14	A3A1H403	

CHANGE 2 B-48

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF. NUMBER & MFR CODE	(4) USABLE ON CODE	(5) UNIT OF MEAS	(6) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT ALW PER 100 EQUIP	(10) ILLUSTRATION	
						(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
						1-20	21-50	51-100	1-20	21-50	51-100			FIG.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5305-763-7822	SCREW,MACHINE M51959-14 (96906)		EA	REF				*	*	*	*	*	6-31	1A3H353
X2-H		COVER ASSEMBLY 1214D5 (72314)		EA	1				*	*	*	*	*	6-31	1A34538
X1-H		COVER,CHASSIS 1214-91 (72314)		EA	1				*	*	*	*	*	6-31	1A3MP539
M-D		PLATE,IDENTIFICATION 1214-217-3 (72314)		EA	1										1A3MP540
X2-11	5320-721-5244	RIVET,TUBULAR MS6535-77 (96906)		EA	2										1A3HJ54
X2-H	5320-721-5244	RIVET,TUBULAR MS16535-22 (96906)		EA					*	*	*	*	*		1A3A1A1H404
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	1				*	*	*	*	*		1A3A1A1MP547
P-H	5961-879-7426	PAD,TRANSISTOR 10043DAP (07047)		EA	1				*	*	*	*	*		1A3AA1MPS48
X1-H		PRINTED,CIRCUIT,ARDR 1214-120 (72314)		EA	1										1A3A1A1MP549
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	2				*	*	*	*	*	6-31	1A3A1A1R7
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				*	*	*	*	*	6-31	1A3A1A1R10
P-H	5905-190-8887	RESISTOR,FIXED,COMPOSITION RC20GF2023 (81349)		EA	1				*	*	*	*	*	6-31	1A3A1A1R9
P-H	5905-192-3973	RESISTOR,FIXED,COMPOSITION RC20GF471J (13419)		EA	1				*	*	*	*	*	6-31	1A3A1A1R3
P-H	5905-114-5438	RESISTOR, F1XD,COMPOSITION RC20GF510J (81349)		EA	1				*	*	*	*	*	6-31	1A3A1A1R2
P-H	5905-104-8349	RESISTOR FIXED,COMPOSITION RC20GF511J (81349)		EA	1				*	*	*	*	*	6-31	1A3A1A1R4
P-H	5905-111-4744	RESISTOR,FIXED,COMPOSITION RC20GF512J (81349)		EA	1				*	*	*	*	*	6-31	1A3A1A1R5
P-H	5905-195-6800	RESISTOR,FIXED,COPOSIT1ON RC20GF561J (81349)		EA	1				*	*	*	*	*	6-31	1A3A1A1R6
P-H	5905-185-6935	RESISTOR,FIXED,COMPOSITION RC42GF302J (S1349)		EA	1				*	*	*	*	*	6-31	1A3A1A1R1
P-N	5905-061-2089	RESISTOR,FIXED,WIREWOUND RW69V510 (81349)		EA	1				*	*	*	*	*	6-31	1A3A1A1R
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	4				*	*	*	*	*	6-31	1A3A1A1CR1
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (813119)		EA	REF				*	*	*	*	*	6-31	1A3A1ACR2
P-H	5961-957-6065	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				*	*	*	*	*	6-31	1A3A1A1CR1
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				*	*	*	*	*	6-31	1A1A1CR4
P-H	5950-106-5261	TRANSFORM ,POWER 1214-256 (72314)		EA	1				*	*	*	*	*	6-31	1A3AA1T1
P-H	5961-951-8757	TRANSISTOR 2N2222A (81349)		EA	1				*	*	*	*	*	6-31	1A3A1A11Q
X1-H		HEAT SINK,SUB ASSEMBLY 1214D20 (72314)		EA	1										1A3A11P550
P-R	5961-836-0383	SEMICONDUCTOR DEVICE,DIODE 1N29858 (81349)		EA	1				*	*	*	*	*	3-14	1A3A1VR3
P-H	5961-893-9563	TRANSISTOR 2N10168 (81349)		EA	1				*	*	*	*	*	3-14	1A3A1Q3
P-H	5310-685-3268	NUT,PLAIN,HEXAGON 1S35691-530 (96906)		EA	1				*	*	*	*	*	3-14	1A31H1405
P-*	5310-167-0814	WASHER,FLAT AN960C516L (88044)		EA	1				*	*	*	*	*	3-14	1A3A11406
P-8	5961-081-4816	TRANSISTOR 2N1485 (81349)		EA	2				*	*	*	*	*	3-14	1A3A1Q2
P-H	5961-061-4816	TRANSISTOR 2N11485 (81349)		EA	REF				*	*	*	*	*	3-14	1A3A1Q4

CHANGE 2 B-49

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG.	ITEM NO. OR REFERENCE DESIGNATION
P-H	5310-271-4642	NUT,PLAIN,HEXAGON 5S35649-44 (96906)	EA	4				*	*	*	*	*	3-14	1A3A1H407
P-H	5310-271-4642	NUT,PLAIN,HEXAGON MS35649-44 (96906)	EA	REF				*	*	*	*	*	3-14	1A3A1H408
P-H	5310-271-4642	NUT,PLAIN,HEXAGON MS35649-44 (96906)	EA	REF				*	*	*	*	*	3-14	1A3A1H409
P-H	5310-271-4642	NUT,PLAIN,HEXAGON MS35649-44 (96906)	EA	REF				*	*	*	*	*	3-14	1A3A1H410
P-H	5305-054-5649	SCREW,MACHINE MS51957-15 (96906)	EA	4				*	*	*	*	*	3-14	1A3A1H411
P-H	5305-054-5649	SCREW,MACHINE MS51957-15 (96906)	EA	REF				*	*	*	*	*	3-14	1A3A1H412
P-H	5305-054-5649	SCREW,MACHINE MS51957-15 (96906)	EA	REF				*	*	*	*	*	3-14	1A3A1H413
P-H	5305-054-5649	SCREW,MACHINE MS51957-15 (96906)	EA	REF				*	*	*	*	*	3-14	1A3A1H414
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)	EA	4				*	*	*	*	*	3-14	1A3A1H415
P-H	5310-595-6211	WASHER,FLAT MS1957S-803 496906)	EA	REF				*	*	*	*	*	3-14	1A3A1H416
P-H	5310-595-6211	WASHER,FLAT M015795-803 (96906)	EA	REF				*	*	*	*	*	3-14	1A3A1H417
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)	EA	REF				*	*	*	*	*	3-14	1A3A1H418
P-O	6240-155-7836	LAMP,INCANDESCENT MS125237-327 (96906)	EA	2	*	*	*	*	*	*	*	*	3-13	1A3DS1
P-O	6240-155-7836	LAMP,INCANDESCENT MS25237-327 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-13	1A3DS2
P-O	6210-542-6393	LAMPHOLDER MS25041-2 (96906)	EA	1	*	*	*	*	*	*	*	*	3-13	1A3XDS1
P-O	5210-538-8770	LAMPHOLDER MS25041-3 (96906)	EA	1	*	*	*	*	*	*	*	*	3-13	1A3XDS2
P-F	6720-107-4447	PANEL,EDGE LIT 1214-88 (72 114) *	EA	1	*	*	*	*	*	*	*	*	3-13	1A3SP551
P-H	53005-045-6655	SCREW,MACHINE MS51957-31 (96906)	EA	4				*	*	*	*	*	3-13	1A3H419
P-H	5305-054-6655	SCREW,MACHINE MS51957-31 (96906)	EA	REF				*	*	*	*	*	3-13	1A3H420
P-H	5305-054-6655	SCREW,MACHINE MS51957-31 (96906)	EA	REF				*	*	*	*	*	3-13	1A3H421
P-H	5305-054-6655	SCREW,MACHINE MS51957-31 (96906)	EA	REF				*	*	*	*	*	3-13	1A3H422
X2-H		PLATE ASSEMBLY 1214D7 (72314)	EA	1										1A3SMP552
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)	EA	4				*	*	*	*	*		1A3H423
P-H	5305-763-6961	SCREW, MACHINE MS51959-26 (96906)	EA	REF				*	*	*	*	*		1A3H424
PNH	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)	EA	REF				*	*	*	*	*		1A3H425
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)	EA	REF				*	*	*	*	*		1A3H426
X1-H		PLATE,BACKING 1214-89 (72314)	EA	1									3-13	1A3MP553
X2-D		SHIELDING,GASKET,ELECTRONIC 10-499 (12881)	FT	2									3-13	1A3MP554
X2-D		SHIELDING,GASKET,ELECTRONIC 10-499 (12881)	FT	REF									3-13	1A3MP555
P-H	5325-351-4597	STUD.TURNLOCK,FASTENER PPFSC1-2-38A (72794)	EA	4				*	*	*	*	*		1A3MP556
P-H	5325-351-4597	STUD.TURNLOCK,FASTENER PPSC3-1-2-3A (72794)	EA	REF				*	*	*	*	*		1A3MP557

CHANGE 2 B-50

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
P-H	5325-351-4597	STUD,TURNLOCK, FASTENER PFSC3-1-2-36A (72794)	EA	REF				*	*	*	*	*		1A3MP558
P-H	5325-351-4597	STUD,TURNLOCK, FASTENER PFSC3-1-2-38A (7279U)	EA	REF				*	*	*	*	*		1A3MP559
P-H	5935-682-0658	SHIELDING,GASKET, ELECTRONC 42-483 (12881)	EA	1	*	*	*	*	*	*	*	*	3-13	1A3MP560
P-H	6760-860-5902	SHIELDING,GASKET,ELECTRONIC 42-488 (126881)	EA	1	*	*	*	*	*	*	*	*	3-13	1A3MP561
P-H	5310-925-9646	NUT,SELF-LOCKING, HEXAGON MS21083C06 (96906)	EA	4	*	*	*	*	*	*	*	*	3-13	1A3H427
P-H	5310-925-9646	NUT, SELF-LOCKING,HEXAGON MS2108C06 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H428
P-H	5310-925-9646	NUT, SELF-LOCKING, HEXAGON MS21083C06 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H429
P-H	5310-925-9646	NUT,SELF-LOCKING, HEXAGON MS21083C06 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H430
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	4	*	*	*	*	*	*	*	*	3-13	1A3H431
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H432
P-O	5305-054-6651	SCREW, MACHIN MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H433
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H434
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-13	1A3H434
P-O	5930-501-1749	SWITCH, PUSH MS25089-3C (96906)	EA	1	*	*	*	*	*	*	*	*	3-13	1A3S5
P-F	5910-106-3927	SWITCH,ROTARY 11359 (14140)	EA	1	*	*	*	*	*	*	*	*	3-13	1A3S4
P-F	5930-518-3490	SWITCH,TOGGLE MS25100-23 (96906)	EA	3	*	*	*	*	*	*	*	*	3-13	1A3S1
P-F	5930-518-3490	SWITCH,TOGGLE MS25100-23 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-13	1A3S2
P-F	5930-518-3490	SWITCH, TOGGLE MS25100-23 (96906)	EA	REF	*	*	*	*	*	*	*	*	3-13	1A3S3
P-F	5940-110-4443	TERMINAL,LUG MS77073-2 (96906)	EA	1	*	*	*	*	*	*	*	*		1A3E3
A-H		WIRING HARNESS 1214D26 (72314)	EA	1										1A3W1
P-H	5310-939-0849	NUT,SELF-LOCKING,HEXAGON MS21083C04 (96906)	EA	2				*	*	*	*	*	3-13	1A3H435
P-H	5310-939-0849	NUT, SELF-LOCKING,HEXAGON MS21083C04 (96906)	EA	REF				*	*	*	*	*	3-13	1A3H436
P-H	5305-054-5650	SCREW,MACHINE MS51957-16 (96906)	ER	2				*	*	*	*	*	3-13	1A3H437
P-H	5305-054-5650	SCREW,MACHINE MS51957-16 (96906)	EA	REF				*	*	*	*	*	3-13	1A3H438
P-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)	EA	2				*	*	*	*	*	3-13	1A3H439
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)	EA	REF				*	*	*	*	*	3-13	1A3H440
P-H	5935-926-0678	CONNECTOR, RECEPACLE, ELECTRICAL MS3127E16-26S (96906)	EA	1				*	*	*	*	*	3-13	1A3W1J2
P-H		CONNETOR,PLUG, ELECTRCAL 1214-117 (72314)	EA	1				*	*	*	*	*	3-13	1A3W1J4
P-H	5940-050-2308	TERMINAL, LUG MS35431-3 (96906)	EA	1				*	*	*	*	*		1A3W1E1
G-O-S	6760-922-5802	MAGAZINE ASSEMBLY LA-410A 1214C1 (72314)	EA	1										MP562
P-H	3030-982-8174	BELT,POSITIVE DRIVE 30102X3-8XT4N10 (61463)	EA	1				*	*	*	*	*	3-16	MP563
X2-H		BRACE, CORNER 1214-210 (72314)	EA	1									3-16	MP564

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
X2-H		BRACE, CORNER 1214-211 (72314)	EA	1								3-16	MP565	
P-H	5305-054-5647	SCREW, MACHINHE MS51957-13 (969D6)	EA	12				*	*	*	*	3-16	H441	
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	3-16	H442	
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	3-16	H443	
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	3-16	H444	
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	3-16	H445	
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	3-16	H446	
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	3-16	H447	
P-H	5305-014-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	3-16	H448	
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	3-16	H449	
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	3-16	H450	
P-H	5305-054-5647	SCREW, MACHINE MS51957-11 (96906)	EA	REF				*	*	*	*	3-16	H451	
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	3-16	H452	
X2-H		BRACE, CORNER 1214-212 (72314)	EA	1								3-16	MP566	
P-F	5305-054-5637	SCREW, MACHINE MS51957-3 (96906)	EA	1	*	*	*	*	*	*	*	3-16	H453	
P-F	5310-595-6761	WASHER, FLAT MS15795-802 (96906)	EA	1	*	*	*	*	*	*	*	3-16	H454	
P-H	6760-071-7014	BRAKE, ASSEMBLY 1193C51 (72314)	EA	1			*	*	*	*	*		MP567	
X1-H		BRAKE, SPOOL 1193-16 (72314)	EA	1								3-16	MP568	
X1-H		PIN, GROOVE, HEADLESS 1193-696 (72314)	EA	1								3-16	MP569	
X1-H		PIVOT, SPOOL 1193-618 (72314)	EA	1								3-16	MP570	
P-H		BEARING, BALL, ANNMLAR SFR1883MMK25 (83086)	EA	5				*	*	*	*	3-16	MP571	
P-H		BEARING, BALL, ANNULAR SFR1883MMK25 (83086)	EA	REF				*	*	*	*	3-16	MP572	
P-H		BEARING, BALL, ANNULAR SFR1883MMK25 (83086)	EA	REF				*	*	*	*	3-16	MP573	
P-H		BEARING, BALL, ANNULAR SFR1883MMK25 (83086)	EA	REF				*	*	*	*	3-16	MP574	
P-H		BEARING, BALL, ANNULAR SFR1883MMK25 (83086)	EA	REF				*	*	*	*	3-16	MP575	
P-H	6720-107-4449	CAM, RETRACTOR 1214-130 (72314)	EA	1				*	*	*	*	3-16	MP576	
P-H	5305-182-7334	SCREW, SHOULDER 1214-157 (72314)	EA	2								3-16	H456	
P-H	5340-136-5537	CATCH, LUGGAGE 1193-700-2 (72314)	EA	4	*	*	*	*	*	*	*	3-16	MP577	
P-F	5340-136-5537	CATCH, LUGGAGE 1193-700-2 (72314)	EA	REF	*	*	*	*	*	*	*	3-16	MP578	
P-F	5340-136-5537	CATCH, LUGGAGE 1193-700-2 (72314)	EA	REF	*	*	*	*	*	*	*	3-16	MP579	
P-F	5340-136-5537	CATCH, LUGGAGE 1193-700-2 (72314)	EA	REF	*	*	*	*	*	*	*	3-16	MP580	

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	42				*	*	*	*	*	3-16	H457
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H458
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H459
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H460
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H461
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H462
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H463
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H464
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H465
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	ER	REF				*	*	*	*	*	3-16	H466
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H467
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H468
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H469
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H470
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H471
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H472
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H473
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H474
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H475
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H476
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H477
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H478
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H479
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H480
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H481
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H482
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H483
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H484
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H485
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H486
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H487

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H488
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H489
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H490
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H491
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H492
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H493
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H494
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H495
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H496
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H497
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)	EA	REF				*	*	*	*	*	3-16	H948
P-H	6760-071-7016	CLUTCH, ASSEMBLY 1193C52 (72314)	EA	1				*	*	*	*	*		MP577
P-H	3110-824-2436	BEARING, BALL, ANNUA FS3XDDFS171 (21335)	EA	4				*	*	*	*	*		MP578
X1-H		CLUTCH, FRICTION 1193-15 (72314)	EA	1									3-16	MP579
M-H		PIN, GROOVE, H EADLESS 1193-696 (72314)	EA	1										MP550
X1-H		PIVOT, SPOOL 1193-618 (72314)	EA	1									3-16	MP561
X2-H		COVER, ACCESS 1214-301 (72314)	EA	1										MP582
P-H	5305-054-5648	SCREW, MACHINE MS51957-14 (96906)	EA	5				*	*	*	*	*	3-16	H499
P-H	5305-054-5648	SCREW, MACHINE MS51957-14 (96906)	EA	REF				*	*	*	*	*	3-16	H500
P-H	5305-054-5648	SCREW, MACHINE MS51957-14 (96906)	EA	REF				*	*	*	*	*	3-16	H501
P-H	5305-054-5648	SCREW, MACHINE MS51957-14 (96906)	EA	REF				*	*	*	*	*	3-16	H502
P-H	5305-054-5648	SCREW, MACHINE MS51957-14 (96906)	EA	REF				*	*	*	*	*	3-16	H503
P-O	6760-110-9897	COVER, ASSMEBLY, MAGAZINE 1193C71 (72314)	EA	1	*	*	*	*	*	*	*	*		MP583
X1-O		COVER, MAGAZINE 1193-655 (72114)	EA	1									3-16	MP584
X2-D		GASKET, COVER 1193-660 (72314)	EA	1									3-16	MP585
M-D		PLATE, MENDING 1193-661 (72314)	EA	2										MP586
M-D		PLATE, MENDING 1193-661 (72314)	EA	REF										MP587
X2-D		STRIKE, CATCH 1193-702 (72314)	EA	2										MP588
X2-D		STRIKE, CATCH 1193-702 (72314)	EA	REP										MP589
X2-D	5320-069-0052	RIVET, TUBULAR 14316535-159 (96906)	EA	4										H504
X2-D	5320-069-0052	RIVET, TUBULAR 14516535-159 (96906)	EA	REP										H505

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
X2-D	5320-069-0052	RIVET, TUBULAR MS516535-159 (96906)	EA	REF										H506
X2-D	5320-069-0052	RIVET, TUBULA MS16535-159 (96906)	EA	REF										H507
P-O	6760-110-9896	COVER ASSEMBLY 1214C12-1 (72314)	EA	2	*	*	*	*	*	*	*	*	*	MP590
P-O	6760-110-9896	COVER ASSEMBLY 1214C12-1 (72314)	EA	REF	*	*	*	*	*	*	*	*	*	MP591
X1-D		COVER 1193-627 (72314)	EA	2									3-16	MP592
A1-D		COVER 1193-627 (72314)	EA	REF									3-16	MP593
M-D		DECAL 1177-19 (72314)	EA	2									3-16	MP594
M-D		DECAL 1177-19 (72314)	EA	REF									3-16	MP595
X2-D		GASKET 1193-145-1 (72314)	EA	2									3-16	MP596
X2-D		GASKET 1193-145-1 (72314)	EA	REF									3-16	MP597
M-D		COVER ASSEMBLY 1214C13 (72314)	EA	1										MP598
X1-D		COVER 1214-303 (72314)	EA	1									3-16	MP599
X2-D	6760-112-0520	GASKET 1193-779 (72314)	EA	1									3-16	MP600
P-H	6760-111-2817	FLANGE 1193-620-1 (72314)	EA	1				*	*	*	*	*	3-16	MP601
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	4				*	*	*	*	*	3-16	H508
P-H	5305-054-5666	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-16	H509
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-16	H510
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)	EA	REF				*	*	*	*	*	3-16	H511
X2-H	6105-168-3693	GASKET 1193-145-2 (72314)	EA	1									3-16	MP602
P-H	6760-071-7017	GEAR, SHAFT, ASSEMBLY 1193C54 (72314)	EA	1				*	*	*	*	*	3-16	MP603
X1-H		GEAR, HUB, ASSEMBLY 1193CS3 (72314)	EA	1										MP604
P-H	5315-825-3748	PIN,GROOVED, HEADLESS MS35672-18 (96906)	EA	1				*	*	*	*	*	3-16	MP605
P-H		SHAFT, STRAIGHT 1193-112 (72314)	EA	1									3-16	MP606
P-H	6760-112-0521	GUIDE, FILM 1214-166 (72314)	EA	1				*	*	*	*	*	3-16	MP607
P-H	6760-112-0522	GUIDE, FILM 1214-167 (72314)	EA	1				*	*	*	*	*	3-16	MP608
P-H	6760-112-0528	GUIDE, FILM 1214-169 (72314)	EA	2				*	*	*	*	*	3-16	MP609
P-H	6760-112-0528	GUIDE, FILM 1214-169 (72314)	EA	REP				*	*	*	*	*	3-16	MP610
P-H	5305-763-6960	SCREW, MACHINE M1451959-25 (96906)	EA	2				*	*	*	*	*	3-16	H512
P-H	5305-763-6960	SCREW, MACHINE MS51959-25 (96906)	EA	REF				*	*	*	*	*	3-16	H513
P-H	5305-763-6961	SCREW, MACHINE MS51959-26 (96906)	EA	12				*	*	*	*	*	3-16	H514
P-H	5305-763-6961	SCREW, MACHINE MS51959-26 (96906)	EA	REF				*	*	*	*	*	3-16	H515

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
P-H	5305-763-6961	SCREW, MACHINE MS51959-26 (96906)	EA	REF				*	*	*	*	*	3-16	H516
P-N	5305-761-6961	SCREW, MACHINE MS51959-26 (96906)	EA	REF				*	*	*	*	*	3-16	H517
P-H	5305-763-6961	SCREW, MACHINE MS51959-26 (96906)	EA	REF				*	*	*	*	*	3-16	H518
P-H	5305-763-6991	SCREW, MACHINE MS51959-26 (96906)	EA	REF				*	*	*	*	*	3-16	H519
P-H	5305-763-6961	SCREW, MACHINE MS51959-26 (96906)	EA	REP				*	*	*	*	*	3-16	H520
P-H	5305-763-6961	SCREW, MACHINE MS51959-26 (96906)	EA	REF				*	*	*	*	*	3-16	H521
P-H	5305-763-6961	SCREW, MACHINE MS51959-26 (96906)	EA	REF				*	*	*	*	*	3-16	H522
P-H	5305-763-6961	SCREW, MACHINE MS51959-26 (96906)	EA	REP				*	*	*	*	*	3-16	H523
P-H	5305-763-6961	SCREW, MACHINE MS51959-26 (96906)	EA	REF				*	*	*	*	*	3-16	H524
P-H	5305-763-6961	SCREW, MACHINE MS51959-26 (96906)	EA	REF				*	*	*	*	*	3-16	H525
P-H	6760-111-6782	GUIDE, FILM 1214-328 (72314)	EA	1				*	*	*	*	*	3-16	MP611
P-H	6760-116-0671	GUIDE, FILM 1214-329 (72311)	EA	1				*	*	*	*	*	3-16	MP612
X2-H		HANDLE, BOW 1193-91 (72314)	EA	1									3-16	MP613
P-H	5305-813-5486	SCREW, SHOULDER 4327 (00141)	EA	2				*	*	*	*	*	3-16	H526
P-H	5305-813-5486	SCREW, SHOUDLER 4327 (00141)	EA	REF				*	*	*	*	*	3-16	H527
X2-H		HOUSING, MAGAZINE 1214-23 (72314)	EA	1									3-16	MP614
P-F-S	6760-111-2815	KEEPER BLOCK ASSEMBLY 1214C7 (72314)	EA	1	*	*	*	*	*	*	*	*	3-16	MP615
P-H	5305-054-6655	SCREW, MACHINE MS51957-31 (96906)	EA	2				*	*	*	*	*	3-16	H528
P-H	5305-054-6655	SCREW, MACHINE MS51957-31 (96906)	EA	REF				*	*	*	*	*	3-16	H529
P-H	6720-153-0042	ARM, ACTUATOR 1214-291 (72314)	EA	1				*	*	*	*	*	3-18	MP616
P-H	6760-110-9891	ARM, KEEPER 121A-39 (72314)	ER	1				*	*	*	*	*	3-18	MP617
P-H	6760-110-9892	ARM, KEEPRE 12114-40 (72314)	EA	1				*	*	*	*	*	3-18	MP618
X2-H		BLOCK, KEEPER 1214-98 (72314)	EA	1									3-18	MP619
X2-H		PIN, SHOULDER, HEADLESS 1193-664 (72314)	EA	1									3-18	MP620
PB	5315-847-5677	PIN, STRAIGHT, HEADLESS MS16555-626 (96906)	EA	1				*	*	*	*	*	3-18	MP621
M-D		PIN, STRAIGHT, HEADLESS 1214-165 (72314)	EA	2									3-18	MP622
M-D		PIN, STRAIGHT, HEADLESS 1214-165 (72311)	EA	REF									3-18	MP623
M-D		PIN STRAIGHT HEADLESS 121 367 (72314)	EA	4									3-18	MP624
M-D		PIN, STRAIGHT, HEADLESS 1214-367 (72314)	EA	REF									3-18	MP625
M-D		PIN, STRAIGHT, HEADLESS 1214-367 (72314)	EA	REF									3-18	MP626
M-D		PIN, STRAIGHT, HEADLESS 1214-367 (72314)	EA	REF									3-18	MP627

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
P-H	6760-112-0523	PIVOT ARM ASSEMBLY 1214C11 (72314)	EA	1				*	*	*	*	*		MP628
X1-H		ARM, ROLLER 1214-287 (72314)	EA	1									3-18	MP629
X1-H		PIN, STRAIGHT, HEADED 1214-288 (72314)	EA	1									3-18	MP630
X1-H		PIN STRAIGHT, HEADLESS MS16555-603 (96906)	EA	1									3-18	MP631
X1-H		ROLLER 1214-290 (72314)	EA	1									3-18	MP632
X1-H		SHAFT, STRAIGHT 1214-155 (72314)	EA	1									3-18	MP633
X1-H		SHAFT, STRAIGHT 1214-289 (72314)	EA	1									3-18	MP634
P-H	5340-543-3981	RING, RETAINING MS16633-4009 (96906)	EA	1				*	*	*	*	*	3-18	MP635
P-H	5340-866-1471	RING, RETAINING MS16632-4012 (96906)	EA	1				*	*	*	*	*	3-18	MP636
P-H	5340-725-0969	RING,RETAINING MS16633-4018 (96906)	EA	8				*	*	*	*	*	3-16	MP637
P-H	5340-725-0969	RING,RETAINING MS16633-4018 (96906)	EA	REF				*	*	*	*	*	3-16	MP638
P-R	5340-725-0969	RING, RETAINING MS16633-4018 (96906)	EA	REF				*	*	*	*	*	3-16	MP639
P-H	5340-725-0969	RING, RETAINING MS16633-4018 (96906)	EA	REF				*	*	*	*	*	3-16	MP640
P-H	5340-725-0969	RING, RETAINING MS16633-4018 (96906)	EA	REF				*	*	*	*	*	3-16	MP641
P-H	5340-725-0969	RING, RETAINING MS16633-4018 (96906)	EA	REF				*	*	*	*	*	3-16	MP642
P-H	5340-725-0969	RING, RETAINING MS16633-4018 (96906)	EA	REF				*	*	*	*	*	3-16	MP643
P-H	5340-725-0969	RING, RETAINING MS16633-4018 (96906)	EA	REF				*	*	*	*	*	3-16	MP644
P-H	6760-112-0524	ROLLER, KEEPER 1214-124 (72314)	EA	8				*	*	*	*	*	3-18	MP645
P-H	6760-112-0524	ROLLER, KEEPER 1214-124 (72314)	EA	REF				*	*	*	*	*	3-18	MP646
P-H	6760-112-0524	ROLLER, KEEPER 1214-124 (72314)	EA	REF				*	*	*	*	*	3-18	MP647
P-H	6760-112-0524	ROLLER, KEEPER 1214-124 (72314)	EA	REF				*	*	*	*	*	3-18	MP648
P-H	6760-112-0524	ROLLER,KEEPER 1214-124 (72314)	EA	REF				*	*	*	*	*	3-18	MP649
P-H	6760-112-0524	ROLLER, KEEPER 1214-124 (72314)	EA	REF				*	*	*	*	*	3-18	MP650
P-H	6760-112-0524	ROLLER, KEEPER 1214-124 (72314)	EA	REF				*	*	*	*	*	3-18	MP651
P-H	6760-112-0524 P652	ROLLER, KEEPER 1214-124 (72314)	EA	REF				*	*	*	*	*	3-18	M
X2-H		SHAFT, STRAIGHT 1214-181 (72314)	EA	4									3-18	MP653
X2-H		SHAFT, STRAIGHT 1214-181 (72314)	EA	9									3-18	MP654
X2-H		SHAFT, STRAIGHT 1214-181 (72314)	EA	REF									3-18	MP655
X2-H		SHAFT, STRAIGHT 1214-181 (72314)	EA	REF									3-18	MP656
X2-H		SHAFT, STRAIGHT 1214-182 (72314)	EA	2									3-18	MP657
X2-H		SHAFT, STRAIGHT 1214-182 (72314)	EA	REF									3-18	MP658

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
M-H		SHIM P200-2C12 (72314)	EA	1								3-18	MP659	
P-H	5365-168-7040	SHIM 1214-220 (72314)	EA	1				*	*	*	*	3-18	MP660	
P-H	5360-168-7162	SPRING, HELICAL, TORSION 1214-293 (72314)	EA	1				*	*	*	*	3-18	P661	
P-O	5340-811-1555	LATCH, FILM MAGAZINE 30L20-3AB (71286)	EA	8	*	*	*	*	*	*	*	3-16	MP662	
P-O	5340-811-1555	LATCH, FILM MAGAZINE 30L20-3AS (71286)	EA	REF	*	*	*	*	*	*	*	3-16	MP663	
P-O	5340-811-1555	LATCH, FILM MAGAZINE 30L20-3AB (71286)	EA	REF	*	*	*	*	*	*	*	3-16	MP664	
P-O	5340-811-1555	LATCH, FILM MAGAZINE 30L20-3AB (71286)	EA	REF	*	*	*	*	*	*	*	3-16	P665	
P-O	5340-811-1555	LATCH, FILM MAGAZINE 30L20-3AB (71286)	EA	REF	*	*	*	*	*	*	*	3-16	MP666	
P-O	5340-811-1555	LATCH, FILM MAGAZINE 30L20-3AB (71286) 3	EA	REF	*	*	*	*	*	*	*	3-16	MP667	
P-O	5340-811-1555	LATCH, FILM MAGAZINE 30L20-3AB (71286)	EA	REF	*	*	*	*	*	*	*	3-16	MP668	
P-O	5340-811-1555	LATCH, FILM MAGAZINE 30L20-3AB (71286)	EA	REF	*	*	*	*	*	*	*	3-16	MP669	
P-H	5310-062-0912	NUT, SELF-LOCKING, HEXAGON MS35649-64 (96906)	EA	1				*	*	*	*		MP670	
P-H	5315-491-0624	PIN, SHOULDER, HEADLESS 1193-643 (72314)	EA	1				*	*	*	*	3-16	MP671	
X2-H	5315-702-9650	PIN, STRAIGHT, HEADLESS MS16555-602 (96906)	EA	7				*	*	*	*	3-16	MP672	
X2-H	5315-702-9650	PIN, STRAIGHT, HEADLESS MS16555-602 (96906)	EA	REF								3-16	MP673	
X2-H	5315-702-9650	PIN, STRAIGHT, HEADLESS MS16555-602 (96906)	EA	REF								3-16	MP674	
X2-H	5315-702-9650	PIN, STRAIGHT, HEADLESS MS16555-602 (96906)	EA	REF								3-16	MP675	
X2-H	5315-702-9650	PIN, STRAIGHT, HEADLESS MS16555-602 (96906)	EA	REF								3-16	MP676	
X2-H	5315-702-9650	PIN, STRAIGHT, HEADLESS MS16555-602 (96906)	EA	REF								3-16	MP677	
X2-H	5315-702-9650	PIN, STRAIGHT, HEADLESS MS316555-602 (96906)	EA	REF								3-16	MP678	
X2-H		PIN, STRAIGHT, HEADLESS 1214-147 (72314)	EA	1								3-16	MP679	
X2-H		PIN, STRAIGHT, HEADLESS 1214-159 (72314)	EA	1								3-16	MP680	
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	2				*	*	*	*		H530	
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*		H531	
X2-H	5310-782-1349	WASHER, FLAT MS15795-804 (96906)	EA	2									H532	
X2-H	5310-782-1349	WASHER, FLAT MS15795-804 (96906)	EA	REF									H533	
X2-H		PLATE, COVER 1193-20 (72314)	EA	1								3-16	MP681	
X2-H		PLATE, COVER 1214-302 (72314)	EA	1								3-16	MP682	
Y-D		PLATE, IDENTIFICATION 1214-217-2 (72314)	EA	1								3-16	MP683	
X2-H		PLATE, RETAINING 1193-698 (72314)	EA	2								3-16	MP684	
X2-B		PLATE, RETAINING 1193-698 (72314)	EA	REF								3-16	MP685	

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
A-F-S		PLATE, PRESSURE ASSEMBLY 1214C8 (72314)	EA	1									3-16	MP686
P-H	5305-182-7331	SCREW, SHOULDER 1214-179 (72314)	EA	2				*	*	*	*	*	3-16	H534
P-H	5305-182-7331	SCREW, SHOULDER 1214-179 (72314)	EA	REF				*	*	*	*	*	3-16	H535
P-H	6760-111-6783	GUIDE, FILM 1214-143 (72314)	EA	1				*	*	*	*	*	3-17	MP687
P-H	6760-111-6787	GUIDE, FILM 1214-144 (72314)	EA	1				*	*	*	*	*	3-17	MP688
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	9				*	*	*	*	*	3-17	H536
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-17	H537
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-17	H538
P-H	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)	EA	REF				*	*	*	*	*	3-17	H539
P-H	5315-182-6240	PIN, SHOULDER, HEADED 1214-131 (72314)	EA	1				*	*	*	*	*	3-17	MP689
P-H	5315-817-0889	PIN, STRAIGHT, HEADLESS MS16555-601 (96906)	EA	4				*	*	*	*	*	3-17	MP690
P-H	5315-817-0889	PIN, STRAIGHT, HEADLESS MS16555-601 (96906)	ER	REF				*	*	*	*	*	3-17	MP691
P-H	5315-817-0889	PIN, STRAIGHT, HEADLESS MS16555-601 (96906)	EA	REF				*	*	*	*	*	3-17	MP692
P-H	5315-817-0889	PIN, STRAIGHT, HEADLESS MS16555-601 (96906)	EA	REF				*	*	*	*	*	3-17	MP693
P-H	6760-110-9893	PLATE, PRESSURE 1214-132 (72314)	EA	1				*	*	*	*	*	3-17	MP694
P-H	6760-110-9894	PLATE, PRESSURE 1214-142 (72114)	EA	1				*	*	*	*	*	3-17	MP695
P-H	5340-598-1138	RING, RETAINING MS16633-4012 (96906)	EA	1				*	*	*	*	*	3-17	MP696
P-H	5360-168-7079	SPRING, HELICAL, COMPRESSION 1214-139 (72314)	EA	1				*	*	*	*	*	3-17	MP697
P-H	5310-182-6226	WASHER, FLAT S128SP031F437 (72314)	EA	1				*	*	*	*	*	3-17	MP698
P-H	5310-182-6210	WASHER, SPRING, TENSION 1214-133 (72314)	EA	1				*	*	*	*	*	3-17	MP699
X2-H	5310-182-6222	WASHER, RECESSED 1214-164 (72314)	EA	1									3-17	MP700
A-F-S		PRESSURE ROLLER ASSEMBLY 1214C6 (72314)	EA	1									3-16	MP701
P-H	3110-489-2485	BEARING, BALL, ANNULAR SFR1683MH125 (83086)	EA	2				*	*	*	*	*	3-16	MP702
P-H	3110-489-2485	BEARING, BALL, ANNULAR SPR1683MMX(25 (83086)	EA	REF				*	*	*	*	*	3-16	MP703
P-H	3120-182-8217	BUSHING, SLEEVE 1193-715 (72314)	EA	2				*	*	*	*	*	3-19	MP704
P-H	3120-182-8217	BUSHING, SLEEVE 1193-715 (72314)	EA	REF				*	*	*	*	*	3-19	MP705
P-H	6760-111-6786	GUIDE, FIIM 1214-207 (72314)	EA	1				*	*	*	*	*	3-19	MP706
P-H	6760-111-6785	GUIDE, FILM 214-209 (72314)	EA	1				*	*	*	*	*	3-19	MP707
P-H	5365-054-5636	SCREW, MACHINE MS51957-2 (96906)		2				*	*	*	*	*	3-19	H540
P-H	535-054-5636	SCREW, MACHINE MS51957-2 (96906)		REF				*	*	*	*	*	3-19	H541
P-H	6760-110-9895	ROLLER, FILM 1214-284 (72314)	EA	1				*	*	*	*	*	3-19	MP708

