TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT,

AND GENERAL SUPPORT MAINTENANCE MANUAL

INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS

(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)

ORDER WIRE INTERCOMMUNICATION TERMINATION

UNITS TA-918(V)()/FSC, ORDER WIRE INTER-

COMMUNICATION TERMINATION UNITS TA-930(V)()/ FSC, EXPRESS-LINK-LOCAL ORDER WIRE UNIT

TA-928/FSC, EXPRESS-LINK-LOCAL ORDER WIRE UNIT

TA-923/FSC, LINK ORDER WIRE UNIT TA-925/FSC,

REMOTE LINK ORDER WIRE UNIT TA-924/FSC, LOCAL ORDER WIRE UNIT 41010-97, CONFERENCE BRIDGES,

TELEPHONE TA-920(V)()/FSC, AND JACK AND LAMP

PANEL JLP-1

HEADQUARTERS, DEPARTMENT OF THE ARMY

APRIL 1975

WARNING

DANGEROUS VOLTAGE

DEATH or SERIOUS INJURY may result from accidental contact with 115 volts ac or -48 volts dc power present in the equipment.

WARNING

TRICHLOROETHANE

The fumes of tricholoroethane used for cleaning purposes are toxic. Provide through ventilation whenever used. Do not use an open flame. Trichloroethane is not flammable, but exposure of fumes to open flame converts the fumes to highly toxic, dangerous gases.

No. 11-5805-647-14

Operator's, Organizational, Direct Support, and General Support

Maintenance Manual Including Repair Parts and Special Tools Lists

(Including Depot Maintenance Repair Parts and Special Tools)

ORDER WIRE INTERCOMMUNICATION TERMINATION

UNITS TA-918(V) ();/ FSC,

ORDER WIRE INTERCOMMUNICATION TERMINATION

UNITS TA-930(V) () / FSC,

EXPRESS-LINK-LOCAL ORDER WIRE UNIT TA-928 / FSC,

EXPRESS-LINK-LOCAL ORDER WIRE UNIT TA-923./ FSC,

LINK ORDER WIRE UNIT TA-925/ FSC,

REMOTE LINK ORDER WIRE UNIT TA-924./ FSC,

LOCAL ORDER WIRE UNIT 41010-97,

CONFERENCE BRIDGES, TELEPHONE TA-920(V) () / FSC,

Current as of 31 October 1974

AND JACK AND LAMP PANEL JLP-1

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43 FO-1 FO-1 FO-1 FO-2 FO-3 FO-3 FO-3 FO-3 FO-4 FO-4 FO-5 FO-5 FO-5 FO-6 FO-7 FO-8 FO-9 FO-10 FO-11 FO-12 FO-13 FO-14 FO-15 FO-15 FO-16 FO-17 FO-18 FO-17 FO-18 FO-19 FO-19 FO-19 FO-19 FO-19 FO-19 FO-10 FO-10 FO-10 FO-10 FO-11 FO-12 FO-13 FO-14 FO-15 FO-10 FO	Jack and lamp panel JLP-1, connection terminal (rear)	
FO-21	Color code markings for MIL-STD resistors, inductors, and capacitors	

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

- a. This manual contains information and instructions for installation, operation, and maintenance of orderwire equipment (fig. 1-1 through 1-7). The maintenance coverage includes on-site and off-site maintenance as authorized by the maintenance allocation chart (MAC) (app C).
- b. The components of orderwire equipment are listed in paragraph 1-7 by official nomenclature/item name and assigned common name. The common name will be used in test throughout this manual.

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 the latest issue of DA Pam 310-7 to determine whether there are modification work orders (MWO's) pertaining to the equipment.

1-3. Maintenance Forms and Records

a. Report of Maintenance and Unsatisfactory Equipment. Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribed by TM 38-750

- b. Report of Packaging and Handling Deficiencies. Fill out and forward DD Form 6 (Packaging Improvement Report) as prescribed in AR 700-58/NAVSUPINST 4030.29/AFR 7113/MCO P4030.29A, and DSAR 4145.8.
- c. Discrepancy in Shipment Report (DISREP) (SF 361). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33/AFM 75-18/MCO P4610.19A, and DSAR 4500.15.
- d. Reporting of Equipment Manual 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 Blank Forms and forwarded direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-CT, Fort Monmouth, NJ 07703.

1-4. Administrative Storage

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

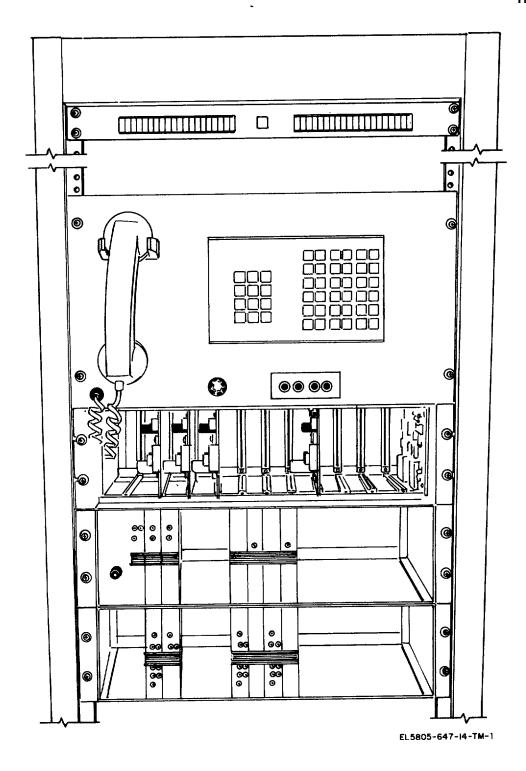


Figure 1-1. Remote Link Order Wire Unit TA-924/FSC and Order Wire-Intercommunication Termination Unit TA-918(V)/FSC.

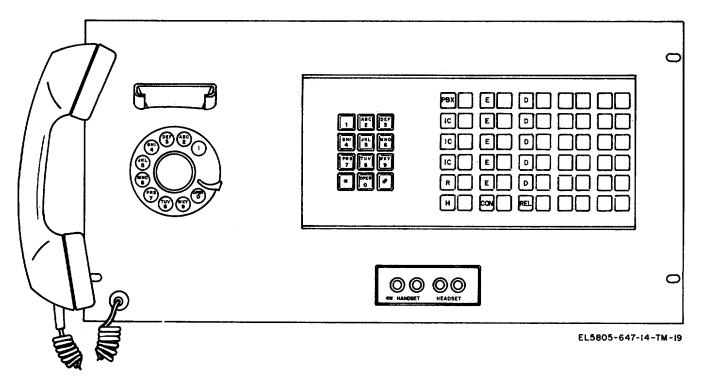


Figure 1-2. Express-Link-Local Order Wire Unit TA-923/FSC.

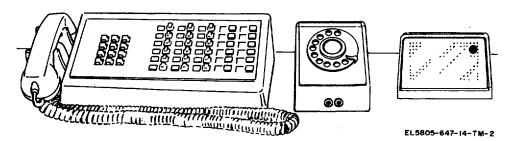


Figure 1-3. Express-Link-Local Order Wire Unit TA-928/FSC.

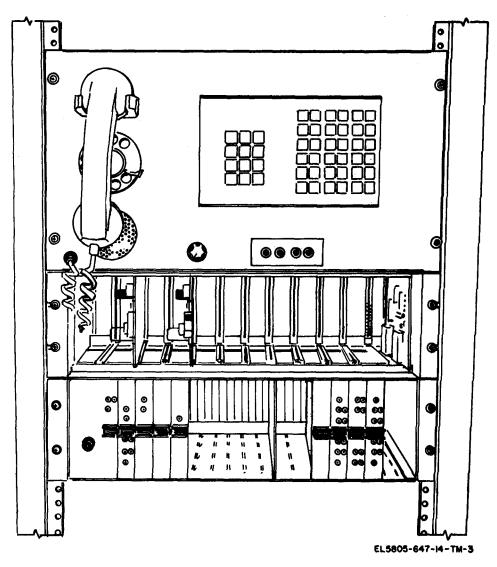


Figure 1-4. Link Order Wire Unit TA-925/ FSC and Order Wire-Intercommunication Terminal Unit TA-930(V) /FSC.

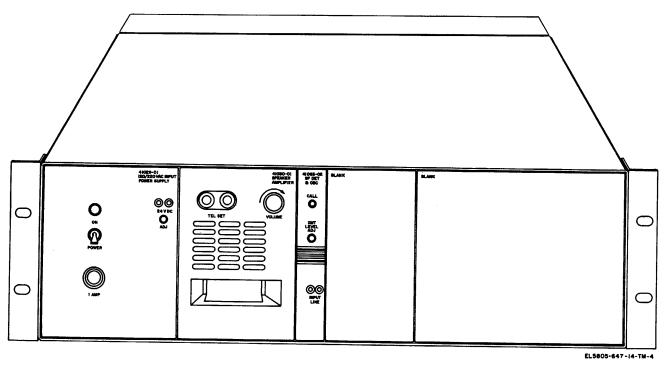


Figure 1-5. Local Orderwire Unit 41010-97.

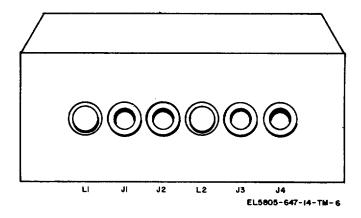


Figure 1-6. Jack and Lamp Panel, JLP-1.

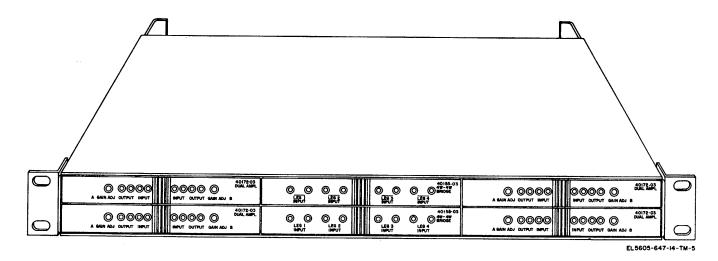


Figure 1-7. Conference Bridge Telephone TA-920(V)I/FSC and TA-920(V)2/FSC.

Section II. DESCRIPTION AND DATA1-5. Purpose and Use

- 1-5. a. *General.* The orderwire equipment works in conjunction with various radio and landline transmission media to provide voice orderwire circuits for the exclusive use of technical control and maintenance personnel. The major functions of the voice orderwires are to provide the technical control facilities (TCF's) and patch and test facilities (PTF's) with the necessary voice communications to:
- (1) Restore, activate, change, and deactivate communication links, supergroups, trunks, channels, and circuits.
- (2) Allow effective supervision of subordinate PTF's.
 - (3) Satisfy communications requirements for:
 - (a) Quality control.
 - (b) Fault isolation.
 - (c) Maintenance coordination.
 - (d) Circuit and system control.
- (e) Effective and timely interchange of information or instructions with users of the Defense Communications Service (DCS).
- b. System Application. There are several configurations of orderwire equipment included in this manual as follows:

- (1) Orderwire equipment at nodal stations provides voice circuits with dual-tone multiple frequency (DTMF) signaling, for Express Orderwire (EOW) networks, and Link Orderwire (LOW) networks. In addition, the nodal station equipment provides for further access and control to local orderwire central office (CO) line circuitry and station intercoms. Figure 1-8 shows in block diagram form the nodal station equipment interconnected to typical orderwire multiplex and local orderwire equipment's. The EOW circuits at nodal stations may be further interconnected to other stations on a party-line basis through the use of a 4w/4w bridge and amplifier (commonly known as a junction bridge assembly), or through-connected by means of a conference circuit. The components and dimensions chart in paragraph 1-7 lists the equipment types used at nodal stations.
- (2) Figure 1-9 shows, m block diagram form, typical link orderwire equipment comprising an LOW facility. Typically, a link orderwire (LOW) facility is employed at adjacent radio stations, to provide a 4-wire voice circuit over the interconnecting radio circuits (links). DTMF signaling is used with a 2-digit station address code. The LOW equipment also provides access of local orderwire circuits, as well as a CO telephone line circuit and the station intercom. When equipped with a junction bridge assembly, party line interconnections between station links are possible.
- (3) Local orderwire terminals may be connected as shown in figure 1-9. These terminals are provided at certain facilities to provide a means of local communication. They may also be configured to access distant orderwire terminals over radio links.

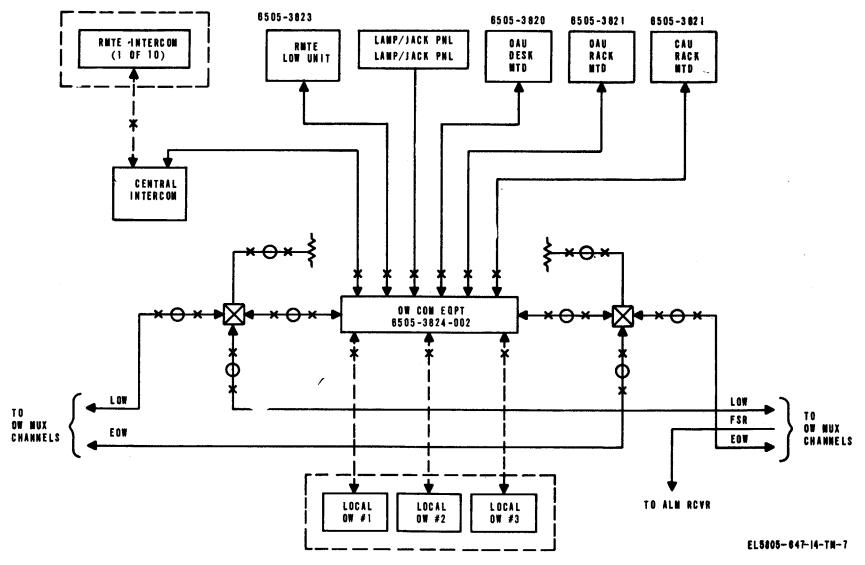


Figure 1-8. Typical, orderwire/intercom EOW station equipment arrangement, block diagram.

TO BET CHARGELS

TO BET

Figure 1-9. Typical, orderwire/intercom LOW station, block diagram

1-6. Technical Characteristics

a. Order Wire Intercommunication Termination Unit TA-918 (V)/FSC.

Number of DTMF circuits 1 to 5* Number of ringdown circuits 1 to 5*

Number of C. O. telephone

circuits

Number of intercom circuits 3

Voice frequency range 300 to 2,800 Hz

Supervisory signal frequency 3,250 16 Hz over a 0-50° C.

temp. range

Supervisory signal transmit

level Adjustable 0 dbm to -20 dbm

Supervisory signal receive level -6 to -26 dbm

DTMF tones Standard CCITT tone

DTMF receive level (single tone)+10 dbm to -20 dbm DTMF receiver bandwidth (single tone) Nominal 2% of tone frequency 4.wire input & output impedance 600

ohms

4-wire input level (test tone) 0 to -10 dbm**

4-wire output level (test tone) . 0 to --10 dbm**

2-wire impedance 600 ohms 2-wire level 0 to -10 dbm**

E & M (ringdown) signaling frequency 3,250 Hz

E & M (ringdown) signaling transmit level

dbm to -25 dbm (see operator's access unit)

E & M (ringdown) signaling receive level -6 dbm to --26 dbm

E & M Iringdown) detection level . 2.5.

Conference capability 2 circuits with no degradation Input power -42 VDC to -56 VDC, 2-5A (depending on quantity of access units)

*Basic equipment is capable of 1-CO line circuit, 5-DTMF circuits plus 5-E & M (ringdown) circuits. Stations initially equipped with a lesser quantity of circuits may be expanded to the full complement in unit increments, in accordance with expansion chart of chapter 2.

**In the adjustment of system levels, the distant terminal must be considered to assure a reasonable singing margin.

b. Order Wire-Intercommunication Termination Unit TA-930(V)/FSC.

Number of DTMF circuits 1 or 2* Number of ringdown circuits 1 or 2*

Number of C. O. telephone

circuits 1
Number of intercom circuits 1

Voice frequency range . 300 to 2,800 Hz

Supervisory signal frequency 3,250 ±16 Hz over 0-50° C.

temp. range

Supervisory signal transmit

level Adjustable 0 dbm to -20 dbm

Supervisory signal receive level -5 dbm to -26 dbm

Supervisory signal detector bandwidth 2.5

DTMF tones Standard CCITT tone

DTMF receive level (single tone) + 10 dbm to -20

dbm DTMF receiver bandwidth (single tone)

Nominal 2% of tone frequency

4-wire input & output impedance 600 ohms

4-wire input level (test tone) 0 to 10 dbm**

4-wire output level (test tone) 0 to --10 dbm**

2-wire impedance 600 ohms

2-wire level 0 to -10 dbm**

E & M (ringdown) signaling

frequency 3,250 Hz

E & M (ringdown) signaling transmit level0 0 dbm to -26 dbm (see operator's access unit)

E & M (ringdown) signaling receive level 6 dbm to --26 dbm

E & M (ringdown) detection bandwidth $\,$ 2.5 ,

Input power -42 vdc to -56 vdc 2.5A max.

*Basic equipment is capable of 1-CO line circuit, 2-DTMF circuits plus 2 E & M (ringdown) circuits. Stations initially equipped with a lesser quantity of circuits may be expanded to the full complement in unit increments, in accordance with expansion chart of chapter 2.

**In the adjustment of system levels, the distant terminal must be considered to assure a reasonable singing margin.

c. Order Wire Unit Express-Link-Local TA928/FSC and TA-923/FSC.

Number of line circuits

(combined DTM. ringdown,

telephone, and intercom). Initially equipped for 14

expandable to 26)

2-wire impedance 600 ohm bal

Voice send level -12 VU

DTMF frequency Standard CCITT DTMF level (at 2-wire output) -6 ± 3 dbm

SF signaling frequency Factory set at 3,250 F (16) Hz

over 0° to 50° C. temp

range

SF signaling level Adjustable 0 dbm to -26 dbm

(at 2-wire output) (normally

set at -10 dbm)

Input power 48 vdc (supplied from Order

Wire-Intercommunication Termination Unit TA-918(V)/FSC equipment)

d. Order Wire, Link TA-925/FSC

Number of line circuit (combined DTMF, ringdown,

telephone, and intercom) Initially equipped for 10 lex-

pandable to 16) 600 ohm BAL

2-wire impedance 600 ohm l Voice send level -12 VU

Voice send level -12 VU DTMF frequency Standar

DTMF frequency Standard CCITT DTMF level Standard CCITT -6: '3 dbm

SF signaling frequency factory at 3250 t (16) HI over a

00-500 C temp range

SF signaling level Adjustable 0 dbm to -26 dbm

(at 2-wire output) normally set

at -10 dbm

Power input 48V (supplied from Order Wire-

Intercommunication Ter-

mination Unit TA-930(V)/FSC equipment)

e. Order Wire, Remote Link TA-924/FSC

Number of line circuits (combined DTMF and in-

tercom). Initially equipped for 10. (ex-

pandable to 16)

2-wire impedance 600 ohm bal

Voice send level -12 VU (Referred to 0 dbm)

DTMF frequency Standard CCITT DTMF level (at 2-wire output) (-6 + 3 dbm)

Power input -48V Isupplied from Order

Wire Intercommunication

Termination Unit TA-

918(V)/FSC)

f. Local Orderwire Terminal, 41010-97

Number of line circuits 1

4-wire input impedance 600 or 150 ohms, $\pm 10\%$ bal 4-wire output impedance 600 or 150 ohms, 10 % bal Transmit line level + 7 dbm to -40 dbm normally

set for - 10 VU on voice peaks

Receive line level + 10 dbm to --45 dbm Voice frequency range 300 to 3,000 Hz

MON speaker output 1 watt with 0 dbm input E & M (ringdown) signal freq. 3,250 Hz:-16 Hz

over 00-500 C. temp range

E & M (ringdown) transmit

level 0 to -26 dbm normally set at

-10 dbm

E & M (ringdown) receive level -6 to -26 dbm

E & M (ringdown) detection bandwidth 2.5% Optional 4w/4w bridge and amplifier module provides three additional input and

output ports:

Transhybrid loss between a

given input and output Greater than 60 dB

Bridge input/output im-

pedance each port 600 ohms
Bridge input level 0 to + 7 dbm
Bridge output level +2 to --16 dbm