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
P-H	6760-110-9899	ROLLER, FOLLOWER 1214-162 (72314)	EA	1				*	*	*	*	*	3-11	MP709
P-H	5315-168-2930	PIN, STRAIGHT, HEADLESS 1214-319 (72314)A,	EA	2				*	*	*	*	*	3-19	MP710
P-H	5315-168-2930	PIN, STRAIGHT, HEADLESS 1214-319 (72314)	EA	REF				*	*	*	*	*	3-19	MP711
P-H	5365-168-7043	SPACER, SLEEVE S250AS200H312 (72314)	EA	1				*	*	*	*	*	3-19	MP712
P-H	5305-989-9842	SPACER, SLEEVE S250AB250H312 (72314)	EA	1				*	*	*	*	*	3-19	MP713
X2-H	5305-989-9842	SETSCREW NAS1081C04 A4 (80205)	EA	1									3-19	MP714
X2-H		SHAFT, STRAIGHT 1193-693 (72314)	EA	1									3-19	MP715
P-R	5365-168-7039	SHIM F200-2C75 (72314)	EA	3				*	*	*	*	*	3-19	MP716
P-H	5365-168-7039	SHIM F200-2C75 (72314) 34	EA	3				*	*	*	*	*	3-19	MP717
P-R	5365-168-7039	SHIM F200-2C75 (72314)	EA	REF				*	*	*	*	*	3-19	MP718
X2-H		YOKE, ROLLER 1214-172 (72314)	EA	1									3-19	MP719
P-H		RING, RETAINING MS16624-4018 (96906)	EA	1				*	*	*	*	*		MP720
P-H	5340-298-6564	RING, RETAINING MS16624-4025 (96906)	EA	1				*	*	*	*	*	3-16	MP721
P-H	5340-205-6552	RING, RETAINING MS116633-4025 (96906)	EA	1				*	*	*	*	*	3-16	MP722
P-H	6760-110-9898	ROCKER ARM ASSEMBLY 1214C10 (72314)	EA	1				*	*	*	*	*		MP723
X1-H		ARM, ROCKER 1214-177 (72314)j	EA	1									3-16	MP724
P-H	5315-273-8015	PIN, GROOVED, HEADLESS MS35672-7 (96906)	EA	1				*	*	*	*	*	3-16	MP725
X1-H		PIN, STRAIGHT, HEADED 1214-178 (72314)	EA	2									3-16	MP726
X1-H		PIN, STRAIGHT, HEADED 1214-178 (72314)	EA	REF									3-16	MP727
X1-H		SHAFT, STRAIGHT 1214-156 (72314)	EA	1									3-16	MP728
M-H		SCREW, MACHINE 1214-409 (72314)	EA	1										MP729
P-R-S	6760-112-0531	SHAFT, ADAPTER, ASSEMBLY 1193C66 (72314)	EA	1				*	*	*	*	*		MP730
X1-R		ADAPTER, ROLLER 1193-641 (72314)	EA	1									3-16	MP731
P-H	3110-824-2435	BEARING, ANNULAR SR1683MMK25 (83086)	EA	2				*	*	*	*	*	3-16	MP732
P-H	3110-624-2435	BEARING, BALL, ANNULAR SR1683MMK25 (83086)	EA	REP				*	*	*	*	*	3-16	MP733
P-H	5315-722-6591	PIN, GROOVED, HEADLESS MS435672-16 (96906)	EA	1				*	*	*	*	*	3-16	MP734
P-H	5340-298-6564	RING, RETAINING MS416624-4025 (96906)	EA	1				*	*	*	*	*	3-16	MP735
P-H	6760-110-9900	ROLLER, FILM 1193-644 (72314)	EA	1				*	*	*	*	*	3-16	MP736
X2-R		SHAFT, STRAIGHT 1193-639 (72314)	EA	1									3-16	MP737
P-H	6760-071-9352	WASHER, FLAT 1193-681-2 (72314)	EA	3				*	*	*	*	*	3-16	MP738
P-H-S	6760-112-0526	SHAFT, ADAPTER, ASSEMBLY 1193C67 (72314)	EA	1				*	*	*	*	*	3-16	MP739

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
P-H	5305-054-5648	SCREW, MACHINEEA MS51957-14 (96906)	EA	2				*	*	*	*	*	3-16	H542
P-H	5305-054-5648	SCREW, MACHINE MS51957-14 (96906)	EA	REF				*	*	*	*	*	3-16	H543
P-H	5310-880-5976	WASHER, FLAT MS15795-806 (96906)	EA	2				*	*	*	*	*	3-16	H544
P-H	5310-880-5976	WASHER, FLAT MS15795-806 (96906)	EA	REF				*	*	*	*	*	3-16	H545
X1-H		ADAPTER, ROLLER 1193-641 (723114)	EA	1									3-16	MP740
P-H	3110-824-2435	BEARING, BALL, ANNULAR SR1683MMK25 (83086)	EA	2				*	*	*	*	*		MP741
P-H	3110-824-2435	BEARING, BALL, ANNULAR SR1683MMK25 (83086)	EA	REF				*	*	*	*	*		MP742
P-H	5315-722-6591	PIN, GROOVED, HEADLESS MS35672-16 (96906)	EA	1				*	*	*	*	*	3-16	MP743
P-H	5340-298-6564	RING, RETAINING MS16624-4025 (96906)	EA	1				*	*	*	*	*	3-16	MP744
P-H	6760-071-9353	ROLLER, FLM 1193-692 (72314)	EA	1				*	*	*	*	*	3-16	MP745
X2-H		SHAFT, STRAIGHT 1193-640 (72314)	EA	1									3-16	MP746
P-H	6760-071-9352	WASHER, FLAT 1193-681-2 (72314)	EA	1				*	*	*	*	*	3-16	MP747
M-D		SHIELD, LIGHT 1214-161 (72314)	EA	1									3-16	MP748
P-H	6760-901-7322	SHIM F200-1C55 (72314)	EA	2				*	*	*	*	*	3-16	MP749
P-H	6760-901-7322	SHIM F200-1C55 (72314)	EA	REP				*	*	*	*	*	3-16	MP750
P-H	5340-903-8482	SHIM F200-2C55 (72314)	EA	2				*	*	*	*	*	3-16	MP751
P-H	5340-903-8482	SHIM F200-2C55 (72314)	EA	REF				*	*	*	*	*	3-16	MP752
P-H	5365-168-7039	SHIM F200-2C63 (72314)	EA	1				*	*	*	*	*	3-16	MP753
P-H	6760-923-3054	SHIM F200-2C71 (72314)	EA	4				*	*	*	*	*	3-16	MP754
P-H	6760-923-3054	SHIM F200-2C74 (72314)	EA	REF				*	*	*	*	*	3-16	MP755
P-H	6760-923-3054	SHIM F200-2C74 (72314)	EA	REF				*	*	*	*	*	3-16	MP756
P-H	6760-923-3054	SHIM F200-2C74 (72314)	ER	REF				*	*	*	*	*	3-16	MP757
P-H	5365-168-7149	SPACER, SLVEEVE S190SP10BH437 (723114)	EA	1				*	*	*	*	*	3-16	MP758
P-H	6760-072-6256	SPINDLE, ASSEMBLY 1193C64 (72314)	EA	2				*	*	*	*	*		MP759
P-H	6760-072-6256	SPINDLE, ASSEMBLY 1193C64 (72314)	EA	REF				*	*	*	*	*		MP760
P-H	3110-489-2485	BEARING,BALL, ANNULAR SFR1683MMK25 (83086)	EA	4				*	*	*	*	*	3-19	MP761
P-H	3110-489-2485	BEARING, BALL, ANNULAR SFR1683MMK25 (83086)	EA	REF				*	*	*	*	*	3-19	MP762
P-H	3110-489-2485	BEARING, BALL, ANNULAR SFR1683MMK25 (83086)	EA	REF				*	*	*	*	*	3-19	MP763
P-R	3110-489-2485	BEARING, BALL, ANNULAR SFR1683MMK25 (83086)	EA	REF				*	*	*	*	*	3-19	MP764
X2-H		KNOB, ASSEMBLY 1193C63 (72314)	EA	2									3-16	MP765
X2-H		KNOB, ASSEMBLY 1193C63 (72314)	EA	REF									3-16	MP766

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
X1-H		PIN, GROOVE HEADLESS 1193-696 (72314)	EA	2								3-16	MP767	
X1-H		PIN, GROOVE, HEADLESS 1193-696 (72314)	EA	REF								3-16	NP768	
X1-H		PIVOT, SPOOL 1193-618 (72314)	EA	2								3-16	MP769	
X1-H		PIVOT, SPOIL 1193-618 (72314)	EA	REF								3-16	MP770	
P-H	5340-298-6564	RING, RETAINING MS16624-4025 (96906)	EA	2				*	*	*	*	3-16	MP771	
P-H	5340-298-6564	RING, RETAINING MS16624-4025 (96906)	EA	REF				*	*	*	*	3-16	MP772	
X2-H		SHAFT, STRAIGHT 1193-642 (72314)	EA	2								3-16	MP773	
X2-H		SHAFT, STRAIGHT 1193-642 (723 14)	EA	REF								3-16	MP774	
X2-H	6760-923-3053	SHIM F200-2C73 (72314)	EA	2								3-16	MP775	
X2-H	6760-923-3053	SHIM F200-2C73 (72314)	EA	REF								3-16	MP776	
P-H	6760-071-9352	WASHER, FLAT 1193-681-2 (723111)	EA	2				*	*	*	*	3-16	MP777	
P-H	6760-071-9352	WASHER, FLAT 1193-681-2 (72314)	EA	REF				*	*	*	*	3-16	MP778	
P-F	6760-909-8067	SPOOL, FILM 1093-171 (72314)	EA	1	*	*	*	*	*	*	*	3-16	MP779	
P-H	5360-168-7084	SPRING, HELICAL COMPRESSION 1214-190 (72314)	EA	1				*	*	*	*	3-16	MP780	
P-H	5340-780-1792	SPRING, HELICAL, TENSION MS24585-83 (96906)	EA	2				*	*	*	*	3-16	MP761	
P-H	5340-780-1792	SPRING, HELICAL, TENSION MS24585- 3 (96906)	EA	REF				*	*	*	*	3-16	MP782	
P-H	5360-112-0527	SPRING, LEAF 1214-184 (72314)	EA	2				*	*	*	*	3-16	MP763	
P-H	5360-112-0527	SPRING, LEAF 1214-184 (72314)	EA	REF				*	*	*	*	3-16	MP784	
P-H	6760-112-0529	SPRING, LEAF 1214-185 (72314)	EA	1				*	*	*	*	3-16	MP785	
P-H	6760-112-0525	SPROCKET ASSEMBLY 1214C2 (72314)	EA	1				*	*	*	*		MP786	
P-H		BEARING, BALL, ANNULAR SFR1883MMK25 (83066)	EA	1				*	*	*	*		MP787	
X2-H		GEAR, SPUR 1193-621 (72314)	EA	1								3-16	MP788	
P-H	5315-273-8016	PIN, GROOVED, HEADLESS MS35672-17 (96906)	EA	2				*	*	*	*	3-16	MP789	
P-H	5315-273-8016	PIN, GROOVED, .HEADLESS MS35672-17 (96906)	EA	REF				*	*	*	*	3-16	MP789A	
X2-H	5315-815-1391	PIN, GROOVED, HEADLESS MS35672-19 (96906)	EA	1								3-16	MP790	
X2-H		PLATE, RETAINING, BEARING 1214-125 (72314)	EA	1								3-16	MP791	
X2-H		PULLEY, ASSEMBLY 1193C8S (72314)	EA	1								3-16	MP792	
X1-H		SHAFT, STRAIGHT 1193-111 (72314)	EA	1								3-16	MP793	
X2-H		SPACER, RING 1193-682-1 (72314)	EA	1								3-16	MP794	
X2-H		SPACER, RING 1193-682-2 (72314)	EA	1								3-16	MP795	
X2-H		SPROCKET 1193-745-4 (72314)	EA	1								3-16	MP796	

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
P-H	6760-112-0530	SPROCKET ASSEMBLY 1214C3 (72314)	EA	1				*	*	*	*	*	3-16	MP797
P-H		BEARING, BALL, ANNULAR SFR183MMK25 (83086)	EA	1				*	*	*	*	*		MP798
X2-H		GEAR, SPUR 1214-140 (72314)	EA	1									3-16	MP799
P-H	5315-273-9016	PIN, GROOVED, HEADLESS MS35672-17 (96906)	EA	1				*	*	*	*	*	3-16	MP800
X2-H	5315-815-1391	PIN, GROOVED, HEADLESS MS35672-19 (96906)	EA	1									3-16	MP801
P-H	5315-187-3241	PIN, TAPED, PLAIN F114-50-8 (72314)	EA	1				*	*	*	*	*	3-16	MP802
X2-H		PLATE, RETAINING, BEARING 1214-125 (72314)	EA	1									3-16	MP803
X2-H		PULLEY, ASSEMBLY 1193C57 (72314)	EA	1									3-16	MP804
X1-H		SHAFT, STRAIGHT 1193-113 (72314)	EA	1									3-16	MP805
X2-H		SPACER, RING 1193-682-1 (72114)	EA	1										MP806
X2-H		SPROCKET 1193-745-3 (72314)	EA	1									3-16	MP807
M-D		STRIPPER 1214-183 (72311)	EA	1									3-16	MP808
P-F	5305-054-6649	SCREW, MACHINE MS51957-25 (96906)	EA	2	*	*	*	*	*	*	*	*		H546
P-F	5305-054-6649	SCREW, MACHINE MS51957-25 (96906)	EA	REF	*	*	*	*	*	*	*	*		H547
P-H	5310-182-6218	WASHER, SLOTTED 1214-148 (72314)	EA	2				*	*	*	*	*	3-16	MP809
P-H	5310-182-6218	WASHER, SLOTTED 1214-148 (72314)	EA	REF				*	*	*	*	*	3-16	MP810
G-0-S	6720-400-2590	CONTROL PANEL LA-428A 1214D33 (72314)	EA	1										4
X2-H		CHASSIS ASSEMBLY 1214D40 (72314)	EA	1										4MP1
P-H	5305-054-6655	SCREW, MACHINE MS51957-31 (96906)	EA	4				*	*	*	*	*	6-5	4H1
P-H	5305-054-6655	SCREW, MACHINE MS51957-31 (96906)	EA	REF				*	*	*	*	*	6-5	4H2
P-H	5305-054-6655	SCREW, MACHINE MS51957-31 (96906)	EA	REF				*	*	*	*	*	6-5	4H3
P-H	5305-054-6655	SCREW, MACHINE MS51957-31 (96906)	EA	REF				*	*	*	*	*	6-5	4H4
P-H	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	4				*	*	*	*	*	6-5	4H5
P-H	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF				*	*	*	*	*	6-5	4H6
P-H	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF				*	*	*	*	*	6-5	4H7
P-H	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	REF				*	*	*	*	*	6-5	4H8
P-H	5925-111-1730	CIRCUIT BREAKER MS9019-1-19 (81349)	EA	1				*	*	*	*	*	6-5	4CB1
P-1-S		CIRCUIT CARD ASSEMBLY 1214D37 (72314)	EA	1	*	*	*	*	*	*	*	*	6-5	4A1
P-H		CAPACITOR, FIXED, ELECTROLYTIC 110D20618250R1 (6289)	EA	1				*	*	*	*	*	6-3	4A1C1
X2-H		HEAT SINK, ELECTRICAL COMPONENT 1214-390 (72314)	EA	2									6-5	4A1MP2
X2-H		HEAT SINK, ELECTRICAL COMPONENT 1214-390 (72314)	EA	REF									6-5	4A1MP3

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG.	ITEM
													NO.	NO.
X2-H		NUT, PLAIN, HEXAGON MS35469-44 (96906)	EA	4										4A1H9
X2-H		NUT, PLAIN, HEXAGON MS35469-44 (96906)CT	EA	REF										4A1H10
X2-H		NUT, PLAIN, HEXAGON MS35469-41 (96906)	EA	REF										4A1H11
X2-H		NUT, PLAIN, HEXAGON MS35469-44 (96906)	EA	REF										4A1H12
X2-H	5305-054-5650	SCREW, MACHINE MS51957-16 (916906)	EA	3										4A1H13
X2-H	5305-054-5650	SCREW, MACHINE MS51957-16 (96906)	EA	REF										4A1H14
X2-H	5305-054-5650	SCREW, MACHINE MS51957-16 (96906)	EA	REF										4A1H15
X2-H	5305-054-5649	SCREW, MACHINE MS51957-15 (96906)	EA	1										4A1H16
X2-H	531 1595-6211	WASHER, FLAT MS15795-803 (96906)A	EA	4								6-5		4A1H17
X2-H	5310-535-6211	WASHER, FLAT MS15795-803 (96906)	EA	REF								6-5		4A1H18
X2-H	5310-595-6211	WASHER, FLAT MS15795-801 (96906)	EA	REF								6-5		4A1H19
X2-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)	EA	REF								6-5		4A1H20
X1-H		PRINTED WIRING BOARD ASSEMBLY 1214D42 (72311)	EA	1										4A1MP4
P-H	5905-171-2004	RESISTOR, FIXED, COMPOSITION RC20GF223J (81349)	EA	1				*	*	*	*		6-3	4A1R19
P-H	5905-882-7888	RESISTOR, FIXED, FILM RN60C1240 (81349)	EA	1				*	*	*	*		6-3	4A1R14
P-H	5905-061-2251	RESISTOR, FIXED, FILM RN60C5887F (81349)	EA	1				*	*	*	*		6-3	4A1R18
P-H	5905-269-2171	RESISTOR, FIXED, FILM RN610D2105F (81149)	EA	1				*	*	*	*		6-3	4A1R17
P-H	5905-079-3176	RESISTOR, FIXED FILM RC60D30R1F (81349)	EA	1				*	*	*	*		6-3	4A1R16
P-H	5905-087-8408	RESISTOR, FIXED, FILM RN60D37R4F (81349)	EA	1				*	*	*	*		6-3	4A1R15
P-H	5905-752-3369	RESISTOR, FIXED, FILM RN70C287RF (81349)	EA	4				*	*	*	*		6-3	4A1R12
P-H	5905-926-2758	RESISTOR, FIXED, FILM RN70C3240F (81349)	EA	1				*	*	*	*		6-3	4A1R9
P-H	5905-681-4940	RESISTOR, FIXED, FILM R870C4020P (81349)	EA	3				*	*	*	*		6-3	4A1R7
P-H	5905-681-4940	RESISTOR, FIXED, FILM RN70C4020F (81349)	EA	REF				*	*	*	*		6-3	4A1R10
P-H	5905-681-4940	RESISTOR, FIXED, FILM RN70C4020F (81349)	EA	REF				*	*	*	*		6-3	4A1R11
P-H	5905-752-3815	RESISTOR, FIXED, FILM RN70C41201F (81349)	EA	REF				*	*	*	*		6-3	4A1R13
P-H	5905-834-0019	RESISTOR, FIXED, FILM RN70C46402 (813119)	EA	1				*	*	*	*		6-3	4A1R8
P-H	5905-855-2544	RESISTOR, FIXED, WIREWOUND RW67V222 (81349)	EA	1				*	*	*	*		6-3	4A1R2
P-H	5905-061-2089	RESISTOR, FIXED, WIREWOUND RW69V510 (81349)	EA	1				*	*	*	*		6-3	4A1R20
P-B	5905-044-2229	RESISTOR, FIXED, WIREWOUND RW69V561 (81349)	EA	1				*	*	*	*		6-3	4A1R1
P-H	5905-902-1208	RESISTOR, FIXED, WIREWOUND RW70U1001F (81349)	EA	1				*	*	*	*		6-3	4A1R6
P-H	5905-161-7736	RESISTOR, FIXED, WIREWOUND RW74U9091F (81349)	EA	1				*	*	*	*		6-3	4A1R3

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
P-H	5905-067-9079	RESISTOR, VARIABLE RT22C2P102 (811349)	EA	1				*	*	*	*	*	6-3	4A1R4
P-H	5961-883-8906	SEMICONDUCTOR DEVICE, DIODE 1N3016B (81349)	EA	1				*	*	*	*	*	6-3	4A1VR1
P-H	5961-723-3602	SEMICONDUCTOR DEVICE, DIODE 1N3612 (61349)	EA	5				*	*	*	*	*	6-3	4A1CR1
P-H	5961-723-3602	SEMICONDUCTOR DEVICE, DIODE 1N3612 (81349)	ER	REF				*	*	*	*	*	6-3	4A1CR2
P-H	5961-723-3602	SEMICONDUCTOR DEVICE, DIODE 1N3612 (81349)	EA	REF				*	*	*	*	*	6-3	4A1CR3
P-H	5961-723-3602	SEMICONDUCTOR DEVICE, DIODE 1N3612 (81349)	EA	REF				*	*	*	*	*	6-3	4A1CR4
P-H	5961-723-3602	SEMICONDUCTOR DEVICE, DIODE 1N3612 (81349)	EA	REF				*	*	*	*	*	6-3	4A1CR5
P-H		TRANSFORMER, POWER 10615 (10581)	EA	1				*	*	*	*	*	6-3	4A1T1
P-H		TRANSISTOR 1214-394 (72314)	EA	2				*	*	*	*	*	6-3	4A1Q1
P-H		TRANSISTOR 1214-394 (72314)	EA	REF				*	*	*	*	*	6-3	4A1Q2
P-H	5935-917-0336	CONNECTOR, RECEPTCLE, ELECTRICAL MS90335-1 (96906)	EA	1				*	*	*	*	*	6-5	4J3
X2-H		COVER ASSEMBLY 1214D36 (72314)	EA	1										4MP5
X1-H		COVER 1214-381 (72314)	EA	1									6-5	4MP6
X2-H		CUSHION 1214-421 (72314)	EA	1									6-5	4MP7
X2-H	5305-105-9449	SCREW, PANEL FASTENER 12-21-102-26 (94222)	EA	2										4MP7
X2-H	5305-105-9449	SCREW, PANEL FASTENER 12-21-102-26 (94222)	EA	REF										4NP8
X2-H		WASHER PANEL, SCREW 12-11014-26 (914222)	EA	2									6-5	4MP9
X2-H		WASHER, PANEL, SCREW 12-11014-26 (94222)	EA	REF										4MP10
P-H		FILTER, RADIO INTERFERENCE 1150-621 (72314)	EA	1				*	*	*	*	*	6-5	4FL1
P-H	5305-770-2533	SCREW, MACHINE MS51959-13 (96906)	EA	4				*	*	*	*	*	-6-5	4H17
P-H	5305-770-2533	SCREW, MACHINE MS51959-13 (96906)	EA	REF				*	*	*	*	*	6-5	4H18
P-H	5305-770-2533	SCREW, MACHINE MS51959-13 (96906)	EA	REF				*	*	*	*	*	6-5	4H19
P-H	5305-770-2533	SCREW, MACHINE MS51959-13 (96906)	EA	REF				*	*	*	*	*	6-5	4H20
P-H	5355-579-6390	KROB MS91528-2F2B (96906)	EA	1	*	*	*	*	*	*	*	*	6-5	4MP11
P-O	6240-682-3411	LAMP, GLOW NE51H (72619)	EA	1	*	*	*	*	*	*	*	*	6-5	4DS1
P-F	6210-295-1909	LIGHT, INDICATOR MS525331-4 (96906)	EA	1	*	*	*	*	*	*	*	*		4XDS1
P-F	6720-155-4153	PANEL, EDGILIT 1214D34 (72314)	EA	1	*	*	*	*	*	*	*	*	6-5	4MP12
X2-H		PLATE ASSEMBLY 1214D34 (72314)	EA	1										4MP13
X1-H		PLATE, MOUNTING 1214-378 (72314)	EA	1									6-5	4MP14
M-H		SHIELDING, GASKET, ELECTRONIC 10-499 (12881)	FT	1									6-5	4MP15
X2-B	5325-351-4597	STUD, TURNLOCK, FASTENER PFSC3-1-2-38A (72794)	EA	4										4MP16

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF. NUMBER & MFR CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8)	(9)	(10)	
			(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)	1-YR ALW PER 100 EQUIP CNTGY	DEPOT MAINT ALW PER 100 EQUIP	(A)	(B)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
X2-H	5325-351-4597	STUD,TURNLOCK, FASTENER PFSC3-1-2-38A (72794)	EA	REF									6-5	4H18
X2-H	5325-351-4597	STUD,TURNLOCK, FASTENER PFSC3-1-2-38A (72794)	EA	REF									6-5	4H19
X2-H	5325-351-4597	STUD, TURNLOCK, FASTENER PFSc3-1-2-38A (72794)	EA	REF									6-5	4H20
M-D		PLATE, IDENTIFICATOIN 1214-217-4 (72114)	EA	1										4MP20
X2-H	5322-721-5239	RIVET, TUBULAR MS16535-153 (96906)	EA	2										4H21
X2-H	5320-721-5239	RIEIT, TUBULAR MS16535-153 (96906)	EA	REF										4H22
P-H	6760-860-5902	SHIELDING, GASKET, ELECTRONIC 42-488 (12881)	EA	1				*	*	*	*	*	6-5	4MP21
P-H		SWITCH, ROTARY 44MS30-01-1-12N (81073)	EA	1				*	*	*	*	*	6-5	4S2
A-H		WIRING HARNESS 1214D41 (72314)	EA	1										4W1
P-H	5310-939-0849	NUT, SELF-LOCKING, HEXAGON MS21083C04 (96906)	EA	2				*	*	*	*	*	6-5	4H23
P-H	5310-939-0849	NUT, SELF-LOCKING, HEXAGON MS21083C04 (96906)	EA	REF				*	*	*	*	*	6-5	4H24
P-H	5310-925-9646	NUT, SELF-LOCKING, HEXAGON MS21083C06 (96906)	EA	4				*	*	*	*	*		4H25
P-H	5310-925-9646	NUT,SELF-LOCKING,HEXAGON MS21083C06 (96906)	EA	REF				*	*	*	*	*		4H26
P-H	5310-925-9646	NUT, SELF-LOCKING, HEXAGON MS21083C06 (96906)	EA	REF				*	*	*	*	*		4H27
P-H	5310-925-9646	NUT, SELF-LOCKING, HEXAGON MS21083C06 (96906)	EA	REF				*	*	*	*	*		4H28
P-H	5305-054-5651	SCREW, MACHINIE MS51957-17 (96906)	EA	2				*	*	*	*	*	6-5	4H29
P-H	5305-054-5651	SCREW, MACHINE MS51957-17 (96906)	EA	REF				*	*	*	*	*	6-5	4H30
P-H	5305-054-6652	SCREW, MACHINE MS51957-28 (96906)	EA	4				*	*	*	*	*	6-5	4H31
P-H	5305-054-6652	SCREW, MACHINE MS51957-28 (96906)	EA	REF				*	*	*	*	*	6-5	4H32
P-H	5305-054-6652	SCREW, MACHINE MS51957-28 (96906)	EA	REF				*	*	*	*	*	6-5	4H33
P-H	5305-054-6652	SCREW, MACHINE MS51957-28 (96906)	EA	REF				*	*	*	*	*	6-5	4H34
P-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)	EA	2				*	*	*	*	*	6-5	4H35
P-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)	EA	REF				*	*	*	*	*	6-5	4H36
P-H		CONNECTOR, PLUG, ELECTRICAL 1214-117 (72314)	EA	1				*	*	*	*	*	6-5	41WJ2
X2-H		KEY, POLARIZING PCMB2M-1 (09922)	EA	1										4W1YP1'
A-H-S		WIRING HARNESS 1214D44 (72314)	EA	1										4W1MP2
P-H	5935-926-0682	CONNECTOR,RECEPTACLE,ELECTRICAL MS3127E1-19P (96906)	EA	1				*	*	*	*	*	6-5	4W1J1
P-H		CONTACT,ELECTRICAL M3192A20A (96906)	EA	19				*	*	*	*	*		4W1J1E1
P-O	6760-182-4913	MOUNTING, ASSY 1193D64 (72314)	EA	1	*	*	*	*	*	*	*	*	6-5	4MP22

SECTION II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF. NUMBER & MFR CODE	(4) USABLE ON CODE	(Cont'd)		(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY DS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10)	
				UNIT OF MEAS	QTY INC IN UNIT	(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
						1-20	21-50	51-100	1-20	21-50	51-100			FIG. NO.	ITEM NO.
G-O-S	6760-922-2685	TEST SET, CAMERA LS-86A: USED TO TEST CAMERA KA-60C 1214H1 (72314)	EA	1											

**INDEX-FEDERAL STOCK NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
3010-185-6806	3-3	1A1A1MP51	3110-824-2435		MP741
3010-497-1621	3-3	1A1A1MP50	3110-824-2435		MP742
3020-118-8745	3-4	1A1MP350	3110-824-2435	3-16	MP732
3020-238-5277	3-7	1A1MP198	3110-824-2435	3-16	MP733
3020-463-3624	3-4	1A1MP192	3110-824-2436		MP578
3020-471-3122	3-4	1A1MP193	3110-939-9154	3-4	1A1MP147
3020-480-1155	3-7	1A1MP197	3120-182-8217	3-19	MP704
3020-480-7375	3-4	1A1MP162	3120-182-8217	3-19	MP705
3030-126-8928	3-4	1A1MP124	3120-182-8261	3-3	1A1A1MP24
3030-126-8929	3-4	1A1MP125	3120-182-8261	3-3	1
		A1ALMP25			
3030-982-8174	3-13	MP563	5305-054-5635		1A2A6H263
3040-419-9031	3-3	1A1A1MP88	5305-054-5635		1A2A6H264
3040-459-3087	3-4	1A1MP166	5305-054-5635	3-4	1A1H1
3040-491-3195	3-4	1A1MP196	5305-054-5637	3-3	1A1A1H31
3040-493-8678	3-3	1A1A1MP89	5305-054-5637	3-3	1A1A1H32
3110-019-6390	3-3	1A1A1MP33	5305-054-5637	3-3	1A1A1H33
3110-019-6390	3-3	1A1A1MP20	5305-054-5637	3-16	H453
3110-278-7333	3-4	1A1MP146	5305-054-5646		1A1A3B1H162
3110-489-2485	3-16	MP702	5305-054-5646	3-3	1A1A1H34
3110-489-2485	3-16	MP703	5305-054-5646	3-3	1A1A1H35
3110-489-2485	3-19	MP761	5305-054-5646	3-3	1A1A1H36
3110-489-2485	3-19	MP762	5305-054-5646	3-3	1A1A1H37
3110-439-2485	3-19	MP763	5305-054-5646	3-3	1A1A1H38
3110-489-2485	3-19	MP764	5305-054-5646	3-4	1A1H176
3110-516-5267	4-14	1A1A3B1MP232	5305-054-5646	3-4	1A1H177
3110-516-5267	4-14	1A1A3B1MP233	5305-054-5646	3-4	1A1H178
3110-682-4598	3-4	1A1MP129	5305-054-5646	3-4	1A1H179
3110-722-0999	3-3	1A1A1MP16	5305-054-5646	3-4	1A1H180
3110-722-0999	3-3	1A1A1MP17	5305-054-5646	3-4	1A1H181
3110-787-8902	3-4	1A1MP148	5305-054-5646	3-4	1A1H182
3110-787-8902	3-4	1A1MP149	5305-054-5646	3-4	1A1H183
3110-787-8902	3-4	1A1P154	5305-054-5646	3-4	1A1H184

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FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5305-054-5646	3-4	1A1H185	5305-054-5647	3-3	1A1A1H19
5305-054-5646	3-8	1A2H298	5305-054-5647	3-3	1A1A1H20
5305-054-5646	3-8	1A2H299	5305-054-5647	3-3	1A1A1H9
5305-054-5646	3-10	1A2A2H320	5305-054-5647	3-7	1A1H131
5305-054-5646	3-10	1A2A2H321	5305-054-5647	3-7	1A1H132
5305-054-5646	3-10	1A2A2H322	5305-054-5647	3-7	1A1H133
5305-054-5646	3-10	1A2A2H323	5305-054-5647	3-7	1A1H134
5305-054-5646	3-10	1A2A2H324	5305-054-5647	3-7	1A1H135
5305-054-5646	3-10	1A2A2H325	5305-054-5647	3-7	1A1H136
5305-054-5646	3-10	1A2A2H326	5305-054-5647	3-7	1A1H137
5305-054-5646	3-10	1A2A2H327	5305-054-5647	3-10	1A2A2H304
5305-054-5646	3-10	1A2A2H328	5305-054-5647	3-10	1A2A2H305
5305-054-5646	3-10	1A2A2H329	5305-054-5647	3-10	1A2A2H306
5305-054-5646	3-10	1A2A2H330	5305-054-5647	3-10	1A2A2H307
5305-054-5646	3-10	1A2A2H331	5305-054-5647	3-10	1A2A2H308
5305-054-5646	3-16	H508	5305-054-5647	3-10	1A2A2H309
5305-054-5646	3-16	H509	5305-054-5647	3-10	1A2A2H310
5305-054-5646	3-16	H510	5305-054-5647	3-10	1A2A2H311
5305-054-5646	3-16	H511	5305-054-5647	3-10	1A2A2H312
5305-054-5646	3-19	H540	5305-054-5647	3-10	1A2A2H313
5305-054-5646	3-19	H541	5305-054-5647	3-10	1A2A2H314
5305-054-5647		H530	5305-054-5647	3-10	1A2A2H315
5305-054-5647		H531	5305-054-5647	3-10	1A2A2H316
5305-054-5647	3-3	1A1A1H10	5305-054-5647	3-16	H441
5305-054-5647	3-3	1A1A1H11	5305-054-5647	3-16	H442
5305-054-5647	3-3	1A1A1H12	5305-054-5647	3-16	H443
5305-054-5647	3-3	1A1A1H13	5305-054-5647	3-16	H444
5305-054-5647	3-3	1A1A1H14	5305-054-5647	3-16	H445
5305-054-5647	3-3	1A1A1H15	5305-054-5647	3-16	H446
5305-054-5647	3-3	1A1A1H16	5305-054-5647	3-16	H447
5305-054-5647	3-3	1A1A1H17	5305-054-5647	3-16	H448
5305-054-5647	3-3	1A1A1H18	5305-054-5647	3-16	H449

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6069 (Replaces AMSEL-ME 6069)