Input power 120 or 220 vac, single phase, 47

to 63 Hz, 96 volt-amperes

1-7. Items Comprising an Operable Equipment
The components of the link orderwire (LOW). stations and express orderwire (EOW) station are listed in the

following chart. The chart includes dimensions, weight, and Federal stock number

		Dim	ensions (I	า.)		
Federal stock number	Item and common name	Height	Depth	Width	Weight (lb)	Figure
5805-269-0027	Order Wire. Express-Link-Local TA-923/FSC (rack-mounted operator's access unit) consisting of:	10 1/2	7 1/4	19		
	Call Director Assembly (6506-3836) Panel Assembly (GB11672) Handset (NC1800-03GAR15T4) Headset (1574-5)	10 1/2	5	19		
5805-269-0321	Order Wire Unit, Remote Link TA-924/FSC (remote LOW unit) consisting of: Call Director Assembly (6505-3839)	10 1/2	7 1/4	19		
	Panel Assembly (GB11671) Handset (NC1800-03G3AR05T4) Headset (1574-5)	10 1/2	9	19		
5805-269-0320	Order Wire, Link TA-925/FSC (link orderwire unit) consisting of: Call Director Assembly (6505-3838)	10 1/2	9 1/4	19		
	Panel Assembly (GB11670) Handset (NC1800-03G3AR05T4) Headset (1574-5)	10 1/2	9	19		
5805-269-0323	Order Wire Unit, Express-Link-Local TA-928/FSC (Desk-mounted operator's access unit) consisting of:					
	Call Director Assembly (6505-3837) Rotary Dial Mounting (GB11767) Speaker Assembly (6505-3828) Handset (NC1800-03G3AR15T4)	4	5 1/4	4 1/2		
	Headset (1574-5) Orderwire Intercommunication Termination Unit, TA-918(V)1/FSC through TA-918(V)8/FSC (common equipment) consisting of:	5 1/4	10 1/2	19		
	Fuse Panel, SB-3751/FSC (12734-1)	1 3/4	6	19		
	PC Card Rack Assembly (LCC9740)	5 1/4	10 1/2	19		
	Common Equipment Shelf (41010-96)	5 1/4	10 1/2	19		
	Orderwire Intercommunication Termination Unit, TA-930(V)1/FSC and TA-930(V)2/FSC consisting of:	5 1/4	10 1//2	19		
	Fuse Panel, SB-3751/FSC (12734-1)	1 3/4	6	19		
	PC Card Rack Assembly (LCC9740)	5 1/4	10 1/2	19		
	Common Equipment Shelf (41010-96)	5 1/4	10 1/2	19		
	Conference Bridge Telephone, TA-920(V)1/FSC (40110-98) (bridge and amplifier assembly) consisting of:	1 3/4	10 1/4	19		
5895-173-7028	Dual Amplifier (40172-03)	7/8	9-5/8	6		
5895-173-7022	4 Way-4 Wire Bridge (4015503)	7/8	9-5/8	6		
	Conference Bridge Telephone, TA-920(V)2/FSC (40110-99) (bridge and amplifier assembly) con-	1 3/4	10 1/4	19		
5895-173-7028	sisting of: Dual Amplifier (40172-03)	7/8	9-5/8	6		
5895-173-7022	4 Way-4 Wire Bridge (40155-03)	7/8	9-5/8	6		
0000 110 1022	Local Orderwire (41010-97) consisting of:	5 1/4	10 1/4	19		
	Power Supply (41029-01)	5 1/8	9-5/8	4		
	Speaker Amplifier (41030-01)	5 1/8	9-5/8	3/2		
	SF Detector and Oscillator (41063-02)	5 1/8	9-5/8	7/8		
	Panel Assembly CB2 (9740CB2)	2 1/2	3/16	36		
	Panel Assembly CB1 (9740CB1)	2 1/2	3/16	36		
	Jack and Lamp Panel (EFE803101)	1	4	4		

1-8. Description

- Order Wire Intercommunication Termination Unit *TA-918(V)/FSC* (fig. 1-1). Order Intercommunication Termination Unit TA918(V)/FSC, commonly referred to as common equipment, is used at nodal stations to interconnect EOW, LOW, and local orderwire circuits. The common equipment circuitry is packaged in modular form so that it can be expanded to greater capacity by adding individual plug-in modules (refer to common equipment expansion chart in chapter The common equipment can accommodate a maximum of 10 orderwire circuits (five DTMF and five E and M ringdown) and one CO telephone line circuit. The equipment consists basically of two common equipment shelves (with plug-in modules and a dc power supply), a pc card assembly (with plug-in cards), and certain electrical components mounted at the rear of the rack.
- (1) Common equipment shelves. The common equipment shelves provide housing and interwiring of the dc/dc power supply and the other plug-in modules specified in paragraph 1-7. All external connections are made at wire-wrap terminals on connectors at the rear of the shelves (fig. 5-9).
- (2) PC card assembly. The PC card assembly provides housing and interwiring for up to 11 line cards and an interrupter assembly. One line card is associated with each connected communication circuit (orderwire and CO telephone line) to control certain signaling functions. The interrupter assembly is common to all communication circuits; this circuit provides required flashing or interrupting indicator signals. All external connections to the PC card assembly are made at terminal boards located on the rear of the equipment (fig. 5-9).
- (3) Rear-mounted components (fig. 5-9). Battery feed filter inductors and plug-in conference relays are mounted behind the common equipment shelves. Likewise, the component boards containing miscellaneous circuit components along with terminal strip TB1 are mounted behind the shelves.
- b. Fuse Panel SB-3751/FSC (fig. 1-1). The fuse panel is mounted at the top of the cabinet and provides the distribution of the --48-volt station battery used in the common equipment circuitry and other equipment within the cabinet. Up to 40 fused distribution circuits are provided and an indicator is provided to indicate blown fuses.
- c. Order Wire-Intercommunication Termination Unit TA-930(V)/FSC(fig. 1-4). Order Wire-Intercommunication Termination Unit TA930(V)/FSC, commonly referred to as the LOW support equipment, is similar to the common

- equipment, except that the LOW support equipment includes only one common equipment shelf and plug-in conference relays are not mounted behind the unit. The LOW support equipment is used only at the link orderwire sites and provides for two DTMF and two E&M ringdown, one PBX, and one intercom.
- d. Express-Link-Local Order Wire Units TA923/FSC and TA-928/FSC (fig. 1-2 and 1-3). Express-Link-Local Order Wire Unit TA923/FSC, commonly referred to as the rack, mounted operator's access unit (OAU). and Express Link Order Wire Unit TA-928/FSC, commonly referred to as the desk-mounted operator's access unit, are functionally identical. The rack-mounted operator's access unit basically consists of a call director, a rotary dial, and a handset. Jacks are provided for connecting external headsets or handsets, as required. The deskmounted operator's access unit consists of three separate physical assemblies: a call director with handset, a rotary dial, and a speaker amplifier unit. All assemblies are interconnected so that they form a single functional unit. The call director of either unit is initially equipped with a DTMF keyset and three rows of six selector keys to provide a minimum of 14 circuits as well as hold, ring, and conferencing functions. addition of more selector keys (rows 4 and 5), expansion to 26 circuits is possible.
- e. Remote Link Order Wire Unit TA-924/FSC (fig. 1-1). Remote Link Order Wire Unit TA924/FSC, commonly referred to as the remote LOW unit, is similar to the 19-inch rack-mounted operator's access unit, except it is equipped with one row of selector keys to provide for four circuits, and to provide the ring and hold functions. The PABX line and local orderwire access is not required. An 18 button call director is used with inherent expansion capability of 2 additional rows of push buttons for additional lines. A monitor loudspeaker, with volume control and ON-OFF switch is provided, along with the headset and 4W handset jacks and a DTMF keyset. A rotary dial is not provided.
- f. Link Order Wire Unit TA-925/FSC (fig. 14). Link Order Wire Unit TA-925/FSC, commonly referred to as the link orderwire unit, is similar to the 19-inch rack-mounted operator's access unit, except that it is equipped with two rows of selector keys for accessing two local

orderwire, one intercom circuit, one PBX line, and two DTMF orderwires. The call director also include switches for the hold and ring function. The link orderwire unit includes the handset with cradle hookswitch, the headset and 4W handset jacks, monitor loudspeaker with volume and ON-OFF controls, and the DTMF and rotary dial.

- g. Local Orderwire Unit 41010-97 (fig. 1-5). The local orderwire panel is a self-contained, 19inch rack mounted unit which consists of a speaker amplifier, a power supply, and an SF detector and oscillator. The speaker amplifier contains a jack for connecting a handset as well as the cradle switch to hold this handset. A speaker with volume control is also provided on the speaker amplifier.
- h. Jack and Lamp Panel, JLP-1 (fig. 1-6). The jack and lamp panel consists of jacks to permit access to the 4-wire send and receive lines, and lamps to provide visual indication of an incoming call. No aural alarm is provided for incoming calls. A set of jacks and a separate lamp are provided for each of two LOW circuits.

The jack and lamp panel is wired to the station main frame where it is cross-connected to desired circuits served by the common equipment. The jack and lamp panel is normally mounted on the end cabinet in a row of multiplex equipment.

i. Conference Bridge Telephone TA920(V)1/FSC and TA-920(V)2/FSC (fig. 1-7). The conference bridge telephone, commonly called the bridge and amplifier assembly, is mounted in a 19-inch rack. The TA-920(V)1/FSC, part number 40110-99, is configured with one (1) four-way/four-wire (4W/4W) resistive hybrid bridge module and two (2) dual amplifier modules. The TA-920(V)2/FSC, part number 40110-98 is configured with two (2) 4W/4W bridges and four (4) dual amplifiers. Both configurations are identical electrically; the difference being only in quantity of modules. The total assembly in each case permits interfacing of each bridge leg on a 600 ohm, 4-wire line at a 0 dBm send and receive level.

CHAPTER 2 INSTALLATION

Section I. SERVICE UPON RECEIPT OF EQUIPMENT

2-1. Siting Instructions

The orderwire/intercom equipment is located in accordance with each approved station floor plan and equipment layout drawing.

2-2. Packaging Data

The orderwire/intercom assemblies are contained in single, commercial grade, cardboard cartons with adequate packing and waterproof barrier material to protect the equipment for reasonable handling care and exposure to the elements.

2-3. Unpacking Instructions

- a. Place the packed equipment in the area where the equipment will be installed.
- b. Carefully open the container and remove the equipment.

CAUTION

Be careful in unpacking and handling the equipment. If damaged, the equipment may be rendered useless and a complete overhaul may be required.

- a. Inspect the equipment for damage that may have occurred during shipment. If the equipment has been damaged, fill out and forward DD Form 6 (para 1-3 b).
- b. Check to see that the equipment is complete as listed on the packing slip. If a packing slip is not available, check the equipment against the items listed in paragraph 1-7. Report all discrepancies in accordance with TM 38-750. The equipment should be placed in service even though a minor assembly or part that does not affect proper functioning is missing.
- c. Check to see whether the equipment has been modified. If the equipment has been modified, the MWO number will appear on the front panel near the nomenclature plate. Check also to see whether all MWO's current at the time the equipment is placed in use have been applied.

NOTE

Current MWO's applicable to the equipment are listed in DA Pam 310-7

d. Check the latest issue of DA Pam 310-4 (never more than 1 year old) and its latest changes (never more than 6 months old) to see whether you have the latest editions of all applicable maintenance literature.

2-4. Checking Unpacked Equipment

Section II. INSTALLATION INSTRUCTIONS

2-5. Tolls, Test Equipment, and Material Required

For installation of the equipment, use appropriate items listed in appendix B, wire wrap tool, crimping tool type C, wire wrap bit, wire wrap sleeve and materials as follows: 1N4003 diodes; 1300 ohms ± 5 %, 1-watt resistors: 1200ohm - 5 %, 2-watt resistors; screws, MPH 6-32X 5/8 inches; and washer, flat round #6 screws.

2-6. Installation Procedures

a. Orderwire/Intercom Common Equipment. The orderwire/intercom common equipment (EOW site only, shown in fig. 2-1) and the link orderwire support

equipment (LOW sites only, shown in fig. 2-2) are prewired within the shelves. The rack shelves are wire-wrapped to the internal cable harness which is wired to cabinet-mounted terminal block TB1 and, thus, should only require additional wiring following a major repair or for telephone circuit expansion purposes. Refer to appendix D for wiring harness connection information for the common equipment and the LOW support equipment.

(1) External connections. For external VF and control connections to TB1, refer to the station cable running list and wiring information.

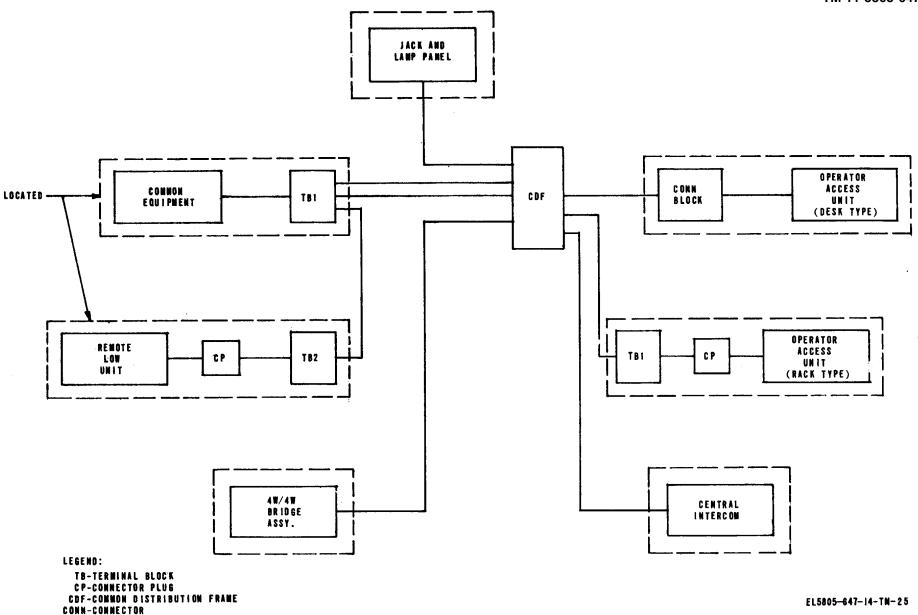


Figure 2-1. EOW site installation procedures pictorial identification.

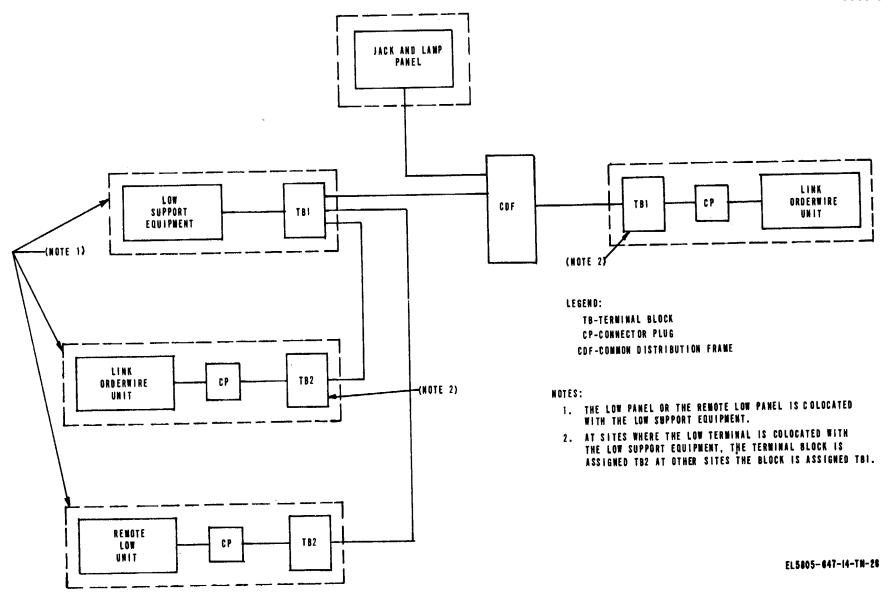


Figure 2-2. LOW site installation procedures pictorial identification.

(2) Power connections. For external power connections to the fuse panel, refer to site power distribution drawing and/or site cable running list. Refer

to figure 2-3 for required dc power distribution within the common equipment shelf.

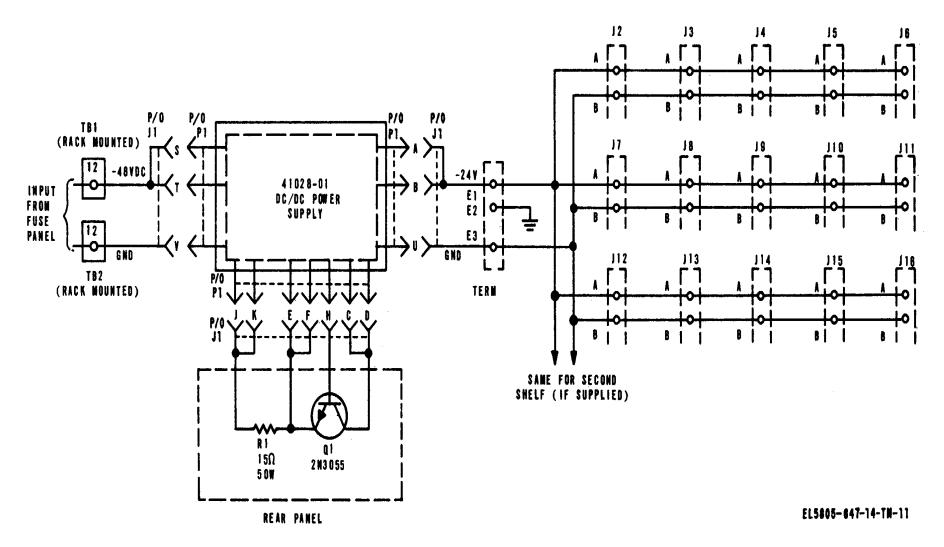


Figure 2-3. Common equipment shelves, dc/dc power supply distribution.

(3) Module and PC card location. Refer to connector assignment charts below in conjunction with figure 2-4 for correct module and PC card installation within their respective shelves.

(4) Connector assignment chart for common equipment modules and PC cards.

		Location		
Item			Description	Part No.
No.	Shelf	Conn		
1	SH3	J1-J11	Line card	LC401-4
2	SH3	J12		INT-9740
-			Interrupter	
3	SH2	J2-6	SF detector & oscillator	41063-02
4	SH2	J7, 9. 11, 13 and 15	DTMF tone receiver	40452-01
5	SH2	J8, 10, 12, 14 and 16	Digit decoder	40451-04
6	SH2	J1	DC/DC power supply	41028-01
7	SH1	J2-6	4W/2W hybrid module with 2.7 kHz low pass filter	49008-02
8	SH1	J7, 9, 11, 13 and 15	4W/2W hybrid module .	49008-01
9	SH1	J8, 10, 12, 14 and 16	SF detector	41063-01

(5) Connector assignment chart for LOW support equipment modules.

		Location		
Item No.	Shelf	Conn	Description	Part No.
1 2	SH2 SH2	J1-J5 J12	Line card Interrupter	LC401-4 INT-9740
3	SH1	J2 & 6	4W/2W hybrid module with 2.7 kHz low pass filter	49008-02
4 5	SH1 SH1	J3 & 7 J4 & 8	SF detector & oscillator DTMF tone receiver	41063-02 40452-01
6	SH1 SH1	J5 & 9	Digit decoder	40451-04
8	SH1	J10 & 12 J11 & 13	4W/2W hybrid module SF detector	49008-01 41063-01
9 10	SH1 SH1	J14 & 16 J15	Dual amplifier 4W/4W bridge (party line)	40472-03 40455-03
11	SH1	J1	DC/DC power supply	41028-01

EL5805-847-14-TM-10

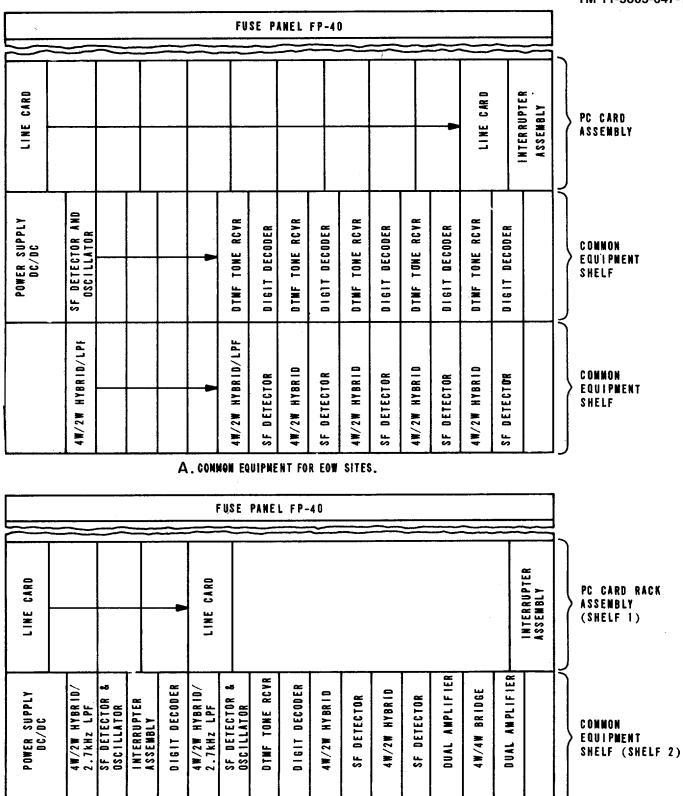


Figure 2-4. Module locations within the Order Wire Intercommunication Termination Units TA-918(V)/FSC and TA-930(V)/PSC.

B. LOW SUPPORT EQUIPMENT FOR LOW SITES.

- b. Desk-Mounted Operator Access Unit. Refer to figures 2-1 and FO-1 in conjunction with the following installation procedure. Installation information for the operator's access unit is general in nature and is applicable to sites with a desk-mounted type.
- (1) *Interconnection*. The call director, the speaker, and the rotary dial are interconnected in accordance with figure FO-1.
- (2) External connection. The desk unit is supplied with a line cord and connectors through which all external connections are made. For external VF and control connections to the connectors and connector block, refer to the cord connection chart below, figure 2-
- 5, and the station cable running list. Mount the connector block on the side or rear of the desk or table.
- (3) Express Link Local Order Wire Unit TA-928/FSC.

Cord connector	Connector block color
J1	Blue
	Red
J3	Green
J4	Yellow
J5	Black

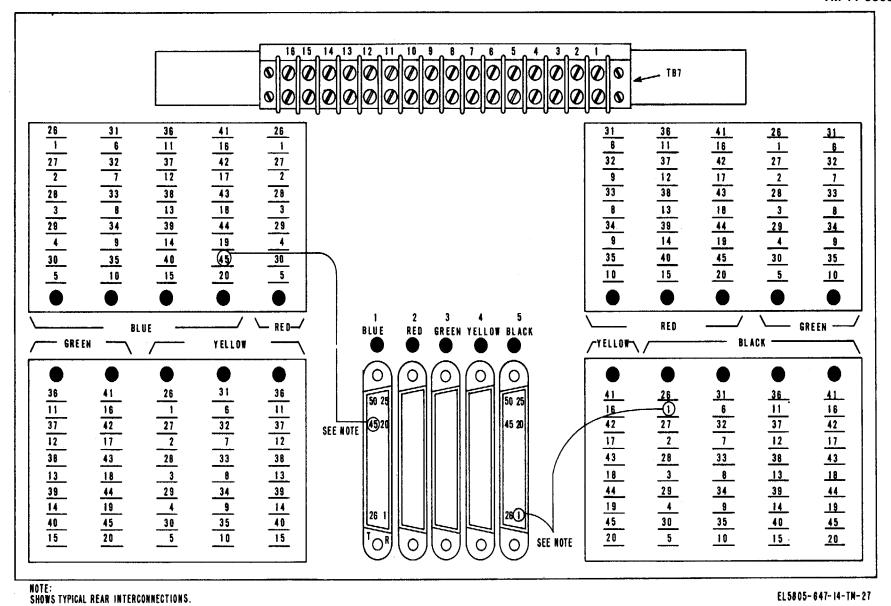


Figure 2-5. Express-Link-Local Order Wire Unit TA-928/FSC, connector block.

- c. Rack-Mounted Operator's Access Unit. Refer to figures 2-1 and FO-3 in conjunction with the following installation procedure.
- (1) Interconnection. The terminal block (TB1) component mounting and installation procedure is as follows:
- (a) Connect the 10-foot line cord (SE25CX10) to terminal block TB1, in accordance with the cord connection chart ((3) below) and figure 2-6. Connect to the bottom side of the block. Each cord is identified by stencilling J1, J2, and J3 on the appropriate connectors. All unused wires are to be insulated and tied back.
- (b) Mount the components, diodes, and resistors listed in paragraph 2-5, and the straps on the bottom of the terminal block in accordance with figure 2-6; use #24 awg white wire for straps. (Bare wire may be used on adjacent terminal straps.)
- (c) Remove the mounting brackets supplied with the terminal block. Mount TB1 on the left side (rear view) of the mounting bar (VH1). Use screws and washers listed in paragraph 25 as required for mounting

- the block. Install the mounting bar on the cabinet rear vertical angles, to the rear of the operator's access panel, using panel mounting hardware. The top of the terminal block shall be even with the top of the panel. The terminals on the block shall face the rear of the cabinet.
- (d) Coil up the excess cable, and lace to the cabinet rear vertical angle. Mate the like-numbered connectors associated with the panel and the terminal block. (The connector numbers are marked on the cord boot of the cord associated with the panel.)
 - (2) External connection.
- (a) For external VF and control connections to the terminal block, refer to the station cable running list.
- (b) For external power connections to the terminal block,-refer to the site power distribution drawing and/or site cable running list. Connect row J of TB1 to the 48 Vdc return as shown in figure 2-6.
- (3) Express-Link-Local Order Wire Unit TA-923/FSC.

Item No.	From cord	To terminal block	Wire color	Function
1	J1-28	TB1-1J	W-G	LG)
2	J1-1	TB1-1H	BL-W	R
3	J1-26	TB1-1G	W-BL	T LINE 1
4	J1-3	TB1-1F	G-W	r }
5	J1-27	TB1-1E	w-o	A
6	J1-2	TB1-1A	o-w	A1 J
7	J1-31	TB1-2J	R-BL	LG ๅ
8 9	J1-4	TB1-2H	BR-W	R
	J1-29	TB1-2G	W-BR	T LINE 2
10	J1-6	TB1-2E	BL-R	L
11	J1-30	TB1-2E	W-SL	A J
12	J1-34	TB1-3J	R-BR	rg J
13	J1-7	TB1-3H	O-R	R
14 15	J1-32 J1-9	TB1-3G	R-O	T LINE 3
16	J1-33	TB1-3F TB1-3E	BR-R R-G	L LINE 3
17	J1-37	TB1-4J	BK-O	LG)
18	J1-10	TB1-4H	SL-R	R
19	J1-35	TB1-4G	R-SL	T LINE 4
20	J1-12	TB1-4F	O-BK	L
21	J1-36	TB1-4E	BK-BL	ر <mark>آ</mark>
22	J1-19	TB1-15A	BR-Y	SG
23	J1-39	TB1-9A	BK-BR	RK
24	J1-44	TB1-8A	Y-BR	_
25	J1-20	TB1-14A	SL-Y	R1
26	J1-45	TB1-5A	Y-SL	B1
27	J2-28	TB1-5J	W-G	LG)
28	J2-1	TB1-5H	BL-W	R
29	J2-26	TB1-5G	W-BL	T } LINE 5
30	J2-3	TB1-5F	G-W	L
31	J2-27	TB1-5E	W-O	A J
32	J2-31	TB1-6J	R-BL	LG)
33	J2-4	TB1-6H	BR-W	R
34	J2-29	TB1-6G	W-BR	T } LINE 6
35	J2-6	TB1-6F	BL-R	L
36	J2-30	TB1-6E	W.SL	A J
37	J2-34	TB1-7J	R-BR	LG)
38	J2-7	TB1-7H	O-R	R LINE 7
39	J2-32	TB1-7G	R-O	
40 41	J2-9 J2-33	TB1-7F TB1-7E	BR-R R-G	L
42	J2-37	TB1-8J	BK-O	LG)
43	J2-10	TB1-8H	SL-R	R
44	J2-35	TB1-8G	R-SL	T LINE 8
45	J2-12	TB1-8F	O-BK	i [
46	J2-36	TB1-8E	BK-BL	l à J
47	J2-40	TB1-9J	BK-SL	LG 3
48	J2-13	TB1-9H	G-BK	R
49	J2-38	TB1-9G	BK-G	T LINE 9
50	J2-15	TB1-9F	SL-BK	l L
51	J2-39	TB1-9E	BK-BR	l A J
52	J2-19	TB1-12A	BR-Y	X (CONF
53	J2-20	TB1-7A	SL-Y	C (-CONF
54	J2-45	TB1-11A	Y-SL	SG (CONF
55	J3-28	TB1-10J	W-G	LG ๅ
56	J3-1	TB1-10H	BL-W	R
57	J3-26	TB1-10G	W-BL	T LINE 1
58	J3-3	TB1-10F	G-W	L
59	J3-27	TB1-10E	W-0	A J
60	J3-31	TB1-11J	R-BL	LG)
61	J3-4	TB1-11H	BR-W	R
62 63	J3-29 J3-6	TB1-11G TB1-11F	W-BR	T LINE 1
nus f	41.5-10	TERLINE I	BL-R	

unction	Ft	Wire color	To (erminal block	From cord	Item No.
	LG ,	R-BR	TB1-12J	J3-34	65
LINE 12	R	O-R	TB1-12H	J3-7	66
	т	R-O	TB1-12G	J3-32	67
	L	BR-R	TB1-12F	J3-9	68
	a J	R-G	TB1-12E	J3-33	69
	LG)	вк-о	TB1-13J	J3-37	70
	R	SL-R	TB1-13H	J3-10	71
LINE 13	т }	R-SL	TB1-13G	J3-35	72
	L	O-BK	TB1-13F	J3-12	73
	$\overline{\mathbf{A}}$	BK-BL	TB1-13E	J3-36	74
	LG ,	BK-SL	TB1-14J	J3-40	75
	R	G-BK	TB1-14H	J3-13	76
LINE 14	Ť	BK-G	TB1-14G	J3-38	77
	Ĺ	SL-BK	TB1-14F	J3-15	78
	ÃĴ	BK-BR	TB1-14E	J3-39	79
	11)	BL-Y	TB1-16A	J1-16	80
SF OSC		Y-BL	TB1-17A	J1-41	81
		G-BK	TB1-18A	J1-13	82
RING K		BK-G	TB1-19A	J1-38	83

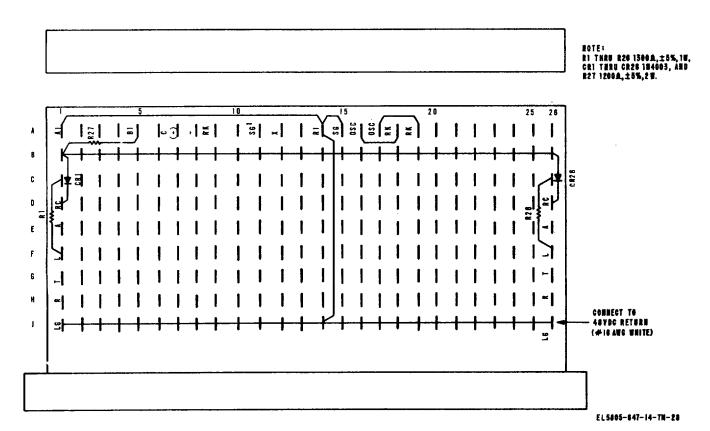


Figure 2-6. Express-Link-Local Order Wire Unit TA-923/FSC, terminal block, TB1 (bottom view from rear).

- d. Link Orderwire Unit TA-925/FSC. Refer to figures 2-2 and FO-4 in conjunction with the following installation procedure.
- (1) Interconnection. Terminal block component mounting and installation as follows: (a) Connect the 10-foot line cord (SE?5CS10) to the terminal block, TB1/TB2, (1301229) in accordance with the cord connection chart ((3) below) and figure 2-7.

NOTE

When the LOW terminal is collocated with the LOW support equipment, the terminal block is designated TB2; when the terminal is in any other location, the block is designated TB1. Connect to the bottom side of the block. Each cord is to be identified by stencilling J1 and J2 on the appropriate connectors. All unused wires are to be insulated and tiedback.

- (b) Install the straps on the terminal block in accordance with figure 2-7 using #24 awg solid white wire. (Bare wire may be used on adjacent terminals.)
- (c) Mount the components, listed in paragraph 2-5, and the straps on the bottom side of TB1/TB2 in accordance with figure 2-7.
- (d) Remove the mounting brackets supplied with the terminal block. Mount TB2 on the right side (rear

view) of the mounting bar associated with the LOW support equipment.

Mount TB1 on the left side (rear view) of the mounting bar (VH-1). Use screws and washers listed in paragraph 2-5 for mounting the block. Install the mounting bar and TB1 on the cabinet rear vertical angles, to the rear of the LOW panel, using panel mounting hardware. The top of the terminal block shall be even with the top of the panel. The terminals on the block shall face the rear of the cabinet.

- (e) Coil up the excess cable, and lace to the cabinet rear vertical angle. Mate the likenumbered connectors associated with the panel and the terminal block. (The connector numbers are marked on the cord boot of the cord associated with the panel.)
- (2) Terminal external connection.
- (a) Interconnect the LOW support equipment with the LOW terminal (TB2) by performing the wiring operations listed in wiring to LOW support equipment chart and dc power wiring to LOW support equipment.
- (b) For external VF and control connections to the terminal block (TB1), refer to the station cable running list.
- (c) For external power connections to terminal block (TB1), refer to site power distribution drawing and/or site cable running list. Connect row J of TB1/TB2 to the 48 Vdc return as shown in figure 2-7.
- (3) Link orderwire unit cord connection to TB1/TB2 chart.

I⁺em No.	From cord	To terminal block	Wire color	F	anction
.NO.		terminal block	color	<u> </u>	
				>	
1	J1-28	TB1/TB2-1J	W⋅G	LG)	
2	J1-1	TB1/TB2-1H	BL·W	R	
3	J1-26	TB1/TB2-1G	W-BL	T	LINE 1
4	J1-3	TB1/TB2-1F	G-W	L (
5	J1-27	TB1/TB2-1E	w ₋ o	A	
6	J1-2	TB1/TB2-1C	o-w	A1 J	
7	J1-31	TB1/TB2-2J	R-BL	LG)	
8	J1-4	TB1/TB2-2H	BR-W	R	
9	J1-29	TB1/TB2-2G	W-BR	т }	LINE 2
10	J1-6	TB1/TB2-2F	BL-R	L	
11	J1-30	TB1/TB2-2E	W-SL	A J	
12	J1-34	TB1/TB2-3J	R-BR	LG)	
13	J1-7	TB1/TB2-3H	O-R	R	
14	J1-32	TB1/TB2-3G	R-O	T }	
15	J1-9	TB1/TB2-3F	BR-R	Ĺ	LINE 3
16	J1-33	TB1/TB2-3E	R-G	Ā	21.12
17	J1-37	TB1/TB2-4J	BK-O	LG)	
18	J1-10	TB1/TB2-4H	SL-R	R	
19	J1-35	TB1/TB2-4H	R-SL	T }	LINE 4
1					LINE 4
20	J1-12	TB1/TB2-4F	O-BK	L	
21	J1-36	TB1/TB2-4E	BK-BL	A J	
22	J1-19	TB1/TB2-11H	BR-Y	SG	
23	J1-39	TB1/TB2-11D	BK-BR	RK	
24	J1-44	TB1/TB2-11C	Y-BR	(-)	
25	J1-20	TB1/TB2-11G	SL-Y	R1	
26	J1-45	TB1/TB2-11A	Y-SL	B1	
27	J2-28	TB1/TB2-5J	W-G	LG ๅ	
28	J2-1	TB1/TB2-5H	BL-W	R	
29	J2-26	TB1-/TB2-5G	W-BL	т }	LINE 5
30	J2-3	TB1/TB2-5F	G-W	L	
31	J2-27	TB1/TB2-5E	. w-o	ΑJ	
32	J2-31	TB1/TB2-6J	R-BL	LG 3	
33	J2-4	TB1/TB2-6H	BR-W	R	
34	J2-29	TB1/TB2-6G	W-BR	T	LINE 6
35	J2-6	TB1/TB2-6F	BL-R	L	
36	J2-30	TB1/TB2-6E	W-SL	Ā	
37	J2-34	TB1/TB2-7J	R-BR	LG)	
38	J2-7	TB1/TB2-7H	O-R	R	
39	J2-32	TB1/TB2-7G	R-O	$\tilde{\mathbf{r}}$	LINE 7
40	J2-32 J2-9	TB1/TB2-7G	BR-R	r [LINE (
		TB1/TB2-7F	3	A J	
41	J2-33		R-G		
42	J2-37	TB1/TB2-8J	BK-O	$_{LG}^{LG}$)	
43	J2-10	TB1/TB2-8H	SL-R	R	
44	J2-35	TB1/TB2-8G	R-SL	T }	LINE 8
45	J2-12	TB1/TB2-8F	O-BK	L	
46	J2-36	TB1/TB2-8E	BK-BL	A J	
47	J2-40	TB1/TB2-9J	BK-SL	LG)	
48	J2-13	TB1/TB2-9H	G-BK	R	
49	J2-38	TB1/TB2-9G	BK-G	т }	LINE
50	J2-15	TB1/TB2-9F	SL-BK	L	
51	J2-39	TB1/TB2-9E	BK-BR	ΑJ	
52	J2-43	TB1/TB2-10J	Y-G	LG)	
53	J2-16	TB1/TB2-10H	BL-Y	R	
54	J2-41	TB1/TB2-10G	Y-BL	r	LINE 1
55	J2-18	TB1/TB2-10F	G-Y	Ĺ	
56	J2-42	TB1/TB2-10E	Y-0	Ä	
57	J1-16	TB1/TB2-12A	BL-Y		SF
58	J1-16 J1-41	TB1/TB2-13A	Y-BL		OSC
58 59	J1-41 J1-13	TB1/TB2-13A TB1/TB2-14A	G-BK		RING
i	J1-13 J1-38	TB1/TB2-14A TB1/TB2-15A	BK-G		KEY
60					

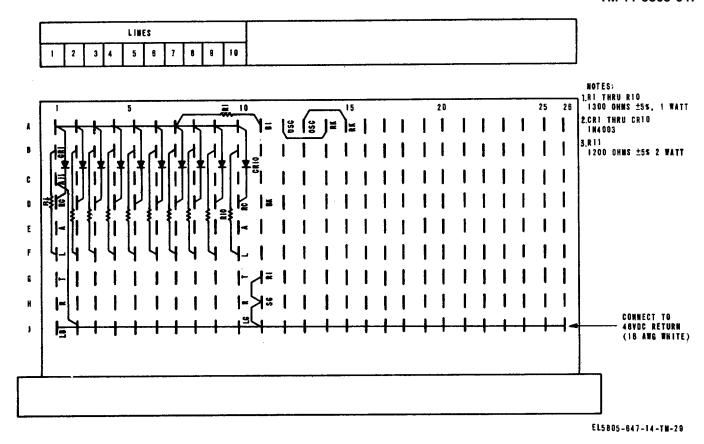


Figure 2-7. Link Orderwire Unit TA-925/FSC terminal blocks TB1/TB2 (bottom view from rear).

(4) Link orderwire unit wiring to LOW support equipment.

No.	From TB-2 *	To LOW support equip. TB-1	Cable	Function
1	1G, 1H	10A, 10B	#24 twisted pair	LINE 1 PBX)
2	2G, 2H	6A, 6B	#24 twisted pair	2 (E & M)
2 3	3G, 3H	6C, 6D	#24 twisted pair	3 (E & M)
4	4G, 4H	8A, 8B	#24 twisted pair	4 (IC)
5	5G, 5H	3A, 3B	#24 twisted pair	5 (DTMF)
6	6G, 6H	3C, 3D	#24 twisted pair	6 (DTMF)
7	1E	16E	#24 white	1 A
8	2 E	13E	#24 white	2 A
9	3E	14E	#24 white	3A
10	4E	15E	#24 white	4A
11	5E	11E	#24 white	5 A
12	6E	12E	#24 white	6A
13	1B	16A	#24 black	1 Lamp
14	2B	13A	#24 black	2 Lamp
15	3B	14A	#24 black	3 Lamp
16	4B	15A	#24 black	4 Lamp
17	5B	11A	#24 black	5 Lamp
18	6B	12A	#24 black	6 Lamp
19	1D	16G }	#24 black	1 RC
20	2D	13G	#24 black	2 RC
21	3D	14G	#24 black	3 RC
22	4D	15 G	#24 black	4 RC
23	5D	11 G	#24 black	5 RC
24	6D	12G	#24 black	6 RC

^{*}See Note 2 of figure 2-2.

(5) DC power wiring to LOW support equipment.