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TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5305-054-5647	3-16	H450	5305-054-5650		4A1H15
5305-054-5647	3-16	H451	5305-054-5650	3-8	1A1A1H50
5305-054-5647	3-16	H452	5305-054-5650	3-8	1A1A1H51
5305-054-5647	3-16	H536	5305-054-5650	3-3	1A2H253
5305-054-5647	3-16	H537	5305-054-5650	3-3	1A2H254
5305-054-5647	3-16	H538	5305-054-5650	3-8	1A2H255
5305-054-5647	3-16	H539	5305-054-5650	3-13	1A3H437
5305-054-5648	3-4	1A1H164	5305-054-5650	3-13	1A3H438
5305-054-5648	3-4	1A1H65	5305-054-5651	6-5	4H29
5305-054-5648	3-4	1A1H166	5305-054-5651	6-5	4H30
5305-054-5648	3-4	1A1H167	5305-054-6649		H546
5305-054-5648	3-4	1A1H168	5305-054-6649		H547
5305-054-5648	3-4	1A1H169	5305-054-6649	3-4	1A1H99
5305-054-5648	3-4	1A1H170	5305-054-6649	3-4	1A1H100
5305-054-5648	3-4	1A1H171	5305-054-6649	3-4	1A1H101
5305-054-5648	3-16	H499	5305-054-6649	3-4	1A1H102
5305-054-5648	3-16	H500	5305-054-6650		1A1H151
5305-054-5648	3-16	H501	5305-054-6650		1A1H152
5305-054-5648	3-16	H502	5305-054-6650	3-4	1A1H83
5305-054-5648	3-16	H503	5305-054-6650	3-4	1A1H84
5305-054-5648	3-16	H542	5305-054-6650	3-4	1A1H85
5305-054-5648	3-16	H543	5305-054-6650	3-4	1A1H86
5305-054-5649		1A1H77	5305-054-6650	3-4	1A1H87
5305-054-5649		4A1H16	5305-054-6650	3-4	1A1H88
5305-054-5649	3-14	1A3A1H411	5305-054-6650	3-4	1A1H89
5305-054-5649	3-14	1A3A1H412	5305-054-6650	3-4	1A1H90
5305-054-5649	3-14	1A3A1H413	5305-054-6650	3-4	1A1A1H39
5305-054-5649	3-14	1A3A1H414	5305-054-6650	3-16	H457
5305-054-5650		1A2A3H242	5305-054-6650	3-16	H458
5305-054-5650		1A2A3H243	5305-054-6650	3-16	H459
5305-054-5650		4A1H13	5305-054-6650	3-16	H460
5305-054-5650		4A1H14	5305-054-6650	3-16	H461

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6069 (Replaces AMSEL-ME 6069)

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FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5305-054-6650	3-16	H462	5305-054-6650	3-16	H494
5305-054-6650	3-16	H463	5305-054-6650	3-16	H495
5305-054-6650	3-16	H464	5305-054-6650	3-16	H496
5305-054-6650	3-16	H465	5305-054-6650	3-16	H497
5305-054-6650	3-16	H466	5305-054-6650	3-16	H498
5305-054-6650	3-16	H467	5305-054-6650	3-16	1A3H356
5305-054-6650	3-16	H468	5305-054-6650	3-16	1A3H357
5305-054-6650	3-16	H469	5305-054-6650	3-16	1A3H358
5305-054-6650	3-16	H470	5305-054-6650	3-16	1A3H359
5305-054-6650	3-16	H471	5305-054-6651		1A1H72
5305-054-6650	3-16	H472	5305-054-6651		1A1H73
5305-054-6650	3-16	H473	5305-054-6651		1A1H74
5305-054-6650	3-16	H474	5305-054-6651	3-3	1A1A1H44
5305-054-6650	3-16	H475	5305-054-6651	3-3	1A1A1H45
5305-054-6650	3-16	H476	5305-054-6651	3-3	1A1A1H46
5305-054-6650	3-16	H477	5305-054-6651	3-3	1A1A1H47
5305-054-6650	3-16	H478	5305-054-6651	3-4	1A1H103
5305-054-6650	3-16	H479	5305-054-6651	3-4	1A1H104
5305-054-6650	3-16	H480	5305-054-6651	3-4	1A1H105
5305-054-6650	3-16	H481	5305-054-6651	3-4	1A1H106
5305-054-6650	3-16	H482	5305-054-6651	3-4	1A1H107
5305-054-6650	3-16	H483	5305-054-6651	3-4	1A1H108
5305-054-6650	3-16	H484	5305-054-6651	3-4	1A1H109
5305-054-6650	3-16	H485	5305-054-6651	3-4	1A1H110
5305-054-6650	3-16	H486	5305-054-6651	3-4	1A1H111
5305-054-6650	3-16	H487	5305-054-6651	3-4	1A1H112
5305-054-6650	3-16	H488	5305-054-6651	3-4	1A1H113
5305-054-6650	3-16	H489	5305-054-6651	3-4	1A1H114
5305-054-6650	3-16	H490	5305-054-6651	3-4	1A1H115
5305-054-6650	3-16	H491	5305-054-6651	3-4	1A1H116
5305-054-6650	3-16	H492	5305-054-6651	3-4	1A1H117
5305-054-6650	3-16	H493	5305-054-6651	3-4	1A1H118

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FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5305-054-6651	3-4	1A1H119	5305-054-6651	3-14	1A3A1H388
5305-054-6651	3-4	1A1H120	5305-054-6651	3-14	1A3A1H389
5305-054-6651	3-4	1A1H121	5305-054-6651	3-14	1A3A1H390
5305-054-6651	3-4	1A1H122	5305-054-6651	3-14	1A3A1H391
5305-054-6651	3-4	1A1H123	5305-054-6652		1A1H64
5305-054-6651	3-4	1A1H124	5305-054-6652		1A1H65
5305-054-6651	3-4	1A1H125	5305-054-6652		1A1H66
5305-054-6651	3-4	1A1H126	5305-054-6652		1A1H67
5305-054-6651	3-8	1A2H259	5305-054-6652		1A2A1A1H288
5305-054-6651	3-8	1A2H260	5305-054-6652		1A2A1A1H289
5305-054-6651	3-8	1A2H261	5305-054-6652		1A2A1H270
5305-054-6651	3-8	1A2H262	5305-054-6652		1A2A1H271
5305-054-6651	6-5	4H5	5305-054-6652		1A2A1H272
5305-054-6651	6-5	4H6	5305-054-6652		1A2A1H273
5305-054-6651	6-5	4H7	5305-054-6652		1A2A1H274
5305-054-6651	6-5	4H8	5305-054-6652	3-3	1A1A1H40
5305-054-6651	3-13	1A3H360	5305-054-6652	3-3	1A1A1H41
5305-054-6651	3-13	1A3H361	5305-054-6652	3-3	1A1A1H42
5305-054-6651	3-13	1A3H362	5305-054-6652	3-3	1A1A1H43
5305-054-6651	3-13	1A3H363	5305-054-6652	6-5	4H31
5305-054-6651	3-13	1A3H364	5305-054-6652	6-5	4H32
5305-054-6651	3-13	1A3H365	5305-054-6652	6-5	4H33
5305-054-6651	3-13	1A3H366	5305-054-6652	6-5	4H34
5305-054-6651	3-13	1A3H367	5305-054-6653		1A1H215
5305-054-6651	3-13	1A3H431	5305-054-6653		1A1H216
5305-054-6651	3-13	1A3H432	5305-054-6653		1A1H217
5305-054-6651	3-13	1A3H433	5305-054-6653		1A1H218
5305-054-6651	3-13	1A3H434	5305-054-6653	3-3	1A1A1H22
5305-054-6651	3-14	1A3A1H384	5305-054-6653	3-3	1A1A1H23
5305-054-6651	3-14	1A3A1H385	5305-054-6653	3-3	1A1A1H24
5305-054-6651	3-14	1A3A1H386	5305-054-6653	3-3	1A1A1H25
5305-054-6651	3-14	1A3A1H387	5305-054-6653	3-3	1A1A1H26

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5305-054-6654		1A2A1H275	5305-054-6671	3-8	1A2A1H295
5305-054-6654		1A2A1H276	5305-059-3659	3-4	1A1H142
5305-054-6654		1A2A1H277	5305-059-3659	3-4	1A1H143
5305-054-6654		1A2A1H278	5305-059-3659	3-4	1A1H144
5305-054-6654		1A2A1H279	5305-059-3659	3-4	1A1H145
5305-054-6654		1A2A1H280	5305-059-3659	3-4	1A1H146
5305-054-6654		1A2A1H281	5305-059-3659	3-4	1A1H147
5305-054-6654		1A2A1H282	5305-059-3662	3-7	1A1H148
5305-054-6654		1A2A1H283	5305-059-3662	3-7	1A1H149
5305-054-6654		1A2A1H284	5305-068-5407	3-4	1A1H202
5305-054-6654		1A2A1H285	5305-068-5407	3-4	1A1H203
5305-054-6654		1A2A1H286	5305-105-9449		1A3MP541
5305-054-6655	3-13	1A3H419	5305-105-9449		1A3MP542
5305-054-6655	3-13	1A3H420	5305-105-9449		4MP8
5305-054-6655	3-13	1A3H421	5305-105-9449	3-8	1A2MP472
5305-054-6655	3-13	1A3H422	5305-105-9449	3-8	1A2MP473
5305-054-6655	3-16	H528	5305-105-9449	6-5	4MP7
5305-054-6655	3-16	H529	5305-182-7331	3-16	H534
5305-054-6655	6-5	4H1	5305-182-7331	3-16	H535
5305-054-6655	6-5	4H2	5305-182-7334	3-16	H456
5305-054-6655	6-5	4H3	5305-182-7337	3-3	1A1A1H8
5305-054-6655	6-5	4H4	5305-297-4005	3-3	1A1A1MP80
5305-054-6655	6-37	1A1W1H219	5305-297-4005	3-3	1A1A1MP81
5305-054-6655	6-37	1A1W1H220	5305-410-2903	3-7	1A1H138
5305-054-6667		1A2H266	5305-410-2903	3-7	1A1H139
5305-054-6667		1A2H267	5305-616-8539	3-3	1A1A1MP82
5305-054-6667		1A2H268	5305-725-4191		1A1A1H52
5305-054-6667		1A2H269	5305-725-4191		1A1A1H53
5305-054-6670	3-7	1A1H153	5305-763-6960	3-8	1A2H300
5305-054-6670	3-7	1A1H154	5305-763-6960	3-8	1A2H301
5305-054-6670	3-7	1A1H155	5305-763-6960	3-8	1A2H302
5305-054-6671	3-8	1A2A1H294	5305-763-6960	3-8	1A2H303

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5305-763-6960	3-16	H512	5305-763-6963		1A1H192
5305-763-6960	3-16	H513	5305-763-6963		1A1H193
5305-763-6961		1A3H423	5305-763-6963		1A1H194
5305-763-6961		1A3H424	5305-763-6963		1A1H195
5305-763-6961		1A3H425	5305-763-6963		1A1H196
5305-763-6961		1A3H426	5305-763-6963		1A1H197
5305-763-6961	3-4	1A1H91	5305-763-6963		1A1H198
5305-763-6961	3-4	1A1H92	5305-763-6963		1A1H199
5305-763-6961	3-4	1A1H93	5305-763-6963		1A1H200
5305-763-6961	3-4	1A1H94	5305-763-6963		1A1H201
5305-763-6961	3-16	H514	5305-763-6963	3-4	1A1H2
5305-763-6961	3-16	H515	5305-763-6963	3-4	1A1H3
5305-763-6961	3-16	H516	5305-763-6963	3-4	1A1H4
5305-763-6961	3-16	H517	5305-763-6963	3-4	1A1H5
5305-763-6961	3-16	H518	5305-763-6963	3-4	1A1H6
5305-763-6961	3-16	H519	5305-763-6963	3-4	1A1H7
5305-763-6961	3-16	H520	5305-763-7822	3-13	1A3H352
5305-763-6961	3-16	H521	5305-763-7822	3-13	1A3H353
5305-763-6961	3-16	H522	5305-766-2422	3-4	1A1H127
5305-763-6961	3-16	H523	5305-766-2422	3-4	1A1H128
5305-763-6961	3-16	H524	5305-766-2422	3-4	1A1H129
5305-763-6961	3-16	H525	5305-766-2422	3-4	1A1H130
5305-763-6962		1A2H221	5305-768-0336		1A1H78
5305-763-6962		1A2H222	5305-768-0336		1A1H79
5305-763-6962		1A2H223	5305-770-2533	3-3	1A1A1H54
5305-763-6962		1A2H224	5305-770-2533	3-3	1A1A1H55
5305-763-6963		1A1H186	5305-770-2533	3-3	1A1A1H56
5305-763-6963		1A1H187	5305-770-2533	3-3	1A1A1H57
5305-763-6963		1A1H188	5305-770-2533	3-3	1A1A1H58
5305-763-6963		1A1H189	5305-770-2533	3-3	1A1A1H59
5305-763-6963		1A1H190	5305-770-2533	6-5	4H17
5305-763-6963		1A1H191	5305-770-2533	6-5	4H19

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5305-770-2533	6-5	4H20	5310-270-8810	3-4	1A1H173
5305-770-2579	3-3	1A1A1H28	5310-270-8810	3-4	1A1H174
5305-777-6039	3-4	1A1H208	5310-270-8810	3-4	1A1H175
5305-777-6039	3-4	1A1H209	5310-271-4642		1A3A1H407
5305-813-5486	3-16	H526	5310-271-4642		1A3A1H408
5305-813-5486	3-16	H527	5310-271-4642		1A3A1H409
5305-820-6895	3-3	1A1A1MP79	5310-271-4642		1A3A1H410
5305-820-6895	3-4	1A1MP339	5310-271-4642	3-8	1A2H252
5305-820-6895	3-4	1A1MP340	5310-298-3660	3-7	1A1A3MP257
5305-959-1910	3-4	1A1H214	5310-576-7339	4-14	1A1A3MP256
5305-989-5016		1A1MP341	5310-595-6211		1A1H212
5305-989-9842	3-19	MP713	5310-595-6211		1A1H213
5305-989-9842	3-19	MP714	5310-595-6211		1A2A3H244
5305-993-9140	3-12	1A2A1A1H292	5310-595-6211		1A2A3H245
5310-011-1041	3-14	1A3A1H402	5310-595-6211	3-4	1A1A1H21
5310-011-1041	3-14	1A3A1H403	5310-595-6211	3-8	1A2H256
5310-057-0573	3-12	1A2A1A1H293	5310-595-6211	3-8	1A2H257
5310-062-0912		MP670	5310-595-6211	3-10	1A2A2H332
5310-062-0912		1A1H163	5310-595-6211	3-10	1A2A2H333
5310-167-0814	3-14	1A3A1H406	5310-595-6211	3-10	1A2A2H334
5310-167-1374	3-4	1A1H210	5310-595-6211	3-10	1A2A2H335
5310-167-1374	3-4	1A1H211	5310-595-6211	3-10	1A2A2H336
5310-182-6210	3-17	MP699	5310-595-6211	3-10	1A2A2H337
5310-182-6218	3-16	MP809	5310-595-6211	3-10	1A2A2H338
5310-182-6218	3-16	MP810	5310-595-6211	3-10	1A2A2H339
5310-182-6222	3-17	MP700	5310-595-6211	3-13	1A3H439
5310-182-6226	3-17	MP698	5310-595-6211	3-13	1A3H440
5310-208-2709		1A2MP419	5310-595-6211	3-14	1A3A1H415
5310-208-2709		1A2MP420	5310-595-6211	3-14	1A3A1H416
5310-208-2709		1A2MP421	5310-595-6211	3-14	1A3A1H417
5310-208-2709		1A2MP422	5310-595-6211	3-14	1A3A1H418
5310-270-8810	3-4	1A1H172	5310-595-6211	6-5	4H35

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5310-595-6211	6-5	4H36	5310-722-5998	3-4	1A1H70
5310-595-6211	6-5	4A1H17	5310-722-5998	3-4	1A1H71
5310-595-6211	6-5	4A1H18	5310-722-5998	3-13	1A3H368
5310-595-6211	6-5	4A1H19	5310-722-5998	3-13	1A3H369
5310-595-6211	6-5	4A1H20	5310-722-5998	3-13	1A3H370
5310-595-6761	3-16	H454	5310-722-5998	3-13	1A3H371
5310-616-8786		1A3MP524	5310-722-5998	3-13	1A3H372
5310-616-8786		1A3MP525	5310-722-5998	3-13	1A3H373
5310-616-8786		1A3MP526	5310-722-5998	3-13	1A3H374
5310-616-8786		1A3MP527	5310-722-5998	3-13	1A3H375
5310-616-8786		1A3MP528	5310-722-5998	3-14	1A3A1H392
5310-616-8786		1A3MP529	5310-722-5998	3-14	1A3A1H393
5310-616-8786		1A3MP530	5310-722-5998	3-14	1A3A1H394
5310-616-8786		1A3MP531	5310-722-5998	3-14	1A3A1H395
5310-616-8786		1A3MP532	5310-722-5998	3-14	1A3A1H396
5310-616-8786		1A3MP533	5310-722-5998	3-14	1A3A1H397
5310-616-8786		1A3MP534	5310-722-5998	3-14	1A3A1H398
5310-616-8786		1A3MP535	5310-722-5998	3-14	1A3A1H399
5310-625-5756	3-9	1A2A6H265	5310-782-1349		H532
5310-672-2178		1A1H80	5310-782-1349		H533
5310-672-2178		1A1H81	5310-804-0141	3-7	1A1H140
5310-672-2178		1A1H82	5310-804-0141	3-7	1A1H141
5310-672-2178	3-3	1A1A1H29	5310-880-5976	3-16	H544
5310-672-2178	3-3	1A1A1H30	5310-880-5976	3-16	H545
5310-672-2178	3-8	1A2H258	5310-925-9646		4H25
5310-672-2178	3-10	1A2AH317	5310-925-9646		4H26
5310-685-3268	3-14	1A3A1405	5310-925-9646		4H27
5310-713-0528		1A1MP407	5310-925-9646		4H28
5310-722-5998		1A2A1A1H290	5310-925-9646	3-13	1A3H427
5310-722-5998		1A2A1A1H291	5310-925-9646	3-13	1A3H428
5310-722-5998	3-4	1A1H68	5310-925-9646	3-13	1A3H429
5310-722-5998	3-4	1A1H69	5310-925-9646	3-13	1A3H430

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5310-929-6395	3-13	1A3H376	5310-982-4999	3-3	1A1A1H49
5310-929-6395	3-13	1A3H377	5310-982-5000	3-4	1A1H75
5310-929-6395	3-13	1A3H378	5310-982-5000	3-4	1A1H76
5310-929-6395	3-13	1A3H379	5315-168-2930	3-19	MP710
5310-929-6395	3-13	1A3H380	5315-168-2930	3-19	MP711
5310-929-6395	3-13	1A3H381	5315-168-7077	3-3	1A1A1MP63
5310-929-6395	3-13	1A3H382	5315-182-6235		1A1MP165
5310-929-6395	3-13	1A3H383	5315-182-6240	3-17	MP689
5310-929-6395	4-14	1A1A3B1H158	5315-187-3241	3-16	1A1MP394
5310-929-6395	4-14	1A1A3B1H159	5315-187-3241	3-4	MP802
5310-933-8118	3-10	1A2A2H340	5315-228-2822	3-4	1A1MP280
5310-933-8118	3-10	1A2A2H341	5315-228-2822	3-4	1A1MP386
5310-933-8118	3-10	1A2A2H342	5315-273-8015	3-4	1A1L1MP380
5310-933-8118	3-10	1A2A2H343	5315-273-8015	3-16	MP725
5310-933-8118	3-10	1A2A2H344	5315-273-8016		MP789A
5310-933-8118	3-10	1A2A2H345	5315-273-8016	3-4	1A1MP194
5310-933-8118	3-10	1A2A2H346	5315-273-8016	3-16	MP789
5310-933-8118	3-10	1A2A2H347	5315-273-8016	3-16	MP800
5310-933-8119	3-8	1A2A1H296	5315-491-0624	3-16	MP671
5310-933-8119	3-8	1A2A1H297	5315-579-1543	3-3	1A1A1MP86
5310-934-9748	3-3	1A1A1H27	5315-597-2428		1A1MP387
5310-939-0849		1A2A3H240	5315-597-2428	3-4	1MP195
5310-939-0849		1A2A3H241	5315-597-2428	3-4	1MP352
5310-939-0849	3-13	1A3H435	5315-682-1726	3-4	1MP161
5310-939-0849	3-13	1A3H436	5315-702-9650	3-16	MP672
5310-939-0849	6-5	41H23	5315-702-9650	3-16	MP673
5310-939-0849	6-5	4H24	5315-702-9650	3-16	MP674
5310-971-0502		1A2MP423	5315-702-9650	3-16	MP675
5310-971-0502		1A2A2MP515	5315-702-9650	3-16	MP676
5310-971-0502		1A3MP536	5315-702-9650	3-16	MP677
5310-971-0502		1A3MP537	5315-702-9650	3-16	MP678
5310-982-4999	3-3	1A1A1H48	5315-722-6591	3-4	1A1MP351

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5315-722-6591	3-16	MP734	5320-069-0052		H506
5315-722-6591	3-16	MP743	5320-069-0052		H507
5315-815-1391	3-16	MP790	5320-234-1555		1A2A2MP518
5315-815-1391	3-16	MP801	5320-234-1555		1A2A2MP519
5315-817-0889		1A1MP159	5320-655-4757		1A2H225
5315-817-0889		1A1MP160	5320-655-4757		1A2H226
5315-817-0889	3-3	1A1A1MP61	5320-721-5239		4H21
5315-817-0889	3-3	1A1A1MP62	5320-721-5239		4H22
5315-817-0889	3-17	MP690	5320-721-5244		1A2A5H246
5315-817-0889	3-17	MP691	5320-721-5244		1A2A5H247
5315-817-0889	3-17	MP692	5320-721-5244		1A3H348
5315-817-0889	3-17	MP693	5320-721-5244		1A3H349
5315-821-9522	3-4	1A1MP163	5320-721-5244		1A3H350
5315-821-9522	3-4	1A1MP164	5320-721-5244		1A3H351
5315-825-3748		1A1MP393	5320-721-5244		1A3H354
5315-825-3748	3-16	MP605	5320-721-5244		1A3H355
5315-841-5416	3-3	1A1A1MP30	5320-821-4995		1A2A3H239
5315-847-5677	3-4	1A1MP259	5320-821-4995		1A3A1A1H404
5315-847-5677	3-18	MP621	5320-850-2273		1A2A5H250
5315-939-1146		1A1MP278	5320-850-2273		1A2A5H251
5315-939-1146		1A1MP398	5320-855-1316	3-4	1A1H95
5315-948-4420	3-3	1A1A1MP59	5320-855-1316	3-4	1A1H96
5315-948-4420	3-3	1A1A1MP60	5320-855-1316	3-4	1A1H97
5315-988-7409		1A1MP205	5320-855-1316	3-4	1A1H98
5315-988-7409		1A1MP206	5320-879-6606		1A2A1A1H287
5315-988-7409		1A1MP207	5325-185-0017	3-9	1A2A6MP477
5315-988-7409		1A1MP208	5325-351-4597		1A3MP556
5315-988-7409		1A1MP209	5325-351-4597		1A3MP557
5315-988-7409		1A1MP210	5325-351-4597		1A3MP558
5315-988-7409		1A1MP260	5325-351-4597		1A3MP559
5320-069-0052		H504	5325-351-4597		4H18
5320-069-0052		H505	5325-351-4597		4H19

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5325-351-4597		4H20	5340-298-6564	3-16	MP744
5325-351-4597		4MP16	5340-298-6564	3-16	MP771
5325-641-2792	3-4	1A1MP199	5340-298-6564	3-16	MP772
5340-014-0014	3-4	1A1MP169	5340-543-3981		1A1A1MP78
5340-052-1788	3-8	1A2A1MP495	5340-543-3981	3-18	MP635
5340-057-9979	3-3	1A1A1MP45	5340-550-5937		1A1MP355
5340-080-9091	3-4	1A1MP338	5340-598-1138	3-17	MP696
5340-105-6899	3-3	1A1A1MP47	5340-721-8187		1A1MP331
5340-105-6899	3-3	1A1A1MP48	5340-721-8187		1A1MP332
5340-105-6899	3-3	1A1A1MP49	5340-721-8187		1A1MP333
5340-115-6077		1A2A5MP459	5340-721-8187		1A1MP354
5340-115-6077		1A2A5MP460	5340-721-8187	3-4	1A1A1MP74
5340-122-6760	3-4	1A1MP179	5340-721-8187	3-4	1A1A1MP75
5340-122-6760	3-4	1A1MP180	5340-721-8187	3-4	1A1A1MP76
5340-136-5537	3-16	MP577	5340-721-8187	3-4	1A1A1MP77
5340-136-5537	3-16	MP578	5340-725-0969	3-16	MP637
5340-136-5537	3-16	MP579	5340-725-0969	3-16	MP638
5340-136-5537	3-16	MP580	5340-725-0969	3-16	MP639
5340-168-7033	3-3	1A1A1MP44	5340-725-0969	3-16	MP640
5340-168-7034	3-7	1A1MP172	5340-725-0969	3-16	MP641
5340-205-6552	3-16	MP722	5340-725-0969	3-16	MP642
5340-221-0115	3-4	1A1MP400	5340-725-0969	3-16	MP643
5340-221-0115	3-4	1A1MP401	5340-725-0969	3-16	MP644
5340-221-0115	3-4	1A1MP402	5340-766-6818	3-4	1A1MP173
5340-221-0115	3-4	1A1MP403	5340-766-6818	3-4	1A1MP174
5340-282-7120	3-4	1A1MP337	5340-766-6818	3-4	1A1MP175
5340-286-6587	3-10	1A2A2MP510	5340-780-1792	3-16	MP781
5340-298-6564	3-4	1A1MP334	5340-780-1792	3-16	MP782
5340-298-6564	3-4	1A1MP335	5340-804-6895		1A1MP330
5340-298-6564	3-4	1A1MP336	5340-804-6895	3-3	1A1A1MP68
5340-298-6564	3-16	MP721	5340-804-6895	3-3	1A1A1MP69
5340-298-6564	3-16	MP735	5340-804-6895	3-3	1A1A1MP70

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FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5340-804-6895	3-3	1A1A1MP71	5365-168-7037	3-4	1A1MP364
5340-804-6895	3-3	1A1A1MP72	5365-168-7038	3-16	MP753
5340-804-6895	3-4	1A1A1MP38	5365-168-7039	3-19	MP716
5340-804-6896	3-3	1A1A1MP73	5365-168-7039	3-19	MP717
5340-811-1555	3-16	MP662	5365-168-7039	3-19	MP718
5340-811-1555	3-16	MP663	5365-168-7040	3-18	MP660
5340-811-1555	3-16	MP664	5365-168-7041	3-3	1A1A1MP100
5340-811-1555	3-16	MP665	5365-168-7043	3-19	MP712
5340-811-1555	3-16	MP666	5365-168-7045	3-3	1A1A1MP111
5340-811-1555	3-16	MP667	5365-168-7046	3-4	1A1MP168
5340-811-1555	3-16	MP668	5365-168-7149	3-16	MP758
5340-811-1555	3-16	MP669	5815-980-7174	3-3	1A1A1MP18
5340-811-9169		1A1A1MP46	5815-980-7174	3-3	1A1A1MP19
5340-866-1471	3-18	MP636	5901-115-8357		1A2A4MP453
5340-903-8482	3-16	MP751	5905-044-2229	6-3	4A1R1
5340-9038482	3-16	MP752	5905-058-8934	6-24	1A2A3R25
5340-914-7586		1A1MP305	5905-059-9114	6-26	1A2A4R22
5340-914-7586		1A1MP306	5905-059-9116	6-26	1A2A4R22
5340-914-7586		1A1MP307	5905-059-9116	6-26	1A2A4R35
5340-914-7586		1A1MP308	5905-059-9117	6-26	1A2A4R22
5340-983-9586		1A2A3MP430	5905-059-9117	6-26	1A2A4R35
5355-579-6390	6-5	4MP11	5905-061-2089	6-3	4A1R20
5360-112-0527	3-16	MP783	5905-061-2089	6-31	1A3A1A1R8
5360-112-0527	3-16	MP784	5905-061-2251	3-12	1A2A1A1R6
5360-168-7078		1A1A1P116	5905-061-2251	6-3	4A1R18
5360-168-7079	3-17	MP697	5905-067-6473	6-22	1A2A5R13
5360-168-7081	3-3	1A1A1MP112	5905-067-9079	6-3	4A1R41
5360-168-7084	3-16	MP780	5905-067-9079	6-22	1A2A5R8
5360-168-7085	3-3	1A1A1MP115	5905-076-4292	3-3	1A1A1R1
5360-168-7153	3-3	1A1A1MP113	5905-079-3176	6-3	4A1R16
5360-168-7162	3-18	MP661	5905-087-8408	6-3	4A1R15
5365-168-7037	3-4	1A1MP363	5905-104-8349	6-24	1A2A3R23

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FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
5905-104-8349	6-31	1A3A1A1R4	5905-185-6580	6-22	1A2A5R20
5905-104-8350	6-24	1A2A3R12	5905-185-6935	6-31	A3A1AR11
5905-104-8350	6-24	1A2A3R5	5905-185-8510	6-22	1A2A5R51
5905-104-8350	6-24	1A2A4R20	5905-185-8510	6-24	1A3R8
5905-104-8350	6-24	1A2A4R38	5905-185-8510	6-24	1A2A3R11
5905-106-1247	6-24	1A2A4R19	5905-185-8510	6-24	AA3R17
5905-110-0310	6-24	1A2A4R6	5905-185-8510	6-24	1A2A3R18
5905-111-4738	6-22	1A2A5R7	5905-185-8510	6-24	1A2A3R19
5905-111-4738	6-22	1A2A5R12	5905-185-8510	6-24	1A2A3R20
5905-111-4738	6-22	1A2A5R33	5905-185-8510	6-24	1A2A3R24
5905-111-4738	6-24	1A2A3R1	5905-185-8510	6-24	1A2A3R27
5905-111-4738	6-24	1A2A4R24	5905-185-8510	6-24	1A2A3R28
5905-111-4744	6-31	1A3A1AR5	5905-185-8510	6-24	1A2A3R30
5905-111-4840	6-24	1A2A3R31	5905-185-8510	6-24	1A2A3R33
5905-111-4840	6-24	1A2A3R6	5905-185-8510	6-24	1A2A3R34
5905-114-5438	6-31	1A3A1A1R2	5905-185-8510	6-24	1A2A3R35
5905-141-0597	6-26	1A2A4R9	5905-185-8510	6-24	1A2A3R36
5905-141-1130	6-26	1A2A4R40	5905-185-8510	6-24	1A2A3R37
5905-141-1130	6-26	1A2A4R41	5905-185-8510	6-24	1A2A3R38
5905-141-1130	6-26	1A2A4R42	5905-185-8510	6-26	1A2A4R4
5905-141-1168	6-24	1A2A3R2	5905-185-8510	6-26	1A2A4R7
5905-141-1168	6-24	1A2A3O10	5905-185-8510	6-26	1A2A4R17
5905-141-1168	6-24	1A2A3R29	5905-185-8510	6-31	1A3A4A1R7
5905-141-1168	6-26	1A2A4R30	5905-185-8510	6-31	1A3AAR10
5905-141-1168	6-26	1A2A4R31	5905-190-8883	6-22	1A2A5R47
5905-141-1168	6-26	1A2A4R32	5905-190-8883	6-22	1A2ASR48
5905-171-1998	6-24	1A2A3R3	5905-190-8883	6-26	1A2A4R23
5905-171-2004	6-3	4A1R19	5905-190-8887	3-12	1A2A1A1R8
5905-171-2004	6-24	1A2A3R15	5905-190-8887	6-22	1A2A5R41
5905-171-2004	6-24	1A2A3R32	5905-190-8887	6-24	1A2A3R39
5905-171-2004	6-24	1A2A3R7	5905-190-8887	6-31	1A3A1A1R9
5905-171-2004	6-26	1A2A4R18	5905-192-3973	6-31	1A3A1A1R3

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
5905-192-3978	6-24	1A2A3R44	5905-752-3308	6-24	1A2A3R4
5905-192-4490	6-24	1A2A3R42	5905-752-3308	6-26	1A2A4R27
5905-195-6453	6-26	1A2A4R28	5905-752-3369	6-3	4A1R12
5905-195-6800	6-31	1A3A1A1R6	5905-752-3601	6-26	1A2A4R14
5905-195-6806	6-24	1A2A3R16	5905-752-3815	6-3	4A1R13
5905-195-6806	6-26	1A2A4R16	5905-752-6646	6-26	1A2A4R26
5905-195-6806	6-26	1A2A4R5	5905-752-6997	6-26	1A2A4R22
5905-225-4307	6-32	1A2A2AR5	5905-755-8132	6-22	1A2A5R9
5905-249-4256	6-24	1A2A3R45	5905-755-8132	6-22	1A2A5R18
5905-253-1231	6-22	1A2A5R1	5905-755-8132	6-22	1A2A5R29
5905-269-3277	6-3	4A1R17	5905-755-8132	6-22	1A2A5R30
5905-279-1723		1A1A3B1R1	5905-755-8132	6-22	1A2A5R42
5905-279-1878	6-24	1A2A3R13	5905-764-1182	6-22	1A2A5R14
5905-279-2637	6-24	1A2A3R26	5905-764-1182	6-22	1A2A5R15
5905-279-3504	6-24	1A2A3R14	5905-764-1182	6-22	A2A5R21
5905-279-3504	6-26	1A2A4R29	5905-764-2604	3-10	1A2A2R1
5905-279-3504	6-26	1A2A4R39	5905-764-2604	3-10	1A2A2R2
5905-279-3504	6-26	1A2A4R8	5905-764-2604	3-10	1A2A2R3
5905-449-6212	6-26	1A2A4R1	5905-764-2604	3-10	1A2A2R4
5905-449-6212	6-26	1A2A4R2	5905-766-8371	6-26	1A2A4R15
5905-473-5251	6-22	1A2A5R37	5905-773-3726	6-22	1A2A5R3
5905-473-5251	6-22	1A2A5R38	5905-779-8374	6-24	1A2A3R22
5905-473-5251	6-22	1A2A5R39	5905-780-7911	6-22	1A2ASR50
5905-473-5251	6-22	1A2A5R40	5905-782-7983	6-26	1A2A4R15
5905-517-1206	6-26	1A2A4R13	5905-806-4457	6-26	1A2A4R3
5905-681-4940	6-3	4A1R10	5905-809-7805	6-26	1A2A4R34
5905-681-4940	6-3	4A1R7	5905-810-0945	6-22	1A2A5R11
5905-681-4940	6-3	4A1R11	5905-810-0945	6-26	1A2A4R34
5905-709-2680	6-26	1A2A4R10	5905-810-1003	6-26	1A2A4R37
5905-730-0285	3-12	1A2A1A1R3	5905-810-1003	6-30	1A1A4R2
5905-730-0285	3-12	1A2A1A1R4	5905-810-1055	6-22	1A2ASR17
5905-733-9392	6-26	1A2A4R34	5905-810-1055	6-26	1A2A4R15