No	From fuse panel	То ТВ-2	Calibe	Funxtion
1	TB1-6	TB2-5D	#24 black	IC RING
2	TB3-38	TB2-5C	#24 black	AMP (-)

- **e.** Remote Link Orderwire Unit TA-924/FSC. Refer to figures 2-1 and/or 2-2 and FO-5 in conjunction with the following installation procedure:
- (1) Interconnection terminal block (TB-2) installation.
- (a) Connect the 10-foot line cord (SE25CX) to the terminal block, TB2 (130-729), in accordance with cord connection chart (3) below) and figure 2-8. The terminal block is assigned as TB2 due to its final location with the common equipment or the low support equipment. Connect to the bottom side of the block as mounted in the cabinet. All unused wires are to be insulated and tied back. The cord is to be identified by stenciling J1 on the connector.
- (b) Install straps on the terminal block in accordance with figure 2-8 using #24 awg solid white wire. (Bare wire may be used on adjacent terminals.)
- (c) Mount the resistors and diodes listed in paragraph 2-5 on the terminal block in accordance with figure 2-8.
- (d) Remove the mounting brackets supplied with the terminal block. Mount TB2 on

the right side (rear view) of the terminal block mounting bar associated with the common equipment or the LOW support equipment. Use screws and washers listed in paragraph 2-5 for mounting the block.

- (e) Coil up the excess cable and lace to the cabinet rear vertical angle. Mate the connectors associated with the panel and the terminal block.
 - (2) Terminal block (TB-2) external connection.
- (a) At common equipment sites, interconnect the common equipment with the remote LOW terminal by performing the wiring operations listed in charts for wiring to common equipment and DC power wiring to common equipment.
- (b) At LOW sites, interconnect the LOW support equipment with the remote LOW terminal by performing the wiring operations listed in charts for wiring to LOW support equipment and DC power wiring to LOW support equipment.
- (3) Remote link orderwire unit cord connection to TB2.

Item No.	From cord	To terminal block	Wire color	F	anction
1	J1-28	TB2-1J	W-G	LG	
2	J1-1	TB2-1H	BL-W	R	
3	J1-26	TB2-1G	W-BL	т (LINE 1
4	J1-3	TB2-1F	G-W	L }	
5	J1-27	TB2-1E	w-o	Α	
6	J1-2	TB2-1C	O-W	A1 J	
7	J1-31	TB2-2J	R-BL	LG ๅ	
8	J1-4	TB2-2H	BR-W	R	
9	J1-29	TB2-2G	W-BR	т }	LINE 2
10	J1-6	TB2-2F	BL-R	L	
11	J1-30	TB2-2E	W-SL	AJ	
12	J1-34	TB2-3J	R-BR	LG)	
13	J1-7	TB2-3H	O-R	R	
14	J1-32	TB2-3G	R-Ò	т }	LINE 3
15	J1-9	TB2-3F	BR-R	L	
16	J1-33	TB2-3E	R-G	ΑĴ	
17	J1-37	TB2-4J	BK-O	LG)	
18	J1-10	TB2-4H	SLR	R	
19	J1-35	TB2-4G	R-SL	т }	LINE 4
20	J1-12	TB2-4F	O-BK	L	
21	J1-36	TB2-4E	BK-BL	A J	
22	J1-19	TB2-5H	BR-Y	SG	
23	J1-39	TB2-5D	BK-BR	RK	
24	J1-44	TB2-5C	Y-BR	(-)	
25	J1-20	TB2-5G	SL-Y	R1	
26	J1-45	TB2-5A	Y-SL	B1	

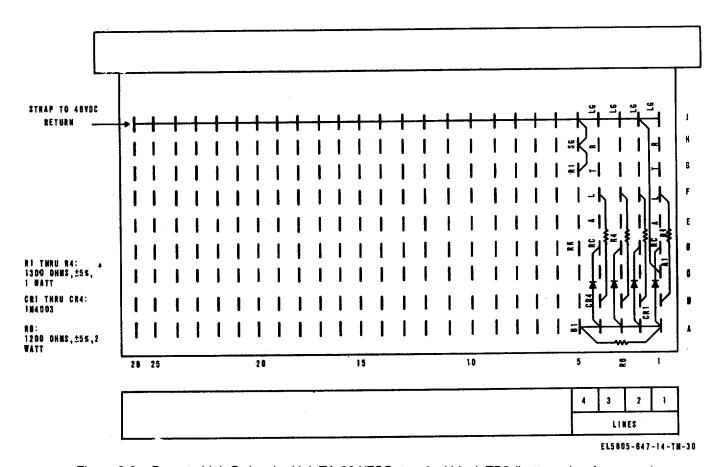


Figure 2-8. Remote Link Orderwire Unit TA-924/FSC, terminal block TB2 (bottom view from rear).

(4) Remote link orderwire unit wiring to common equipment.

No.	From TB-2	To common equipment shelf TB-1	Cable	Function
1 2 3 4 5 6 7 8 9 10 11	1G, 1H 2G, 2H 4G, 4H 1E 2E 4E 1B 2B 4B 1D 2D 4D	4C, 4D 4E, 4F 11A, 11B 13E 14E 23E 13A 14A 23A 13G 14G 23G	#24 twisted pair #24 twisted pair #24 twisted pair #24 white #24 white #24 white #24 black #24 black #24 black #24 black #24 black #24 black	LINE 1 (DTMF) 2 (DTMF) 4 (IC) 1 A 2 A 4 A 1 Lamp 2 Lamp 4 Lamp 1 RC 2 RC LINE 4 RC

(5) Dc power wiring to common equipment.

No.	From fuse panel	To TB-2	Cable	Function
1	TB1-12	TB2-5D	#24 black	IC RING
2	TB3-38	TB2-5C	#24 black	AMP (-)

(6) Remote link orderwire unit wiring to LOW support equipment.

No.	From TB-2	To LOW support equipment TB-1	Cable	Function
1 2 3 4 5 6 7 8 9 10 11	1G, 1H 2G, 2H 4G, 4H 1E 2E 4E 1B 2B 4B 1D 2D 4D	3A, 3B 3C, 3D 8A, 8B 11E 12E 15E 11A 12A 15A 11G 12G 15G	#24 twisted pair #24 twisted pair #24 twisted pair #24 white #24 white #24 white #24 black #24 black #24 black #24 black #24 black #24 black	LINE 1 (DTMF) 2 (DTMF) 4 (IC) 1 A 2 A 4 A 1 Lamp 2 Lamp 4 Lamp 1 RC 2 RC 4 RC

(7) Dc power wiring to LOW support equipment.

No	From fuse panel	То ТВ-2	Calibe	Funxtion
1	TB1-6	TB2-5D	#24 black	IC RING
2	TB3-38	TB2-5C	#24 black	AMP (-)

- f. Local Orderwire Unit, 41010-97 Installation. The local orderwire shelf is provided for all in. terminal connections including the optional modules (40472-03 dual amplifier and 40455-03 4W/4W bridge). External connections are made to the rear terminals shown onfigure 2-9. Refer to figure FO-6, wiring diagram, for interconnection layout.
- (1) Without the optional modules inserted, the input and outputs are connected to the shelf as follows:
 - (a) 600-ohm input-TB1 pins 1 and 3.
 - (b) 150-ohm input-TB1 pins 2 and 3.
 - (c) 600-ohm output-TB1 pins 4 and 6.
 - (d) 150-ohm output-TB1 pins 5 and 6.

(2) When the 40472-03 dual amplifier modules and the 40455-03 4W/4W bridge module are installed, the #1 Input connection is not used; the input to the speaker amplifier is derived from the 40472-03 module inserted in J4. A combination of other inputs and outputs can be utilized.

NOTE

When the 40455-03 bridge module is installed, IT IS NECESSARY TO TERMINATE ALL UNUSED INPUTS AND OUTPUTS WITH 600 OHMS.

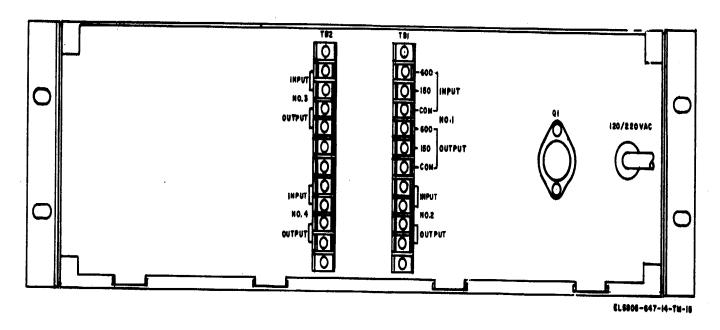


Figure 2-9. Local Orderwire Unit 41010-97, connection terminals (rear).

- g. 4W/4W Bridge and Amplifier Assembly 40110-98 (Commonly Called Bridge Assembly). The following procedure provides detail information required to install the 4-way/4-wire bridge assembly at all EOW sites equipped with a 4W/4W bridge assembly.
 - (1) Panel interconnection.
- (a) Connect the bridge assembly to the power supply mounted on shelf 2 of the common equipment, in accordance with the bridge assembly DC power wiring chart ((3) below). Refer to figure 2-10 for terminal point locations on rear mounted terminal strips.
- (b) For the VF connections to the assembly refer to the applicable station cable running list.
- (2) Plug-in module installation. Install the plug-in in accordance with each sites requirement and in accordance with the plug-in module connector assignment chart ((4) below) and figure FO-7, wiring' diagram.
 - (3) Bridge assembly DC power wiring.

From bridge assembly	To common equipment SH2	Color (* 24 awg)
TB1-3	J1-A	Black
TB1-1	J1-U	White

(4) Plug-in module connector assignment for the bridge assembly.

Bridge circuit no	4W / 4W bridge PWB	Dual Amp PWB
No. 1	J3	J1 & J5
No. 2	J4	J2 & J6

h. Jack and Lamp Panel, JLP1 Installation (fig. 210). Prior to mounting the jack and lamp panel, perform the strapping operations on the barrier strips TB(1) and TB(2).

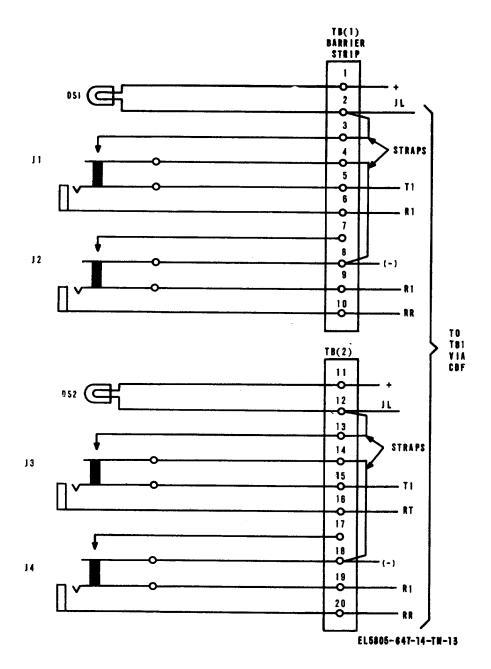


Figure 2-10. Jack and Lamp and Lamp Panel JLP-1, strapping connections.

i. Expansion.

(1) General. At sites requiring less than the full orderwire capabilities, the common equipment is installed with only the quantity of modules required to satisfy the orderwire circuit requirements. Expansion to full capability is accomplished by the addition of components

listed in k below (expansion chart). An expansion of up to 10 orderwire circuits (5 DTMF and 5 ringdown) can be accomplished by inserting the required modules and performing the necessary connections and strapping options to the common equipment involved.

- (2) Expansion chart. The expansion chart in k below provides the unit equipment requirement based on orderwire circuit expansion. Refer to figures 2-11 and 2-12 for identification and physical location of connection points on the cabinet mounted terminal blocks (TB1) for strapping requirements. The following paragraphs provide strapping option information and installation information for those components affected by expansion of the equipment capability.
- j. Strapping Requirements. The following subparagraphs provide strapping requirements to be performed prior to component installation.
 - (1) Common equipment terminal block TB1

strapping option(fig. 2-11). A strapping option is provided for receiving an incoming audible ring on the desk mounted operator's access unit. A distant end station can only initiate an audible ring to the desk unit when the associated ring control (RC) terminal point on TB1 of the common equipment is strapped to the negative side of the associated diode which is mounted on TB1. Physical location of each ring control point and its associated diode is shown in figure 2-11.

(2) 4-Way/4-wire bridge, 40155/40455-03 strapping option (fig. FO-16). Strapping option of the attenuators on the 4W/4W bridge are given below.

Pad	Strapping for pad in	Strapping for pad out
Leg 1	E11 to E12 & E14 to E15	E11 to E14 & E13 to E16
Leg 2	E2 to E4 & E3 to E5	E2 to E3 & E7 to E8
Leg 3	E17 to E18 & E20 to E21	E17 to E20 & E19 to E22
Leg 4	E28 to E30 & E29 to E31	E35 to E26 & E30 to E31

NOTE

TWO STRAPS ARE REQUIRED TO MAKE THE CORRECT CONNECTION WHETHER THE PAD IS "IN" OR "OUT". As an example: to connect the Leg 3 pad "in" the circuit, strap E17 to E18 and E20 to E21.

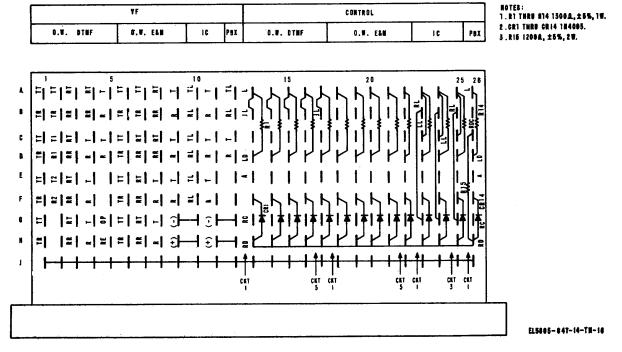


Figure 2-11. Typical terminal block TBI, EOW sites, bottom view from rear.

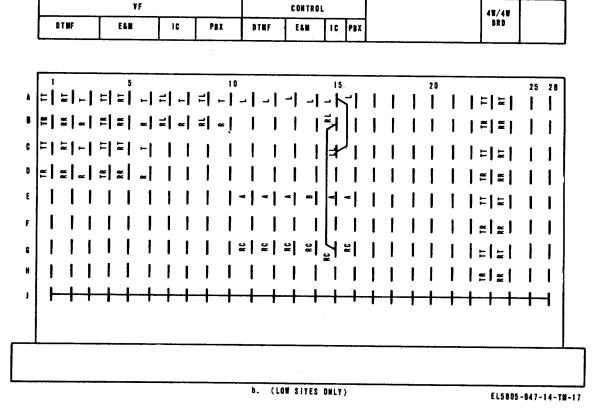


Figure 2-12. Typical terminal block TB1, LOW sites, bottom view from rear.

(3) Line card LC AC ring strapping option (fig. 59). The following is a list of terminal board jumper wire requirements to provide AC ring excitation sensing. Terminal boards TB1 and TB2 are mounted on the rear of PC Card Assembly LCC9740.

TB1	Purpose
E1 to 11	AC ring into line card #1
E2 to 12	AC ring into line card #2
E3 to 13	AC ring into line card #3
	AC ring into line card #4
	AC ring into line card #5
E6 to 16	AC ring into line card #6
E7 to 17	AC ring into line card #7
	AC ring into line card #8
E9 to 19	AC ring into line card #9
E10 to 110	AC ring into line card #10
E1 to 11	AC ring into line card #11
H10 to G10	Provide interrupted ring
	excitation from INT9740
	to all line cards

(4) Digit Decoder 40451-04, strapping option (fig. 21, app B). The dc output from each of the seven tone detectors in the tone receiver module is connected to the strappable terminals within the digit decoder module. The tone pair options for the first digit are strappable from E17 to either E14, E15 or E16 for the high tone, and from E18 to either E10, EII, E12 or E13 for the low tones. Likewise, the tone pairs for the second digit are strappable from E8 to either E5, E6, and E7 for the high tones, and from E9 to either EI, E2, E3 or E4 for the low tones. Refer to chart below for specific frequencies associated with each of the dialing digits. Remove the digit decoder from the shelf and strap the board for the system assigned two-digit address (refer to fig. 21, app B, and fig. FO-13 physical location of strapping terminals). Reinstall the decoders.

_	Frequer	ncy in Hz
Dia:t		
Digit	Lo tone	Hi tone
1	697	1209
2	697	1336
3	697	1477
4	770	1209
5	770	1336
6	770	1477
7	852	1209
8	852	1336
9	852	1477
0	941	1336

(5) Conference relay assembly (CRA) installation. The mounting bar for the conference

relays is prewired to accommodate circuit expansion. All that is necessary for adding relays is to plug the relay in the relay sockets located on the mounting bar. See the expansion chart (k below) for unit quantity per circuit.

(6) Inductor assembly (LA) mounting procedure for telephone expansion. Mount additional inductors (T61130) on the inductor mounting bars in accordance with figure 213 and the expansion chart requirements (k below) using identical type mounting hardware supporting previously mounted inductor assemblies. For example, if the applicable site is expanded by two DTMF circuits and/or by two E&M circuits, mount inductors L1, L2, L6 and L7 in the appropriate locations on the mounting bars.

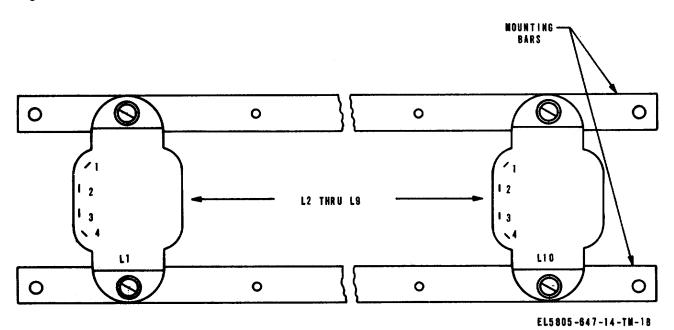


Figure 2-13. Inductor assembly (LA), mounting tor expansion.

k. Common Equipment Expansion Chart.

				0.4.1	QUANTITY (1										
						[OTMF (CIRCU	T NUN	IBER	E&I	VI CIRC	CUIT N	UMBE	R	Fully
Item	Mfg.	Part No.	Description	Basic	Line ckt											equipped
No.				equipment	(PBX)	1	2	3	4	5	1	2	3	4	5	assembly
1	GRM	FP-40	Fuse panel	1	-	-	-	-	-	-	-	-	-	-		1
2	Teltronies	LCC-9740	PC card rack assembly	1	-	-	-	-	-	-	-	-	-	-		1
3	Teltronies	LC4014	Line card	-	1	1	1	1	1	1	1	1	1	1	1	11
4	Teltronies	INT-9740	Interrupter assembly	1	-	-	-	-	-	-	-	-	-	-	-	1
5	Raven	41010	Common equipment shelf	2	-	-	-	-	-	-	-	-	-	-	-	2
6	Raven	40452-01	DTMF tone receiver	-	1	1	1	1	1	1	-	-	-	-	-	5
7	Raven	40451-04	Digit decoder	-	1	1	1	1	1	1		-	-	-	-	5
8	Raven	41063-02	SF detector & oscillator	-	1	1	1	1	1	1	-	-	-	-	-	5
9	Raven	49008-01	4W/2W hybrid module	-	1	-	-	-	-	-	1	1	1	1	1	5
10	Raven	49008-02	4W/2W hybrid module with													
			2.7 kHz LP filter	-	_	1	1	1	1	1	-	-	-	-	-	5
11	Raven	41063-01	SF detector	-	_	-	-	-	-	-	1	1	1	1	1	5
12	Raven	41028-01	DC/DC power supply	1	_	-	-	-	-	-	-	-	-	-	-	5
13	MWI	ER7700	Cabinet, equipment	1	_	-	-	-	-	-	-	-	-	-	-	l 1
14	Ceccola	VH-1	Mounting bar, terminal block	1	_	l -	-	_	-	-	-	-	_	_	_	l 1
15	Cook	130-1229	Terminal block	1	_	l -	-	_	-	-	-	-	_	_	_	l i
16	Ceccola		inductor/relay	1												·
. •	00000.0		assy. and inductory assy	4	_	l -	_	_	_	_	l -	_	_	_	_	4
17	Thordarson	T61130	Inductor, dual winding	<u> </u>	_	2	2	1	1	1	1	1	1	1	1	13
	Meissner		I made so, add minding			-	_	•	•	•	'	•	•	•	•	
18	Stromberg	702009-167	Relay, line pick-up	3	_	l -	_	_	_	_	l _	_	_	_	_	3
.0	Carlson	702000 107	Trolay, into plok up													
19	Automatic	RY-98	Mounting Strip, Relay	1	_	l .	_	_	_	_	l _	_	_	_	_	1 1
10	Electric	1 1 30	Wounting outp, relay	'												'
20	Automatic	RM-28B	Relay, Magnetic latch ERM	_	1	1 4	1	1	1	1	1	1	1	1	1	11
20	Electric	IXIVI-20D	Trelay, Magnetic later Lixin	_	'	1 '	'	1	'	'	1 '	'	'	'	'	''
21	Automatic	TT-37	Socket, relay (EIN)	11	_	l _	_	_	_	_	l _	_	_	_	_	11
21	Electric	11-37	Socker, relay (LIIV)	''	Ī	-	_	_	_	_	-	_	_	_	_	''
22	Automatic	RV-49	Cover, relay (EIN)	_	1 1	1	1	1	1	1	1	1	1	1	1	11
22		NV-49	Cover, relay (EIN)	_	'	1'	'	'	'	'	'	'	'	'		''
23	Electric EFE	9740-CB1	Component board assy., CB1													_ ر
		9740-CB1 9740-CB2		2	_	-	-	-	-	-	-	-	-	-	-	2
24	EFE		Component board assy., CB2		_	-	-	-	-	-	-	-	-	-	-	1
25	Philco-Ford	6505-3826	Equipment wiring harness		-	-	-	-	-	-	-	-	-	-	-]
26	Ceccola	VH-2	Mounting strip relay	3	-		-	-	-		<u> </u>	-		-	-	3

NOTE: Basic quantity provides for 3 station intercom circuits.

2-7. Initial Check and Adjustment of Equipment

- a. General. After installation of the equipment at a given station, check each plug-in module for proper insertion, and check any condition that may constitute any safety hazard.
- b. Dual Amplifier Modules 40472-03. Perform initial system alignment as follows on the link orderwire support equipment at LOW sites.
- (1) Using the test equipment setup shown in figure 2-14, set the oscillator for the following: 1kHz frequency (dial accuracy), 600-ohm impedance and 0-dbm level (set with the voltmeter terminated into 600 ohms).
- (2) Set the voltmeter of the test set for an input of bridging impedance and 0-db level.
- (3) Sequentially connect the test set oscillator and the voltmeter to dual amplifier jack locations as directed by the dual amplifier check and adjustment chart (g below).
- (4) Adjust the respective A GAIN ADJ and B GAIN ADJ for specified level indicated on right-hand column of the adjustment chart.
- c. Dual Amplifier Modules 40172-03. Perform initial system alignment as follows on the common equipment located at the express orderwire (EOW) sites.
- (1) Using the test setup shown in figure 2-14 set the oscillator portion for the following: 1-kHz frequency (dial accuracy), for 600-ohm impedance and a 0-dbm level (adjust with the voltmeter bridging the oscillator's output).
- (2) Set the voltmeter portion of the test set for 600-ohm impedance and a 0-dbm level.
- (3) Sequentially connect the test set oscillator cables and the voltmeter cables to the 4W /4W bridge legs and the dual amplifier legs as specified by the dual amplifier check and adjustment chart (g below).
- (4) Adjust the respective A GAIN ADJ and B GAIN ADJ for specified level indicated on right-hand column of the adjustment chart.
 - d. 2W/4W Hybrid Module.
- (1) General. The following adjustment procedure is applicable to both 2W/4W modules (49008-01) and (49008-02) used in common equipment at EOW sites and link support equipment used at LOW sites.
- (a) It is assumed that the 4-wire send and receive legs are terminated into respective circuit load impedance's of 600 ohms. In the following adjustment procedure, the amplifiers will be adjusted for unit gain (zero loss) from-the 2 wire port to the 4 wire transmit and receive ports. It may be desired to decrease the transmit gain and correspondingly increase the receive gain, in order

- to lower the fixed DTMF tone level (a nominal 6 dbm on the 2-wire line). (For example, if a -13 dbm is desired for the DTMF single tone level, a 7 db may be set in the 4 wire transmit leg. At the distant station, the amplifier in the receive leg can be adjusted to overcome the 7-db loss and provide a unity gain path.) (b) It is important that the order wire system transmission level be preestablished at all stations, and that the adjustment of the 2W/4W hybrids does not result in a system gain, which, in turn, would result in a decrease of the singing margin on the round-trip path. It may be desired to operate at a loss of 3 to 10 db on poor quality land line circuits to increase the singing margin.
- (c) A 2W/4W hybrid adjusted for a 7-db transmit loss, 7-db receive gain is permissible to interconnect with other systems which operate at unity transmit and receive gain. (A 7-db transmit loss and 7-db receive gain results in unity gain within the 2W/4W termination at the station.)
- (2) 2W output adjust. The 2 wire output of the 2W/4W hybrid is determined by the gain of the 4 wire receive amplifier. If unity gain is desired, the amplifier is adjusted to compensate for the 6-db loss in the resistive hybrid. For the initial adjustment, on DTMF circuits it is recommended that the 4W receive path be broken at the multiplex equipment or station patch field, in order to remove the 3,250-Hz supervisory tone which might result from another station on the party line circuit being off-hook. Make certain the line to the hybrid is terminated. Also make certain that all operator units at the local site are on-hook. Proceed as follows and refer to the test set up in figure 2-15.
- (a) Set the oscillator output impedance of the telephone test set to 600 ohms.
- (b) Set the oscillator to 1 kHz and the level to minimum.
- (c) Connect the oscillator cable to TP3 and 4 of the 2W/4W hybrid.
- (d) Set the voltmeter impedance to BRG and connect the meter cable across the oscillator output (connected to TP3 and 4). Set meter to 10-db range.
 - (e) Adjust oscillator for a 0-245V rms reading.
- (f) Remove meter from TP3 and 4 and connect to TP1 and 2. Adjust the 2W OUTPUT ADJUST for 10 dbm for unity gain within the hybrid (-3 dbm for the 7-db gain example).
 - (a) Remove test equipment.
- (3) 4W output adjust. The 4-wire output in the transmit leg is determined by the gain of the 4

wire transmit amplifier. If unity gain is desired, the amplifier is adjusted to compensate for the 6db loss through the resistive hybrid. Make certain the 4 wire transmit line is terminated in its circuit impedance (600 ohms) and that the operator panels are all on-hook. Proceed as follows and refer to the test setup in figure 2-15.

- (a) Set the oscillator output impedance of the telephone test to 600 ohms.
- (b) Set the oscillator to 1 kHz and the level to minimum.
- (c) Connect the oscillator output to the 600-ohm input of the bridging transformer.
- (d) Connect the 10K-output of the bridging transformer to TP1 and 2.
- (e) Set the voltmeter impedance to BRG and connect the meter across the 10K output of the bridging transformer (also connected to TP1 and 2).
- (f) Adjust the oscillator for a --10-dbm reading across the TP1 and 2.
- (g) Remove the voltmeter from the bridging transformer and connect to TP5 and 6.
- (h) Adjust the 4W OUTPUT ADJUST for 10 dbm for unity gain within the hybrid (--17dbm for the 7 db loss example).
 - (i) Remove test equipment.
- e. SF Oscillator and Detector Module (Common or LOW Support Equipment). The SF detector is factory set for operation on a minimum signal of --20 dbm and requires no further adjustment. The SF oscillator portion should be adjusted for the desired system level (normally -15 dbm). Adjustment of the 2W/4W hybrid shall be accomplished prior to adjustment of the SF oscillator. Refer to figure 2-16 and proceed as follows for adjustment of the SF oscillator.
- (1) Set the voltmeter portion of the telephone test set to BRG and connect it to pins J and H of the rear connector for the SF oscillator and detector module.

- (2) Depress the CALL button on the front panel, and adjust R71 front panel control for a reading of --15 dbm. Release CALL button and remove test equipment.
- f. SF Oscillator (Desk and Rack-Mounted Operator Access Units, Link Order Wire Unit). Perform initial adjustment of the SF oscillator within the call director of the operator's access units or link order wire unit. This is accomplished as follows:
- (1) Connect test equipment as shown in figure 2-17. Connect alligator clips of test cable to applicable terminals as indicated.
 - (2) Lift handset from unit under adjustment.
- (3) Depress RING key on unit under adjustment. Insure that ac voltmeter indicates 10 dbm + 2 db. Insure that frequency counter indicates 3,250 Hz + 5 Hz.

NOTE

Access to desk-mounted operator access unit level adjustment (R15) is gained through access hole located in lower front section of call director. Access to frequency adjustment (L1) is gained by removing cover on call director. Access to both controls of rack-mounted units is gained by unfastening unit from rack, supporting it with wires or rope, and then pivoting the rear mounting panel slightly outward by removing two lower screws.

- (4) Adjust R15 on SF oscillator for an indication of --10 dbm on ac voltmeter.
- (5) Adjust L1 on SF oscillator for an indication of 3,250 Hz on frequency counter.
- (6) Disconnect all test equipment and restore unit-under-adjustment to its normal operational status.
- g. Dual Amplifier Check and Adjustment Chart (EOW and LOW Sites).

Step	Connect oscillator to	Leg	Voltmeter connection	Leg#	Adjustment (if necessary)	Location	Level Required
1 2 3 4	Jack for leg 1 receive Jack for leg 1 receive Jack for leg 1 receive Jack for leg 2 receive	1 receive 1 receive	Leg 4 send jack	3 send 4 send	Dual ampR3(A) Dual ampR19(B) Dual amp-R3(A) Dual ampR19(B)	J14 J16 J16 314	0 dBm+ 0.1 db 0 dBm + 0.1 dB 0 dBm+ 0.1 dB 0 dBm + 0.1 dB

NOTE

Location J14 and J16, refer to the module position within the equipment shelf.

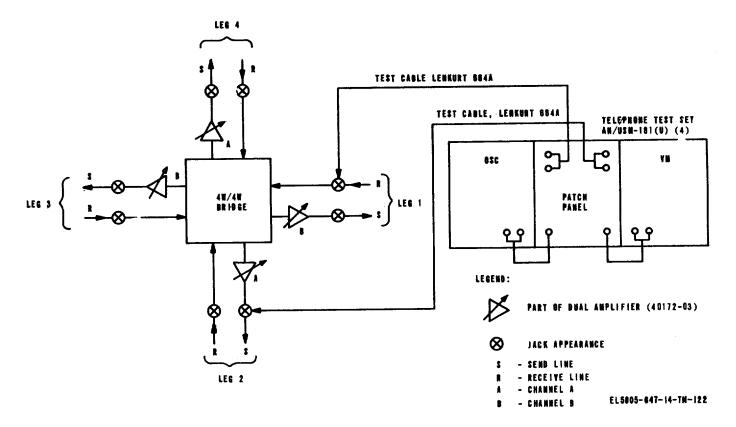


Figure 2-14. Dual amplifier, 40472-03/40172-03, test setup diagram.

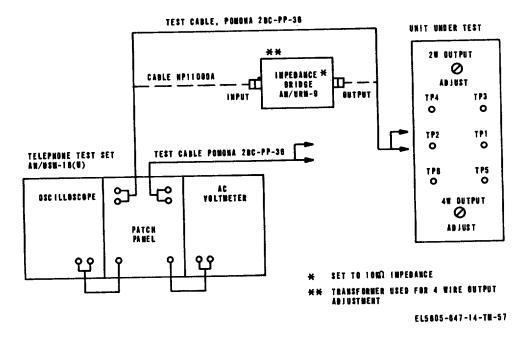


Figure 2-15. 2W/4W hybrid, 49008-02, test setup diagram.

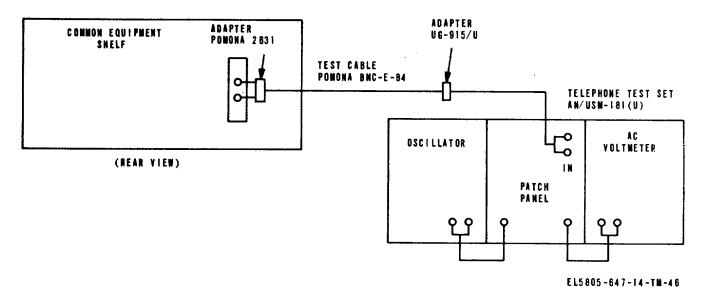


Figure 2-16. SF detector and oscillator, 41063-02, test setup diagram

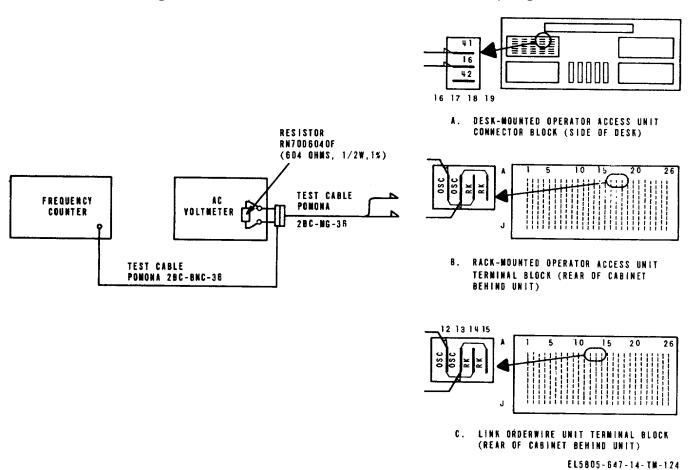


Figure 2-17. SF oscillator 49009-01, test setup diagram.

CHAPTER 3

OPERATION

Section I. OPERATOR'S CONTROLS AND INDICATORS

3-1. General

This section describes the function of each operator's control and indicator on the front panels of the orderwire/intercom equipment.

3-2. Controls and Indicators

a. Operator's Access Units (Desk Type and Rack Type) (fig.3-1 and fig. 3-2).

Controls and indicators	Function
PBX select key	When depressed, it connects the call director circuitry to the PBX or C. O. line circuit.
PBX switch lamp indicator	
	Steady state for indicating busy from supervision from distant end.
	Flashing-for indicating incoming call or off-hook recall.
	Rapid Flashing-for indicating a conference condition. Winking-for indicating call on hold.
IC select keys/lamp indicators	When depressed, connect the call director circuitry to the assigned intercom
, ,	circuit. Associated indicator lamp lights steady to indicate line is busy.
E select keys	When depressed, connect the call director circuitry to the assigned local
	circuit.
E switch lamp indicators	
	Steady state for indicating busy from supervision from distant end.
	Flashing-for indicating incoming call or off-hook recall.
	Rapid Flashing-for indicating a conference condition.
CON kov	Winking-for indicating call on hold. When depressed, it places a selected line in conference. Associated indicator
·	is not used.
REL key	When depressed, it releases the selected line from the conference condition.
	Associated indicator is not used.
	When depressed, connect the call director circuitry to the assigned DTMF circuit
D switch lamp indicators	
	Steady state for indicating busy condition.
	Flashing-for indicating incoming call or off-hook recall.
	Rapid flashing-for indicating conference condition.
Dikov	Winking-for indicating call in hold.
K key	When depressed, it initiates a ringdown signal on the selected local orderwire or intercom circuit. Associated indicator is not used.
Hkov	When depressed, it places the selected line in the hold condition (except for in-
•	tercom). Associated indicator is not used.
	Provides means of sending dial pulse signals on the 2-wire PBX line.
	Provides means of dialing on a 2-digit DTMF party-line circuit.
	Provides means of turning on speaker and adjusting the volume level.
	Provides jack-in capability for stand card 4-wire headset.
4W HANDSET jack	
	When operated (by removal of handset), enables use of handset and mutes speaker.
	Provides earphone and microphone for use by operator during communication.
Speaker	When turned on, reproduces incoming audio signal.

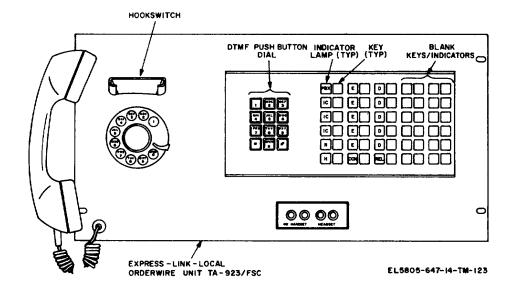


Figure 3-1. Express-Link Local Orderwire Unit TA-923/FSC, controls and indicators (front view).

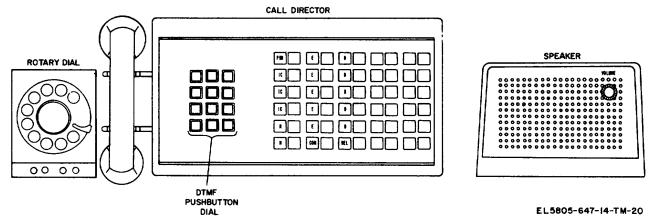


Figure 3-2. Express-Link Local Orderwire Unit TA-928/FSC, controls and indicators (front view).

b. Link Orderwire Unit (fig. 3-3).

Controls and indicators	Function	
PBX select key	When depressed, it connects the call director circuitry to the PBX or C. circuit.	O. line
PBX switch lamp indicators	*********	
·	Steady state for indicating busy from supervision from distant end.	
	Flashing state for indicating incoming call or off-hook recall.	
	Winking state for indicating call on hold.	
, .	When depressed, it connects the call director circuitry to the assigned in circuit. Associated indicator lamp lights steady to indicate line is busy	<i>'</i> .
E select keys	When depressed, connect the call director circuitry to the assigned local	I
	orderwire circuit.	
E switch lamp indicators		
	Steady state for indicating busy from supervision from distant end.	
	Flashing state for indicating incoming call or off-hook recall.	
D coloct keye	When depressed correct the sell director significant to the sesioned DTN	4E -::t
	When depressed, connect the call director circuitry to the assigned DTN	IF CITCUIT.
D switch lamp indicator	Assumes three states of illumination. Steady state for indicating busy from supervision from distant end.	
	Flashing state for indicating busy from supervision from distant end.	•
	Winking state for indicating moonling call of on-nook recall.	
R kev	When depressed, it initiates a ringdown signal on the selected local order	erwire or
1	intercom circuit. Associated indicator is not used.	0.11.10
H key	When depressed, it places the selected line in the hold condition (excep	ot for in-
,	tercom). Associated indicator is not used.	
Rotary dial	Provides means of dial pulse signals on the 2-wire PBX or C. O. telepho circuit.	one
Pushbutton DTMF dial	Provides means of dialing on a 2-digit DTMF party-line circuit.	
4w HANDSET jacks	For manual patch of the handset into a four-wire telephone circuit wired.	Jacks are not
HEADSET jacks	Provides jack-in capability for standard 4-wire headset.	
	Provides means of turning on loudspeaker and adjusting the volume lev	
Hookswitch	When operated (by removal of handset), enables use of handset and mespeaker.	utes
	Provides earphone and microphone for use by operator during commun	ication.
Speaker	When turned on, reproduces incoming audio signal.	

c. Remote Link Orderwire Unit (fig. 3-4).

Controls and indicators	Function
	When depressed, connect the call director circuitry to the assigned DTMF circuit.
D switch lamp indicators	Assumes three states of illumination:
	Steady state for indicating busy from supervision from distant end.
	Flashing-for indicating incoming call or off-hook recall.
	Winking-for indicating call on hold.
IC line key/lamp indicator	When depressed, it connects the call director circuitry to the station intercom
	circuit. Associated indicator lights ready to indicate line is busy.
R key	When depressed, it initiates a ringdown signal on the selected intercom line.
	Associated indicator is not used.
H key	When depressed, it places the selected line in the hold condition (except for in-
	tercom). Associated indicator is not used.
	Provides means of dialing on a 2-digit DTMF party-line circuit.
4w HANDSET jacks	For manual patch of the handset into a four-wire telephone circuit. Jacks are not
	wired.
	Provides jack-in capability for standard 4-wire headset.
Switch and volume control	Provides means of turning on loudspeaker and adjusting the volume level.
Hookswitch	When operated (by removal of handset), enables use of handset and mutes
	speaker.
	Provides earphone and microphone for use by operator during communication.
Speaker	When turned on, reproduces incoming audio signal.

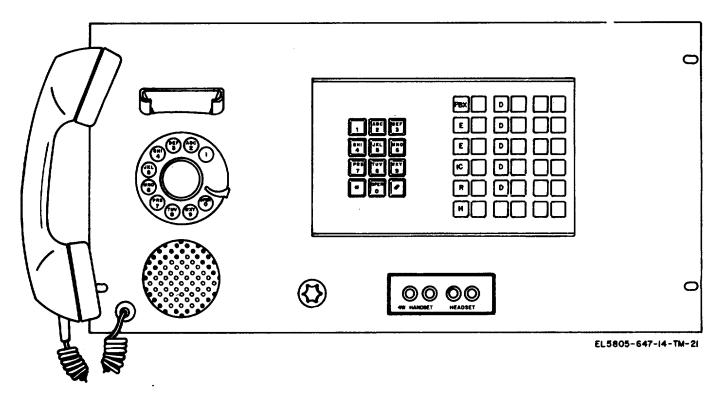


Figure 3-3. Link orderwire Unit TA-925/FSC (front view).