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
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FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
5905-810-7778	6-26	1A2A4R25	5905-901-1583	3-12	1A2A1A1R5
5905-810-7778	6-26	1A2A4R35	5905-902-1208	6-3	4A1R6
5905-810-7801	6-22	1A2A5R45	5905-904-6420	6-26	1A2A4R10
5905-812-2483	6-26	1A2A4R35	5905-904-7662	3-9	1A2A6R11
5905-816-6311	6-22	1A2A5R46	5905-916-7736	6-3	4A1R3
5905-816-6311	6-24	1A2A3R21	5905-924-9347	3-12	1A21AA1R1
5905-816-6311	6-26	1A2A4R34	5905-925-1499	6-22	A2A5R49
5905-822-4465	6-22	1A2A5R16	5905-925-1617	6-26	1A2A4R11
5905-833-5818	6-22	1A2A5R43	5905-926-2758	6-3	4A1R9
5905-833-5819	6-26	1A2A4R21	5905-941-4528	6-26	1A2A4R12
5905-833-5820	6-22	1A2A5R4	5905-946-7562	6-30	1A1A4R1
5905-833-5820	6-22	1A2A5R100	5905-978-6412	6-26	1A2A4R15
5905-834-0019	6-3	4A1R8	5905-978-7702	6-24	1A2A3R41
5905-834-6633	6-26	1A2A4R34	5905-983-5826	6-26	1A2A4R10
5905-836-2859	6-24	1A2A3R9	5905-985-3958	3-12	1A2A1A1R2
5905-836-2859	6-30	1A1A4R3	5905-993-6985	3-9	1A2A6R2
5905-837-4777	6-22	1A2A5R2	5905-993-6985	6-24	1A2A3R43
5905-840-7607	6-22	1A2A5R32	5910-007-4413	6-31	1A3AA1C1
5905-840-7607	6-22	1A2A5R35	5910-007-4413	6-31	1A3A1A1C3
5905-841-6964	3-12	1A2A1A1R7	5910-022-5658	6-24	1A2A3C3
5905-843-5197	6-26	1A2A4R35	5910-064-3305	6-22	A2A5C11
5905-843-6625	6-26	1A2A4R33	5910-067-4413	6-26	1A2A4C2
5905-847-3427	6-22	1A2A5R3	5910-068-3884	6-31	1A3AA1C2
5905-848-8924	6-22	2A5R34	5910-068-4298	6-22	1A2A5C2
5905-850-6880	6-26	1A2A4R36	5910-068-4298	6-24	1A2A3C1
5905-854-8118	6-26	1A2A4R34	5910-068-4298	6-24	1A2A3C7
5905-855-2544	6-3	4A1R2	5910-068-4298	6-26	1A2A4C5
5905-878-5808	6-26	1A2A4R34	5910-068-4298	6-26	1A2A4C6
5905-879-6995	6-26	1A2A4R22	5910-068-4298	6-26	1A2A4C9
5905-879-6995	6-26	1A2A4R35	5910-078-7227	6-24	1A2A3C6
5905-882-7888	6-3	4A1R14	5910-106-7161	6-22	1A2A5C9
5905-882-7889	6-22	1A2ASR3	5910-106-7161	6-22	1A2A5C10

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
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FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
5910-106-7162	6-24	1A2A3C2	5935-052-2300		1A1A1W1E7
5910-106-7162	6-24	1A2A3C4	5935-052-2300		1A1A1W1E8
5910-m11-1708		1A1A3B1C1	5935-052-2300		1A1AW1E9
5910-481-8109	3-12	1A2A11AC1	5935-052-2300		A1AW1E110
5910-481-8109	6-22	1A2A5C5	5935-052-2301		1A1WE1
5910-883-5712	3-8	1A2A3C5	5935-052-2301		1A1W1E2
5910-986-5427	6-32	1A2A2A1C1	5935-052-2301		1A1W1E3
5910-986-5427	6-32	1A2A2A1C2	5935-052-2301		1A1W1E4
5910-990-4881	6-22	1A2A5C4	5935-052-2301		A11W1E5
5910-990-4881	6-22	1A2A506	5935-052-2301		1A1W1E6
5910-990-4881	6-22	1A2A5C8	5935-052-2301		1A1W1E7
5910-990-4881	6-26	1A2A4C7	5935-052-2301		1A1W1E8
5910-998-4105	6-26	1A2A4C1	5935-052-2301		1A1W1E9
5910-998-4105	6-26	1A2A4C4	5935-052-2301		1A1W1E10
5915-481-8108	3-13	1A3FL1	5935-110-7735		1A1W1MP411
5925-111-1730	6-5	4CB1	5935-110-7736		1A1W1MP412
5925-838-3742	3-8	1A2ACB1	5935-226-4885	3-8	A2A1MP480
5925-969-7783	3-8	1A2A1CB2	5935-682-0658	3-8	1A1MP497
5930-106-3927	3-13	1A3S4	5935-682-0658	3-13	1A3MP560
5930-463-3059	3-4	1A1S1	5935-725-4446	6-37	1A1W1J1
5930-501-1749	3-13	1A3S5	5935-762-1392	3-8	1A2AMP481
5930-518-3490	3-13	1A3S1	5935-789-6069	3-4	1A1MP170
5930-518-3490	3-13	A3S2	5935-831-9028	3-1	1A2A1A1J1
5930-518-3490	3-13	1A3S3	5935-858-5633	3-8	1A2A6W1P8
5930-646-4619	3-3	1A1A1S1	5935-899-9361	3-8	1A2A1MP479
5930-832-4163	3-3	A1A1MP4	5935-917-0336	3-13	1A3J3
5935-052-2300		A1A11W1E1	5935-917-0336	6-5	4J3
5935-052-2300		1A1A1W1E2	5935-926-0678	6-39	1A3W1J2
5935-052-2300		1AA1A1WE3	5935-926-0680	3-12	1A2A1AJ3
5935-052-2300		1AA1W1E4	5935-926-0682	6-5	4W1J1
5935-052-2300		1A1A1W1E5	5935-941-7808	3-12	1A2A1A1J2
5935-052-2300		1A1A1W1E6	5940-032-5763		1A1A3B1E5

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FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
5940-050-2308		1A_31E1	5945-915-1052		1A2A3P432
5940-110-4443		1A3E3	5945-915-1052		1A2A4MP450
5940-113-9828		1A1A4E1	5945-915-1052		1A2A4MP451
5940-113-9828		1A1A4E2	5945-915-1052		1A2A4MP452
5940-143-5440		11A1W1E31	5945-945-1581	6-24	1A2A3K1
5940-144-2353	3-4	1A1E3	5945-945-1581	6-26	1A2A4K1
5940-144-2353	3-4	1A1E4	5945-945-1581	6-26	1A2A4K2
5940-150-4224		1A2A6E1	5945-945-1581	6-26	1A2A4K3
5940-150-4224		1A2A6E2	5950-088-3748	6-22	1A2A5T2
5940-150-4224		1A2A6E3	5950-106-5261		1A3A1A1T1
5940-150-4224		1A2A6E4	5950-463-3058	6-22	1A2A5T1
5940-534-8131	4-14	1A1A3B1E1	5960-939-8657		1A2MP424
5940-534-8131	4-14	1A1A3B1E2	5960-939-8657		1A2MP425
5940-557-4398		1A1W1E23	5960-939-8657		1A2MP426
5940-557-4398		1A1W1E24	5960-939-8657		1A2MP427
5940-557-4398		1A1WE25	5960-939-8657		1A2MP428
5940-557-4398		1A1W1E26	5960-939-8657		1A2MP429
5940-557-4398		1A1W1E27	5961-081-4816	3-14	1A3A1Q2
5940-557-4398		1A1W2E1	5961-081-4816	3-14	1A3A1Q4
5940-557-4398		1A1W2E2	5961-081-4816	6-24	1A2A3Q3
5940-577-3711		1A1W1E21	5961-463-3053	6-26	1A2A4Q2
5940-577-3711		1A1W1E22	5961-463-3054	3-9	1A2A6Q1
5940-681-8183		1A2A2E1	5961-463-3056	6-24	1A2A3Q12
5940-681-9771	3-4	1ATB1	5961-492-2522	3-4	1A1A2
5940-813-0698	3-9	1A2A6W1E1	5961-723-3602	6-3	4A1CR1
5940-813-0698	3-9	1A2A6W1E2	5961-723-3602	6-3	4A1CR2
5940-813-0698	3-9	1A2A6W1E3	5961-723-3602	6-3	4A1CR3
5940-813-0698	3-9	1A2A6W1E4	5961-723-3602	6-3	4A1CR4
5940-926-9869		1A1E1	5961-723-3602	6-3	4A1CR5
5940-926-9869		1A1E2	5961-752-6121	6-22	1A2A5VR3
5940-958-6213		1A1A3B1E3	5961-821-2309	6-24	1A2A3VR1
5940-958-6213		1A1A3B1E4	5961-821-2309	6-26	1A2A4VR3

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
5961-821-2309	6-26	1A2A4VR4	5961-945-2975		1A2A5MP465
5961-836-0383	3-12	1A3A1VR3	5961-951-8756	6-24	1A2A3Q1
5961-853-3438	3-10	12AA2VR	5961-951-8756	6-24	1A2A3Q11
5961-853-3438	3-10	1A2A2VR2	5961-951-8756	6-24	1A2A3Q2
5961-879-7428		1A3A1A1MP548	5961-951-8756	6-24	1A2A3Q4
5961-883-8906	6-3	4A1VR1	5961-951-8756	6-24	1A2A3Q5
5961-892-3361	6-22	1A2A5VR2	5961-951-8756	6-24	1A2A3Q6
5961-893-9563	3-1	1A3A1Q3	5961-951-8756	6-26	1A2A4Q3
5961-905-8509		1A2A3MP437	5961-951-8757	6-24	1A2A3Q10
5961-905-8509		1A2A3MP438	5961-951-8757	6-26	1A2A4Q1
5961-905-8509		1A2A3MP439	5961-951-8757	6-26	1A2A4Q4
5961-905-8509		A2A3P440	5961-951-8757	6-31	1A3A1A1Q1
5961-905-8509		1A2A3MP441	5961-957-6865	3-7	1A1A3CR3
5961-905-8509		1A2A3MP442	5961-957-6865	3-7	1A1CR1
5961-905-8509		1A2A3MP443	5961-957-6865	6-22	1A2A5CR1
5961-905-8509		1A2A3P444	5961-957-6865	6-22	1A2A5CR2
5961-905-8509		1A2A3P445	5961-957-6865	6-22	1A2A5CR3
5961-905-8509		1A2A3MP446	5961-957-6865	6-22	1A2A5CR4
5961-905-8509		1A2A4MP454	5961-957-6865	6-24	1A2A3CR1
5961-905-8509		1A2A4MP455	5961-957-6865	6-24	1A2A3CR2
5961-905-8509		1A2A4MP456	5961-957-6865	6-24	1A2A3CR4
5961-905-8509		1A2A4MP457	5961-957-6865	6-24	1A2A3CR5
5961-905-8509		1A3A1A1P547	5961-957-6865	6-26	1A2A4CR1
5961-925-377m	6-24	1A2A3Q7	5961-957-6865	6-26	1A2A4CR2
5961-925-3777	6-24	1A2A3Q8	5961-957-6865	6-26	1A2A4CR3
5961-925-3777	6-24	1A2A3Q9	5961-957-6865	6-26	1A2A4CR4
5961-930-7486		1A2A3MP448	5961-957-6865	6-26	1A2A4CR5
5961-945-2975		1A2A3MP433	5961-957-6865	6-26	1A2A4CR6
5961-945-2975		1A2A3P434	5961-957-6865	6-26	1A2A4CR7
5961-945-2975		1A2A3P435	5961-957-6865	6-26	1A2A4CR8
5961-945-2975		1A2A3MP436	5961-957-6865	6-31	1A3A1A1CR1
5961-945-2975		1A2A5MP464	5961-957-6865	6-31	1A3A1A1CR2

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
5961-957-6865	6-31	1A3A1A1CR3	5977-285-0051	4-14	1A1A3B1MP235
5961-957-6865	6-31	1A3A1A1CR4	5995-470-4565	3-4	1A1W1
5961-957-6865	6-32	1A2A1CR1	5999-112-8769	3-4	1A1MP188
5961-957-6865	6-32	1A2AA1CR2	5999-239-3350		1A1W1E11
5961-957-6865	6-32	1A2A2A1CR3	5999-239-3350		1A1W1E12
5961-957-6865	6-32	112A2A1CR4	5999-239-3350		1A1WE13
5961-957-6865	6-32	1A2A2A1CR5	5999-239-3350		1A1W1E14
5961-957-6865	6-32	1AA2A1CR6	5999-239-3350		1A1W1E15
5961-959-8546	6-22	1A2A5Q1	5999-239-3350		1A1W1E16
5961-959-8546	6-22	1A2A5Q2	5999-239-3350		1A1W1E17
5961-977-5631		1A2A3MP447	5999-239-3350		1A1W1E18
596%1-978-5966	3-7	1A1CR2	5999-239-3350		1A1W1E19
5961-978-5966	3-9	1A2A6CR1	5999-239-3350		1A1W1E20
5961-978-5966	3-9	1A2A6CR2	5999-239-3350		1A1A1W1E21
5%91-978-5966	3-9	1A2A6CR3	5999-239-3350		1A1A1W1E22
5961-978-5966	3-9	1A2A6CR4	5999-239-3350		1A1A1W1E23
5%91-985-1940	3-9	1A2A6VR1	5999-239-3350		1A1A1W1E24
596%1-995-2310	6-22	1A2A5VR1	5999-239-3350		11A1W1E25
5961-995-2310	6-22	1A2A5VR4	5999-239-3350		1A1A1W1E26
5961-995-2310	6-22	1A2A5VR5	5999-239-3350		1A1A1W1E27
5961-995-2310	6-22	1A2A5VR6	5999-239-3350		1A1A1W1E28
5961-995-2310	6-26	1A2A4VR1	5999-239-3350		1A1A1W1E29
5961-995-2310	6-26	1A2A4VR5	5999-239-3350		1A1A1W1E30
5962-463-3195	6-22	1A2A5AR1	5999-866-3377	3-8	1A2AMP498
5962-463-3195	6-22	1A2A5AR2	6105-168-3693	3-4	1A1A3
5962-463-3195	6-22	1A2A5AR3	6105-168-3693	3-4	1AU1P182
5962-463-3195	6-24	1A2A3AR1	6105-168-3693	3-16	MP602
5962-463-3195	6-26	1A2A4AR1	6105-549-8043	4-14	1A1A3B1MP252
5962-886-9544	6-26	1A2A4AR2	6105-549-8043	4-14	1A1A3B1MP253
5977-071-5374		1A1A3B1MP241	6105-549-8044	4-14	1A1A3B1MP236
5977-071-5374		1A1A3B1MP242	6105-549-8044	4-14	1A1A3B1UP237
5977-285-0051	4-14	1A1A3B1MP234	6210-295-1909	6-5	4XDS1

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
6210-538-8770	3-13	1A3XDS2	6720-107-4406	3-3	LtA1PL26
6210-542-6393	3-13	1A3XDS1	6720-107-4406	3-3	LA111MP27
6240-155-7836	3-13	1A3DS1	6720-107-4407	3-3	1A1A1MP42
6240-155-7836	3-13	1A3DS2	6720-107-4407	3-3	1A11MP43
6240-682-3411	6-5	4DS1	6720-107-4408		1A1MP384
6680-106-2287	3-13	1A311	6720-107-4410	3-3	1AA11MP41
66S0-113-5684	3-7	1A1G1	6720-107-4411	3-4	1A1MP406
6720-018-9479	3-3	1A1A/MP32	6720-107-4413	3-4	1A1AMP405
6720-068-2195	3-4	1AUMP178	6720-107-4414	3-4	1A1MP3
6720-106-7871	3-4	1A1MP189	6720-107-4416	3-4	1A1MP383
6720-106-7871	3-4	1A1MP190	6720-107-4417	3-4	1AUMP410
6720-106-7872	3-4	A1MP342	6720-107-4419	3-3	1A1AMP9
6720-106-7873	3-4	1A1MP275	6720-107-4420	3-3	1A1A1MP23
6720-106-7874		1A1UP155	6720-107-4421	3-3	1ALAMP11
6720-106-7875		1A1M1P267	6720-107-4423	3-4	1A1A1
6720-106-7876	3-3	1A1A1M121	6720-107-4425	3-8	1A2A1A1
6720-106-7877		1A1AP53	6720-107-4426	3-3	1ALUMP10
6720-106-7877		1A1A1MP54	6720-107-4447	3-13	1A3MP551
6720-106-7878	3-3	11A1A1P64	6720-107-4449	3-16	MP576
6720-106-7879		1A1ALP84	6720-109-4499	3-4	1A1MP258
6720-107-1291	3-3	1A1ALMP122	6720-111-6784	3-3	1A1A1MP58
6720-107-1292	3-3	1A1ALMP120	6720-112-8759		1AS.AMP106
6720-107-1293	3-4	1A1MP150	6720-112-8761		1A1A1MP1011
6720-107-1298	3-4	1A1MP213	6720-112-8764		1A1A1UP96
6720-107-4390	3-8	A2A3	6720-112-8765		1AL1AMP91
6720-107-4391	3-8	A2A4	6720-112-8768	3-4	1A1UP360
6720-107-4393	3-8	1A2A5	6720-112-8768	3-4	1A1MP361
6720-107-4395	3-8	1A2A2	6720-112-8772	3-4	1AMP183
6720-107-4396	3-10	1A2A2A1	6720-112-8773		1A1MP391
6720-107-4397		1A3A1	6720-112-8774	3-3	1A1A1W1
6720-107-4403	3-3	1ALA1MP5	6720-112-8775	3-4	1A1MP2
6720-107-4404	3-3	1A1A1MP7	6720-112-8776	3-4	1A1MP329

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
6720-112-8779	3-3	1A1A1MP66	6760-110-9893	3-17	MP694
6720-112-8780		1A1A1MP28	6760-110-9894	3-17	MP695
6720-153-0042	3-18	MP616	6760-110-9895	3-19	MP708
6720-153-0044	6-3	1A1MP276	6760-110-9896		MP590
6720-155-4153	6-5	4MP12	6760-110-9896		MP591
6720-400-2590		4	6760-110-9897		MP583
6720-419-3126	3-3	1A1A1V1	6760-110-9898		MP723
6720-419-3127	3-3	1A1A1V1	6760-110-9899	3-19	MP709
6720-463-7461	4-14	1A1A3B1MP249	6760-110-9900	3-16	MP736
6720-824-2919	3-4	1A1MP167	6760-111-2815	3-16	MP615
6720-890-7608		1A1	6760-111-2817	3-16	MP601
6720-890-7609		1A2	6760-111-6782	3-16	MP611
6720-914-9492		1A1MP309	6760-111-6783	3-17	MP687
6720-914-9492		1A1MP310	6760-111-6785	3-19	MP707
6720-914-9492		1AMP311	6760-111-6786	3-19	MP706
6720-914-9492		1A1MP312	6760-111-6787	3-17	MP688
6760-071-7014		MP567	6760-111-6788	3-3	1A1A1MP56
6760-071-7016		MP577	6760-112-0520	3-16	MP600
6760-071-7017	3-16	MP603	6760-112-0521	3-16	MP607
6760-071-9352	3-16	MP738	6760-112-0522	3-16	MP608
6760-071-9352	3-16	MP747	6760-112-0523		MP628
6760-071-9352	3-16	MP777	6760-112-0524	3-18	NP645
6760-071-9352	3-16	MP778	6760-112-0524	3-18	MP646
6760-071-9353	3-16	MP745	6760-112-0524	3-18	MP647
6760-071-9361	3-3	1AA1AMP117	6760-112-0524	3-18	MP648
6760-071-9362	3-3	1A1A1MP8	6760-112-0524	3-18	MP649
6760-072-6256		MP759	6760-112-0524	3-18	MP650
6760-072-6256		MP760	6760-112-0524	3-18	MP651
6760-074-3229	3-3	1A1A1P52	6760-112-0524	3-18	MP652
6760-074-3235	3-3	1AA11MP57	6760-112-0525		MP786
6760-110-9891	3-18	MP617	6760-112-0526		MP739
6760-110-9892	3-18	MP618	6760-112-0528	3-16	MP609

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER		ITEM NUMBER OR REF DESIGNATION
				REFERENCE NO.	DESIGNATION	
		MFG. REFERENCE NO.	FIG. CODE			
6760-112-0528	3-16	MP610	AN340C3	88044	3-4	1A1H210
6760-112-0529	3-16	MP785	AN340C3	88044	3-4	1211
6760-112-0530	3-16	MP797	AN50006-5	88044	3-12	1A2A1A1H292
6760-112-0531		MP730	AN565AC2H4	88044	3-3	1A1A1MP79
6760-116-0671	3-16	MP612	AN565AC2H4	88044	3-4	1A1MP339
6760-116-0672	3-7	1A1A4	AN565AC2H4	88044	3-4	1A1MP3400
6760-182-4913		4MP22	AN565DC4H3	88044	3-3	80
6760-285-7644	4-14	1A1A3B1MP255	AN565DC4H3	88044	3-3	1A1A1MP81
6760-658-7994	4-14	1A1A3B1MP250	AN565ECH4	88044	3-4	1AM P313
6760-658-7994	4-14	1A1A3B1MP251	AN565ECH4	88044	3-4	1A1MP314
6760-860-5902	3-8	1A2A1MP499	AN565ECH4	88044	3-4	1A99MP315
6760-860-5902	3-13	18A561	AN565ECH4	88044	3-4	1A1MP316
6760-860-5902	6-5	4MP21	AN565ECH4	88044	4	1A1MP317
6760-901-7322	3-16	MP749	AN565ECH4	88044	3-4	1A1MP318
6760-901-7322	3-16	MP750	AN565ECH4	88044	3-4	1AMP319
6760-909-8067	3-16	MP779	AN565ECH4	88044	3-4	1A1MP320
6760-922-5802		MP562	AN565EC4H3	88044	3-3	1A1MP182
6760-922-5803		1A3	AN565FC6H12	88044		1A1M341
6760-923-3052	3-16	MP775	AN565EC516L	88044	3-14	1A3A1H406
6760-923-3053	3-16	MP776	AVFS1KDD7	21335	3-4	1A1MP129
6760-923-3054	3-4	141MP365	A10122	07047		1A2A3MP433
6760-923-3054	3-4	1A1MP366	A10122	07047		1A2A3MP434
6760-923-3054	3-4	1A1MP367	A10122	07047		1A2A3MP435
6760-922-3054	3-4	1P368	A10122	07047		1A2A3MP436
6760-9233054	3-16	MP754	A10122	07047		1A2A3MP464
6760-923-3054	3-16	MP755	A10122	07047		1A2A5M465
6760-923-3054	3-16	MP756	A532-401-4	72314	4-14	1A1A3B1H156
6790-923-3054	3-16	MP757	A532-401-4	72314	4-14	1A1A3B1H157
			A597-34	72314		1A1A3B1MP220
			A597-36	72314		1A1A3B1MP221
			A597-36	72314		MP75222
			A602-26	95238		1A2A1A1MP484

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE

TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	
<u>REFERENCE NO.</u>	<u>MFG. CODE</u>	<u>FIG. NO.</u>	<u>REFERENCE DESIGNATION</u>	<u>MFG. CODE</u>	<u>FIG. NO.</u>	<u>REFERENCE DESIGNATION</u>
A602-26		95238	1A2A1A1MP485	CL832-2	46384	1A2MP419
A602-26		95238	1A2A1A1MP486	CL832-2	46384	1A2MP420
A602-26		95238	1A2A1A1MP487	CL832-2	46384	1A2MP421
CG115		23266	3-7 1A1MP172	CL832-2	46384	1A2MP422
CG141A		23266	3-3 1AA1MPW47	CSR13E225KM	81349	6-24 1A2A3C6
CG141A		23266	3-3 1A1ALP48	CSR13F476KM	81349	6-26 1A2A4C1
CG141A		23266	3-3 1A1A1MP49	CSR13F476KM	81349	6-26 1A2A4C4
CKR05CW221KM		81349	6-24 1A2A3C3	CSR13G105KM	81349	6-22 1A2A5C2
CKR06BX472KM		81349	1A1A3B1C1	CSR13G105KM	81349	6-24 1A2A3C1
CKR06BX563KU		81349	6-24 1A2A3C2	CSR13G105XU	81349	6-24 1A2A3C2
CKR06BX563KM		81349	6-24 1A2A3C4	CSR13G105KM	81349	6-24 1A2A3C7
CKR06CW104(K		81349	6-22 1A2A5C11	CSR13G105KM	81349	6-26 1A2A4C5
CKR06CW104KP		81349	6-22 1A2A5C9	CSR13G10SK1	81349	6-26 1A2A406
CKR06CW104KP		81349	6-22 A2A5C100	CSR13G105KM	81349	6-26 1A2A4C9
CK05CW221K		81349	6-22 1A2A5C6	CSR13G106KM	81349	6-31 1A3A1A1C2
CK05CW221K		81349	6-22 1A2A5C8	CSR13G475KM	81349	6-26 1A2A4C2
CK05CW221K		81349	6-26 1A2A4C7	CSR13G475KM	81349	6-31 1A3A1A1C1
CK06CW103K		81349	6-24 1A2A3C5	CSR13G475KM	81349	6-31 1A3A1A1C3
CLS632-1		46384	1A3MP524	C59	00141	4-12 1A1A3B1H160
CLS632-1		46384	1A3MP525	059	00141	4-12 1A1A3B1H161
CLS632-1		46384	1A3MP526	DHS4-1/32	10012	1A2A2MP513
CLS632-1		46384	1A3MP527	DHS4-1/32	10012	1A2A2MP514
CLS632-1		46384	1A3MP528	D4-128	95987	1A1H80
CLS632-1		46384	1A3MP529	D4-128	95987	1A1H81
CLS632-1		46384	1A3MP530	D4-128	95987	1A1H82
CLS632-1		46384	1A3MP531			
CLS632-1		46384	1A3MP532	D4-128	95987	3-3 1A1AH29
CLS632-1		46384	1A3MP533	D4-128	95987	3-3 1A1AH30
CLS632-1		46384	1A3MP534	D4-128	95987	3-8 1A2H258
CLS632-1		46384	1A3MP535	D4-128	95987	3-10 1A2H317
CL31CJ140MP3		81349	6-32 1A2A2A1C1	D6-1	00141	1A1MP407
CL31CJ140MP3		81349	6-32 1A2A2A1C2	FS3KDDFS171	21335	MP578

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE

TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION		
<u>REFERENCE NO.</u>	<u>MFG. CODE</u>	<u>FIG. NO.</u>	<u>REFERENCE DESIGNATION</u>	<u>MFG. REFERENCE NO.</u>	<u>FIG. REFERENCE CODE</u>	<u>NO.</u>	<u>DESIGNATION</u>
FT029A01		81349	1A1A3B1E3	F200-2C75	72314	3-19	MP718
FT029A01		81349	1A1A3B1E4	F79-3-8	72314	3-3	1A1A1MP59
F114-30-16		72314	1A1MP165	F79-3-8	72314	3-3	1A1A1MP60
F114-50-10		72314	1A1AMP257	JS246	91929	3-3	1A1A1MP4
F114-50-11		72314	1A1MP280	LL57J40P4E	16941	3-3	1A1A1MP83
F114-50-11		72314	1A1MP386	LP9A1B205J	72314	3-12	1A2A1C1
F114-50-6		72314	1A1MP387	LP9A1B205J	72314	6-22	1A2A5C5
F114-50-6		72314	1A1MP195	MMT18M	00348	6-22	1A2A5T2
F114-50-6		72214	1A1WP352	MODEL211	05820		1A2A3MP431
F114-50-8		72314	1A1MP394	MS15795-801	96906	3-7	1A1H140
F114-50-8		72314	MP802	MS15795-801	96906	3-7	1A1H141
F137-1-4LV		72314	1A1A11MP86	MS15795-802	96906	3-16	H454
F200-1C55		72314	MP749	MS15795-803	96906		1A1H212
F200-1C55		72314	MP750	MS15795-803	96906		1A1H213
F200-2C107		72314	1A1MP363	MS15795-803	96906		1A2A3H244
F200-2C107		72314	1A1MP364	MS15795-803	96906		1A2A3H245
F200-2C12		72314	MP659	MS15795-803	96906	3-4	1A1A1H21
F200-2C55		72314	MP751	MS15795-803	96906	3-8	1A2H256
F200-2C55		72314	MP752	MS15795-803	96906	3-8	1A2H257
F200-2C63		72314	MP753	MS15795-803	96906	3-10	1A2A2H332
F200-2C73		72314	MP775	MS15795-803	96906	3-10	1A2A2H333
F200-2C73		72314	MP776	MS15795-803	96906	3-10	1A2AH334
F200-2C74		72314	MP754	MS15795-803	96906	3-10	1A2A2H335
F200-2C74		72314	MP755	MS15795-803	96906	3-10	1A2A2H336
F200-2C74		72314	11P756	MS15795-803	96906	3-10	1A2A2H337
F200-2C74		72314	MP757	MS15795-803	96906	3-10	1A2A2H338
F200-2C74		72314	1A1MP365	MS15795-803	96906	3-10	1A2A2H339
F200-2C74		72314	1A1MP366	1515795-803	96906	3-13	1A3H439
F200-2C74		72314	A1MP367	MS15795-803	96906	3-13	1A3H440
F200-2C74		72314	A1MP368	MS15795-803	96906	3-14	1A3A1H415
F200-2C75		72314	MP716	515795-803	96906	3-14	1A3A1H416
F200-2C75		72314	MP717	MS15795-803	96906	3-14	1A3A1H417

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE

TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION			
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION	MFG. REFERENCE NO.	FIG. REFERENCE NO.	DESIGNATION		
MS15795-803		96906	3-14	1A3A1H418	MS16535-153	96906	4H21	
MS15795-803		96906	6-5	4H35	MS16535-153	96906	4H22	
MS15795-803		96906	6-5	4H36	MS16535-154	96906	1A2A1A1H287	
MS15795-804		96906		H532	MS16535-158	96906	3-4	1A1H95
MS15795-804		96906		H533	MS16535-158	96906	3-4	1A1H96
MS15795-805		96906		1A2A1A1H290	MS16535-158	96906	3-4	1A1H97
MS15795-805		96906		1A2A1A1H291	MS16535-158	96906	3-4	1A1H98
MS15795-805		96906	3-4	1A1H68	MS16535-159	96906		H504
MS15795-805		96906	3-4	1A1H69	MS16535-159	96906		H505
MS15795-805		96906	3-4	1A1H}70	MS16535-159	96906		H506
MS15795-805		96906	3-4	1A1H71	MS16535-159	96906		H507
MS15795-805		96906	3-13	1A3H368	MS16535-22	96906		
1A2A3H239								
MS15795-805		96906	3-13	1A3H369	MS16535-22	96906		
1A3A1A1H404								
MS15795-805		96906	3-13	1A3H370	MS16535-77	96906		
1A2A5H246								
M)15795-805		96906	3-13	1A3H371	MS16535-77	96906		
1A2A5H247								
MS15795-805		96906	3-13	1A3H372	MS16535-77	96906		
1A3H348								
MS15795-895		96906,	3-13	1A3H373	MS16535-77	96906		
1A3H349								
MS15795-805		96906	3-13	1A3H374	MS16535-77	96906		
1A3H350								
MS15795-805		96906	3-13	1A3H375	MS16535-77	96906		
1A3H351								
MS15795-805		96906	3-14	1A3A1H392	MS16535-77	96906		
1A3H354								
MS15795-805		96906	3-14	1A3A1H393	M1S16535-77	96906		
1A3H%355								
MS15795-805		96906	3-14	1A3A1H394	MS16555-601	96906		
1A1MP159								
MS15795-805		96906	3-14	1A3A1H395	MS16555-601	96906		
1A1MP160								
MS15795-805		96906	3-14	1A3A1H396	MS16555-601	96906	3-3	
1AA1MP61								
MS15795-805		96906	3-14	1A3A1H397	MS16555-601	96906	3-3	
1A1A1P62								
MS15795-805		96906	3-14	1A3A1H398	MS16555-601	96906	3-17	MP690
MS15795-805		96906	3-14	1A3A11H399	MS16555-601	96906	3-17	MP691
MS15795-806		96906	3-16	H544	MS16555-601	96906	3-17	MP692
MS15795-806		96906	3-16	H545	MS16555-601	96906	3-17	MP693
MS15795-812		96906	3-9	1A2A6H265	MS16555-602	96906	3-16	MP672
MS16535-152		96906		1A2A5H250	MS16555-602	96906	3-16	MP673
MS16535-152		96906		1A2A5H251	MS16555-602	96906	3-16	MP674

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE

TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
<u>REFERENCE NO.</u>	<u>MFG. CODE</u> <u>FIG. NO.</u>	<u>REFERENCE DESIGNATION</u>	<u>MFG. REFERENCE NO.</u>	<u>FIG. CODE</u> <u>REFERENCE NO.</u>	<u>DESIGNATION</u>
MS16555-602	96906	3-16	MP675	MS16624-1018	96906 3-4 1A1A1MP76
M316555-602	96906	3-16	MP676	MS16624-1018	96906 3-4 1A1A1MP77
MS16555-602	96906	3-16	MP677	MS16624-4018	96906 MP720
MS16555-602	96906	3-16	MP678	MS16624-4025	96906 3-4 1A1MP334
MS16555-603	96906	3-18	MP631	MS16624-4025	96906 3-4 1A1MP335
MS16555-605	96906		1A1MP278	MS16624-4025	96906 3-4 1A1MP336
MS16555-605	96906		1A1MP398	MS16624-4025	96906 3-16 MP721
MS16555-606	96906	3-3	1A1A1MP30	MS16624-4025	96906 3-16 MP735
M316555-617	96906	3-4	1A1MP161	MS16624-4025	96906 3-16 MP744
U316555-626	96906	3-4	1A1MP259	MS16624-4025	96906 3-16 MP771
MS16555-626	96906	3-18	MP621	MS16624-4025	96906 3-16 MP772
MS16555-634	96906		1A1MP205	MS16624-4037	96906 3-4 1A1P337
)S16555-634	96906		1A1MP206	MS16626-4087	96906 3-4 1A1MP338
MS16555-634	96906		1A1MP207	MS16632-4012	96906 3-18 MP636
YS16555-634	96906		1A11P208	US16632-4025	96906 1A1MP355
3S16555-634	96906		1A1MP209	MS16633-4009	96906 1A1A1MP78
S316555-634	96906		1A1MP210	MS16633-4009	96906 3-18 MP635
MS16555-634	96906		1A1MP260	MS16633-4012	96906 3-17 MP696
1S16624-1012	96906		1A1MP330	MS16633-4018	96906 3-16 MP637
MS16624-1012	96906	3-3	1A1A1MP68	MS16633-40i8	96906 3-16 MP638
MS16624-1012	96906	3-3	1A1A1MP69	MS16633-4018	96906 3-16 MP639
MS16624-1012	96906	3-3	1A1A1P70	MS16633-4018	96906 3-16 MP640
"S16624-1012	96906	3-3	1A1A1UP71	MS16633-4018	96906 3-16 MP641
MS16624-1012	96906	3-3	1A1A1MP72	MS16633-4018	96906 3-16 MP642
MS16624-1012	96906	3-4	1A1A1MP38	MS16633-4018	96906 3-16 MP643
MS16624-1015	96906	3-3	1A1A1MP73	MS16633-4018	96906 3-16 MP644
"S16624-1018	96906		1A1MP331	MS16633-4025	96906 3-16 MP722
US16624-1018	96906		1A1MP332	MS16996-16	96906 3-4 1A1H202
MS16624-1018	96906		1A1MP333	MS16996-16	96906 3-4 1A1H203
ME16624-1018	96906		1A1P354	MS16996-3	96906 3-4 1A1H214
MS16624-1018	96906	3-4	1A1A1P74	M317803-16-20	96906 1A1A1W1E1
3S16624-1018	96906	3-4	1A1A1UP75	MS17803-16-20	96906 11A1AW1E2

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE

TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION	MFG. REFERENCE NO.	FIG. REFERENCE NO.	DESIGNATION
MS17803-16-20		96906	1A1A1W1E3	MS18232	96906	1A1A1W1E16
MS17803-16-20		96906	1A1A1W1E4	MS18232	96906	1A1A1W1E17
M517803-16-20		96906	1A1A1W1E5	MS18232	96906	1A1A1W1E18
1S17803-16-20		96906	1A1A1W1E6	MS18232	96906	1A1A1W1E19
1M17803-16-20		96906	1A1AW1E7	MS18232	96906	1A1A1W1E20
1517803-16-20		96906	1A1A1W1E8MS	18233	96906	1A1W1E11
MS17803-16-20		96906	A1A1W1E9	MS18233	96906	1A1W1E12
15U17802-16-20		96906	1A1A1W1E10	MS18233	96906	1A1W1E13
MS17804-16-20		96906	1A1W1E1	MS18233	96906	1A1W1E14
MS17804-16-20		96906	1A1W1E2	MS18233	96906	1A1W1E15
1517804-16-20		96906	1A1W1E3	MS8233	96906	1A1W1E16
MS17804-16-20		96906	1A1W1E4	MS18233	96906	1A1W1E17
M117804-16-20		96906	1A1W1E5	MS18233	96906	1A1WE18
M517804-16-20		96906	1A1W1E6	MS18233	96906	1A1W1E19
M517804-16-20		96906	1A1W1E7	MS18233	96906	1A1W1E20
MS17804-16-20		96906	1A1W1E8	MS18233	96906	1A1A1W1E21
MS17804-16-20		96906	1AW1E9	N518233	96906	1AA1W1E22
MS17804-16-20		96906	1A1W1E10	MS18233	96906	1A1A1W1E23
MS18175		96906	1A1AW1P1	MS18233	96906	1AtA1W1E24
MS18176		96906	6-38 1A11W1P3	MS18233	96906	A1A1W1E25
MS18177		96906	6-37 1A1W1J3	M518233	96906	1AAW1E26
MS18195-1		96906	1A1A1W1H60	M518233	96906	1A1A1W1E27
M518195-1		96906	1A1A1W1H61	MS18233	96906	1A1A1W1E28
MS18195-2		96906	1A1A1W1H62	MS18233	96906	1A1A1W1E29
MS18195-2		96906	1A1A1W1H63	1S18233	96906	1A1A1W1E30
MS18196-1		96906	1A1W1MP411	MS20426A3-3	96906	1A2A2H318
MS18196-2		96906	1A1W1MP412	MS20426A3-3	96906	1A2A2H319
MS18232		96906	1A1AA1W1E11	1S20426A3-4	96906	1A2H225
MS18232		96906	1AAW1WE12	MS20426A3-4	96906	1A2H226
MS18232		96906	1AA1W1E13	MS21044C04	96906	3-3 1A1A1H48
MS182 32		96906	1A1A1W1E14	MS21044C04	96906	3-3 1A1A1H49
MS18232		96906	1A1A1W1E15	MS21045C04	96906	3-4 1A175