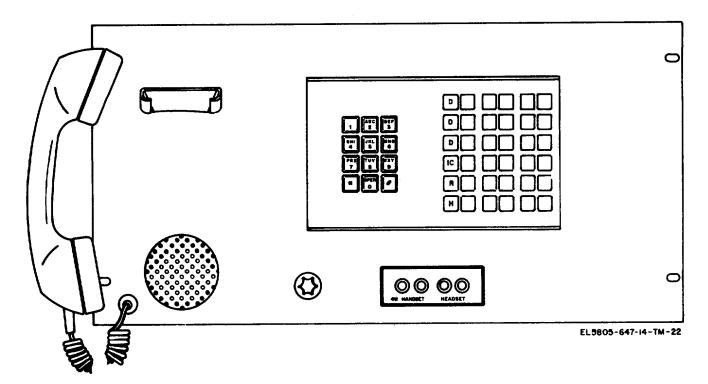


Figure 3-4. Remote Link Orderwire Unit TA-924/FSC (front view).

d. Local Orderwire Unit 41010-97 (fig. 35, app B).

Controls, indicators, and jacks

Function

SF Detector and Oscillator 41063-02: XMT LEVEL ADJ	Provides for the adjustment of the SF oscillator (3250 Hz) output (max 0 dbm to20 dbm)
CALL button	When depressed, ring signal (3,250 Hz) is initiated to distant end station
Speaker Amplifier, 41030-01:	rinen depresess, inig eignal (e,255 ri2) ie minated te dietam end etalien
VOLUME control	Provides means of adjusting volume level.
Alert indicator	When illuminated, indicates an incoming call is present.
TEL SET jacks	Provides for handset or headset plug
Hookswitch	When operated (by removal of handset), enables use of handset.
Speaker	Reproduces incoming audio signal.
Power Supply 120/220-vac input, 41029-01:	
POWER switch	Controls application of input ac power to power supply.
POWER ON lamp	Indicator illuminates when power is ON.
24 volt DC ADJ	Provides means of adjusting output voltage of power supply to 24 volts dc.
24 VDC jacks	Provide means of monitoring output voltage of power supply.

e. Jack and Lamp Panel (fig. 3-6).

Control and indicators

Function

L1 indicator lamp	Lights to indicate incoming call to the order-wire set that is wired to adjacent jacks.
J 1 jack	Permits access of the 4-wire send or receive lines.
J2 jack	Permits access of the 4-wire send or receive lines.
L2 indicator lamp	Lights to indicate incoming call to the order-wire set that is wired to adjacent jacks.
33 jack	Permits access of the 4-wire send or receive lines.
J4 jack	Permits access of the 4-wire send or receive lines.

f. Bridge and Amplifier Assembly 40110-98 (fig. 32, app B).

Controls, indicators, and jacks

Function

Dual Amplifier, 40172-03:	
A GAIN ADJ control	Provides means of adjusting output level of channel A.
A OUTPUT jacks	Provides means of monitoring channel A output signal.
A INPUT jacks	Provides means of monitoring channel A input signal.
B INPUT jacks	Provides means of monitoring channel B input signal.
B OUTPUT jacks	Provides means of monitoring channel B output signal.
B GAIN ADJ control	Provides means of adjusting output level of channel B.
4W-4W Bridge, 40155-03:	
LEG 1 INPUT jacks	Provides means of monitoring input level to leg 1.
LEG 2 INPUT jacks	Provides means of monitoring input level of leg 2.
LEG 3 INPUT jacks	Provides means of monitoring input level of leg 3.
LEG 4 INPUT jacks	Provides means of monitoring input level of leg 4.

g. Common Equipment Shelf (fig. 3-5).

Controls, indicators, and jacks

Function

48 VDC Input Power Supply, 41028-01: POWER switch	Controls application of input dc power. Provides means of monitoring output of power supply. Provides means of adjusting output voltage of power supply.
2W OUTPUT ADJUST control	Provides means of adjusting signal level of 2-wire output.'
4W INPUT jacks	Provides means of monitoring input signal on 4-wire side of hybrid.
2W LINE jacks	Provides means of monitoring input and output signals on 2-wire side of hybrid.
4W OUTPUT jacks	Provide means of monitoring output signal on 4-wire side of hybrid.
4W OUTPUT ADJUST control	Provides means of adjusting signal level of 4-wire output.
SF Detector and Oscillator, 41063-02:	
CALL button	When depressed, ring signal (3,250 Hz) is initiated to distant end station.
XMT LEVEL ADJ control	Provides means of adjusting output level of SF oscillator.
Digit Decoder, 40451-04 RING TIME AD-	
JUST control	Provides means of adjusting repetition rate of ring signal.
Dual Amplifier, 40472-03:	
A GAIN ADJ control	Provides means of adjusting output level of channel A.
A OUTPUT jacks	Provides means of monitoring channel A output signal.
A INPUT jacks	Provides means of monitoring channel A input signal.
B INPUT jacks	Provides means of monitoring channel B input signal.
B OUTPUT jacks	Provides means of monitoring channel B output signal.
B GAIN ADJ control	Provides means of adjusting output level of channel B.
4W-4W Bridge, 40455-03:	
LEG 1 INPUT jacks	Provides means of monitoring input level to leg 1.
LEG 2 INPUT jacks	Provides means of monitoring input level of leg 2.
LEG 3 INPUT jacks	Provides means of monitoring input level of leg 3.
LEG 4 INPUT jacks	Provides means of monitoring input level of leg 4.

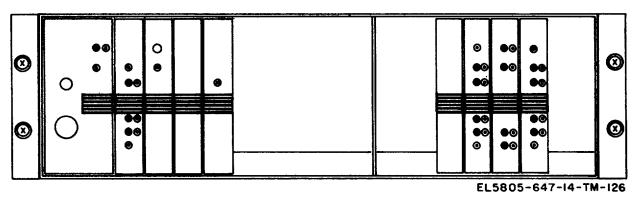


Figure 3-5. Common equipment.

Section II. OPERATION UNDER USUAL CONDITIONS

3-3. Preoperational Checks

Before starting the equipment, it is advisable to check that the properly assigned PC cards and plug-in modules are installed and securely in place as shown in figure 2-4. Also check that in-terconnection wiring is properly terminated. Insure that all pushbuttons on the orderwire call directors are unlatched (in their normal out position).

3-4. Starting Procedure

The orderwire/intercom common equipment and the LOW support equipment are started by applying 48-vdc from the power supply source located at the station.

3-5. Operating Procedure

- a. General. The orderwire/intercom common equipment and the LOW support equipment assemblies are designed for continuous operation with minimum operator intervention. The following subparagraphs provide a step-by-step call and answer procedure for each orderwire call direct panel associated with the common equipment and the LOW support equipment.
- b. Operation of Operator's Access Unit (Desk or Rack) (fig. 3-1 and 3-2).
 - (1) Making DTMF call.
- (a) The handset is taken off-hook and the appropriate D line key is depressed.
- (b) Associated key lamp is illuminated in the steady state.
- (c) Dial the associated two-digit number of party being called on the pushbutton dial.
 - (d) Wait for distant end party to answer.
 - (2) Receiving DTMF call.
- (a) On incoming DTMF signals, a flashing indication is present on the D line key associated with party initiating the call and the interrupted audible alarm sounds.
- (b) Take handset off-hook; flashing indicator changes to steady state.
 - (c) Conversation can now commence.
 - (3) Initiating E&M ringdown (land line only).
- (a) Pick up handset and push E line key associated with distant end station to be called.
- (b) The associated key lamp is illuminated in the steady state.
- (c) Depress ringdown key R. A 3,250-Hz S. F. oscillator ring signal is heard in receiver.

- (4) Receiving E&M ringdown from a local orderwire.
- (a) On an incoming E&M ringdown signal, a flashing indication is present on the E line key associated with the calling party, and the audible alarm sounds.
- (b) After picking up the handset (off-hook), the flashing indicator changes to steady state and the alarm stops.
 - (c) Conversation can now commence.
 - (5) Making a PBX call.
- (a) Pick up handset and depress PBX line key.
- (b) After dial tone is heard, dial sevendigit number of party to be called with the rotary dial.
- (c) The ringing signal at distant end can be heard in receiver.
 - (6) Receiving a PBX call.
- (a) On incoming PBX call signals a flashing indication is produced at the PBX key and an audible alarm is sounded.
- (b) After the handset is picked up (off-hook), the flashing indication changes to a steady state and the audible alarm stops.
 - (c) Conversation may now commence.
 - (7) Intercom call and answer function.
- (a) Initiating an Intercom call requires only to pick up the handset (off-hook) and depress the IC line key of party to be called and depress the ringdown R key.
- (b) An incoming ring from distant end intercom, produces a steady (off-hook) light and an audible alarm for the duration of the incoming ring.
- (c) Go off-hook and depress the illuminated IC line key. Conversation can now commence.
 - (8) Hold function.
- (a) An incoming caller can be placed on hold by depressing the associate line key and then depressing the H key.
- (b) The line key lamp will now indicate that the party is in hold by a winking light. Taking a party from the hold position is accomplished by simply depressing the winking line key of the held line. The hold function is not applicable to the intercom circuits.
 - (9) Conference function.
- (a) Two or more incoming callers are placed in conference by sequentially depressing a caller line key then depressing the CON key and so on.

- (b) Releasing a party from conference is accomplished by simply depressing line key of the party to be released and at the same time depressing the REL key.
- c. Operation of Link Orderwire Unit and Remote Link Orderwire Unit (fig. 3-3 and 3-4). Operation of both the link orderwire and the remote link orderwire units are essentially identical to that outlined in b above for the operator's access units, except no provisions are provided for conference services.
 - d. Operation of Local Orderwire Unit.
- (1) Initiating an outgoing call to distant end station.

- (a) Take handset off-hook.
- (b) Depress the call button for distant signaling.
- (2) Receiving incoming call at local orderwire unit.
- (a) The incoming E&M signal produces a lamp key illumination and an audible alarm over the loud speaker. The lamp key remains illuminated for the duration of the incoming ring signal.
- (b) By picking up the handset (go off-hook) the lamp key is extinguished and the speaker alarm is stopped.
 - (c) Conversation can commence.

CHAPTER 4

FUNCTIONING OF EQUIPMENT

4-1. General

- a. The following paragraphs provide circuit description of the orderwire/intercom system. The basic description for the orderwire/intercom system is first given on a station block diagram level, followed by a typical operational sequence description, which is supported by the individual module circuit diagram description, with references made where applicable.
- b. The block diagrams (fig. 4-1 and 4-2) and the schematic diagrams (fig. FO-1 through FO-20) are to be used in conjunction with the functional descriptions to aid in obtaining a basic understanding circuitry of the orderwire/intercom system.

4-2. Block Diagram Description (fig. 4-1 and fig. 4-2).

There are two basic site configurations of the orderwire/intercom system: the express orderwire (EOW) and the link orderwire LOW.

- a. Express Orderwire Sites (fig. 4-1). The common equipment at the express orderwire sites is complemented by the operator access units and remote link orderwire unit, local orderwire units and at certain sites, intercom equipment.
- (1) SF detector and oscillator. On DTMF circuits, the SF detector provides a means of detecting the 3,250-Hz busy supervisory signal on the 4-wire receive line. The SF oscillator portion provides a 3,250-Hz supervisory signal on the 4-wire send lines. The SF oscillator is con-trolled from the line card.
- (2) Second SF detector. A second SF detector is provided within the common equipment shelf for detecting E&M ringdown signals originating from a local orderwire unit.
- (3) DTMF tone receiver. The tone receiver has a high impedance input which bridges the 4-wire receive line to detect the dual tone multifrequency signals on the party line circuit. Narrow band filters transform the detected tones into DC levels for their application to the digit decoder.
- (4) Digit decoder. The digit decoder is used to detect a valid 2-digit code assigned to the station. The digit decoder accepts two out of seven detected DC signals from the tone receiver (for

- each digit), if they are present for at least 40 m seconds. The solid-state logic within the digit decoder actuates an output relay which, in turn, completes the ring control signal to the line card.
- (5) Line card, LC401-4. The line card provides necessary switching and control to interconnect the audible and visual outputs from the interrupter to the appropriate operator access units or orderwire units (remote or link, depending on whether they are located at EOW or LOW sites). On DTMF circuits, the LC-401-4 line card detects the dc tone control signals from the digit decoder, and initiates the appropriate switching control for visual and audible indication. On local orderwire (ringdown) circuits, the line card circuits detect the ring control signal from the SF detector connected to the 4W REC E&M line circuit and initiates appropriate visual and audible indication. On a PBX or base telephone circuit, the line card accepts standard 20-Hz ring signals from the line and performs the alarm indications and control functions required.
- (6) Interrupter, INT9740. The INT9740 interrupter is shared by all line circuits and provides lamp flash (LF) signals for indication of an incoming call, lamp wink (LW) signals for an indication of a call or hold, a rapid conference lamp flash signals for an indication of a call in conference, and it provides interrupted ring signals for audible indications of an incoming call.
- (7) 4W/2W hybrid. Incoming and outgoing VF-signals on the VF circuits (T&R circuits) are applied to the 4W/2W hybrid circuit. The 4W/2W hybrid circuit interfaces the 4-wire line (4 REC) to the 2-wire receive circuits of the line card; conversely, the 4W/2W also interfaces the 2W SEND circuit to the 4-wire line (4W SEND).
- (8) Conference relay. Any orderwire circuit may be interconnected or switched to any other orderwire or to the PBX circuit through the use of the associated conference relays and a common conference bus.
- (9) Bridge and amplifier shelf assembly. The bridge and amplifier assembly is composed of a shelf, a 4W/4W bridge 40455-03, and two dual amplifiers 40472-03. The bridge and amplifier assembly is used to provide a three-direction path

for a party-line DTMF circuit along with a drop at the common equipment. All four 4-wire send and receive ports of the assembly are normally connected to the station equal level patch field to permit conferencing of party line circuits as required. The assembly is independent from the common equipment except for 24-volt dc input power.

- (10) Jack and lamp panel, JLP-1. The jack and lamp panel provides for access to two link orderwire circuits with limited operation. The jack and lamp panel is primarily used as an ex-tension of the operator's access unit in the multiplex equipment area. The jack and alarm panel permits a call which originates or is answered from an operator's access unit to be remoted to the multiplex equipment area when the operators handset is plugged into it. See figure 2-10 for strapping.
- (11) Local orderwire unit (fig. 4-2). The local orderwire unit provides a means of local ringdown communication. The local orderwire unit consists of the following modules mounted in a 19-inch shelf.
- (a) SF detector and oscillator 41063-02. This module provides a circuit to detect any E&M ringdown signal received from a distant station

- unit. An oscillator circuit provides a means of initiating E&M ringdown signaling to distant stations.
- (b) Speaker amplifier 41030-01. This module provides the input and output interface for voice signals. A speaker is included for reproducing incoming audio. A handset connection is provided to allow normal two-way communication by an operator.
- (c) 120-vac input power supply. This module provides --24-volt dc power for use by the speaker amplifier and SF detector and oscillator modules.
- b. Link Orderwire Site (LOW) (fig. 4-3). The link orderwire support equipment at LOW sites is complemented by the link orderwire units, local orderwire units and at certain sites intercom equipment. The equipment configuration is basically identical to that for the express orderwire equipment configuration except that the link orderwire sites are limited to a lesser quantity of circuits and include the 4 way/4 wire bridge and dual amplifier modules vertically mounted in the support equipment shelf. The 4-wire send and receive legs are normally connected to the station equal level patch field.

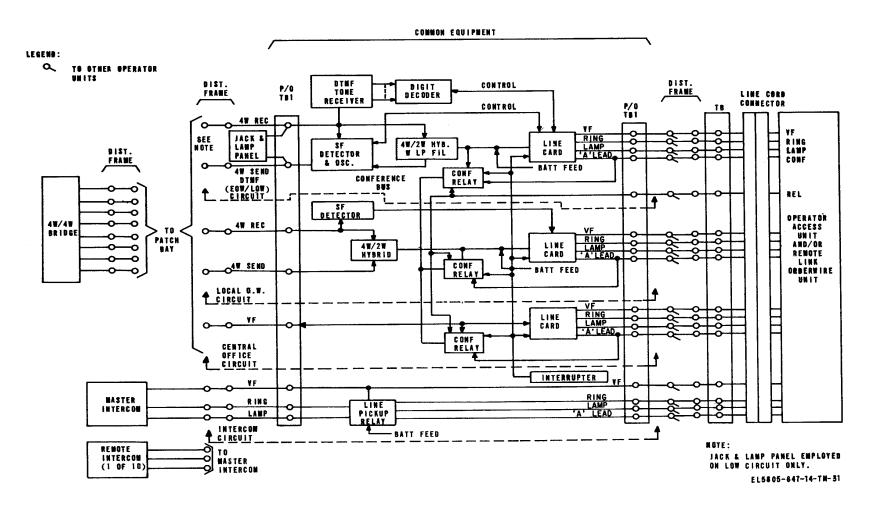


Figure 4-1. Oderwire-Intercommunication Termination Unit TA-918(V)/FSC (EOW site), block diagram

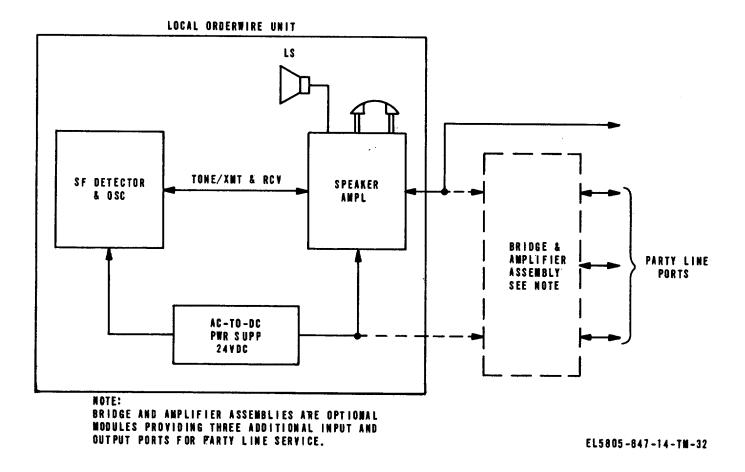


Figure 4-2. Local Orderwire Unit 41010.97, simplified block diagram.

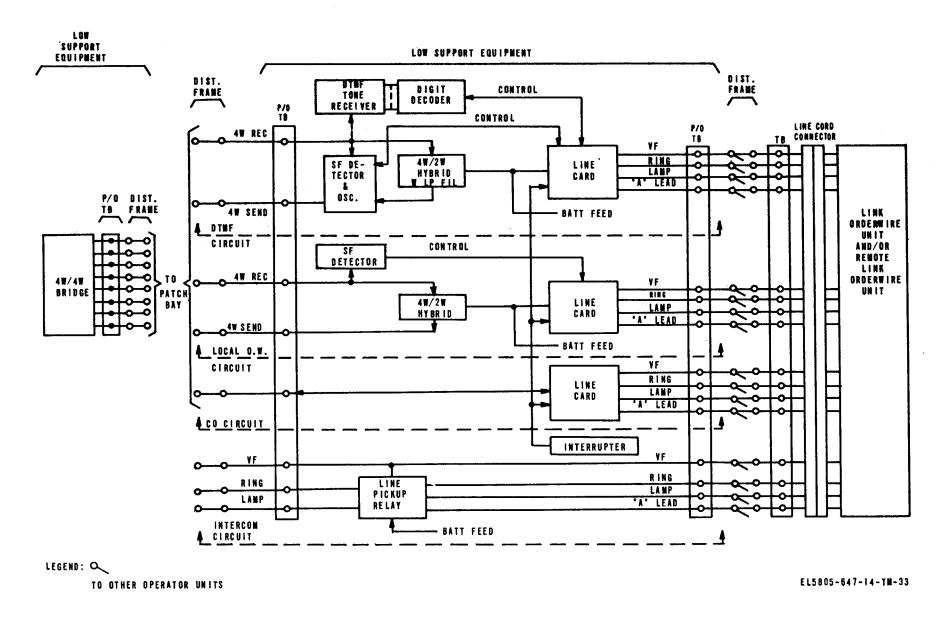


Figure 4-3. Orderwire Intercommunication Termination Unit TA-930(V)/FSC (LOW site), block diagram.

4-3. Operational Sequence Description

The following subparagraphs describe the operational sequence of the orderwire/intercom configuration.

a. DTMF Circuit (fig. FO-8 and fig. FO-9). The basic off-hook, call, and answer functions on a DTMF circuit, as shown in figure FO-8, are discussed in (1) and (2) below. Detailed functioning of each module is contained in paragraphs 4-5, 4-6, and 4-7. The operation of the hold functions and conference circuitry is discussed in paragraphs 4-5 a (5) and 4-5 b (7).