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE

TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION			
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION	MFG. REFERENCE NO.	FIG. REFERENCE NO.	DESIGNATION		
MS21045004		96906	3-4	1A1H76	MS25041-2	96906	3-13	1A3XDS1
MS21083004		96906		1A2A3H240	MS25041-3	96906	3-13	1A3XDS2
MS21083C04		96906		1A2A3H241	MS25085-1	96906	3-3	1A1A1S1
NS21083C04		96906	3-13	1A3H435	MS25089-3C	96906	3-13	1A3S5
MS21083C04		96906	3-13	1A3H436	MS25100-23	96906	3-13	1A3S1
MS21083C04		96906	6-5	4H23	MS25100-23	96906	3-13	1A3S2
M521083C04		96906	6-5	4H24	MS25100-23	96906	3-13	1A3S3
MS21083006		96906		4H25	E25237-327	96906	3-13	1A3DS1
MS21083006		96906		4H26	MS25237-327	96906	3-13	1A3DS2
MS21083006		96906		4H27	MS25331-4	96906	6-5	4XDS1
MS21083C06		96906		4H28	MS26574-1-1-2	96906	3-8	1A2A1CB1
MS21083C06		96906	3-13	1A3H427	MS26574-3	96906	3-8	2A1CB2
MS21083C06		96906	3-13	1A3H428	M53122E20-39P	96906	6-37	1A1WiJ1
MS21083C06		96906	3-13	1A3f429	MS3127E14-19P	96906		4W1J1
MS21083C06		96906	3-13	1A3H430	MS3127E14-19S	96906	3-12	1A2A1A1J3
MS24585-83		9906	3-16	MP781	MS3127E16-26P	96906	3-12	1A2A1A1J2
MS24585-83		96906	3-16	MP782	MS3127E16-26S	96906	3-13	1A2A1A1J2
Mh25036-1		96906	3-9	1A2A6W1E1	MS3127E20-39S	96906	3-12	1A2A1A1J1
MS25036-1		96906	3-9	1A2A6W1E2	MS3181-14C	96906	3-8	1A2A1MP479
M125036-1		96906	3-9	1A2A6W1E3	MS3181-16C	96906	3-8	12AA1MP480
MS25036-1		96906	3-9	1A2A6W1E4	MS3181-20C	96906	3-8	1A2A1MP481
MS25036-3		96906		A1W11E21	MS35338-135	96906	3-10	1A2A2H340
MS25036-3		96906		1A1W1E22	MS35338-135	96906	3-10	1A2A2H341
MS25036-48		96906		1AW1E23	MS25228-135	96906	3-10	1A2A2H342
MS25036-48		96906		A1WUE24	MS35338-135	96906	3-10	1A2A2H343
hM25036-48		96906		1A1W1E25	MS35338-135	96906	3-10	1A2A2H344
MS25036-48		96906		A1W1E26	MS35338-135	96906	3-10	1A2A2H345
MS25036-48		96906		1A1W1E27	M535338-135	96906	3-10	1A2A2H346
MS25036-48		96906		1A1W2E1	MS35338-135	96906	3-10	1A2AH347
MS25036-48		96906		1A1W2E2	MS35338-136	96906	3-13	1A3H376
MS25036-48		96906		1A1A4E1	MS35338-136	96906	3-13	1A3H377
MS25036-48		96906		1A1A4E2	MS35338-136	96906	3-13	1A3H378

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE

TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
<u>REFERENCE NO.</u>	<u>MFG. CODE</u> <u>FIG. NO.</u>	<u>REFERENCE DESIGNATION</u>	<u>MFG. REFERENCE NO.</u>	<u>FIG. CODE</u> <u>REFERENCE NO.</u>	<u>DESIGNATION</u>
MS35338-136	96906	3-13 1A3H379	MS35672-17	96906	3-4 1A1MP194
MS35338-136	96906	3-13 1A3H380	MS35672-17	96906	3-16 MP789
MS35338-136	96906	3-13 1A3H381	MS35672-17	96906	3-16 MP789A
MS35338-136	96906	3-13 1A3H382	MS35672-17	96906	3-16 MP800
MS35338-136	96906	3-13 1A3H383	MS35672-18	96906	1A1MP393
M535338-136	96906	4-14 1A1A3B1H158	MS35672-18	96906	3-16 MP605
MS35338-136	96906	4-14 1A1A3B1H159	MS35672-19	96906	3-16 MP790
MS35338-137	96906	3-8 1A2A11H296	MS5672-19	96906	3-16 MP801
MS35338-137	96906	3-8 1A2A1H297	MS35672-22	96906	3-4 1A1MP163
MS35338-79	96906	3-14 1A3A1H400	MS35672-22	96906	3-4 1A1MP164
MS35338-79	96906	3-14 1A3A401	M35672-7	96906	3-4 1A1L1MP380
MS35338-79	96906	3-14 1A3A1H402	MS35672-7	96906	3-16 MP725
MS35338-79	96906	3-14 1A3A1H403	MS35691-530	96906	3-14 1A3A1H405
MS35431-2	96906	1A2A2E1	MS51957-1	96906	1A2A6H263
MS35431-3	96906	1A3W11	MS51957-1	96906	1A2A6H264
MS35489-33	96906	3-9 1A2A6MP477	MS51957-1	96906	3-4 1A1H1
MS35490-48	96906	3-4 1A1MP199	MS51957-12	96906	1A1A3B1H162
MS35649-244	96906	3-3 1A1ARH27	MS51957-12	96906	3-3 1A1H34
MS35649-44	96906	1A3A1H407	Mh51957-12	96906	3-3 1A1A1H35
MS35649-44	96906	1A3A1H408	MS51957-12	96906	3-3 1A1A1H36
MS35649-44	96906	1A3A1H409	MS51957-12	96906	3-3 1A1A1H37
MS35649-44	96906	1A3A1H410	MS51957-12	96906	3-3 1A1A1H38
MS35649-44	96906	3-8 1A2H252	MS51957-12	96906	3-4 1A1H176
MS35649-64	96906	MP670	MS51957-12	96906	3-4 1AH177
MS35649-64	96906	1A1H163	MS51957-12	96906	3-4 1A1H178
MS35650-104	96906	3-4 1A1H172	MS51957-12	96906	3-4 1A1H179
MS35650-104	96906	3-4 1A1H173	MS51957-12	96906	3-4 1A1H180
MS35650-104	96906	3-4 1A1H174	MS151957-12	96906	3-4 1A1H181
MS35650-104	96906	3-4 1A11175	MS51957-12	96906	3-4 1A1H182
MS35672-16	96906	3-4 1A1MP351	MS51957-12	96906	3-4 1A1H183
MS35672-16	96906	3-16 MP734	MS51957-12	96906	3-4 1A1H184
MS35672-16	96906	3-16 MP743	MS51957-12	96906	3-4 1A11185

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE

TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER				FEDERAL STOCK NUMBER				
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION	MFG. REFERENCE NO.	FIG. CODE	REFERENCE NO.	ITEM NUMBER OR REF DESIGNATION	
MS51957-12		96906	3-8	1A2H298	MS51957-13	96906	3-7	1A1H132
MS51957-12		96906	3-8	1A2H299	mS51957-13	96906	3-7	1A1H133
MS51957-12		96906	3-10	1A2A2H320	MS51957-13	96906	3-7	1A1H134
MS51957-12		96906	3-10	12AA2H321	MS51957-13	96906	3-7	1A1H135
MS51957-12		96906	3-10	1A2AH322	MS1957-13	96906	3-7	1A1H136
MS51957-12		96906	3-10	12AA2H323	MS51957-13	96906	3-7	1A1H137
MS51957-12		96906	3-10	1A2A2H324	MS51957-13	96906	3-10	1A2A2H304
MS51957-12		96906	3-10	1A2A2H325	MS51957-13	96906	3-10	1A2A2H305
MS51957-12		96906	3-10	1A2A2H326	MS51957-13	96906	3-10	1A2A2H306
MS51957-12		96906	3-10	1A2A2H329	MS51957-13	96906	3-10	A2A2H307
MS51957-12		96906	3-10	1A2A2H329	MS51957-13	96906	3-10	1A2A2H308
MS51957-12		96906	3-10	1A2A2H330	MS51957-13	96906	3-10	1A2A2H3109
MS51957-12		96906	3-10	1A2A2H331	MS51957-13	96906	3-10	1A2A2H310
MS51957-12		96906	3-16	H508	MS51957-13	96906	3-10	1A2A2H311
MS51957-12		96906	3-16	H509	MS51957-13	96906	3-10	1A2A2H312
MS51957-12		96906	3-16	H510	MS51957-13	96906	3-10	1A2A2H313
MS51957-12		96906	3-16	H511	MS51957-13	96906	3-10	1A2A2H314
MS51957-13		96906		H530	MS51957-13	96906	3-10	1A2A2H315
M551957-13		96906		H531	MS51957-13	96906	3-10	4H316
MS51957-13		96906	3-3	1AA11H9	MS51957-13	96906	3-16	H441
MS51957-13		96906	3-3	1A1AH10	MS51957-13	96906	3-16	H442
MS51957-13		96906	3-3	1AA1H11	1MS51957-13	96906	3-16	H443
MS51957-13		96906	3-3	1A1A1H12	MS51957-13	96906	3-16	H444
MS51957-13		96906	3-3	1A1AH143	MS51957-13	96906	3-16	H445
MS51957-13		96906	3-3	1A1A1H14	M151957-13	96906	3-16	H446
MS51957-13		96906	3-3	1A1A1H15	MS51957-13	96906	3-16	H447
M551957-13		96906	3-3	1A1A1H16	MS51957-13	96906	3-16	H1448
MS51957-13		96906	3-3	1A1A1H17	MS51957-13	96906	3-16	H449
MS51957-13		96906	3-3	1A1A1H18	M551957-13	96906	3-16	H450
MS51957-13		96906	3-3	1A1A1H19	MS51957-13	96906	3-16	H451
MS51957-13		96906	3-3	1A1A1H20	MS51957-13	96906	3-16	H452
MS51957-13		96906	3-7	1A1H131	MS51957-13	96906	3-17	H536

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE

TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER		FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION		FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION		MFG. REFERENCE NO.	FIG. CODE	REFERENCE NO.	DESIGNATION
MS51957-13		96906	3-17	H537	MS51957-18	96906	3-8	1A2H254
MS51957-13		96906	3-17	H538	MS51957-18	96906	3-8	1A2H255
MS51957-13		96906	3-17	H539	MS51957-2	96906	3-19	H540
MS51957-14		96906	3-4	1A1H164	MS51957-2	96906	3-19	H541
MS51957-14		96906	3-4	1A1H165	MS51957-25	96906		H546
MS51957-14		96906	3-4	1A1H166	MS51957-25	96906		H547
MS51957-14		96906	3-4	1A1H167	MS51957-25	96906	3-4	1A1H99
MS51957-14		96906	3-4	1A1H168	MS51957-25	96906	3-4	1A1H100
MS51957-14		96906	3-4	1A1H169	MS1957-25	96906	3-4	1A1H101
MS51957-14		96906	3-4	1A1H170	MS51957-25	96906	3-4	1A1H102
MS51957-14		96906	3-4	1A1H171	MS51957-26	96906		1A1H151
MS51957-14		96906	3-16	H499	MS51957-26	96906		1A1H152
MS51957-14		96906	3-16	H500	MS51957-26	96906	3-4	1A1H83
MS51957-14		96906	3-16	H501	M51957-26	96906	3-4	1A1H84
MS51957-14		96906	3-16	H502	MS51957-26	96906	3-4	1A1H85
MS51957-14		96906	3-16	H503	MS51957-26	96906	3-4	1ALH86
MS51957-14		96906	3-16	H542	MS51957-26	96906	3-4	1A1H87
MS51957-14		96906	3-16	H543	MS51957-26	96906	3-4	1A1H88
MS51957-15		96906		1A1H77	MS51957-26	96906	3-4	1A1H89
MS51957-15		96906	3-14	1A3A1H411	MS51957-26	96906	3-4	1A1H90
MS51957-15		96906	3-14	1A3A1H412	MS51957-26	96906	3-4	1A1A1H39
MS51957-15		96906	3-14	1A3A1H413	MS51957-26	96906	3-13	1A3H356
MS51957-15		96906	3-14	1A3A1H414	MS51957-26	96906	3-13	1A3H357
MS51957-16		96906		1A2A3H242	MS51957-26	96906	3-13	1A3H358
MS51957-16		96906		1A2A3H243	MS51957-26	96906	3-13	1A3H359
MS51957-16		96906	3-3	1A1A1H50	MS51957-26	96906	3-16	H457
MS51957-16		96906	3-3	1A1A1H51	MS51957-26	96906	3-16	H458
MS51957-16		96906	3-13	1A3H437	MS51957-26	96906	3-16	H459
MS51957-16		96906	3-13	1A3H438	MS51957-26	96906	3-16	H460
MS51957-17		96906	6-5	4H29	MS51957-26	96906	3-16	H461
MS51957-17		96906	6-5	4H30	MS51957-26	96906	3-16	H462
MS51957-18		96906	3-8	1A2H253	MS51957-26	96906	3-16	H463

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE

TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION			
<u>REFERENCE NO.</u>	<u>MFG. CODE</u>	<u>FIG. NO.</u>	<u>REFERENCE DESIGNATION</u>	<u>MFG. CODE</u>	<u>FIG. NO.</u>	<u>REFERENCE DESIGNATION</u>		
MS51957-26		96906	3-16	H464	MS51957-26	96906	3-16	H496
MS51957-26		96906	3-16	H465	MS51957-26	96906	3-16	H497
MS51957-26		96906	3-16	H466	MS51957-26	96906	3-16	H498
MS51957-26		96906	3-16	H467	MS51957-27	96906		1A1H72
MS51957-26		96906	3-16	H468	MS51957-27	96906		1A1H73
MS51957-26		96906	3-16	H469	MS51957-27	96906		1A1H74
MS51957-26		96906	3-16	H470	MS51957-27	96906	3-3	1A1A1H44
MS51957-26		96906	3-16	H471	MS51957-27	96906	3-3	1A1A1H45
MS51957-26		96906	3-16	H472	MS51957-27	96906	3-3	1A1A1H46
MS51957-26		96906	3-16	H473	MS51957-27	96906	3-3	1A1A1H47
MS51957-26		96906	3-16	H474	MS51957-27	96906	3-4	1A1H103
M551957-26		96906	3-16	H475	MS51957-27	96906	3-4	1A1H104
MS51957-26		96906	3-16	H476	MS5195727	96906	3-4	1A1H105
MS51957-26		96906	3-16	H477	MS51957-27	96906	3-4	1A1H106
MS51957-26		96906	3-16	H478	MS51957-27	96906	3-4	1A1H107
MS51957-26		96906	3-16	H479	MS51957-27	96906	3-4	1A1H108
MS51957-26		96906	3-16	H480	MS51957-27	96906	3-4	1A1H109
MS51957-26		96906	3-16	H481	MS51957-27	96906	3-4	1A1H110
MS51957-26		96906	3-16	H482	MS51957-27	96906	3-4	1A1H111
MS51957-26		96906	3-16	H483	MS51957-27	96906	3-4	1AH1112
MS51957-26		96906	3-16	H484	MS51957-27	96906	3-4	1A1H113
MS51957-26		96906	3-16	H485	MS51957-27	96906	3-4	1A1H114
MS51957-26		96906	3-16	H486	MS51957-27	96906	3-4	1A1115
MS51957-26		96906	3-16	H487	MS51957-27	96906	3-4	1A1H116
MS51957-26		96906	3-16	H488	MS51957-27	96906	3-4	1A1H117
MS51957-26		96906	3-16	H489	MS51957-27	96906	3-4	1A1H118
MS51957-26		96906	3-16	H490	1S51957-27	96906	3-4	1A1119
MS51957-26		96906	3-16	H491	J551957-27	96906	3-4	1A1N120
MS51957-26		96906	3-16	H492	MS51957-27	96906	3-4	1A1H121
MS51957-26		96906	3-16	H493	MS51957-27	96906	3-4	1A1H122
MS51957-26		96906	3-16	H494	MS51957-27	96906	3-4	1A1H123
MS51957-26		96906	3-16	H495	MS51957-27	96906	3-4	1A1H124

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION		
MS51957-27	96906	3-4	1A1H125	MS51957-28	96906	1A1H66	
MS51957-27	96906	3-4	1A1H126	MS51957-28	96906	1A1H67	
MS51957-27	96906	3-8	1A2H259	MS51957-28	96906	1A2A1H270	
MS51957-27	96906	3-8	1A2H260	MS51957-28	96906	1A2A1H271	
MS51957-27	96906	3-8	1A2H261	MS51957-28	96906	1A2A1H272	
MS51957-27	96906	3-8	1A2H262	MS51957-28	96906	1A2A1H273	
MS51957-27	96906	3-13	1A3H360	MS51957-28	96906	1A2A1H274	
MS51957-27	96906	3-13	1A3H361	MS51957-28	96906	1A2A1A1H288	
MS51957-27	96906	3-13	1A3H362	MS51957-28	96906	1A2A1A1H289	
MS51957-27	96906	3-13	1A3H363	1S51957-28	96906	3-3	1A1AH400
MS51957-27	96906	3-13	1A3H364	MS51957-28	96906	3-3	1A1A1H41
MS51957-27	96906	3-13	1A3H365	MS51957-28	96906	3-3	1A1A1H42
MS51957-27	96906	3-13	1A3H366	MS51957-28	96906	3-3	1A1A1H43
MS51957-27	96906	3-13	1A3H367	MS51957-28	96906	6-5	4H31
MS51957-27	96906	3-13	1A3H431	MS51957-28	96906	6-5	4H32
MS51957-27	96906	3-13	1A3H432	MS51957-28	96906	6-5	4H33
MS51957-27	96906	3-13	1A3H433	M551957-28	96906	6-5	4H34
MS51957-27	96906	3-13	1A3H434	MS51957-29	96906		1A1H215
MS51957-27	96906	3-14	1A3A1H384	MS51957-29	96906		1A1H216
MS51957-27	96906	3-14	1A3A1H385	MS51957-29	96906		1A1H217
MS51957-27	96906	3-14	1A3A1H386	MS51957-29	96906		1A1H218
MS51957-27	96906	3-14	1A3A1H387	MS51957-29	96906	3-3	1A1A1H22
MS51957-27	96906	3-14	1A3A1H388	MS51957-29	96906	3-3	A11A1123
MS51957-27	96906	3-14	1A3A1H389	MS51957-29	96906	3-3	1A1A1H24
M551957-27	96906	3-14	1A3A1H390	MS51957-29	96906	3-3	1A1A1H25
MS51957-27	96906	3-14	1A3A1H391	MS51957-29	96906	3-3	1A1A1H26
MS51957-27	96906	6-5	4H5	MS51957-3	96906	3-3	1A1A1H31
MS51957-27	96906	6-5	4H6	MS51957-3	96906	3-3	1A1A1H32
MS51957-27	96906	6-5	4H7	MS51957-3	96906	3-3	1A1A1H33
MS51957-27	96906	6-5	4H8	MS51957-3	96906	3-16	H453
MS51957-28	96906		1A1H64	MS51957-30	96906		1A2A1H275
MS51957-28	96906		1A1H65	MS51957-30	96906		1A2A1H276

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE

TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER		FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER		FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION	MFG. REFERENCE NO.	FIG. CODE	REFERENCE NO.	DESIGNATION
MS51957-30		96906	1A2A1H277	MS51958-63	96906	3-4	1A1H143
MS51957-30		96906	1A2A1H278	MS51958-63	96906	3-4	1A1H144
MS51957-30		96906	1A2A1H279	MS51958-63	%906	3-4	1A1H145
MS51957-30		96906	1A2A1H280	M151958-63	96906	3-4	1AH1146
MS51957-30		96906	1A2A1H281	MS51958-63	96906	3-4	A11H147
MS51957-30		96906	1A2A1H282	MS51958-66	96906	3-7	1AH1148
MS51957-30		96906	1A2A1H283	MS51958-66	96906	3-7	1A1H149
MS51957-30		96906	1A2A1H284	MS51959-1	96906	3-4	1AH1127
MS51957-30		96906	1A2A1H285	MS51959-1	96906	3-4	1A1H128
MS51957-30		96906	1A2A1H286	M551959-1	96906	3-4	1A1H129
MS51957-31		96906	3-13 1A3H419	MS51959-1	96906	3-4	1A1H130
MS51957-31		96906	3-13 1A3H420	MS51959-12	96906	3-4	1A11H208
MS51957-31		96906	3-13 1A3H421	MS51959-12	96906	3-4	1A1H209
MS51957-31		96906	3-13 1A3H422	MS51959-13	96906	3-3	1A1A1H54
MS51957-31		96906	3-16 H528	MS51959-13	96906	3-3	1A1A1H55
MS51957-31		96906	3-16 H529	MS51959-13	96906	3-3	1A1A1H56
MS51957-31		96906	6-5 4H1	MS51959-13	96906	3-3	1A1A1H57
MS51957-31		96906	6-5 4H2	MS51959-13	96906	3-3	1A1A1H58
MS51957-31		96906	6-5 4H3	MS51959-13	96906	3-3	A11A1H59
MS51957-31		96906	6-5 4H4	MS51959-13	96906	6-5	4H17
MS51957-31		96906	6-37 1A1W1H219	MS51959-13	96906	6-5	4H18
MS51957-31		96906	6-37 1AW1H220	MS51959-13	96906	6-5	4H19
MS51957-42		96906	1A2H266	MS51959-13	96906	6-5	4H20
MS551957-42		96906	1A2H267	MS51959-14	96906	3-13	1A3H352
MS51957-42		96906	1A2H268	MS51959-14	96906	3-13	1A3H353
MS51957-42		96906	1A2H269	MS51959-15	96906		1A1A1H28
MS51957-45		96906	3-7 1A1H153	MS51959-17	96906		1A1H78
MS51957-45		96906	3-7 1A1H1154	MS51959-17	96906		1A1H79
MS51957-45		96906	3-7 1A1H155	MS51959-25	96906	3-8	1A2H300
MS51957-46		96906	3-8 1A2A1H294	MS51959-25	96906	3-8	1A2H301
MS51957-46		96906	3-8 1A2A1H295	MS51959-25	96906	3-8	1A2H302
MS51958-63		96906	3-4 1A1H142	MS51959-25	96906	3-8	1A2H303

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE

TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER				FEDERAL STOCK NUMBER			
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION	MFG. REFERENCE NO.	FIG. CODE	REFERENCE NO.	ITEM NUMBER OR REF DESIGNATION
MS51959-25		96906	3-16	H512	MS51959-28	96906	1A1H192
MS51959-25		96906	3-16	H513	MS51959-28	96906	1A1H193
MS51959-26		96906		1A3H423	MS51959-28	96906	1A1H194
MS51959-26		96906		1A3H424	MS51959-28	96906	1A1H196
MS51959-26		96906		1A3H425	MS51959-28	96906	1A1H197
MS51959-26		96906		1A3H426	MS51959-28	96906	1A1H198
MS51959-26		96906	3-4	1A1H91	MS51959-28	96906	1A1H199
MS51959-26		96906	3-4	1A1H92	MS51959-28	96906	1A1H200
MS51959-26		96906	3-4	1A1H93	M551959-28	96906	1A1H201
MS51959-26		96906	3-4	LA1H94	MS51959-28	96906	3-4 1A1H2
MS51959-26		96906	3-16	H514	MS51959-28	96906	3-4 1ALH3
MS51959-26		96906	3-16	H515	MS51959-28	96906	3-4 1A1H4
MS51959-26		96906	3-16	R516	MS51959-28	96906	3-4 A11H5
MS51959-26		96906	3-16	H517	MS51959-28	96906	3-4 1A1H6
MS51959-26		96906	3-16	H518	MS51959-28	96906	3-4 1A1H7
M551959-26		96906	3-16	H519	MS51959-7	96906	1A1A1H52
MS51959-26		96906	3-16	H520	MS51959-7	96906	1A1A1H53
MS51959-26		96906	3-16	H521	MS77073-2	96906	1A3E3
MS51959-26		96906	3-16	H522	MS90335-1	96906	3-13 1A3J3
MS51959-26		96906	3-16	H523	MS90335-1	96906	6-5 4J3
MS51959-26		%906	3-16	H524	MS91528-2F2B	%906	6-5 4MP11
MS51959-26		96906	3-16	H525	DM22T10XS2NH54	09922	6-37 1A1W1J2
MS51959-27		96906		1A2H221	M3192A20A	96906	4W1J1E1
NS51959-27		%906		1A2H222	M39019-1-19	81349	6-5 4CB1
MS51959-27		96906		1A2H223	NAS1081C04A4	80205	3-19 MP714
MS51959-27		96906		1A2H224	NAS1397R2B	80205	3-4 1AM173
MS51959-28		96906		1A11H186	NAS1397R2B	80205	3-4 1ALP174
MS51959-28		96906		1A11687	NAS1397R2B	80205	3-4 1A1MP175
MS51959-28		96906		1AH1188	NAS1397R3B	60205	1A2MP467
MS51959-28		96906		1A1H189	NAS1397R4B	80205	3-3 1A1A1MP45
MS51959-28		96906		1A1H190	NAS1397R6B	80205	1A1A1MP46
MS51959-28		96906		1A1H191	NAS1464B018-02C	80205	1A2A3MP430

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE

TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION		
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION	REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
NAS1464B018-04C		80205	1A3A1A1MP546	RC20GF102J	81349	6-26	1A2A4R5
NAS1464B032-04C		80205	1A2A5MP459	RC20GF102J	81349	6-26	1A2A4R16
NAS1464B032-04C		80205	1A2A5MP460	RC2GF103J	81349	6-22	1A2A5R51
NAS1464B034-10N		80205	1A2A6MP476	RC20GF103J	81349	6-24	1A2A3R8
NAS1464B050-04C		80205	1A2A1A1MP483	RC20GF103J	81349	6-24	1A2A3R11
NAS1464B050-04C		80205	1A2A5MP461	RC20GF103J	81349	6-24	1A2A3R17
NAS1635-01-3		80205	1AH1138	RC20GF103J	81349	6-24	1A2A3R18
NAS1635-01-3		80205	1A1R139	RC20GF103J	81349	6-24	1A2A3R19
NAS620C4		80205	1A2A1A1H293	RC20GF103J	81349	6-24	1A2A3R20
NAS820-22A		80205	1AM1P169	RC20GF103J	81349	6-24	1A3R24
NAS820-24A		80205	1A1MP170	RC20GF103J	81349	6-24	1A2A3R27
NE51H		72619	4DS1	RC20GF103J	81349	6-24	1A2A3R28
PCMB2M-1		09922	4W1-MP1	RC20GF103J	81349	6-24	1A2A3R30
PFSC3-1-2-38A		72794	1A3UP556	RC20GF103J	81349	6-24	1A2A3R33
PFSC3-1-2-38A		72794	1A31P557	RC20GF103J	81349	6-24	1A2A3R34
PFSC3-1-2-38A		72794	1A3P558	RC20GF103J	81349	6-24	1A2A3R35
PFSC3-1-2-38A		72794	1A3P559	RC20GF103J	81349	6-24	1A2A3R36
PFSC3-1-2-38A		72794	4MP16	RC20GF103J	81349	6-24	1A2A3R37
PFSC3-1-2-38A		72794	4MP17	RC20GF103J	81349	6-24	1A2A3R38
PFSC3-1-2-38A		72794	4MP18	RC20GF103J	81349	6-26	1A2A4R4
PFSC3-1-2-38A		72794	4MP19	RC20GF103J	81349	6-26	1A2A4R7
PSP2497A1578		72314	1AU1P395	RC20GF103J	81349	6-26	1A2A4R17
PSP2497A1750		72314	1AUP196	RC20GF103J	81349	6-31	1A3A1A1R7
PSP5009A1625		72314	1A1MP261	RC20GF103J	81349	6-31	1A3A1A1R10
PSP5009A1625		72314	A1UP262	RC20GF152J	81349	6-22	1A2A5R7
PSP5009A1938		72314	1AMP263	RC20GF152J	81349	6-22	1A2A5R12
PSP87182000		72314	1A1A1MP89	RC20GF152J	81349	6-22	1A2A5R33
RC20CE202J		72314	1A2A1A1R8	RC20CF152J	81349	6-24	1A2A3R1
RC20GF100J		81349	1A2A5R47	RC20GF152J	81349	6-26	1A2A4R24
RC20GF100J		81349	1A2A5R48	RC20GF202J	81349	6-22	1A2ASR41
RC20GF100J		81349	1A2A4R23	RC20GF202J	81349	6-24	1A2A3R39
RC20GF102J		81349	1A2A3R16	RC20GF202J	81349	6-31	1A3AA1R9

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TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER		ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER		ITEM NUMBER OR REF DESIGNATION
	MFG. CODE	FIG. NO.			MFG. CODE	FIG. NO.	
<u>REFERENCE NO.</u>	<u>CODE NO.</u>	<u>DESIGNATION</u>		<u>REFERENCE NO.</u>	<u>CODE</u>	<u>NO.</u>	<u>DESIGNATION</u>
RC20GF221J	81349	6-24	1A2A3R5	RC20GF511J	81349	6-31	1A3AKA1R4
RC20GF221J	81349	6-24	1A2A3R12	RC20GF512J	81349	6-31	1A3AUAR5
RC20GF221J	81349	6-26	LA2A4R20	RC20GF513J	81349	6-26	1A2A4R9
RC20GF221J	81349	6-26	1A2A4R38	RC20GF514J	81349	6-24	1A2A3R6
RC20GF222J	81349	6-24	1A2A3R2	RC20GF514J	81349	6-24	1A2A3R31
RC20GF222J	81349	6-24	1A2A3R10	RC20GF561J	81349	6-31	1A3A1A1R6
RC20GF222J	81349	6-24	1A2A3R29	RC20GF562J	81349	6-26	1A2A4R28
RC20GF222J	81349	6-26	1A2A4R30	RC32GF102J	81349	6-26	1A2A4R3
RC20GF222J	81349	6-26	1A2A4R31	RC32GF192J	81349	6-22	1A2A5R37
RC20GF222J	81349	6-26	1A2A4R32	RC32GF192J	81349	6-22	1A2A5R38
RC20GF223J	81349		4A1R19	RC32GF192J	81349	6-22	1A2A5R39
RC20GF223J	81349	6-24	1A2A3R7	RC32GF192J	81349	6-22	1A2ASR40
RC20GF223J	81349	6-24	1A2A3R15	RC32GF221J	81349	6-26	1A2A4R19
RC20GF223J	81349	6-24	1A2A3R32	RC32GF222J	81349		1A1A3B1R1
RC20GF223J	81349	6-26	1A2A4R18	RC32GF470J	81349	6-24	1A2A3R26
RC20GF243J	81349	6-24	1A2A3R13	RC42GF302J	81349	6-31	1A3A1A1R1
RC20GF271J	81349	6-26	1A2A4R13	RC42GF391J	81349	6-22	1A2ASR1
RC20GF272J	81349	6-26	1A2A14R40	RC42GF471J	81349	6-22	1A2A5R20
RC20GF272J	81349	6-26	1A2A4R41	RJ228P503	81349	6-24	1A2A3R22
RC20GF272J	81349	6-26	1A2A4R42	RN60C1000F	81349	6-22	1A2A5R17
RC20GF303J	81349	6-24	1A2A3R44	RN60C1000F	81349	6-26	1A2A4R15
RC20GF330J	81349	6-24	1A2A3R42	RN60C1001D	81349	6-22	1A2A51R50
RC20GF333J	81349	6-24	1A2A3R3	RN60C1003F	81349	6-22	1A2A5R9
RC20GF363J	81349	6-24	1A2A3R45	RN60C1003F	81349	6-22	1A2A5R18
RC20GF392J	81349	6-26	1A2A4R6	RN60C1003F	81349	6-22	1A2A5R29
RC20GF471J	81349	6-31	1A3A1A1R3	RN60C1003F	81349	6-22	1A2A5R30
RC20GF472J	81349	6-24	1A2A3R14	RN60C1103F	81349	6-22	1A2A5R42
RC20GF472J	81349	6-26	1A2A4R8	RN60C1020F	81349	6-26	1A2A4R15
RC20GF472J	81349	6-26	1A2A4R29	RN60C10022D	81349	6-26	1A2A4R1
RC20GF472J	81349	6-26	1A2A4R39	RN60C1022D	81349	6-26	1A2A4R2
RC20GF510J	81349	6-31	1A3A1A1R2	RN60C1050F	81349	6-26	1A2A4R15
RC20GF511J	81349	6-24	1A2A3R23	RN60C1101F	81349	6-22	1A2A5R43

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TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	
<u>REFERENCE NO.</u>	<u>MFG. CODE</u> <u>FIG. NO.</u>	<u>REFERENCE DESIGNATION</u>	<u>REFERENCE NO.</u>	<u>MFG. CODE</u> <u>FIG. NO.</u>	<u>REFERENCE DESIGNATION</u>	
RN60C1211F	81349	6-24	1A2A3R4	RN60C3012F	81349 6-22	1A2A5R16
RN60C1211F	81349	6-26	1A2A4R27	RN60C4021F	81349 6-22	1A2A5R32
RN60C1240F	81349		4A1R14	RN60C4021F	81349 6-22	1A2A5R35
RN60C1302F	81349	6-26	1A2A4R22	RN60C4640D	81349 3-12	1A2A1A1R7
RN60C1332F	81349	6-26	1A2A4R22	RN60C4992F	81349 6-22	A2A5R4
RN60C1372F	81349	6-26	1A2A4R22	RN60C4992F	81349 6-22	1A2A5R10
RN60C1372F	81349	6-26	LA2A4R35	RN600C5110F	81349 6-22	1A2A5R34
RN60C1402F	81349	6-26	1A2A4R22	RN60C57R6F	81349 3-12	1A2A1A1R1
RN60C1402F	81349	6-26	1A2A4R35	RN60C5902F	81349 6-26	1A2A4R33
RN60C1432F	81349	6-26	1A2A4R22	RN60C60R4F	81349 3-12	1A2AR5
RN60C1432F	81349	6-26	1A2A4R35	RN60C6041D	81349 6-22	1A2A5R49
RN60C1472F	81349	6-26	1A2A4R35	RN60C6190F	81349 6-26	A2A4R14
RN60C1502F	81349	6-26	1A2A4R35	RN60C6810F	81349 6-26	1A2A4R36
RN60C1542F	81349	6-26	1A2A4R25	RN60C6811F	81349 6-22	1A2A5R2
RN60C1542F	81349	6-26	1A2A4R35	RN60C7322F	81349 6-26	1A2A4R37
RN60C1580F	81349	6-22	1A2A5R3	RN60C7322F	81349 6-30	1A1A4R2
RN60C1620F	81349	6-22	1A2A5R3	RN60C88R7F	81349	4A1R18
RN60C1650F	81349	6-22	1A2A5R3	RN60C88R7F	81349 3-12	1A21A1R6
RN60C2002F	81349	6-26	1A2A4R26	RN60C97R6F	81349 6-26	1A2A4R15
RN60C2003D	81349	6-26	1A2A4R12	RN60C9761F	81349 6-24	1A2A3R9
RN60C2003F	81349	6-26	1A2A4R21	RN60C9761F	81349 6-30	1A1A4R3
RN60C2102F	81349	6-22	1A2A5R45	RN60D21R5F	81349	4A1R17
RN60C2212F	81349	6-22	1A2A5R46	RN60D28R7F	81349 3-12	1A2A1A1R3
RN60C2212F	81349	6-24	1A2A3R21	RN60D20R7F	81349 3-12	A21A1R4
RN60C2212F	81349	6-26	1A2A4R34	RN60D30R1F	81349	4A1R16
RN60C2322F	81349	6-26	1A2A4R34	RN60D31R6F	81349 3-12	1A2A1A1R2
RN60C2432F	81349	6-26	1A2A4R34	RN60D37R4F	81349	4A1R15
RN60C2552F	81349	6-26	1A2A4R34	RN60D5363F	81349 6-26	1A2A4R10
RN60C2672F	81349	6-26	1A2A4R34	RN60D5493F	81349 6-26	1A2A4R10
RN60C2802F	81349	6-22	1A2A5R1	RN60D5623F	81349 6-26	1A2A4R10
RN60C2802F	81349	6-26	1A2A4R34	RN65C5233D	81349 6-26	1A2A4R11
RN60C2942F	81349	6-26	1A2A4R34	RN70C2870F	81349	4A1R12