NOTE

The EOW and LOW DTMF circuits shown on figures FO-8 ① and FO-9 ① are identical. The LOW DTMF circuit shown on figure FO-9 ① is identical, except that the conference circuitry is omitted.

- (1) Receive circuitry (fig. FO-8). Incoming signals are applied to the RT and RR terminals of TB1 in the common equipment and thence to the paralleled SF detector, 4W/2W hybrid and DTMF receiver. The following assumes a logical sequence of signals (supervision, DTMF tones and voice) transmitted from the distant station.
- (a) When any party-line operator goes off-hook at a distant station, a 3,250-Hz busy supervision tone is transmitted for the duration he has selected the circuit. The incoming 3,250 Hz signal is detected in the SF detector to operate its associated relay. This applies a -48-Vdc lamp voltage from pin H of the line card, through K1 pin 14 and 15, contacts N and M of the SF detector, contacts 4 and 5 of the conference relay, contacts E and D of the digit decoder to the L (lamp) lead in the operator's access unit. The line lamp will illuminate in a steady state for the duration of these circuit conditions.
- (b) If the distant operator dials a 2-digit number, the DTMF tones will be detected by the DTMF receiver bridged across the 4-wire receive line. The DC outputs of the DTMF receiver are applied to the digit decoder. Assuming that a valid 2-digit code is received, the digit decoder relay will operate, applying --48 vdc through pins H and J to the line card. The associated DC ring detector and logic circuits in the line card will operate K 1. An interrupted lamp flash (LF) signal from the common interrupter is applied through 11 and 12 of K2, 6 and 7 of K1 in the line card to the L (lamp) lead causing the local operators steady busy light to start flashing. An interrupted ring voltage is also applied to the audible alarm in the operator's access unit from

the RN bus, contacts 9 and 10 of K1, 8 and 9 of K2 to the RC pin of TB1 finally to-the audible alarm. (Refer to paragraph 4-7 for a detailed discussion of the common equipment modules associated with the receive path.)

- (c) When the local operator goes off-hook to answer the call, line card relay K2 is energized by the A lead and K1 will deenergize, the digit decoder is reset, the alarm stops, and the line lamp again goes to a steady busy indication. In addition, the idle line termination relay in the 4W/2W hybrid is energized.
- (d) After the call is established, received speech signals are passed through the 4W/2W hybrid to the operator's access unit via the T&R leads. The 3,250-Hz supervision tone is blocked from the 4W/2W hybrid by the low pass filter within that unit.
- (2) Transmit circuitry. Assuming the call is to be originated locally and no one is on the party line, but the party line is off-hook, the 3,250-Hz signal will be absent.
- (a) When the local operator goes off-hook on a selected line, the A lead is grounded at the operator's unit and causes line card relay K2 to operate. This causes a -48-vdc voltage to be applied from H&F of the digit decoder, through 1&2 of the conference relay, 15 and 16 of line card relay K2, S and T of the SF detector, to the SF oscillator. This causes the SF oscillator to be keyed on and results in a --15-dbm, 3,250-Hz busy, supervision tone to be transmitted. (The SF detector relay prevents busy tone from being generated by more than one station at a time on a circuit.)
- (b) When the operator dials a 2-digit number, the DTMF tones from the tone-pad are impressed across the T&R leads, to the 4W/2W hybrid, SF DET & OSC module transformer, to the TT & TR leads of the common equipment.
- (c) Speech signals are likewise generated in the handset of the operator's access unit and applied to the T&R leads of the 2 wire line and then to the 4W/2W hybrid in the common equipment. The 48-vdc battery feed is applied to the operator's access unit through inductor assembly LA in the common equipment. A blocking capacitor isolates the talk battery from the 4W/2W hybrid.
- b. E&M Circuit (fig. FO-9). The basic call and answer functions on an E&M ringdown circuit, as shown in figure FO-9, are discussed in (1) and (2) below. Detailed functioning of each module is contained in paragraphs 4-5, 4-6, and 4-7. The

operation of the hold functions and conference circuitry is discussed in paragraphs 4-5a (5) and 4-5 c.

NOTE

The E&M circuits shown on figure FO-9 ① is identical to that shown on figure FO-9②, except that the conference circuitry is omitted.

- (1) Receive circuitry. Incoming signals are applied to the RT and RR terminals of TB1 in the common equipment and thence to the paralleled SF detector and 4W/2W hybrid module. The following assumes. a logical sequence of events on an incoming call.
- (a) When the distant station initiates a call, 3,250 Hz is applied to the SF detector and causes the associated relay to operate for the duration of the ring. A 48 vdc voltage is applied through pins R&S of the SF detector to the line card signal control circuitry. The associated DC ring detector and logic circuits cause K1 to operate and complete the paths for the interrupted audible (RN) and visual (LF) signals from the interrupter to the operator's unit, causing the line lamp to flash and the audible alarm to sound.
- (b) When the local operator goes off-hook to answer the call, line card relay K2 is energized by the A lead, and K1 will deenergize, again breaking the path from RN and LF interrupter buses. With K2 operated, a -48-vdc voltage is applied from contacts 1 and 2 of the conference relay to the L (lamp) lead and provides a steady off-hook lamp busy indication at all paralleled operator's access units. This same voltage operates the idle line termination relay in the 4W/2W hybrid.
- (c) After the call is established, receive signals are passed through the 4W/2W hybrid to the operator's access unit via the T&R leads.

(2) Transmit circuitry.

- (a) When the local operator goes off-hook on a selected line, the A lead is grounded at the operator's access unit and causes line card relay K2 to operate, and enables the 2-wire path to the 4W/2W hybrid. With the path enabled, operation of the ring key in the operator's access unit, keys the SF oscillator which applies a 3,250-Hz ringdown signal to the distant local orderwire station.
- (b) After the call is answered, transmit speech signals generated in the operator's hand-set are applied to the T&R leads of the 2-wire line and then to the 4W/2W hybrid in the common equipment. The 48-Vdc battery feed is applied to the operator's access unit through inductor

assembly LA in the common equipment. A blocking capacitor isolates the talk battery from the 4W/2W hybrid.

c. *PBX Circuit* (fig. FO-8). The PBX or central office (CO) base telephone circuit terminates in the common equipment on a 2-wire basis. The basic call and answer functions of the PBX or CO line circuit are discussed in (1) and (2) below. Detailed functioning of the line-card, hold circuitry, and conference circuitry is discussed in paragraphs 4-5, 4-5a(5), and 4-5c respectively. An inductor assembly KLA is associated with the conference circuitry for the PBX circuit and functions to complete the DC path on the 2-wire loop when in the conference condition. This permits the operator to set up a conference on any two circuits and then himself go on-hook without dropping the line pickup relay at the central office.

NOTE

PBX circuits shown on figures FO-8 ② and FO-9 ② are identical, except that the conference capability is omitted on FO-9 ② circuitry.

- (1) Receive circuitry. On an incoming call, a 80- to 120-vac 20-Hz ringing voltage from the central office is impressed on the 2-wire line and is detected by the line card circuitry to cause K1 to operate. This completes the path for interrupted audible (RN) and visual (LF) signals from the interrupter to the operator's unit causing the line lamp to flash and the audible alarm to sound. When the local operator goes off-hook, line card relay K2 is energized by the A lead, and K1 will deenergize, again breaking the path from RN and LF interrupter buses. With K2 operated, a --48 vdc voltage is applied from contacts 1 and 2 of the conference relay to the L (lamp lead) and provides the steady off-hook lamp busy indication. Receive speech signals are applied to the operator's access unit on the T&R leads.
- (2) Transmit circuitry. When the operator goes off-hook, he will hear the normal dial tone and proceed to dial pulse the distant party through the central office equipment. Line battery is furnished the handset from the central office over the T&R leads.
 - d. Local Orderwire Unit, 41010-97 (fig. 4-4).
- (1) Incoming call. An incoming E&M ringdown to the local orderwire on the 4W REC lines is detected by the S.F. detector portion of the S.F. detector and oscillator module. (See paragraph 4-6a for detail circuit explanation of the S.F. detector.) Subsequent closure of the relay contacts associated with the S.F. detector extends ground to the CALL Alert oscillator,

which places a variable pitch alarm on the loud speaker (LS1), and illuminates the alert lamp. By going off hook, the hook switch completes the audio receive amplifier to the handset receiver. The hook switch also completes -- 48-volt dc battery voltage to the handset transmitter.

(2) Outgoing call. When the handset is taken off-hook, sidetone is provided in the handset

receiver by the sidetone amplifier. Depression of the call button activates the S.F. oscillator which place a 3,250-Hz ring frequency on the 4-wire output via the transmit amplifier and the unbalanced to balance transformer. All audio signals from the handset transmitter are amplified by the audio transmit amplifier located in send circuits of the orderwire.

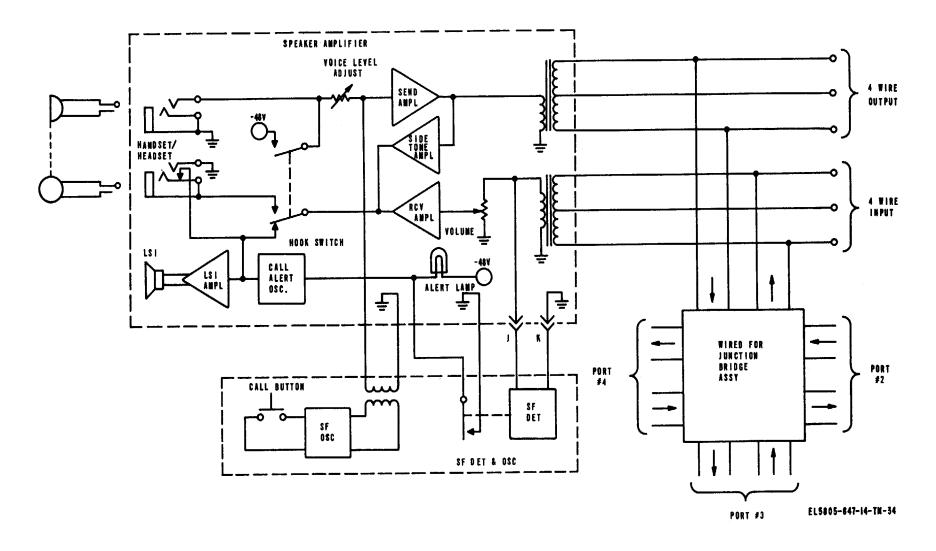


Figure 4-4. Local Orderwire Unit 41010-97, functional block diagram. **4-9**

4-4. Operator's Access and Orderwire Panels, Functional Description

- a. Desk Type Operator's Access Unit (fig. FO-1). The orderwire unit consist of a call director, an S.F. oscillator, a speaker amplifier, a rotary dial, a sonalert, and a handset.
- (1) Call director. As described earlier the call director is comprised of the pushbutton keys for line selection and signal control. Each of these line select keys when depressed, complete the V.F. circuits (T&R) to the telephone network and the control signal circuits (A-lead) to the common equipment or LOW support equipment circuits. The line selector keys D representing DTMF orderwire circuit selection is used in conjunction with a DTMF pushbutton dial. The pushbuttons numbered 1 through 0 provide a means of dialing a two-digit party at a distant end station.
- Pushbutton dial assembly (fig. FO-1 (a) ②). The two-digit pushbutton dial assembly includes two tuning coils and two capacitors. The tuning coils have several taps-each tap representing a frequency tuned circuit associated with a dial digit when it connects to its associated capacitor. Depressing a pushbutton rotates a horizontal crank and a vertical crank. In the early part of the downstroke, each crank operates a specific spring contact to connect a tuning capacitor to a specific coil tap which represent a specific frequency. During the downstroke of horizontal crank contact causes the common switch to operate. The vertical (column) cranks operate switches connected to the high band coil, and the horizontal (row) cranks operate switches connected to the low band coils. The common switch is mechanically linked to each pushbutton dial switch. The common switch performs the following function.
- 1. Attenuates the side tone in the telephone receiver to a comfortable level.
 - 2. Applies power to transistor.
 - 3. Opens the transmitter circuit.
 - 4. Initiates the signal
- (b) Network (fig. FO-1 ②). The following circuit description for the network circuit is applicable to all the network assemblies associated with the call director of the orderwire/intercom.
- 1. Equalization. Equalization is provided by varistors V1 and V2. Shunt varistors V1 and V2 effect resistance changes inversely to the current flowing through them and, thus, produce increased losses in short loops and yet having negligible effect in long loops.
- 2. Transmission. The received speech currents pass via windings TA1, TB, and TA2, each of which produces an additive voltage in winding

- TC. The received currents also produce a voltage across the 68-ohm resistor that opposes and is almost equal to that produced by the induced voltages in winding TC. There is, therefore, very little power loss in the resistor and varistor and maximum power in the receiver. The low impedance of the transmitter is matched to the loop by the turns ratio of winding TB to winding TA1 and TA2.
- 3. Sidetone balancing. The current variations due to the transmitter are in opposite phase in windings TA and TB. The induced voltages in winding TC are also in opposite phase and the resultant voltage is opposed by the voltage produced across the 68-ohm resistor. The net effect is that very small signals are produced in the receiver due to transmitter current changes and sidetone is very low. Also, as there is little power loss in the receiver, maximum transmitting levels are attained. Both varistors contribute to this condition by automatically compensating for various loop conditions to provide close matching of the loop impedance and the balancing network impedance with the transmitter circuit.
- 4. Radiofrequency filtering. Filtering is provided to suppress high frequency signal components of the dial pulses which might otherwise be radiated from the telephone line and cause local interference with broadcast radio reception.
- (2) S.F. oscillator 490096 (fig. FO-2). A 3,250-Hz supervisory signal is placed on the V.F. circuits on depressing of the R switch on the call director. The R switch completes a operating voltage of -48 vdc to a S.F. oscillator unit. The unit contains three sections: an oscillator, a gate, and an amplifier. The S.F. oscillator contains a regulated power supply which consists of R1, C1, VR1, and VR2. The current drawn by the unit passes through resistor R1, causing a voltage drop. VR1 and VR2 operate as shunt zeners, drawing the required current through R1 to maintain the specified operating voltage. Capacitor C1 filters the voltage and assures a low impedance power supply. Inductor L1, capacitors C3 and C4 comprise a parallel tank circuit which is tuned to the desired output frequency. Signals from the tap of the coil pass through R7 to the base of transistor Q2 where they are amplified. The amplified signals are taken from the collector of Q2 and pass through capacitor C2 to the base of Q1. These signals are again amplified and taken from the collector of Q1, through resistor R5 and

back to the tap of the inductor. Therefore, we have inphase feedback which causes the oscillation. signals from the tank circuit then are taken via resistor R8 to the base of Q4. Transistor Q4 operates as a current amplifier and its input signals are present across resistor R15. Transistor Q3 is normally "on" and shunts the signals from the base of Q4 to ground. However, under conditions of signalizing. Q3 is biased "off" through the action of resistor R13 or switch S1. Resistor R15 is the level adjust and the signals pass through the wiper of R15, through capacitor C5 to the base of transistor Q5. Q5 amplifies the signals and they are taken from its collector directly to the base of Q6. Transistor Q6 amplifies the signals. Signals are taken from the collector of Q6 and are passed to the primary of transformer T1. The secondary of T1 is connected to the telephone handset. In the output amplifier, there is a feedback loop. Feedback is taken from the

collector of transistor Q6 through resistor R20 to the emitter of transistor Q5. This serves to lower the output impedance of the stage and lower the quiescent current.

(3) Speaker amplifier 6505-3828 applicable to desk set only (fig. 4-5). Receive signals enter the speaker amplifier via pins 1 and 2 and primary of T1 with a 2-kilohm impedance. Input signals are transformed to secondary winding of T1 for balance audio input to the amplifier circuitry. Q1 and Q2 and their related components constitute a direct coupled amplifier. R6 and C2 decouple Q1 bias network from the +48 dc source, similarly R8 and C3 decouple Q2 bias network from the --48-dc source. R10 (the volume control) adjusts the input signal level to Q1. Voltage regulation is provided by Zener diode CR2 and ripple filtering is provided by C5, C6, and R9. T2 transformer provides the proper impedance matching between the speaker and the Q2 collector audio output.

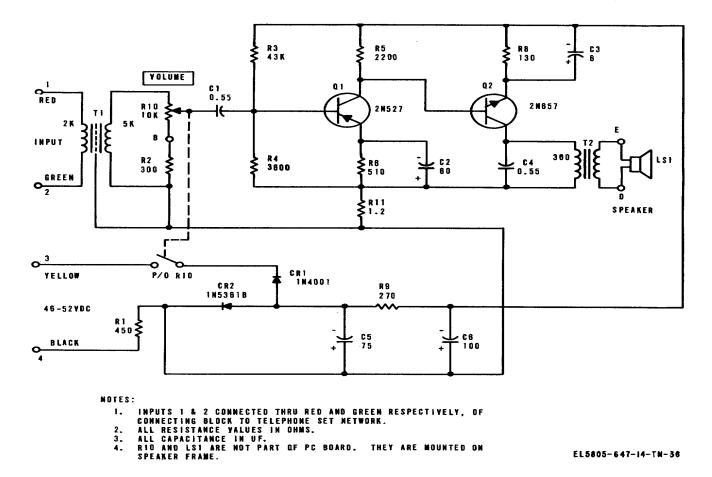


Figure 4-5. Speaker Amplifier Unit 6505-3828, schematic diagram.

- b. Rack-Mounted Operator Access Unit (fig. FO-3). The rack-mounted operator's access unit is functionally identical to the desk type, except the rack-mounted operator's access unit is not furnished with a loud speaker. Thus, the circuit explanation provided for desk operator's access unit is also applicable to the rack type operator's access unit.
- c. Link Orderwire Unit and Remote Link Order Unit (fig. FO-4 and FO-5).
- (1) General. These units are both functionally identical to the desk type, except for the loud speaker amplifier circuit. Detailed circuit description of the loud speaker applicable to the

link orderwire unit and the remote link orderwire unit is provided in (2) below.

- (2) Power amplifier type TLC-410 (fig. FO-10).
- (a) The amplifier module is a self-contained, solid-state, plug-in unit connected through an 11-pin plug. Four transistors are used. Fixed bias is employed with capacitive coupling to the driver stage, and transformer coupling to the input and output stage.
- (b) The driver stage is a PNP commonemitter connected stage with selectable input impedances provided by windings on T1. Pins 1 and 2 on TB-1 provide a 12,000-ohm input im-

pedance. The 8-ohm balanced output of the amplifier appears across pins 3 and 4 of the 11 pin plug. Monitor jacks J 1 and J2 are provided on the front panel of the module for checking the output without removing the cover. The input is ad-justable through variable gain control R1, which can be adjusted externally and locked in place.

- (c) The 48-volt dc station supply is connected through pins 8 and 9. Pin 8 is the negative terminal and pin 9 is the positive terminal. Protective diode CR2 is connected in series with the positive lead so that the power circuit will be opened if the polarity is reversed; polarity must be correct to provide forward bias for the units to operate. Hence, reversal of polarity will not damage the transistors.
- (d) Feedback is provided in the output stage to produce a 2-watt output with low distortion and high stability. The feedback is controlled through output from winding sec 2 on output transformer T3, and controlled by diode CR3 and transistor Q4. Diode CR1 prevents overdriving and peak limiting. Thermal stabilization is also provided to produce maximum output and prevent runaway. Output transistors are NPN type.
- (e) An overall gain of 33 db is provided and, with an input of 0 dbm, a full 2-watt output can be obtained with less than 4-percent distortion of 1,000 Hz. A minimum idling current of 10 ma is used at 48V; maximum drain is 105 ma.