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TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
<u>REFERENCE NO.</u>	<u>MFG. FIG. CODE NO.</u>	<u>REFERENCE DESIGNATION</u>	<u>REFERENCE NO.</u>	<u>MFG. FIG. CODE NO.</u>	<u>REFERENCE DESIGNATION</u>
RN70C3240F	81349	4A1R9	RY4YY4B3P12	81349	6-26 1A2A4K3
RN70C4020F	81349	4A1R7	RY4YY4B3P12	81349	6-24
1A2A3K1					
RN70C4020F	81349	4A1R10	RZ23	59730	6-38 1AW11E31
RN70C4020F	81349	4A1R11	R4	92830	4-121A1A3B1MP256
RN70C4120F	81349	4A1R13	SE180E01	81349	1A1E1
RN70C4640F	81349	4A1R8	SE180E01	81349	1A1E2
RT22C2P101	81349	6-24 1A2A3R25	SFR1445PPK25	83086	3-3 1A1A1MP12
RT22C2P102	81349	4A1R4	SFR1445PPK25	83086	3-3 1AA1MP13
RT22C2P102	81349	6-22 1A2ASR8	SFR1445PPK25	83086	3-3 1A1A1MP14
RT22C2P202	81349	6-22 1A2A5R14	SFR1445PPK25	83086	3-3 1A1A1MP15
RT22C2P202	81349	6-22 1A2ASR15	SFR144KFPK25	83086	3-4 1A1MP130
RT22C2P202	81349	6-22 1A2A5R21	SFR144KPPK25	83086	3-4 1A1MP131
RT22C2P203	81349	1A1A4R1	SFR1555PPK25	83086	3-3 1A1A1MP16
RT22C2P501	81349	6-22 1A2A5R13	SFR1555PPK25	83086	3-3 1A1A1MP17
RW67V222	81349	4A1R2	SFR1563PPK25	83086	3-4 1A1MP132
RW68V2R7	81349	3-9 1A2A6R1	SFR1563PPK25	83086	3-4 1A1MP133
RW68V300	81349	3-10 1A2A2R1	SFR1563PPK25	83086	3-4 1A1MP134
RW68V300	81349	3-10 1A2A2R2	SFR1563PPK25	83086	3-4 1A1P135
RW68V300	81349	3-10 1A2A2R3	SFR1563PPK25	83086	3-4 1A1MP344
RW68V300	81349	3-10 1A2A2R4	SFR1563PPK25	83086	3-4 1A1MP345
RW69V100	81349	6-32 1A2A2A1R5	SFR1663UM(25	83086	3-3 1A1A1MP18
RW69VR27	81349	3-9 1A2A6R2	SFR1663MMK25	83086	3-3 1A1A1MP19
RW69VR27	81349	6-24 1A2A3R43	SFR1683MK25	83086	3-16 MP702
RW69V2R0	81349	6-24 1A2A3R41	SFR1683MMX25	83086	3-16 MP703
RW69V251	81349	6-24 1A2A3R40	SFR1683UMK25	83086	3-19 MP761
RW69V510	81349	4A1R20	SFR1683MK25	83086	3-19 MP762
RW69V510	81349	6-31 1A3A1A1R8	SFR1683MMR25	83086	3-19 MP763
RW69V561	81349	4AR1	SFR1683MN5	83086	3-19 MP764
RW70U0001F	81349	4A1R6	SFR1883K25	83086	MP787
RW74U9091F	81349	4A1R3	SFR1883UM5	83086	MP798
RY4YY4B3P12	81349	6-26 1A2A4K1	SFR1883MMK25	83086	3-4 1A1MP136
RY4YY4B3P12	81349	6-26 1A2A4K2	SFR1883MMK25	83086	3-4 1A1MP137

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TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
<u>REFERENCE NO.</u>	<u>MFG. CODE</u>	<u>FIG. NO.</u> <u>REFERENCE DESIGNATION</u>	<u>REFERENCE NO.</u>	<u>MFG. CODE</u>	<u>FIG. NO.</u> <u>REFERENCE DESIGNATION</u>
SFR18831RC25	83086	3-4 11ALP138	S093TF031H250	72314	1A2A5H248
SFR188325	83086	3-4 1AM1P139	S093TF031H250	72314	1A2A5H249
SFR1883R25	83806	3-4 1A1MP140	S125SP31F250	72314	3-3 1A1AMP123
SFR1883M1g25	83806	3-4 1A1MP141	S126SP003A187	72314	1A1A1MP39
SFR188-3WK25	83806	3-4 1A1MP142	S126SP003A187	72314	1A1AUMP40
SFR1883UMR25	83806	3-4 1A1MP143	S128SP031F437	72314	3-17 MP698
SFR188315	83806	3-4 1A1MP144	S190SP10BH437	72314	3-16 MP758
SFR1883Mf25	83806	3-4 1ALMP145	S250AB200H312	72314	3-19 MP712
SFR18831E25	83806	3-16 MP571	S250AB250H312	72314	3-19 UP713
SFR18838a5	83806	3-16 MP572	S250SP048F437	72314	3-3 1A1A11P111
SFR188325	83806	3-16 MP573	04-0302-284	12881	3-8 1A2A1MP498
SFR18831K25	83806	3-16 MP574	1N1614	81349	3-7 1A1CR2
snR1883M25	83806	3-16 MP575	1N1614	81349	3-9 A2A6CR1
SFR1885PPK25	83806	3-4 1A1MP146	1N1614	81349	3-9 1A2A6CR2
SFR35PPK25	83806	3-4 1A1MP147	1N16U4	81349	3-9 1A2A6CR3
SFR63PPDK25	83806	3-4 1A1MP152	N11614	81349	3-9 1A2A6CR4
SFR63PPDK25	83806	3-4 1A1MP153	1N2979B	81349	3-10 1A2A2VR1
SFR65PPDK25	83806	3-4 1A1MP148	1N2979B	81349	3-10 12A2VR2
SFR65PPDK25	83806	3-4 1A1MP149	1N2985B	81349	3-14 1A3A1VR3
SFR65PPDK25	83806	3-4 1A1MP154	1N3015RB	81349	3-9 112A6YR1
SR13F476KY	83806	1A2A4C4	1N3016B	81349	4A1VR1
SF144PPK25	83806	1 1A1A1MP33	1N3611	81349	A1CR1
SR144PPK25	83806	3-3 1A1A1MP20	N3611	81349	1A1A3CR3
SR1665PPK25	83806	3-3 1A1A1MP21	1N3611	81349	6-32 1A2A2A1CR1
SR1665PPK25	83806	3-3 1A1A1MP22	1N3611	81349	6-32 1A2A1CR2
SR1683MUK25	83806	MP741	1N3611	81349	6-32 1A2A2A1CR3
SR1683MM25	83806	MP742	1N3611	81349	6-32 1A2AA1CR4
SR1683MK25	83806	3-16 MP732	1N3611	81349	6-32 12'A2A1CR5
SR16831K25	83806	3-16 MP733	1N3611	81349	6-32 1A2A2A1CR6
SR2-5PPK25	83806	1A1A1UP34	1N3611	81349	6-22 1A2A5CR1
SR43MM	83806	4-14 1A1A3B1MP232	1N3611	81349	6-22 1A2A5CR2
SR43MM	83806	4-14 1A1A3B1MP233	1N3611	81349	6-22 1A2A5CR3

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE

TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER		ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER		ITEM NUMBER OR REF DESIGNATION
	MFG. CODE	FIG. NO.			MFG. CODE	FIG. NO.	
REFERENCE NO.	CODE NO.	DESIGNATION	REFERENCE NO.	CODE	NO.	DESIGNATION	
1N3611	81349	6-22	1A2ASCR4	1N752A	81349	6-26	1A2A4VR1
1N3611	81349	6-24	1A2A3CR1	1N752A	81349	6-26	1A2A4VR5
1N3611	81349	6-24	1A2A3CR2	1N753A	81349		1A3A1A1VR
1N3611	81349	6-24	1A2A3CR3	1N753A	81349	6-22	1A2A5VR3
1N3611	81349	6-24	1A2A3CR4	1N964B	81349		1A3A1A1VR2
1N361 1	81349	6-24	1A2A3CR5	10-499	12881	3-13	1A3MP554
1N3611	81349	6-26	1A2A4CR1	10-499	12881	3-13	1A3MP555
1N3611	81349	6-26	1A2A4CR2	10-499	12881	6-5	4MP15
1N3611	81349	6-26	1A2A4CR3	10026DAP	07047		1A2A3MP437
1N3611	81349	6-26	1A2A4CR4	10026DAP	07047		1A2A31P438
1N3611	81349	6-26	1A2A4CR5	10026DAP	07047	1	1A2A3UP439
1N3611	81349	6-26	1A2A4CR6	10026DAP	07047		1A2A3MP440
1N3611	81349	6-26	1A2A4CR7	10026DAP	07047		1A2A3nP441
1N3611	81349	6-26	1A2A4CR8	10026DAP	07047		1A2A3MP442
1N3611	81349	6-31	1A3A1A1CR1	10026DAP	07047		1A2A3P443
1N3611	81349	6-31	1A3A1A1CR2	10026DAP	07047		1A2A13W444
1N3611	81349	6-31	1A3A1A1CR3	10026DAP	07047		1A2A31P445
1N3611	81349	6-31	1A3A1A1CR4	10026DAP	07047		1A2A3MP446
1N3612	81349		4A1CR1	10026DAP	07047		1A2A4MP454
1N3612	81349		4A1CR2	10026DAP	07047		1A2A4MP455
1N3612	81349		4A1CR3	10026DAP	07047		1A2A4MP456
1N3612	81349		4A1CR4	10026DAP	07047		1A2A4MP457
1N3612	81349		4A1CR5	10026DAP	07047		1A3A1A1MP547
1N4063A	81349	6-26	1A2A4VR2	10043DAP	07047		1A3A1AA1P548
1N750A	81349	6-22	1A2ASVR2	10050DAP	07047		1A2A4MP453
1N751A	81349	6-24	1A2A3VR1	10104	07047		1A2A3MP447
1N751A	81349	6-26	1A2A4VR3	10105	07047		1A2A4MNP450
1N751A	81349	6-26	1A2A4VR4	10105	07047		1A2A4MP451
1N752A	81349	6-22	1A2A5VR1	10105	07047		1A2A4P452
1N752A	81349	6-22	1A2A5VR4	10105	07047		1A2A3MP432
1N752A	81349	6-22	1A2AsVR5	10191DAP	07047		1A2A3MP448
1N752A	81349	6-22	1A2ASVR6	10615	10581		4A1T1

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE

TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER		ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER		ITEM NUMBER OR REF DESIGNATION
	MFG. CODE	FIG. NO.			MFG. CODE	FIG. NO.	
REFERENCE NO.	CODE	NO.	DESIGNATION	REFERENCE NO.	CODE	NO.	DESIGNATION
1076-120	72314	3-4	1A1MP305	1165-113	72314	3-4	1A1MP295
1076-120	72314	3-4	1A1MP306	1165-113	72314	3-4	1A1MP296
1076-120	72314	3-4	1A1MP307	1165-113	72314	3-4	1A1MP297
1076-120	72314	3-4	1A1MP308	1165-113	72314	3-4	A1MP298
1076-121	72314	3-4	1A1MP309	1177-19	72316	3-16	MP594
1076-121	72314	3-4	1A1P310	1177-19	72314	3-16	MP595
1076-121	72314	3-4	1AMP311	1193-111	72314	3-16	MP793
1076-121	72314	3-4	1A1MP312	1193-112	72314	3-16	MP606
1076B28	72314	3-10	1A1MP301	1193-113	72314	3-16	MP805
1076B28	72314	3-10	1A1MP302	1193-130	72314	3-4	1A1MP272
1076B28	72314	3-10	1A1MP303	1193-130	72314	3-4	1A1MP273
1076B28	72314	3-10	1A1MP304	1193-130	72314	3-4	1A1MP274
1093-144	72314	3-4	1A1iP400	1193-131	72314	3-4	1ALMP269
1093-144	72314	3-4	1A1MP401	1193-131	72314	3-4	1AU1P270
1093-144	72314	3-4	1A1MP402	1193-14	72314	3-4	1A1MP283
1093-144	72314	3-4	1A1MP403	1193-14	72314	3-4	1A1MP284
1093-171	72314	3-16	MP779	1193-14	72314	3-4	11AMP285
1093-4	72314	3-4	1A1MP321	1193-14	72314	3-4	1A1MP286
1093-4	72314	3-4	1A1MP322	1193-14	72314	3-4	1A1MP287
1093-4	72314	3-4	1A1MP323	1193-14	72314	3-4	1A1MP288
1093-4	72314	3-4	1A1MP324	1193-14	72314	3-4	1A1MP289
1093-4	72314	3-4	1A1MP325	1193-14	72314	3-4	11ALP290
1093-4	72314	3-4	1A1MP326	1193-145-1	72314	3-16	MP596
1093-4	72314	3-4	1A1MP327	1193-145-1	72314	3-16	MP597
1093-4	72314	3-4	1A1MP328	1193-145-2	72314	3-4	1A1MP182
11359	14140	3-13	1A3S4	1193-145-2	72314	3-16	MP602
1150-599	72314	3-13	1A3EL1	1193-15	72314	3-16	MP579
1150-621	72314	7-5	4EL1	1193-16	72314	3-16	MP568
1165-113	72314	3-4	1A1MP291	1193-2	72314	3-3	1A1A1R1
1165-113	72314	3-4	1A1P292	1193-20	72314	3-16	MP681
1165-113	72314	3-4	1ALMP293	1193-56	72314	3-4	1A1MP189
1165-113	72314	3-4	1AMFP294	1193-56	72314	3-4	1A1MP190

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER		FIGURE NUMBER		ITEM NUMBER OR REF DESIGNATION		FEDERAL STOCK NUMBER		FIGURE NUMBER		ITEM NUMBER OR REF DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION	REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION	REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
1193-618		72314	3-16	MP570	1193-6%	96	72314	3-16	MP569		
1193-618		72314	3-16	MP581	1193-696		72314	3-16	MP767		
1193-618		72314	3-16	MP769	1193-696		72314	3-16	MP768		
1193-618		72314	3-16	MP770	1193-698		72314	3-16	MP684		
1193-620-1		72314	3-16	MP601	1193-698		72314	3-16	MP685		
1193-621		72314	3-16	MP788	1193-700-1		72314	3-4	1A1MP179		
1193-627		72314	3-16	MP592	1193-700-1		72314	3-4	1A1MP180		
1193-627		72314	3-16	MP593	1193-700-2		72314	3-16	MP577		
1193-639		72314	3-16	MP737	1193-700-2		72314	3-16	MP578		
1193-640		72314	3-16	MP746	1193-700-2		72314	3-16	MP579		
1193-641		72314	3-16	MP731	1193-700-2		72314	3-16	MP580		
1193-641		72314	3-16	MP740	1193-702		72314		MP588		
1193-642		72314	3-16	MP773	1193-702		72314		MP589		
1193-642		72314	3-16	MP774	1193-715		72314	3-19	MP704		
1193-643		72314	3-16	MP671	1193-715		72314	3-19	MP705		
1193-644		72314	3-16	MP736	1193-716		72314	3-3	1A1A1MP117		
1193-655		72314	3-16	MP584	1193-717-3		72314	3-4	1A1MP167		
1193-658-2		72314	3-4	1A1MP271	1193-717-4		72314	3-4	1A1M168		
1193-660		72314	3-16	MP585	1193-718-1		72314		1A1LP369		
1193-661		72314		MP586	1193-718-1		72314	3-3	1A1A1P92		
1193-661		72314		MP587	1193-718-2		72314		1A1MP370		
1193-664		72314	3-18	MP620	1193-718-2		72314	3-3	1A1A1MP93		
1193-681-2		72314	3-16	MP738	1193-718-3		72314		1A1LMP371		
1193-681-2		72314	3-16	MP747	1193-718-3		72314	3-3	1A1A1MP94		
1193-681-2		72314	3-16	MP777	1193-718-4		72314		1A1MP372		
1193-681-2		72314	3-16	MP778	1193-n18-4		72314	3-3	1A1A1P95		
1193-682-1		72314		MP806	1193-718-5		72314		1A1A1P91		
1193-682-1		72314	3-16	MP794	1193-72		72314	3-3	1A1A1MP52		
1193-682-2		72314	3-16	MP795	1193-720-1		72314	3-3	1A1MP97		
1193-692		72314	3-16	MP745	1193-720-2		72314	3-3	1A1A1P98		
1193-693		72314	3-19	MP715	1193-720-3		72314	3-3	1A1A/MP99		
1193-696		72314		MP580	1193-720-4		72314		1A1A1P96		

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION		
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION	REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
1193-745-3		72314	3-16	MP807	12-11015-14	94222	1A3MP537
1193-745-4		72314	3-16	MP796	12-21-102-26	94222	1A3P541
1193-759		72314	3-4	A1Ps181	12-21-102-26	94222	1A3P542
1193-769		72314	3-4	1A1E4	12-21-102-26	94222	3-8 1A2MP472
1193-769		72314	3-4	LA1E3	12-21-102-26	94222	3-8 1A2MP473
1193-779		72314	3-16	MP600	12-21-102-26	94222	6-5 4MP7
1193-80		72314	3-3	1A1AMP8	12-21-102-26	94222	6-5 4MP8
1193-91		72314	3-16	MP613	12054	71785	4-14 1A1A3B1E5
1193B87		72314	3-4	1A1MP178	1214-1	72314	3-3 1A1A1MP5
1193C51			72314		MP567	1214-10	72314 33
1A1A1H8							
1193C52			72314		MP577	1214-100	72314 3-4
1A1MP166							
1193053		72314		MP604	1214-105	72314	6-26 1A2A4Q2
1193C54			72314	3-16	MP603	1214-106	72314 6-26
1A2A4AR2							
1193057		72314	3-16	MP804	1214-108	72314	3-13 1A3M1
1193058		72314	3-16	MP792	1214-11	72314	3-3 1MP26
11930C63		72314	316	MP765	1214-11	72314	3-3 1A1A1MP27
1193C63			72314	3-16	MP766	1214-111	72314 3-9
1A2A6Q1							
1193064		72314		MP759	1214-112	72314	6-22 1A2A5AR1
1193064		72314		MP760	1214-112	72314	6-22 1A2A5AR2
1193C66			72314		MP730	1214-112	72314 6-22
LA2A5AR3							
1193C67			72314		MP739	1214-112	72314 6-24
1A2A3AR1							
1193C71			72314		MP583	1214-112	72314 6-26
1A2A4AR1							
1193D64			72314		MP22	1214-113	72314 3-10
1A2A2T2							
12-11014-26		94222		1A31P543	1214-114	72314	3-10 1A2A2T2
12-11014-26		94222		1A3M544	1214-116	72314	6-24 1A2A3Q12
12-11014-26		94222		4MP10	1214-117	72314	3-13 1A3W1J4
12-11014-26		94222		1A2MP474	1214-117	72314	6-5 4W1J2
12-11014-26		94222	3-8	1A2MP475	1214-118	72314	3-3 A1A1AMP119
12-11014-26		94222	6-5	418P9	1214-119	72314	3-3 1A1MP50
12-11015-14		94222		1A2MP423	1214-120	72314	1A3A1A1MP549
12-11015-14		94222		1A2A2MP515	1214-124	72314	3-18 MP645
12-11015-14		94222		1A3MP536	1214-124	72314	3-18 MP646

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
REFERENCE NO.	MFG. CODE	FIG. NO. REFERENCE DESIGNATION REFERENCE NO.	MFG. CODE	FIG. NO. REFERENCE DESIGNATION	
1214-124	72314	3-18 MP647	1214-148	72314	3-16 MP809
1214-124	72314	3-18 NP648	1214-148	72314	3-16 MP810
1214-124	72314	3-18 MP649	1214-149	72314	3-4 1A1MP127
1214-124	72314	3-18 MP650	1214-15	72314	3-4 1A1MP348
1214-124	72314	3-18 MP651	1214-150-1	72314	1A1MP279
1214-124	72314	3-18 MP652	1214-150-2	72314	3-4 1A1MP399
1214-125	72314	3-16 MP791	1214-151	72314	3-8 1A2A1NP496
1214-125	72314	3-16 MP803	1214-152	72314	3-8 1A211P418
1214-126	72314	3-4 1A1MP343	1214-153	72314	3-8 1A2MP469
1214-127-1	72314	1A1MP373	1214-155	72314	3-18 MP633
1214-127-1	72314	3-4 1A1MP357	1214-156	72314	3-16 MP728
1214-127-2	72314	1ALMP374	1214-157	72314	3-16 H456
1214-127-2	72314	3-4 1A1MP358	1214-159	72314	3-16 MP680
1214-127-3	72314	1A1MP375	1214-16	72314	3-4 1A1MP349
1214-127-3	72314	3-4 1A1P359	1214-161	72314	3-16 MP748
1214-127-4	72314	1A1MP376	1214-162	72314	3-19 MP709
1214-127-4	72314	3-4 1A111P360	1214-164	72314	3-17 MP700
1214-127-5	72314	3-3 1A1MP377	1214-165	72314	3-18 MP622
1214-127-6	72314	3-3 1A1MP378	1214-165	72314	3-18 MP623
1214-127-7	72314	3-3 1A1MP379	1214-166	72314	3-16 MP607
1214-130	72314	3-16 MP576	1214-167	72314	3-16 MP608
1214-131	72314	3-17 MP689	1214-169	72314	3-16 MP609
1214-132	72314	3-17 MP694	1214-169	72314	3-16 MP610
1214-133	72314	3-17 MP699	1214-170	72314	3-4 1A11P397
1214-138-2	72314	3-8 1A2A1MP482	1214-171	72314	3-3 11A1MP112
1214-139	72314	3-17 MP697	1214-172	72314	3-19 MP719
1214-14	72314	3-4 1A1MP350	1214-173	72314	3-4 1A1MP186
1214-140	72314	3-16 MP799	1214-173	72314	3-4 1A1MP187
1214-142	72314	3-17 MP695	1214-174	72314	3-4 1A1MP265
1214-143	72314	3-17 MP687	1214-175	72314	3-4 1A1MP258
1214-144	72314	3-17 MP688	1214-176	72314	3-4 1A1MP390
1214-147	72314	3-16 MP679	1214-177	72314	3-16 MP724

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION			
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION	REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION	
1214-178		72314	3-16	MP726	1214-203	72314	3-12	1A2A1A1MP494
1214-178		72314	3-16	1P727	1214-204	72314		1A2A5FP466
1214-179		72314	3-16	H534	1214-205	72314	3-7	1A1MP200
1214-179		72314	3-16	H535	1214-206	72314	3-4	1A1MP264
1214-18		72314	3-4	1A1MP356	1214-207	72314	3-19	MP706
1214-180		72314	3-4	1A1MP128	1214-208	72314	3-4	1A1MP410
1214-181		72314	3-18	MP653	1214-209	72314	3-19	MP707
1214-181		72314	3-18	MP654	1214-21	72314	3-4	1A4MP405
1214-181		72314	3-18	MP655	1214-210	72314	3-16	MP564
1214-181		72314	3-18	MP656	1214-211	72314	3-16	MP565
1214-182		72314	3-18	MP657	1214-212	72314	3-16	MP566
1214-182		72314	3-18	MP658	1214-213	72314	3-4	1A11P157
1214-183		72314	3-16	MP808	1214-214	72314	3-4	1A1MP268
1214-184		72314	3-16	MP783	1214-215	72314	3-8	1A1MP500
1214-184		72314	3-16	MP784	1214-216	72314	3-4	1A1H150
1214-185		72314	3-16	MP785	1214-217-1	72314	3-4	1A1MP266
1214-188		72314		1A1AMP36	1214-217-2	72314	3-16	M1P683
1214-189		72314		1A1A1MP37	1214-217-3	72314		1A3MP540
1214-19		72314	3-4	1A1MP299	1214-217-4	72314		MP20
1214-19		72314	3-4	1A1MP300	1214-22	72314	3-4	1A1MP204
1214-190		72314	3-16	MP780	1214-220	72314	3-18	MP660
1214-191		72314	3-4	1A1MP156	1214-23	72314	3-16	MP614
1214-192		72314	3-4	1A1MP183	1214-24	72314	3-3	1A1A1MP55
1214-193		72314	3-4	1A1MP176	1214-252	72314	3-3	1ALA/MP9
1214-195		72314	3-4	1A1MP177	1214-255	72314	3-4	1A1MP185
1214-196		72314		1A1W1MP413	1214-256	72314	6-31	1A3A1A1T1
1214-196		72314		1A1W1MP414	1214-26	72314	3-3	11A1MP10
1214-197		72314	3-9	1A2A6P478	1214-272	72314	3-3	1A1A1MP115
1214-198		72314		1A1MP404	1214-273	72314	3-3	1A1A1MP100
1214-20		72314	3-4	1A1MP282	1214-274	72314	3-9	1A2MP415
1214-200		72314		1A2A3MP449	1214-274	72314	3-9	1A2MP416
1214-201		7234		1A2A4MP458	1214-276	72314	3-12	1A2A1MP491

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
1214-276	72314	3-12 1A2A1A1MP492	1214-313	72314	1A2H233
1214-279	72314	3-4 1A1MP329	1214-313	72314	1A2H2 34
1214-28	72314	3-3 1A1A1MP88	1214-313	72314	1A2H235
1214-280	72314	6-22 1A2A5T	1214-313	72314	1A2H236
1214-281	72314	3-4 1A1MP151	1214-313	72314	1A2H237
1214-284	72314	3-19 MP708	1214-313	72314	1A2H238
1214-287	72314	3-18 MP629	1214-314	72314 3-12	1A2A1A1P488
1214-288	72314	3-18 MP630	1214-315	72314 3-12	1A2AA1MP489
1214-289	72314	3-18 MP634	1214-316	72314 3-12	1A2A1A1MP490
124-290	72314	3-18 MP632	1214-319	72314 3-19	MP710
1214-29	72314	3-4 1A2MP346	1214-319	72314 3-19	MP711
1214-291	72314	3-18 MP616	1214-320	72314	1A1A4MP171
1214-293	72314	3-18 "P661	1214-322	72314 3-8	1A2MP501
1214-295	72314	3-3 1A1A1MP14	1214-326	72314 3-4	1AMP362
1214-296	72314	3-10 1A2A2UP503	1214-327	72314 3-4	1A1MP126
1214-298	72314	3-10 1A2A2MP504	1214-328	72314 3-16	MP611
1214-298	72314	3-10 1A2A2MP511	1214-329	72314 3-16	MP612
1214-298	72314	3-10 1A2A2MP512	1214-345	72314 3-4	1A1MP381
1214-3	72314	3-4 A1MP2	1214-345	72314 3-4	1A1MP382
1214-30	72314	3-7 1A1MP212	1214-347	72314 3-4	1A1H204
1214-300	72314	3-10 1A2A2MP506	1214-347	72314 3-4	1A1H205
1214-301	72314	MP582	1214-347	72314 3-4	L1AH206
1214-302	72314	3-16 MP682	1214-347	72314 3-4	1A1H207
1214-303	72314	3-16 YP599	1214-348	72314 3-10	1A12A2P505
1214-311	72314	3-7 1A1MP211	1214-349	72314 3-3	1A1A1MP65
1214-312	72314	3-12 1A2A1AMP493	1214-35	72314 3-4	1A1LP202
1214-313	72314	1A2H227	1214-350	72314 3-3	1ALA11118
1214-313	72314	1A2H228	1214-351	72314 3-3	1A1A1MP90
1214-313	72314	1A2H229	1214-352	72314	1A1MP353
1214-313	72314	1A2H230	1214-354	72314 3-3	MP113
1214-313	72314	1A2H231	1214-356	72314 3-14	1A3A1P545
1214-313	72314	1A2H232	1214-357	72314 3-10	1A2A2MP516

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
REFERENCE NO.	MFG. CODE	FIG. NO. REFERENCE DESIGNATION REFERENCE NO.	MFG. CODE	FIG. NO. REFERENCE DESIGNATION	
1214-357	72314	3-10 1A2A21P517	1214-418	72314	3-3 1A1AV1
1214-361	72314	1A21P470	1214-48	72314	3-3 1A1A11P87
1214-361	72314	1A2MP471	1214-49	72314	3-3 1A1A/%185
1214-362	72314	3-4 1A11P203	1214-5	72314	3-4 A1P360
1214-363	72314	6-24 1A2A3Q13	1214-5	72314	3-4 1A1MP361
1214-367	73214	3-18 MP624	1214-50	72314	3-3 1A1A1MP11
1214-367	72314	3-18 MP625	1214-51	72314	3-3 1A1AP63
1214-367	72314	3-18 MP626	1214-53	72314	1A1A1P53
1214-367	72314	3-18 MP627	1214-53	72314	1A1A1MP54
1214-369	72314	6-26 1A2A4C3	1214-55	72314	1A1A/MP116
1214-37	72314	3-3 1A1AP66	1214-56	72314	3-3 1A'A1MP58
1214-376	72314	7-5 4MP12	1214-57	72314	3-3 1A1A1MP31
1214-378	72314	7-5 4MP14	1214-58	72314	3-3 1A1A1MP67
1214-379	72314	3-3 1A1A1MP6	1214-6	72314	3-4 1A1MP408
1214-38	72314	3-4 1A1P188	1214-6	72314	3-4 1A1UP409
1214 380	72314	3-4 1A1AMP66	1214-60	72314	3-3 11k1MP144
1214-381	72314	7-5 4MP6	1214-61	72314	3-3 11A1MP120
1214-39	72314	3-18 MP617	1214-62-1	72314	3-3 A1A1MP102
1214-394	72314	4A1Q1	1214-62-2	72314	3-3 1A1A1MP103
1214-394	72314	4AQ2	1214-62-3	72314	3-3 1A111P104
1214-397	72314	1A2A5MP462	1214-62-4	72314	3-3 1A1A11P105
1214-397	72314	1A2A5MP463	1214-62-5	72314	1A1A1MP101
1214-398	72314	3-3 1A1A1V1	1214-63-1	72314	3-3 1A1AP107
1214-399	72314	1A2A2MP507	124-63-2	72314	3-3 1A1A1UP108
1214-399	72314	1A2A2MP508	1214-63-3	72314	3-3 1A 109
1214-4	72314	3-4 1A11P3	1214-63-4	72314	3-3 1A1A1MP110
1214-40	72314	3-18 MP618	1214-63-5	72314	1A1MP106
1214-400	72314	1A2A2MP518	1214-64	72314	3-3 1AA1MP121
1214-400	72314	1A2A2MP519	1214-65	72314	3-3 1A1A1MP122
1214-401	72314	1A2A2MP520	1214-66	72314	1A1AW35
1214-401	72314	1A2A2MP521	1214-67	72314	3-3 1A1MP24
1214-409	72314	MP729	1214-67	72314	3-3 1A1A1MP25

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION
REFERENCE NO.	MFG. CODE	FIG. NO. REFERENCE DESIGNATION	REFERENCE NO.	MFG. CODE	FIG. NO. REFERENCE DESIGNATION
1214-69	72314	3-3 1A1A1MP7	1214B20	72314	1AA1MP84
1214-73	72314	1A1A3P215	1214B23	72314	1A1MP191
1214-74	72314	1A1A3P216	1214B24	72314	1A1MP391
1214-76	72314	3-7 1A1MP198	1214B25	72314	1A1MP384
1214-78	72314	3-4 1A1MP385	1214B28	72314	3-4 1A1A2
1214-8	72314	3-3 1A1A1MP51	1214B3	72314	1A1MP281
1214-81	72314	3-4 1A1MP193	124B30	72314	3-4 1A1MP342
1214-82	72314	3-4 1A1MP277	1214MB31	72314	3-4 1A1MP389
1214-84	72314	3-4 1A1P158	1214B32	72314	3-4 1A1MP213
1214-85	72314	3-4 1A11P392	1214B33	72314	3-4 1A1L1
1214-86	72314	3-4 1A1P162	1214B34	72314	3-3 1A1A1MP41
1214-88	72314	3-13 1A3MP551	121B35	72314	3-3 1A1A1MP32
1214-89	72314	3-13 1A3MP553	1214B36	72314	1A1A1MP28
1214-90	72314	3-13 1A3P523	1214B37	72314	3-4 1A1W1
1214-91	72314	3-13 1A3MP539	1214B38	72314	3-3 1A1A1W1
1214-93	72314	3-7 1A1G1	1214B39	72314	1A1MP267
1214-95	72314	A1L1L1	1214B4	72314	1A1MP201
1214-96	72314	3-4 1A1S1	1214B40	72314	1A1MP184
1214-97	72314	3-4 1A1MP406	1214B41	72314	3-7 1A1A
1214-98	72314	3-18 MP619	1214B42	72314	3-3 1A1AMP42
1214-99	72314	3-4 1A1MP388	1214B42	72314	3-3 1A1A1MP43
1214B1	72314	1A1	1214B43	72314	1A1W2
1214B10	72314	3-7 1A1A3MP214	1214B6	72314	3-4 1A1MP50
1214B11	72314	3-7 1A1MP197	1214B7	72314	1A1MP155
1214B12	72314	3-4 1A1MP192	1214B5	72314	3-4 1AA1
1214B13	72314	7-37 1A1MP276	1214B8	72314	1A1MP396
1214B14	72314	3-4 A11MP275	12MB9	72314	3-4 1A1MP383
121B15	72314	3-4 1A1A3	1214C1	72314	MP562
1214B17	72314	3-3 1A1A1MP23	1214C10	72314	MP723
1214B18	72314	3-3 1A1A1MP64	1214C11	7231M	MP628
1214B19	72314	3-3 1A1A1MP29	1214C12-1	72314	MP590
1214B2	72314	11MP347	1214C12-1	72314	MP591

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION		
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION	REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
1214C13		72314	MP598	1214D6		72314	1A2
1214C2		72314	MP786	1214M7		72314	1A3MP552
1214C3		72314	3-16 MP797	1214D8		72314	3-8 11A2AA1
1214C6		72314	3-16 MP701	1214D9		72314	38 1A2A2
1214C7		72314	3-16 YP615	1282-1		71279	3-8 1A2A1MP495
1214C8		72314	3-16 MP686	17B7-3		18915	1A2MP429
1214D1		72314	1A3	17B7-3		18915	1A2MP425
1214D100		72314	3-8 1A2A3	17B7-3		18915	1A2MP426
1214D11		72314	3-8 1A2A4	17B7-3		18915	1A2MP427
1214D12		72314	3-8 1A2A6	17B7-3		18915	1A21P428
1214D13		72314	1A2A1	17B7-3		18915	1A2MP429
1214D14		72314	1A2MP468	2N1016B		81349	3-14 1A3A1Q3
1214D15		72314	1A2MP417	2N1485		81349	3-14 1A3A1Q2
1214D17		72314	3-8 1A2A5	2N1485		81349	3-14 1A3A1Q4
1214D19		72314	1A3A1	2N1485		81349	6-24 1A2A3Q3
1214D20		72314	3-8 13A1P550	2N1890		81349	6-22 1A2ASQ1
1214D21		72314	1A2A2A1MP509	2N1890		81349	6-22 1A2A5Q2
1214D23		72314	1A2A2MP502	2N2222		81349	6-24 1A2A3Q1
1214D26		72314	1A3W1	2N2222		81349	6-24 1A2A3Q2
1214D28		72314	3-10 1A2A6W	2N2222		81349	6-24 1A2A3Q4
1214D29		72314	3-10 A2A2A1	2N2222		81349	6-24 1A2A3Q5
1214D3		72314	1A3MP522	2N2222		81349	6-24 1A2A3Q6
1214D30		72314	1A2A2W1	2N2222		81349	6-24 1A2A3Q11
1214D33		72314	4	2N2222		81349	6-26 1A2A4Q3
1214D34		72314	4MP13	2N2222A		81349	6-24 1A2A3Q10
1214D36		72314	4MP5	2N2222A		81349	6-26 1A2A4Q1
1214D37		72314	6-5 4A1	2N2222A		81349	6-26 1A2A4Q4
1214D4		72314	3-13 1A3A1A1	2N2222A		81349	6-31 1A3A1A4Q1
1214D40		72314	6-5 41P1	2N2907		81349	6-24 1A2A3Q7
1214D41		72314	4W1	2N2907		81349	6-24 1A2A3Q8
1214D44		72314	4W1MP2	2N2907		81349	6-24 1A2A3Q9
1214D5		72314	1A3P538	25TB5		81349	3-4 1A1TB1

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION			
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION	REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION	
3-16-6		95987	3-10	ZA2A2PS510	600-121DD2 6GDF50	95238	3-12	1A2ALA1J6
30120-3AB		71286	3-16	MP662	600-121DD2 6GDF50	75238	3-12	1A2A1AJ7
30120-3AB		71286	3-16	MP663	600-303PCGD150	95238	3-8	1A2A6W1P8
30L20-3AB		71286	3-16	MP664	780-122	72314	3-3	1A1A1uP57
30120-3AB		71286	3-16	MP665	780-33	72314	3-3	1A1A1MP56
30120-3AB		71286	3-16	MP666	808W8	72314	4-14	1A1A3B1MP249
30L20-3AB		71286	3-16	MP667	808-128	72314	4-14	1A1A3B1MP245
30L20-3AB		71286	3-16	MP668	808-128	72314	4-14	1A1A3G1MP246
30120-3AB		71286	3-16	MP669	808-13	72314		1AA3B1MP223
30102X1- 4XT4N10		61463	3-4	1A1MP124	808-13	72314		1A1A3B1MP224
30102X3- 4XT4N10		61463	3-16	MP563	808-13	72314		1A1A3B1MP225
30105X1- 11AA3BAMP226 4XT4N10		61463	3-4	1A1MP125	808-13	72314		A1A3BL1P227
4026-3		71279		1A2A6E1	808-13	72314		1A1A3B1MP228
4026-3		71279		1A2A6E2	808-13	72314		1A1A3BMP229
4026-3		71279		1A2A6E3	808-13	72314		1A1A3BMP230
4026-3		71279		1A2A6E4	808-13	72314		1AA3B1MP231
42-483		12881	3-8	1A2A1MP497	808-148	72314	4-12	1A1A3B1MP238
42-483		12881	3-13	1A3MP560	808-150	72314	4-1	1A1A3B1MP240
42-488		12881	3-8	1A2A1LP499	808-154	72314	4-12	1A1A3B1MP254
42-488		12881	3-13	1A3MP561	808-19	72314	4-14	1AMA3B1P247
42-488		12881	7-5	4MP21	808-19	72314	4-14	1A3B1MP248
4327		00141	3-16	H526	808-26- 808-36	72314	4-14	1A1A3B1MP236
4327		00141	3-16	H527		72314	4-14	1A1A3B1MP237
44S30-01 -1-12N		81073	6-5	4S2	808-44	72314	4-14	1AUA3B1MP252
532-557		72314		1A1A3B1E1	808-44	72314	4-14	1A1A3B1YP253
532-557		72314		1A1A3B12	808-56	72314	4-14	1A1A3B11P250
532-708		72314	4-12	1AA3B1MP255	808-56	72314	4-14	1A1A3B1MP251
600-121DD2 6GDF50		95238	3-12	1A2A1A1J4	808G001	72314	3-7	1A1A3B1
600-121DD2 6GDF50		95238	3-12	11AA1A1J5	808GG15	72314		1A1A3B/1P219
ANSEL-MA Form 1 Oct 71	6069			(Replaces AMSEL-ME 6069)	808GG19	72314	4-14	LA1A3B1UP217

**SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE
TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)**

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF DESIGNATION		
<u>REFERENCE NO.</u>	<u>MFG. CODE</u>	<u>FIG. NO.</u>	<u>REFERENCE DESIGNATION</u>	<u>REFERENCE NO.</u>	<u>MFG. CODE</u>	<u>FIG. NO.</u>	<u>REFERENCE DESIGNATION</u>
808GG2		72314	4-14	1AA3B111P239			
808K14		72314	4-14	11uA3B11P234			
80814		72314	4-14	1A1A3B11P235			
o08o10		72314		1A1A3B11P243			
808110		72314		1A1A3B1NP244			
80o813		72314		1A1A3AB1P241			
808W13		72314		11AA3B11P242			
808116		72314		1A1A3B1MP218			
8131-100-651-474Y	16512	6-22	LA2A5C3				
8131-100-651-474M	16512	6-22	U2A5C7				
8131-100-651-474A	16512	6-26	1A2A4C8				

**SECTION v INDEX-REFERENCE DESIGNATION
CROSS REFERENCE TO PAGE NUMBER**

REFERENCE DESIGNATION	PAGE NUMBER	REFERENCE DESIGNATION	PAGE NUMBER	REFERENCE DESIGNATION	PAGE NUMBER
H441	B-52	H472	B-53	H503	B-54
H442	B-52	H473	B-53	H504	B-54
H443	B-52	H474	B-53	H505	B-54
H444	B-52	H475	B-53	H506	B-54
H445	B-52	H476	B-53	H507	B-55
H446	B-52	H477	B-53	H508	B-55
H447	B-52	H478	B-53	H509	B-55
H44s	B-s52	H479	B-53	H510	B-55
H449	B-52	H480	B-53	H511	B-55
H450	B-52	H481	B-53	H512	B-55
H451	B-52	H482	B-53	H513	B-55
H492	B-52	H483	B-53	H514	B-55
H453	B-52	H484	B-53	H515	B-55
H454	B-52	H485	B-53	H516	B-56
H454	B-52	H486	B-53	H517	B-56
H456	B-52	H487	B-53	H518	B-56
H457	B-53	H488	B-53	H519	B-56
H458	B-53	H489	B-54	H520	B-56
H459	B-53	H490	B-54	H521	B-56
H460	B-53	H491	B-54	H522	B-56
H461	B-53	H492	B-54	H523	B-56
H462	B-53	H493	B-54	H524	B-56
H463	B-53	H494	B-54	H525	B-56
H464	B-53	H495	B-54	H526	B-56
H465	B-53	H496	B-54	H527	B-56
H466	B-53	H497	B-54	H528	B-56
H467	B-53	H498	B-54	H529	B-56
H468	B-53	H499	B-54	H530	B-55
H469	B-53	H500	B-54	H531	B-56
H470	B-53	H501	B-54	H532	B-58
H471	B-53	H502	B-54	H533	B-58

**SECTION v INDEX-REFERENCE DESIGNATION
CROSS REFERENCE TO PAGE NUMBER**

REFERENCE DESIGNATION	PAGE NUMBER	REFERENCE DESIGNATION	PAGE NUMBER	REFERENCE DESIGNATION	PAGE NUMBER
H534	B--59	MP578	B-52	MP608	B-55
H535	B-59	MP579	B-52	MP609	B-55
H536	B-59	MP580	B-52	MP610	B-55
H537	B-59	MP581	B-54	MP611	B-56
H538	B-59	MP582	B-54	MP612	B-56
H539	B-59	MP583	B-54	MP613	B-56
H540	B-59	MP584	B-54	MP614	B-56
H541	B-59	MP585	B-54	MP615	B-56
H542	B-60	MP586	B-54	MP616	B-56
H543	B-61	MP587	B-54	MP617	B-56
H544	B-61	MP588	B-54	MP618	B-56
H545	B-61	MP589	B-54	MP619	B-56
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1A2A1A1R7	B-42	1A2A2H333	B-45	1A2A2MP518	B-46
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1AA2ZA1CR2	B-44	1A2A3MP431	B-30	1A2A3R1	B-31
1A2A2A1CR3	B-44	1A2A3MP432	B-30	1A2A3R2	B-31
1A2A2A1CR4	B-44	1A2A3MP433	B-30	1A2A3R3	B-31
1A2A2A1CR4	B-44	1A2A3MP434	B-30	1A2A3R4	B-32
1A2A2A1CR5	B-44	1A2A3MP435	B-30	1A2A3R5	B-31
1A2A2A1CR6	B-44	1A2A3MP436	B-30	1A2A3R6	B-31
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1A2A2A1C2	B-44	1A2A3MP438	B-30	1A2A3R8	B-30
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1A2A4VP5	B-36	1A2A5MP465	B-37	1A2A5R40	B-37
1A2A5	B-36	1A2A5MP466	B-37	1A2A5R41	B-37
1A2A5AR1	B-37	1A2A501	B-39	1APA5R42	B-38
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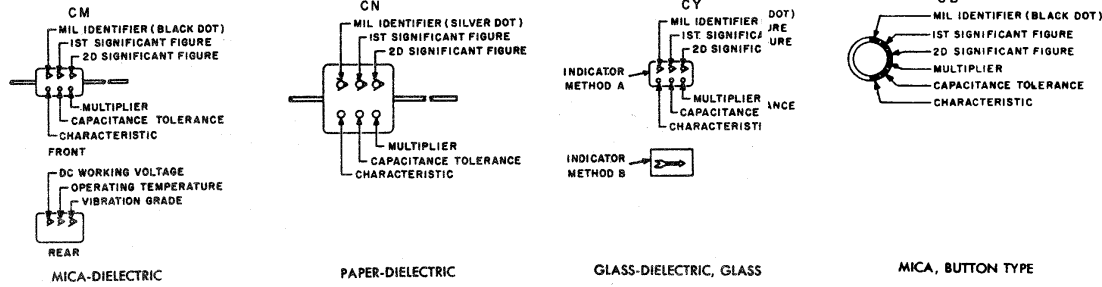
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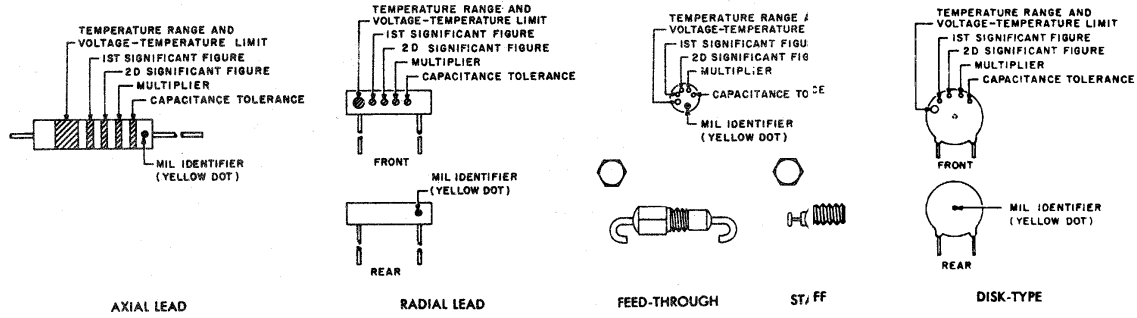
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GROUP I Capacitors, Fixed, Various-Dielectrics, Styles CM, CN, CY, and CB

COLOR CODE TABLES



GROUP II Capacitors, Fixed Ceramic-Dielectric (General Purpose) Style CK



GROUP III Capacitors, Fixed, Ceramic-Dielectric (Temperature Compensating) Style CC

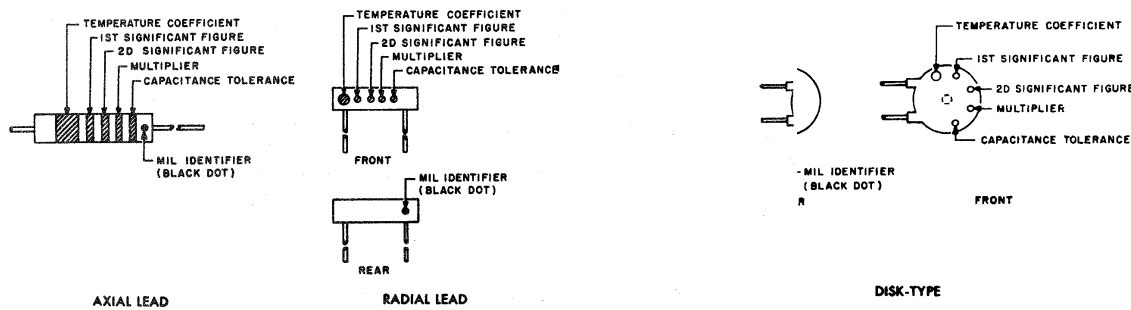


TABLE I - For use with Group I, Styles CM, CN, CY and CB

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			
BLACK	CM, CY, CB	0	0	1			± 20%	± 20%		A				-55° to +70°C	10-55 cps
BROWN		1	1	10					B	E					
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				500	-55° to +125°C	10-2,000 cps
GREEN		5	5		± 5%				F						
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	BR	3	3	1,000		
YELLOW	AY	4	4	10,000		CK
GREEN	CZ	5	5			
BLUE	BV	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
					Capacitances over 10uuf	Capacitances 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)	-750	7	7				
GREY		8	8	0.01			
WHITE		9	9	0.1	± 10%		
GOLD	+100					± 1.0uuf	
SILVER							

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-91, MIL-C-11272, and MIL-C-10950 respectively.
3. Letters indicate the temperature range and voltage-temperature limits designated in MIL-C-11015.
4. Temperature coefficient in parts per million per degree centigrade.

Figure 6-9. Capacitor Color code.

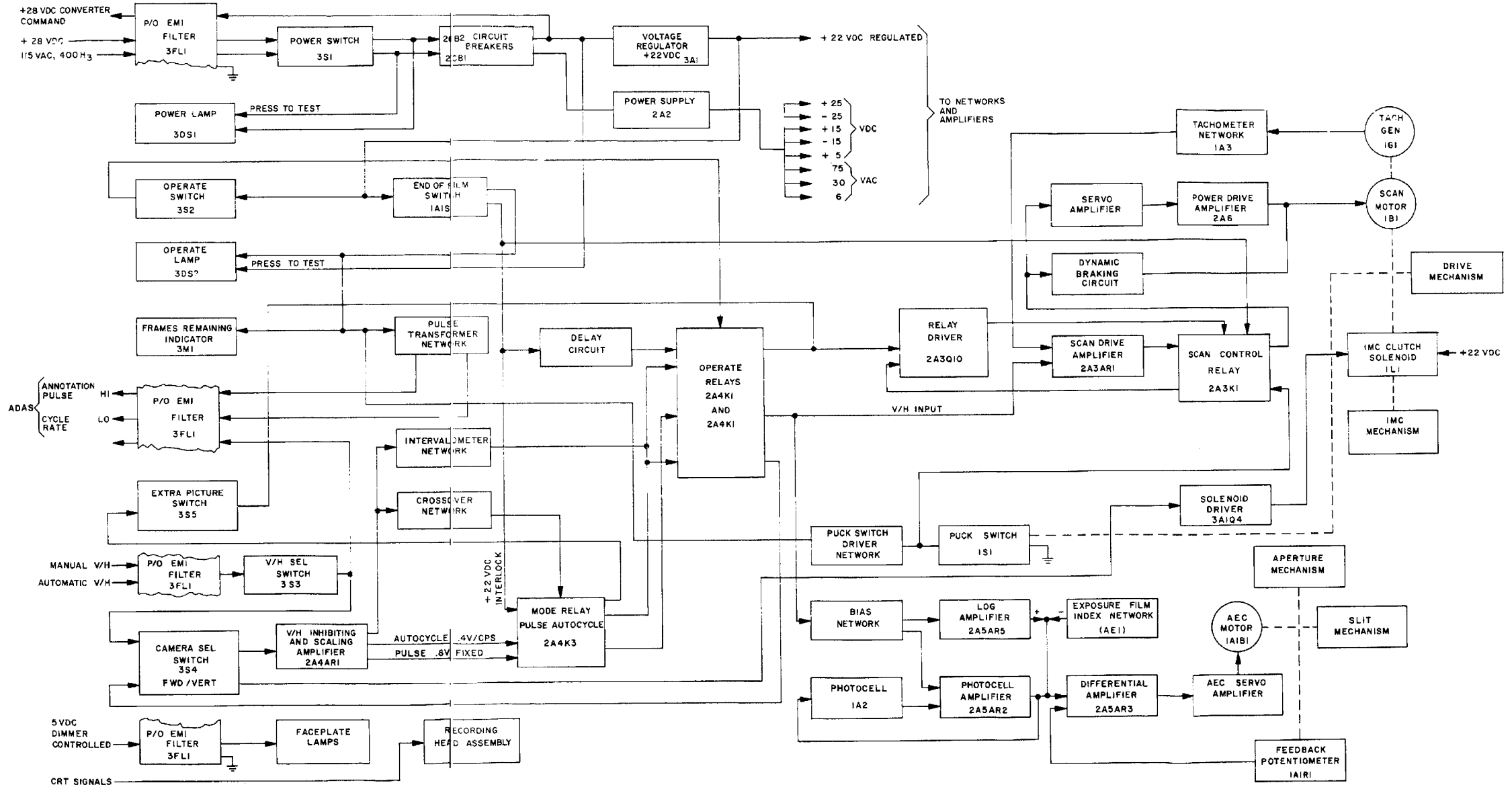


Figure 6-10. Camera, overall block diagram.

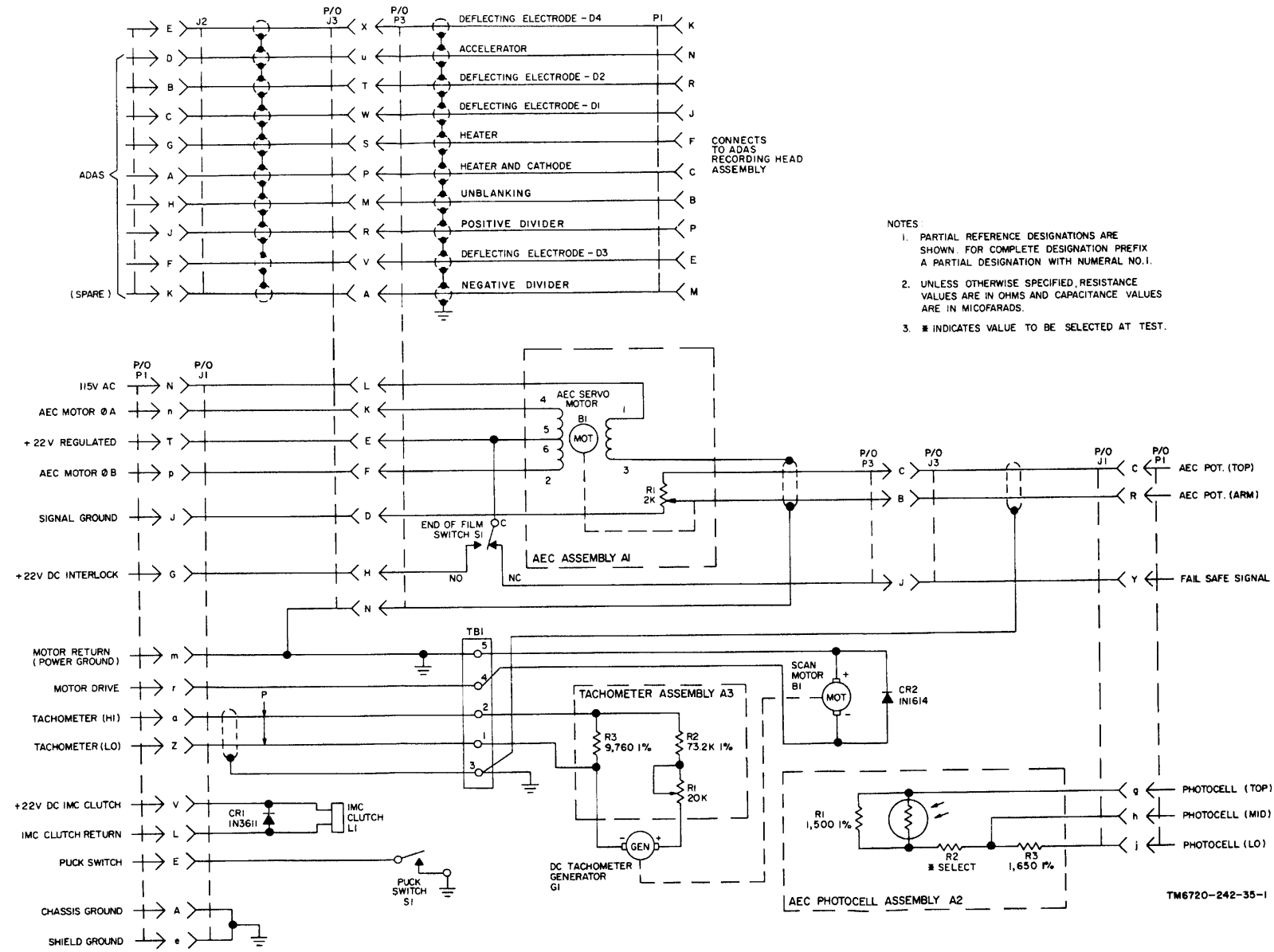


Figure 6-11. Body, schematic diagram.

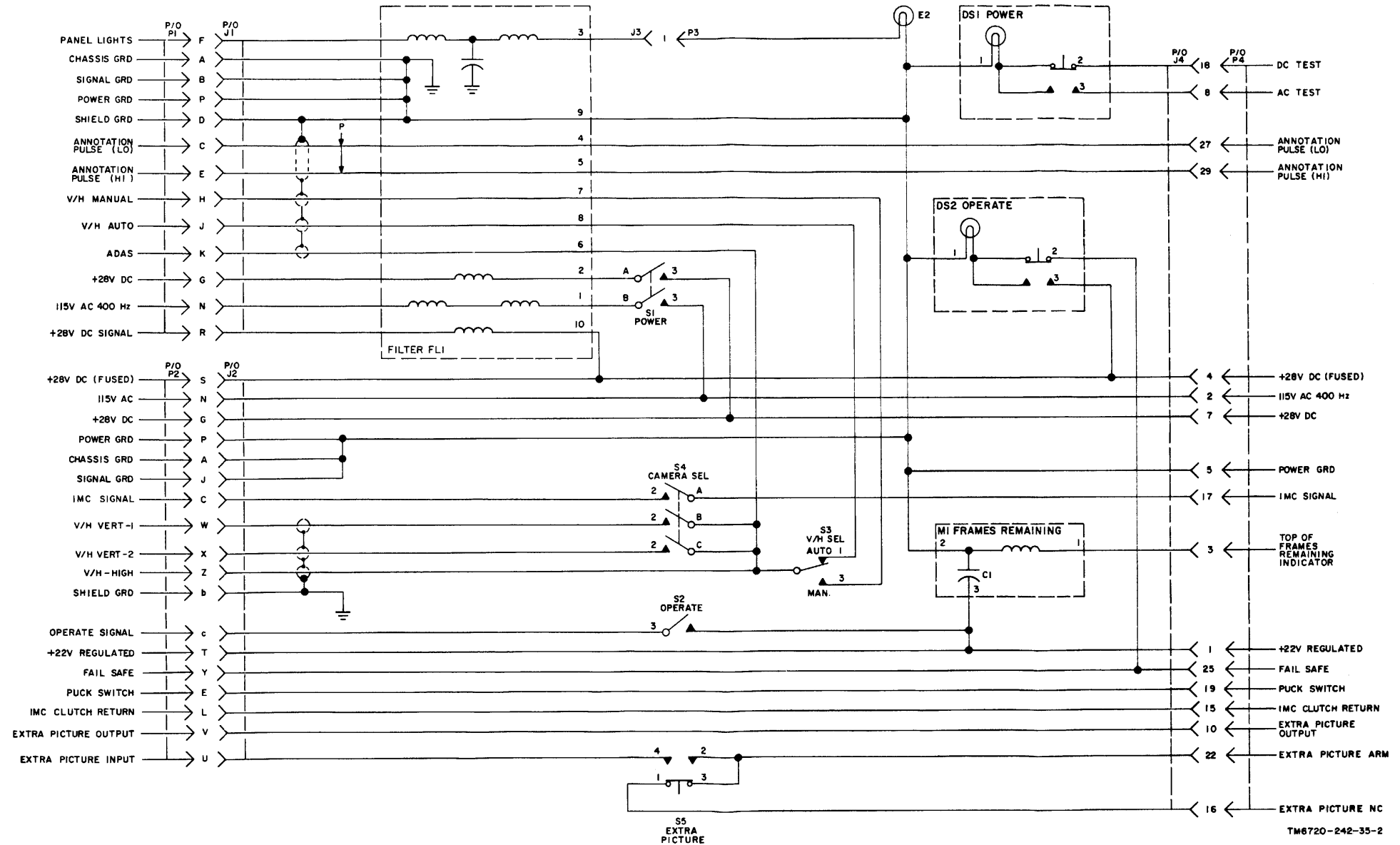
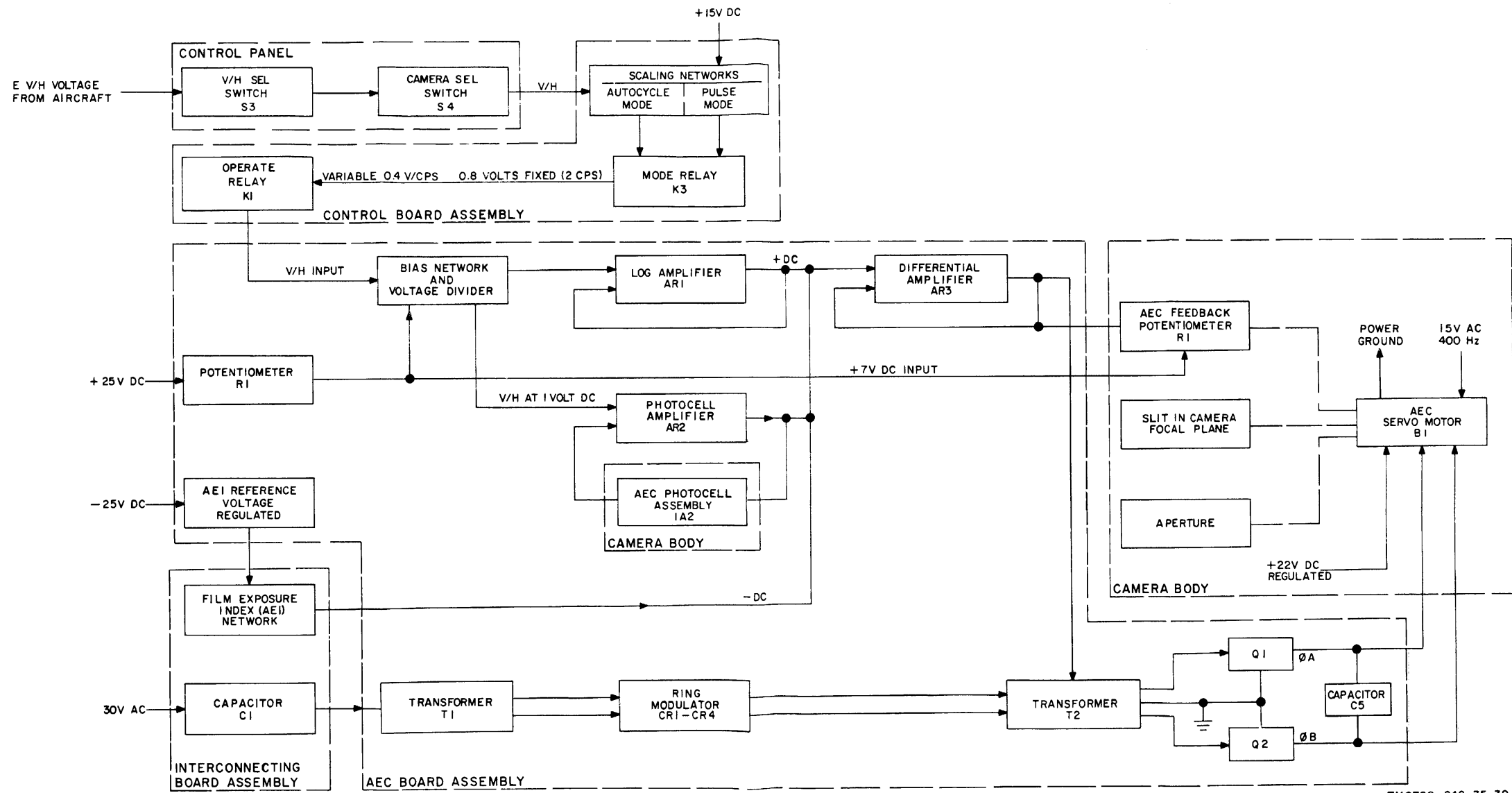
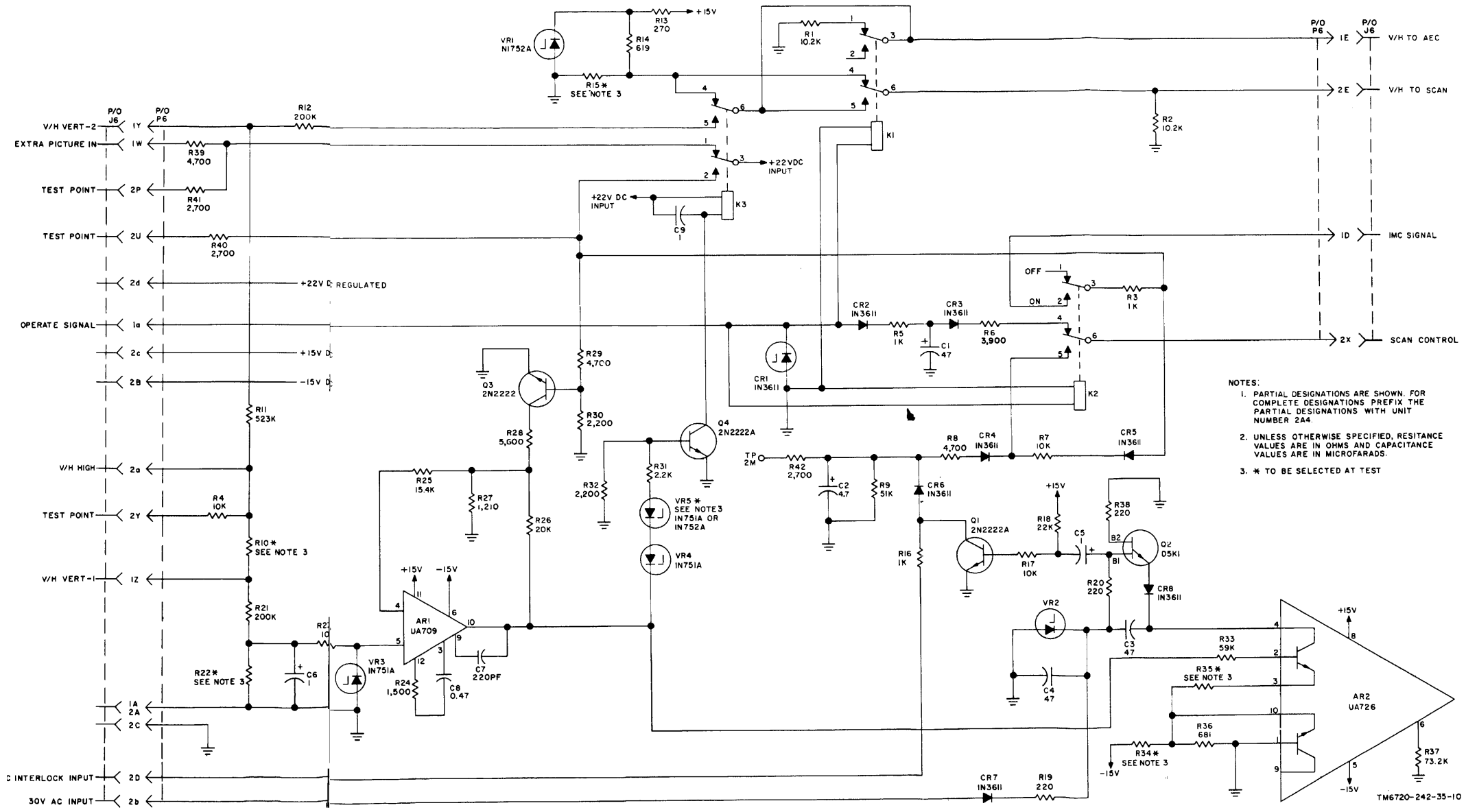


Figure 6-12. Control panel, schematic diagram.



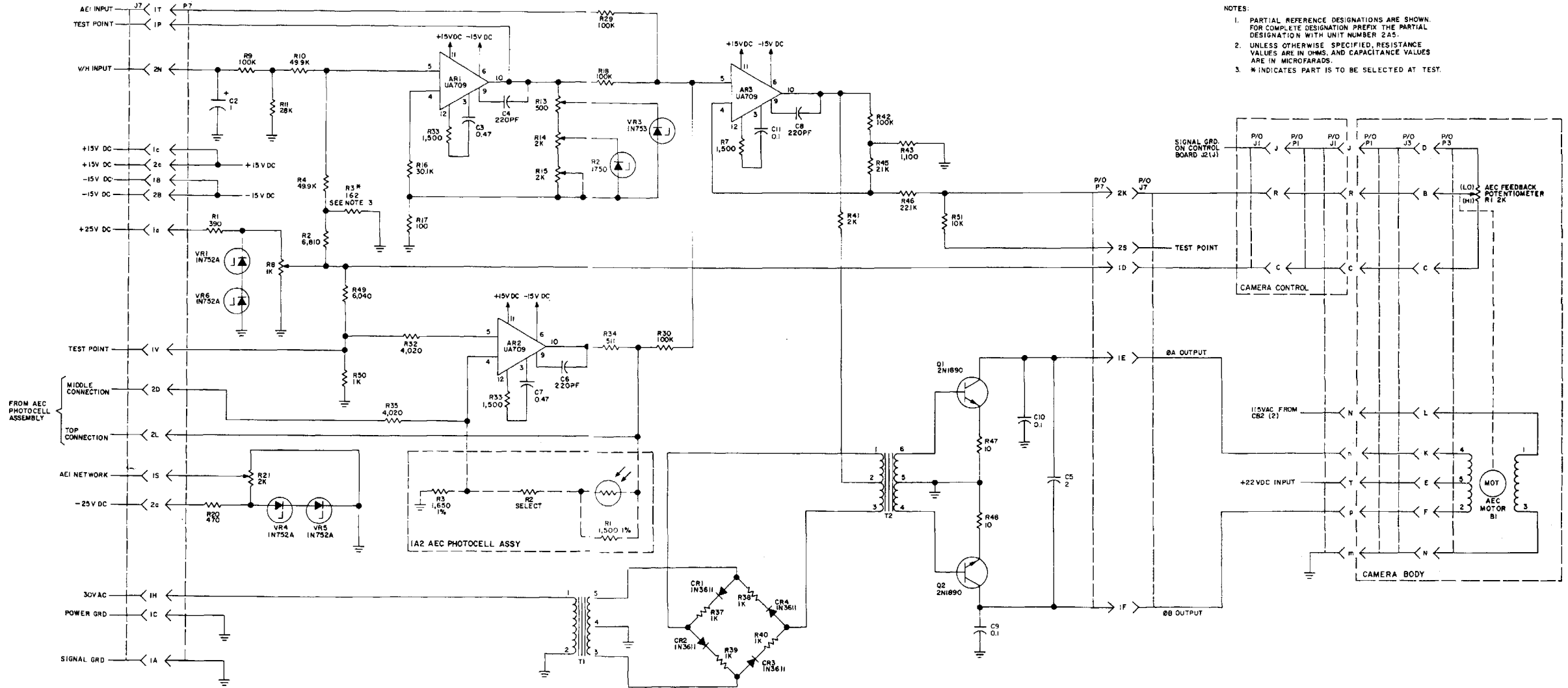
TM6720-242-35-39

Figure 6-13. Automatic exposure control (aec) board assembly, block diagram.



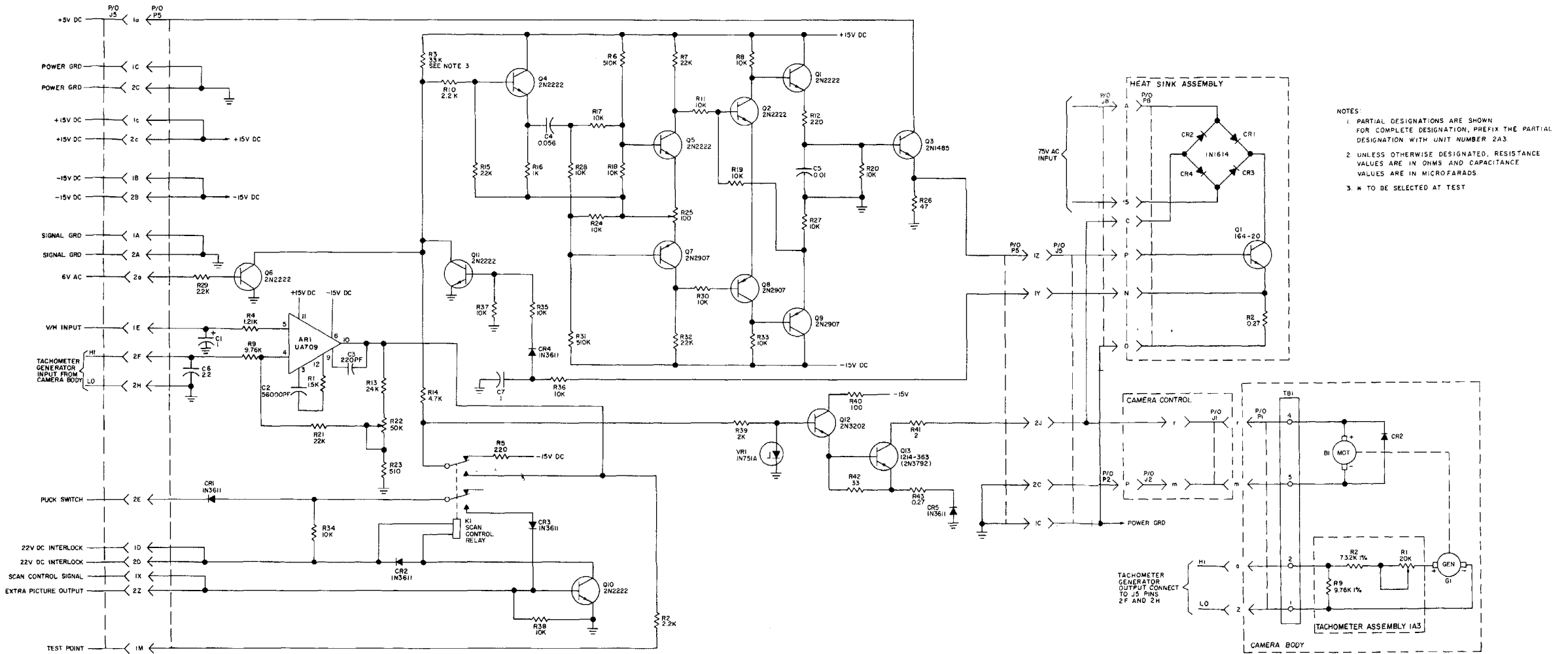
- NOTES:
1. PARTIAL DESIGNATIONS ARE SHOWN FOR COMPLETE DESIGNATIONS PREFIX THE PARTIAL DESIGNATIONS WITH UNIT NUMBER 2A4.
 2. UNLESS OTHERWISE SPECIFIED, RESISTANCE VALUES ARE IN OHMS AND CAPACITANCE VALUES ARE IN MICROFARADS.
 3. * TO BE SELECTED AT TEST

Figure 6-14. Control board assembly, schematic diagram.



NOTES:
 1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN FOR COMPLETE DESIGNATION PREFIX THE PARTIAL DESIGNATION WITH UNIT NUMBER 2A5.
 2. UNLESS OTHERWISE SPECIFIED, RESISTANCE VALUES ARE IN OHMS, AND CAPACITANCE VALUES ARE IN MICROFARADS.
 3. * INDICATES PART IS TO BE SELECTED AT TEST.

Figure 6-15. Automatic exposure control (aec) board assembly, schematic diagram.



- NOTES:
- 1. PARTIAL DESIGNATIONS ARE SHOWN FOR COMPLETE DESIGNATION, PREFIX THE PARTIAL DESIGNATION WITH UNIT NUMBER 2A3.
 - 2. UNLESS OTHERWISE DESIGNATED, RESISTANCE VALUES ARE IN OHMS AND CAPACITANCE VALUES ARE IN MICROFARADS.
 - 3. * TO BE SELECTED AT TEST

Figure 6-16. Scan drive system, schematic diagram.

NOTES:

1. PARTIAL DESIGNATION SHOWN.
FOR COMPLETE DESIGNATION
ADD PREFIX 2A2.
2. RESISTANCE VALUES ARE IN OHMS,
AND CAPACITANCE VALUES ARE
IN MICROFARADS.

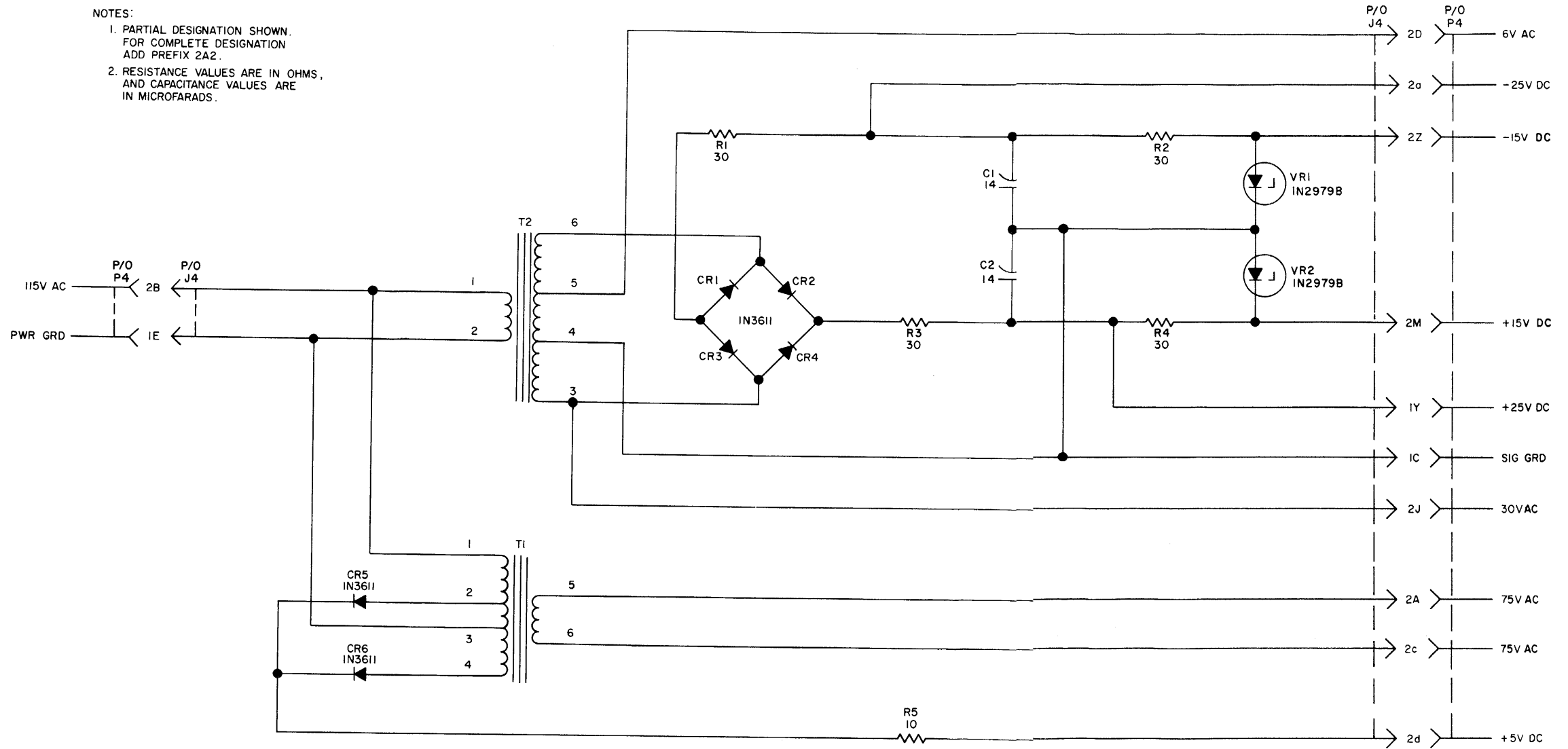


Figure 6-17. Power supply, schematic diagram.

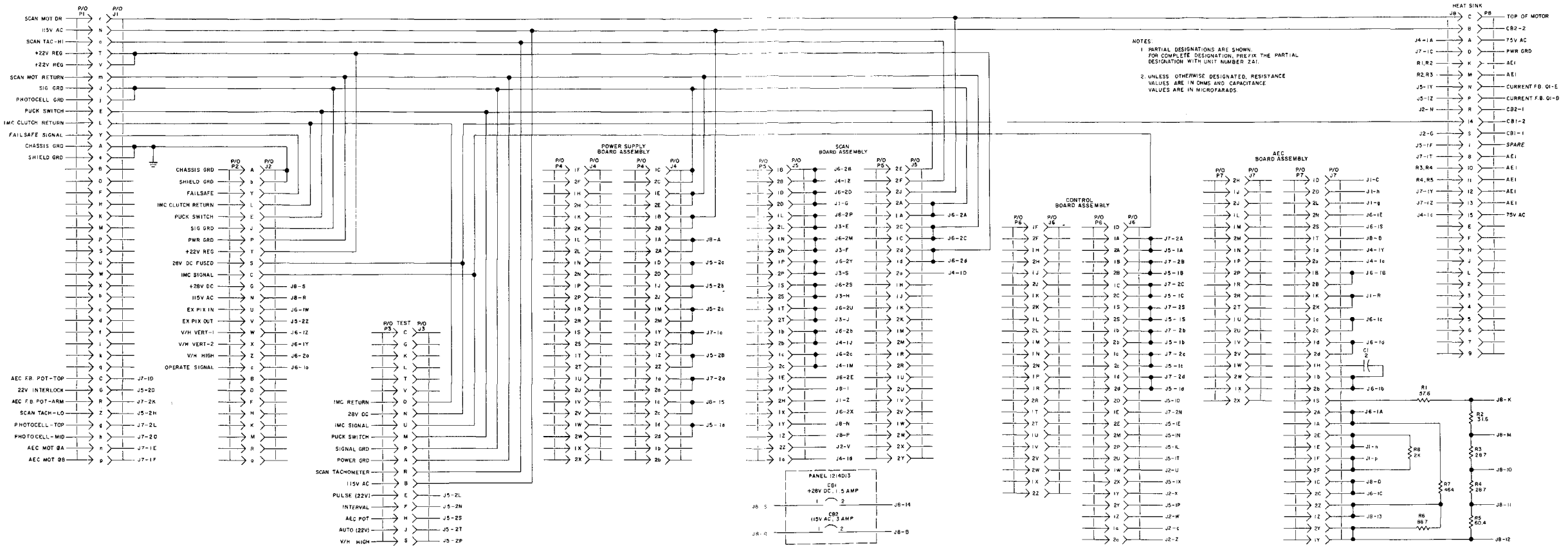
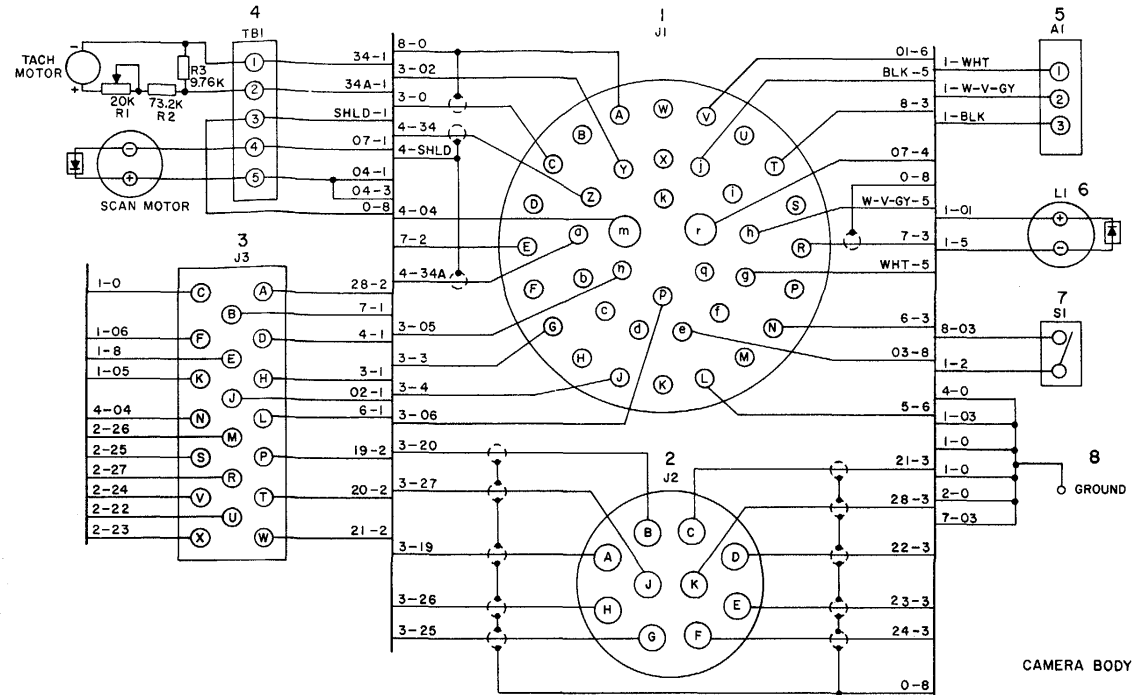


Figure 6-18. Panel and interconnecting board, schematic diagram.



- NOTES:
1. THE FIRST NUMBER ON EACH WIRE (ADJACENT TO THE BASE LINE) CORRESPONDS TO THE LARGE NUMBER ADJACENT TO THE STATION TO WHICH THE WIRE RUNS. THE SECOND NUMBER ON EACH WIRE IS THE WIRE IDENTIFICATION NUMBER.
 2. ALL WIRES, UNLESS OTHERWISE SHOWN, ARE WHITE, 22 GAGE.
 3. UNIDENTIFIED WIRES ARE SHORT JUMPERS.

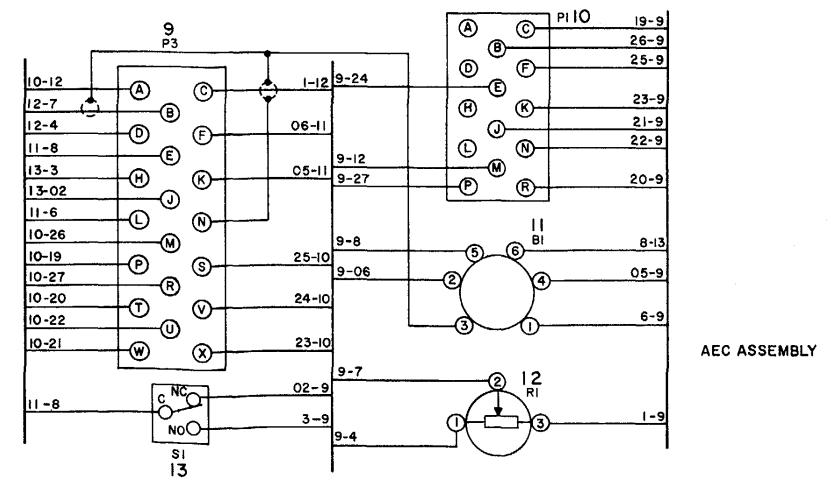
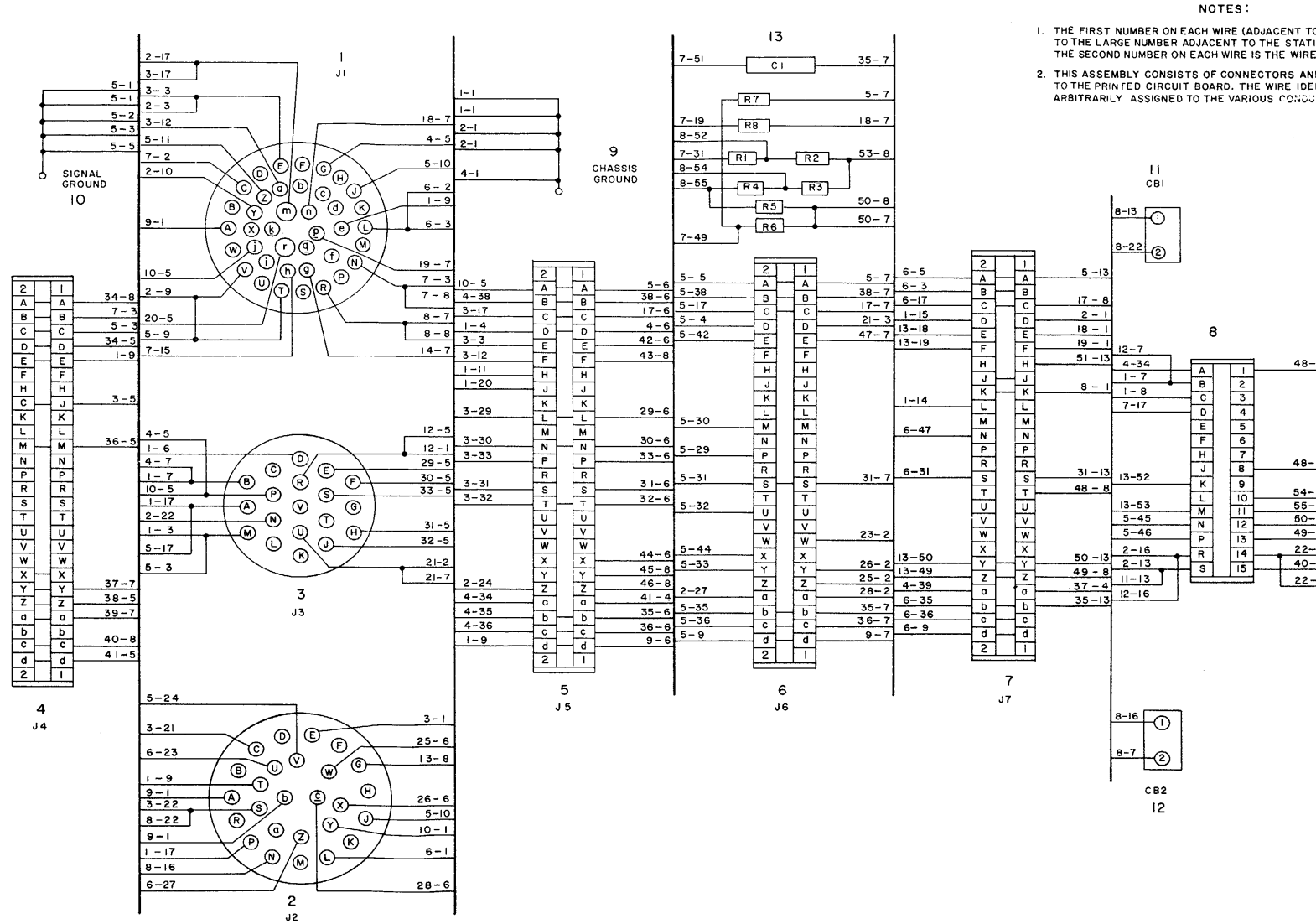
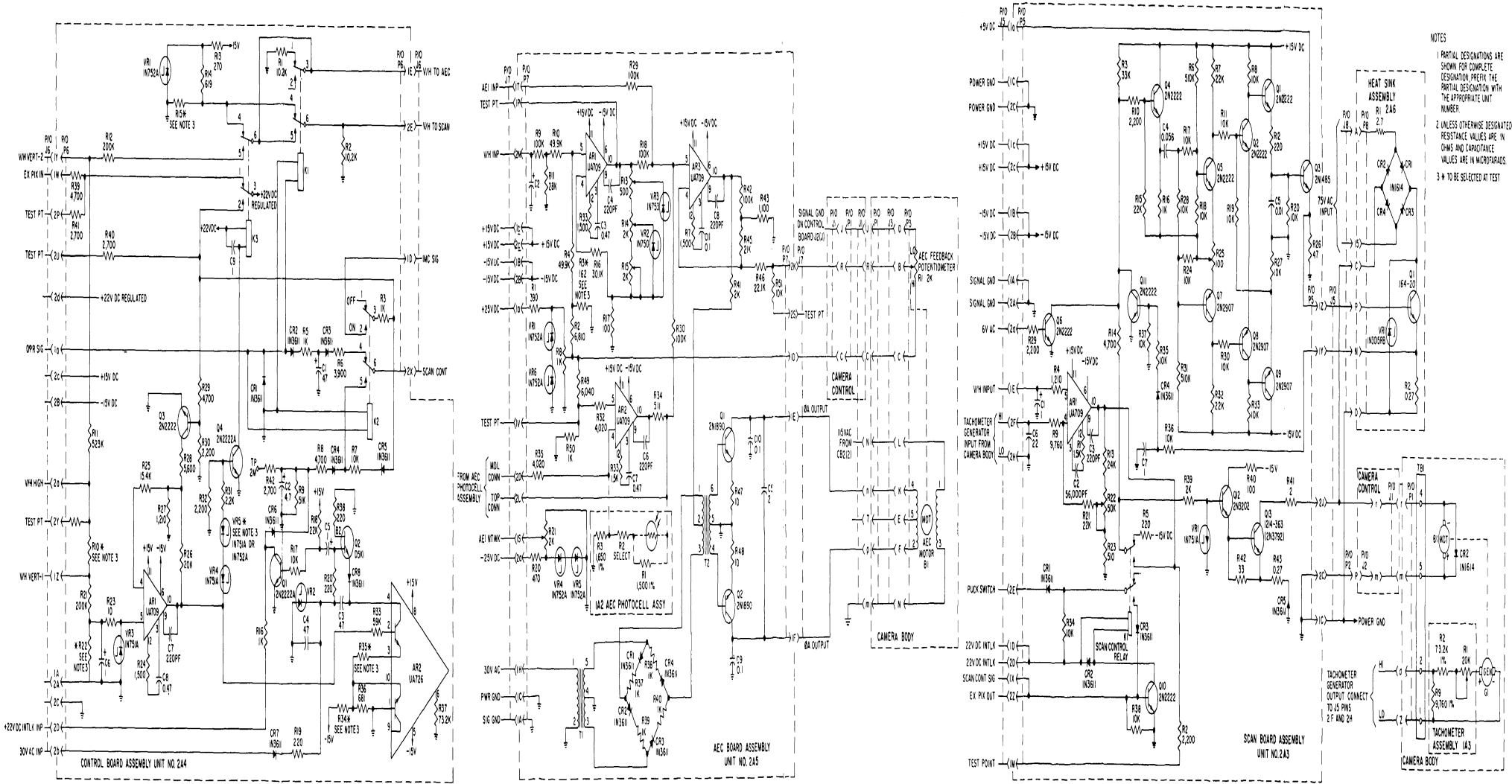


Figure 6-19. Body, wiring diagram.
6-33



- NOTES:
1. THE FIRST NUMBER ON EACH WIRE (ADJACENT TO THE BASELINE) CORRESPONDS TO THE LARGE NUMBER ADJACENT TO THE STATION TO WHICH THE WIRE RUNS. THE SECOND NUMBER ON EACH WIRE IS THE WIRE IDENTIFICATION NUMBER.
 2. THIS ASSEMBLY CONSISTS OF CONNECTORS AND COMPONENTS HARD WIRED TO THE PRINTED CIRCUIT BOARD. THE WIRE IDENTIFICATION NUMBERS ARE ARBITRARILY ASSIGNED TO THE VARIOUS CONDUCTORS.

Figure 6-20. Camera control, wiring diagram.



- NOTES
- 1 PARTIAL DESIGNATIONS ARE SHOWN FOR COMPLETE DESIGNATION. PREFIX THE PARTIAL DESIGNATION WITH THE APPROPRIATE UNIT NUMBER.
 - 2 UNLESS OTHERWISE DESIGNATED, RESISTANCE VALUES ARE IN OHMS AND CAPACITANCE VALUES ARE IN MICROFARADS.
 - 3 * TO BE SELECTED AT TEST

Figure 6-21. Camera, overall schematic diagram (part 3 of 3)
 Change 3 6-41

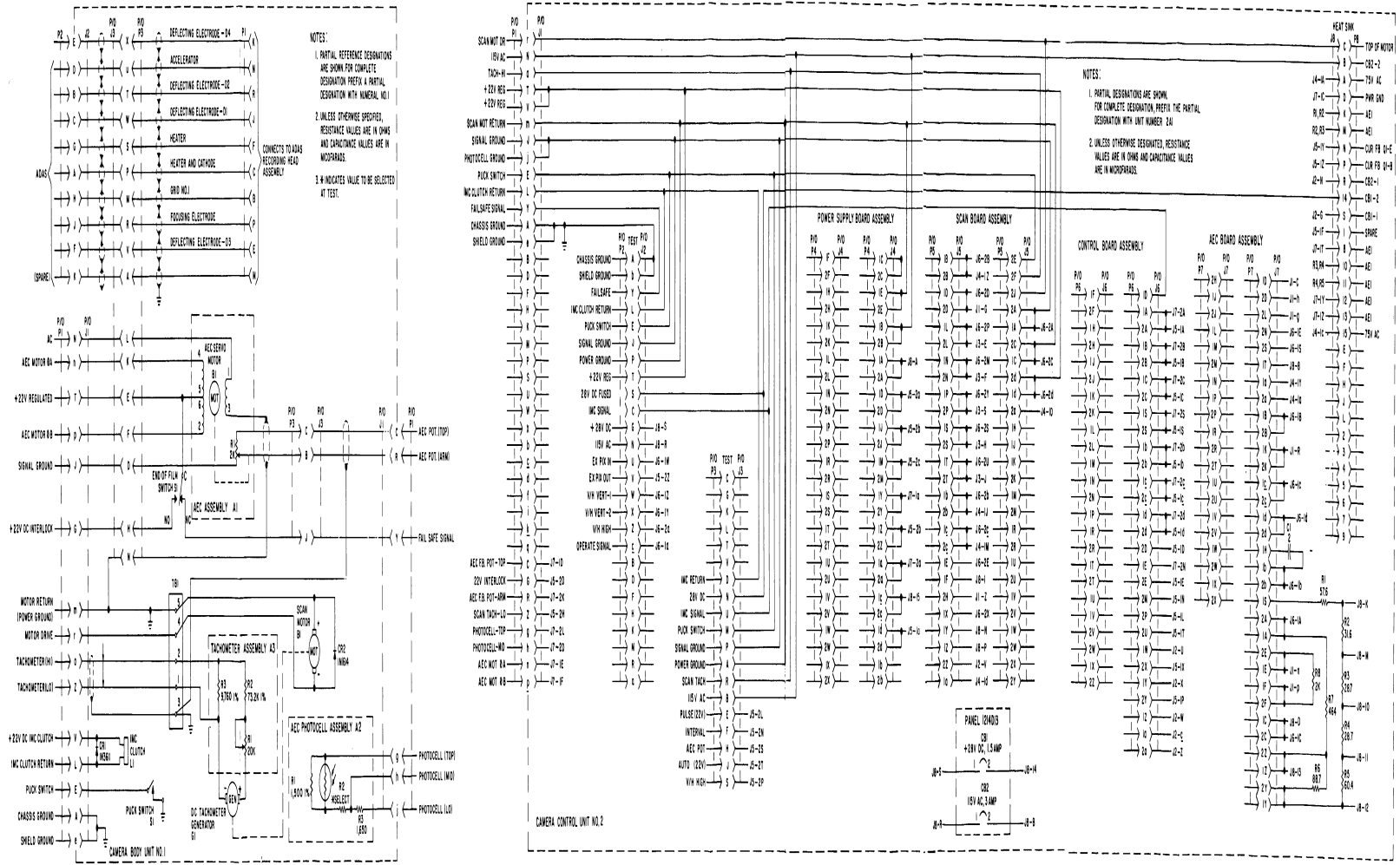
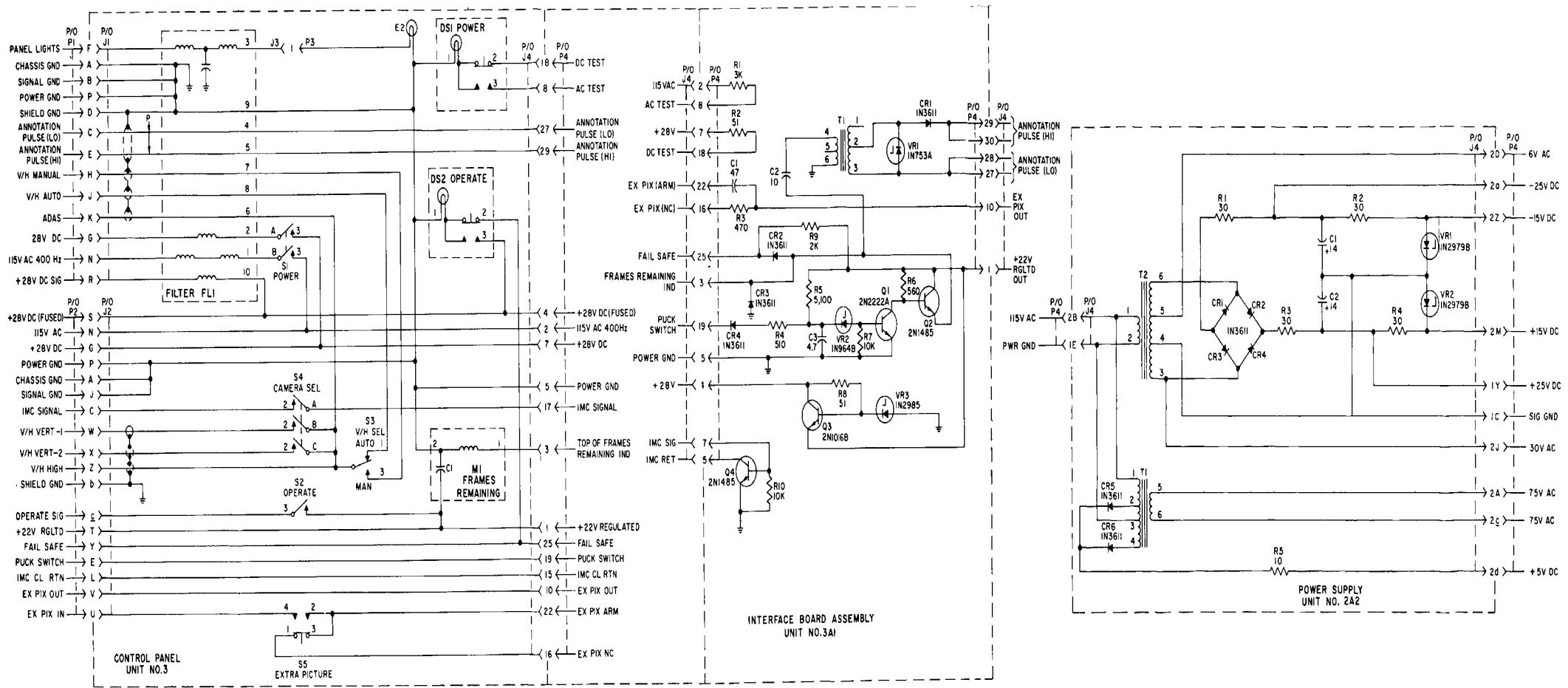


Figure 6-21. Camera, overall schematic diagram (part 1 of 3).

Change 3 6-37



NOTES:
 1. PARTIAL DESIGNATIONS ARE SHOWN FOR COMPLETE DESIGNATION, PREFIX THE PARTIAL DESIGNATION WITH THE APPROPRIATE UNIT NUMBER.
 2. UNLESS OTHERWISE DESIGNATED, RESISTANCE VALUES ARE IN OHMS AND CAPACITANCE VALUES ARE IN MICROFARADS.

Figure 6-21. Camera, overall schematic diagram (part 2 of 3).

Change 3 6-39

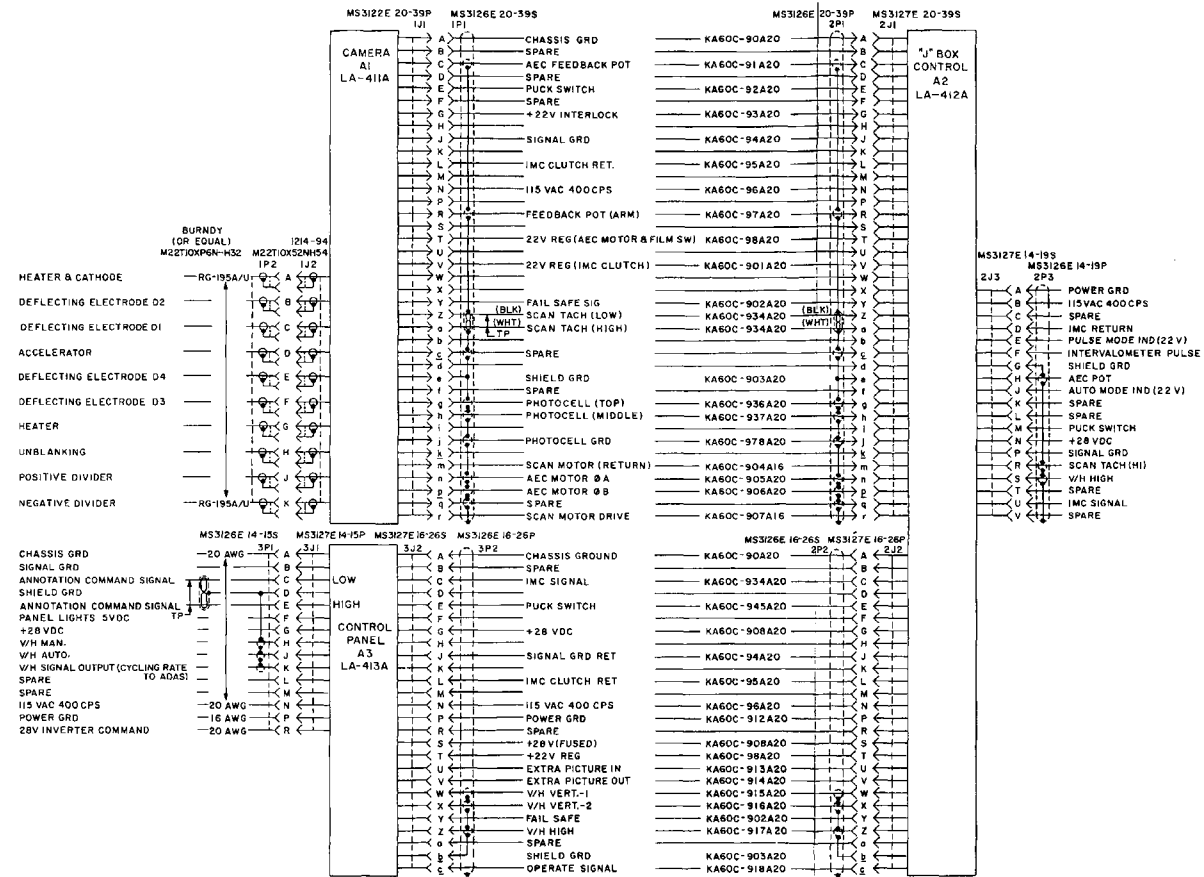


Figure 6-36. Camera, cabling diagram

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