4-5. PC Card Rack Assembly LCC9740, Functional Description

(fig. 4-6)

- a. Line Card Circuit Function.
- (1) Incoming call-PBX ring. (fig. 4-7). Incoming 110-vac ring signal is detected directly from the PBX telephone line pair shown in bold lines. J1 program jumper on the LC-401-4 line card is placed in the AR position. The ring signal passes through capacitor C4 through VTR through J 1 jumper, then through R2 current limit resistors to card pin R. From card pin R the ring signal passes through the LCC9740 harness to the interconnect terminal block and back from in-terconnect terminal block to card pin Y and from card pin Y to the RING side of the PBX line. The detector (a neon type lamp) illuminates photo sensitive resistor (R16A) within the VTR pack-age, causing the resistor to change from a "dark" resistance of 10 megohms to a "light" resistance of approximately 2K ohms. The neon illuminates on each half cycle of the incoming AC ring signal. One side of the photo sensitive resistor is tied to
- Q3 emitter which is biased at approximately +7 volts positive with respect to -48 vdc. The other side of the photo sensitive resistor is connected to R12 and then to capacitor C2 and R9. Current through the photo sensitive resistor (indicated by heavy line) causes C2 to charge to a voltage approximately equal to the voltage appearing on Q3 emitter. When voltage across C2 reaches approximately 50 % of the voltage at Q3 emitter. IC gate #1D detects this voltage level as a logic 1 instead of a logic 0 at ID pin 13. The integrated circuit logic gates are defined as NOR gates, indicating that if either input of a gate section is positive (logic level 1) the gate output is 0 (logic level 0). The logic 1 at ID pin 13 causes ID pin 11 to be logic 0. If the telephone instrument is on hook, IC input pin 8 is at logic 0. IC output pin 10 is, therefore, at logic 1 and Q1 is caused to conduct thus energizing K1 relay. Energization of K1 causes the interrupter lamp flash (LF) input to the line card on card pin S to be connected through relay contacts 11 and 12 through relay K1 contacts 6 and 7 to card output pin K and to the appropriate line indicator lamp (L). Also, the interrupter RING (RN) input to the line card on card pin J is connected through relay K1 contacts 9 and 10 to relay K2 contacts 8 and 9 to card pin X and then to the local ringer. K1 relay contacts 14, 15, and 16 provide a single pole double throw output for future optional flexibility.
- (2) DC incoming call DTMF on E&M (fig. 4-8). The incoming ring control signal is applied to the line card pins R with card pin D positive. The LC-401-4 card connector J1 is programed to the DR option. The incoming -DC signal is im-pressed on pin R of the LC-401-4. It passes through R2 to jumper bridge J1 to DET to card pin C. The DET is a light emitting diode coupled to a photo sensitive resistor R16. Current through the LED causes the resistance of the photo sensitive resistor changes from 10 megohms to 2K ohms. R16 is connected in parallel with R16A and its function is similar.
- (3) Time-out of ring-up circuit (fig. 4-7 and 4-8). The potential across C2 before a ring is detected is determined by the voltage divider ratio composed of R12 +R16/R9 +R12 +R16, or R12 +R16/R9 +R10 +R12 +R16 depending upon the time out option desired. The potential is also dependent upon the voltage of Q3 emitter with respect to Q3 collector since it regulates the overall voltage applied to the voltage divider. Voltage across C2 is typically one-tenth volt prior to ring detection. It increases to ninety-five percent of Q3 voltage during a typical ring cycle.

Resistor R12 is used to slow the charge rate of C2 to preclude false triggering due to line transients detected by VTR. When the ringing stops, C2 discharges across R9 or R9 in series with R10. The effect of R16 when central office ringing stops is negligible since its resistance is 30 times greater than R9. The effect of IC1 pin 13 is also negligible since it is 107 times higher resistance than R9. C2 discharges to its one-tenth volt, illustrative value, original idle state. At the 50 % voltage level, IC input pin 13 interprets the capacitor discharge as a change in logic state from a 1 to a 0 and 1C1 returns K1 to a nonconducting

idle state by removing base drive from Q1. The time constant of R9 and C2 is typically such that time out occurs in 6 to 10 seconds. The time constant of R9 plus R10 and C2 is typically such that time out occurs in 20 to 120 seconds. Time out can be programed with connector J2, position P for short time, position Z for long time. There is no electrical connection, of any type, between the T, R telephone circuit paths and the key system control electronics. This condition greatly reduces the possibility of lightning transients on telephone lines from causing key system component failure due to surge voltages.

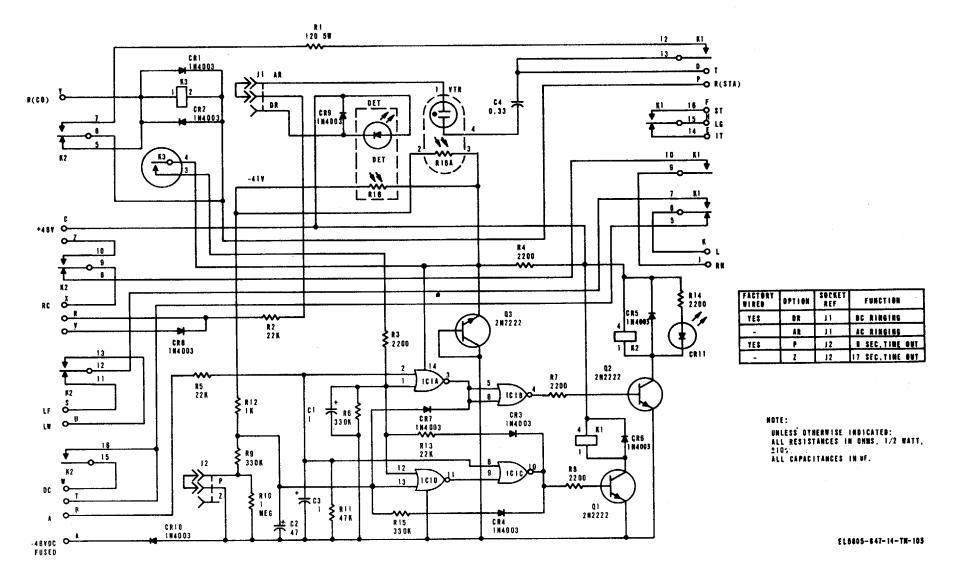


Figure 4-6. Line card LCC9740, schematic diagram.

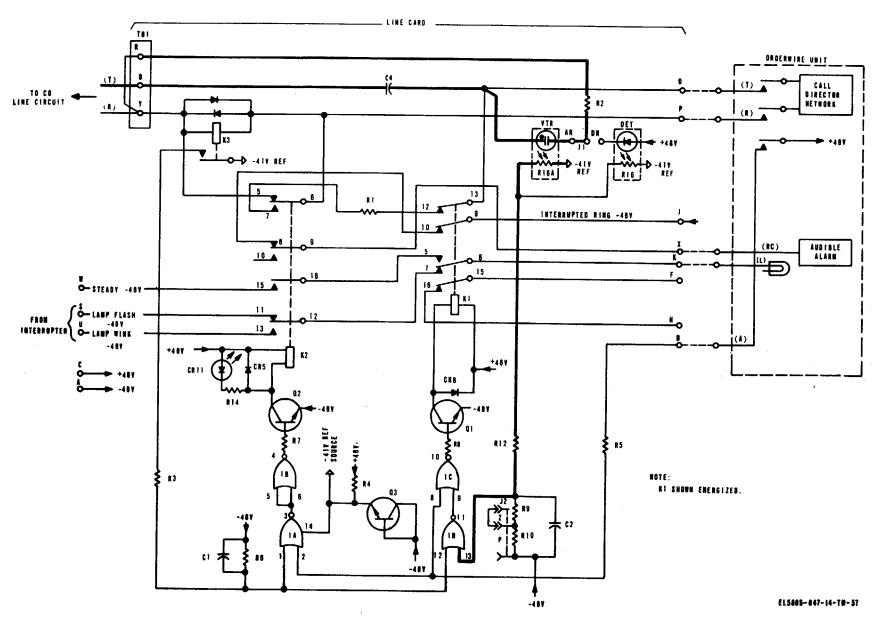


Figure 4-7. Incoming ring on PBX Line, functional diagram.

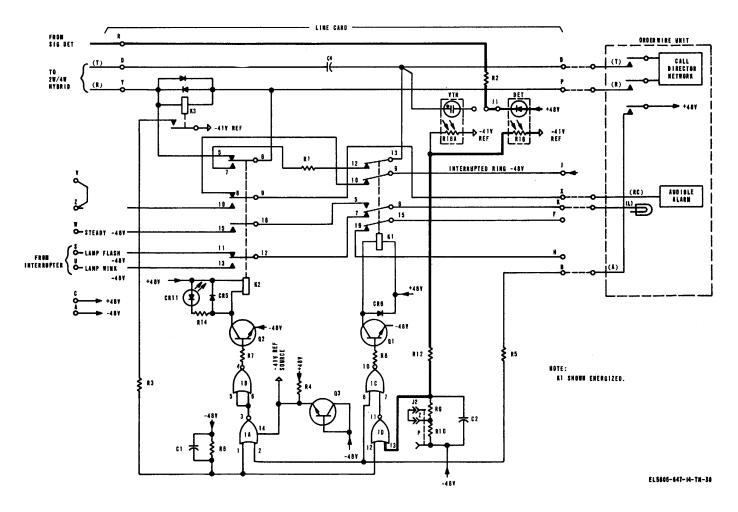


Figure 4-8. DTMF and E & M incoming ring, functional diagram.

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(4) Answering an incoming call and making an outgoing call (fig. 4-9). By picking up the handset and pushing the appropriate line key, A-lead at card pin B is then tied to ground causing the integrated circuit pins 2 and 8 to detect the logic 1 level. 1A output pin 3 changes to a logic 0 and to output pin 4 changes to a logic 1. Q2 conducts and the light emitting diode lamp LED and relay K2 are energized. IC output pin 10 changes to a logic 0 state. Q1 stops conducting and K1 is deenergized. When K2 is energized, contacts 5 and 6 open the short circuit across relay K3 coil, allowing K3 to become energized by the telephone line loop current. K3 make contacts close, causing a logic 1 input at IA and ID pins 1 and 12. This causes IA and ID output pins 3 and

11 to assume a logic 0 state, Q2 conducts, K2 is energized. Now the conduction of Q1 is dependent upon the logic state of IC input pin 8 since IC input pin 9 is at a logic 0 level. Energization of relay K2 causes the Local Ring excitation to be removed by opening contacts 8 and 9 of K2. Interrupter lamp wink LW input to line card pin U is now connected through K2 contacts 12 and 13 to K1 relay contact 7. Since K1 has deenergized, (LW) signals stop at this point. Minus 48V DC enters the line card at card pin W and is connected through K2 contacts 15 and 16 to K1 contacts 5 and 6 to card pin K and then to the appropriate line indicator lamp. This provides a steady ON lamp indication as long as 48V DC is applied to card connector W.

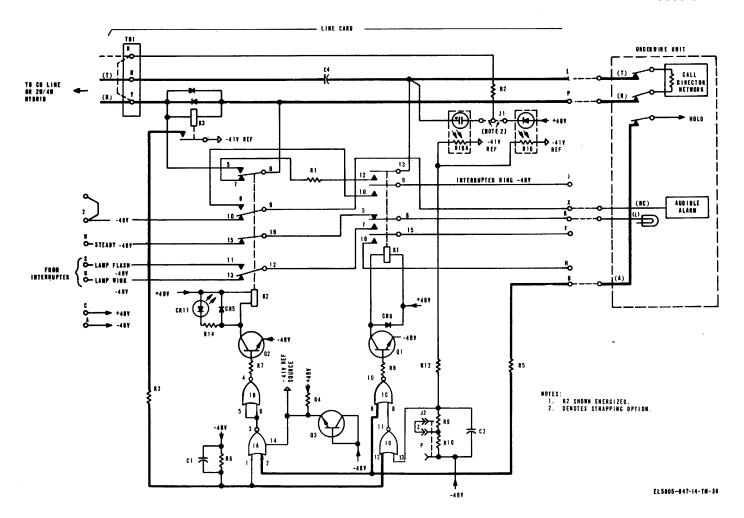


Figure 4-9. Call answered functional diagram.

- (5) Holding circuit (fig. 4-10).
- (a) Holding circuit operation takes place when the hold key break contact opens ground which was extended to line card input pin B. While the hold key is in a depressed condition, the line pickup key is still depressed and Tip, Ring line current continues to flow through relay K3 and the subset. With K3 energized, K2 is held energized regardless of the status of card pin B input. When card in B input drops to a logic 0 level. Q1 conducts, energizing K1. With K1 energized, the line holding bridge resistor R1 is connected from the top line through contacts 12 and 13 of K1, through R1, through contacts 6 and 7 of K2, through K3 coil to the ring side of the line. With R1 across tip and ring, the hold key may be released. Releasing the hold key mechanically disengages the line pickup key. This action removes the subset from the phone line. The line will remain in this hold condition until card pin B is connected to +48V DC, such as when a station connects to the line or until the line is opened at the central office. In the hold condition, K1 K2, and K3 are energized. (LW) from the interrupter enters the line card at car pin U. (LW) is connected through K2 contacts 12 and 13 to K1 contacts 6 and 7

then to card pin K and to the appropriate line indicator lamp.

- (b) At the central office on PBX the line circuit is released from the connecting switching equipment by a momentary interruption of telephone line current. This causes relay K3 to release. IC inputs 1 and 12 become logic 0 levels and with IC inputs 2, 8, and 13 at logic 0 level K2 releases and K1 releases, restoring the circuit to its idle state. The line interruption time required to release K3 is independent of the electromechanical characteristics of K3, but is a function of the time constant of R6 and C1. The time constant is set so that unwanted line transients, noise spikes, line reversal, and lightning are not misinterpreted as an open circuit line.
- (c) Any station of the key telephone system that seizes a held line by operating the associated pickup key with its handset off-hook causes relay K1 to become deenergized, removing holding bridge resistor R1 from across the line by release of contacts 12 and 13 of K1. Uninterrupted station lamp excitation is provided through line K, contacts 5 and 6 of K1, make contacts 15 and 16 of K2 to card pin W.

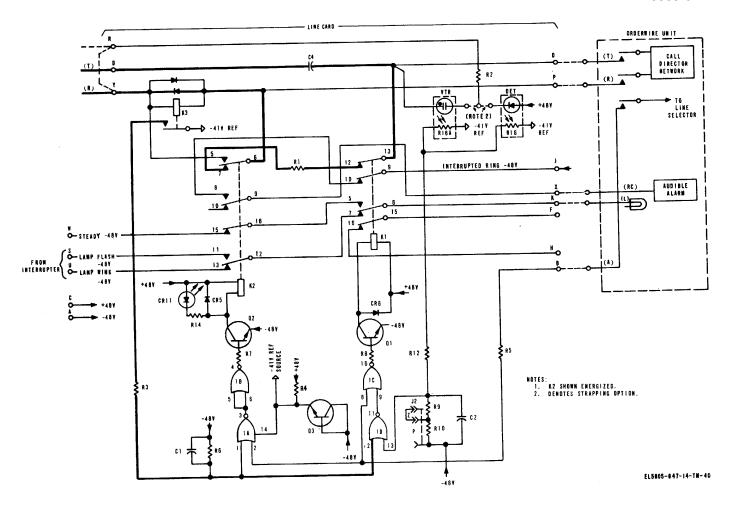


Figure 4-10. Call on hold functional diagram.

- b. Interrupter Circuit Function (fig. 4-11 and 4-12). Audible and visual indications are accomplished by means of Interrupter, INT 9740. The interrupter functional circuit operation is as follows:
- (1) Interrupted local ring excitation is provided on pin Z. This consists of an alternating ON/OFF switching transistor with switching characteristics defined in timing diagram. Transistor Q3 is capable of switching ring loads up to 500 milliamps DC.
- (2) Lamp flash (LF) is provided on pins T and U to indicate an incoming call and is capable of switching lamp loads of up to 5 amps, in a sequence defined by the timing diagram.
- (3) Lamp wink (LW) is provided on pins X and Y to indicate when a call is on hold and is capable of switching lamp loads of up to 5 amps in a sequence defined by the timing diagram.
- (4) Conference flash (CF) is provided on pins R and S to indicate when a call has been put on conference and is capable of switching lamp loads of up to 5 amps in a sequence defined by the timing diagram.
- (5) Timing is provided by an oscillator comprised of two gate-sections of IC1. Timing is preset such that the oscillator runs at 10 pulses per second as determined by C1 and R1. The oscillator is enabled whenever card pin E (ST) is connected to minus 48V DC. The output of the timing oscillator (IC1 pin 3) drives IC3 pin 14 providing a clock input to IC3. connects to CR11 cathode for the purpose of providing a warble effect to the local audible ring device. IC3 counts the positive going oscillator pulses and provides a decimal output on 10 lines. Output time interval #0 and #5, IC3 pin 3 and 1, respectively, drive IC1 so that IC1 pin 10 goes to 0 volt during time intervals 0 and 5. IC1 pin 10 drives transistor Q8 through current limit resistor R4. When IC1 pin 10 is at 0 volt, Q8 is turned OFF and Q9 is turned OFF, causing card pins X and Y to be This R7 provides Q8 effectively an open circuit. transistor collector current limiting. Q8 and Q9 are ON during all other time intervals providing the ON intervals for Lamp Wink.
- (6) IC3 pins 1, 2, 6, 7, and 11 are ORed together with diodes CR2, 3, 4, 5, and 6 providing base

- drive to transistor Q6 through R5. R6 provides a leakage path to guarantee that Q6 turns OFF during each alternate time interval. Q6 drives Q7 which, in turn, provides CF output on pins R and S of the card. R 8 provides collector current limiting for transistor Q6. This circuit output changes state with each oscillator cycle. IC3 pin 12 drives Q10 through resistor R12. Q10 collector controls Q4 which, in turn, drives Q3, providing lamp flash output on card pin T and U. R9 provides Q4 collector current limiting. R11 provides Q10 collector current limiting and Q4 base drive.
- (7) IC3 pin 4 provides a count output to IC2 pin 3 input. IC2 contains two identical flip-flop circuits wired as a two stage binary counter. Pin 3 input positive going transition signals are counted. IC2 output pins 1 and 12 are AND in IC1. IC1 pin 11 output drives Q2 through R13. Q2 drives Q3. Q3 output provides 500 milliamps switching capability on card pin Z for driving the local ringing device. R10 provides Q2 collector current limit. R13 provides Q2 base current. IC3 pin 15, IC2, pin 6 and 8, and IC1 pin 1 are reset lines and will disable all INT9740 signal outputs when in a logic 1 state. IC3 pin 16, IC2 pin 14 and IC1 pin 14 are plus power terminals foy their respective IC circuits. IC3 pin 8, IC2 pin 7, IC1 pin 7 are negative power terminals for their respective IC circuits. IC3 pin 13, IC2 pins 4, 7, and 10 are connected to negative power lines to enable the integrated circuits to function in their required mode of operation.
- (8) Zener diode CR1 is a 54V zener. It provides circuit protection to the INT9740. Transistor Q1 is connected so that its emitter provides a zener diode voltage of approximately 7 volts. R2 provides current path from 48V power to drive all logic circuitry on the INT9740 card. Capacitor C2 provides ripple filtering and pulse signal bypass for the logic input power. Dioded CR7, 8, 9 and 10 provided reverse voltage protection for the signal output transistors. LED is a solid-state light provided to indicate when the 5-amp power fuse has blown. R3 provides the necessary current limit to illuminate the LED at the proper level.

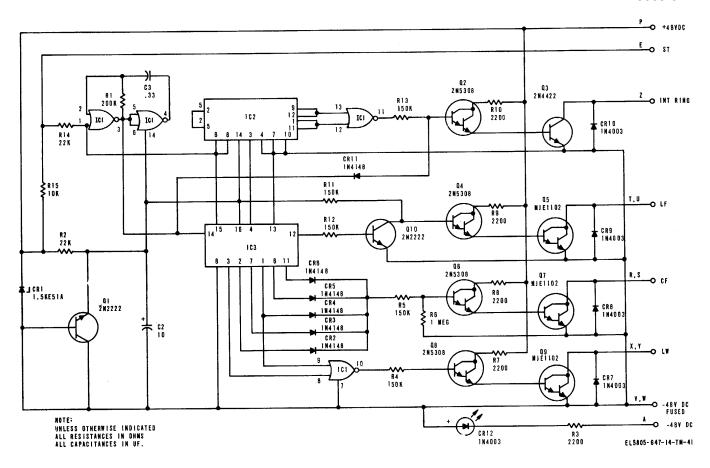


Figure 4-11. Interrupter INT-9740, schematic diagram.

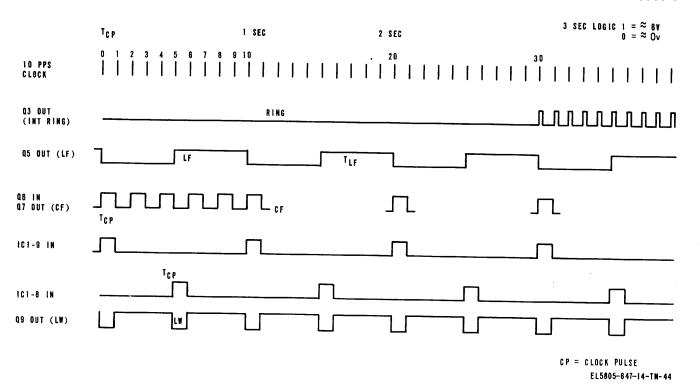


Figure 4-12. Interrupter INT-9740, timing diagram.

- c. Conference Circuit Function (fig. 4-13). Conferencing of two or more circuits is accomplished on a 2-wire basis. Any orderwire circuit may be interconnecting or switched to any other orderwire or to the PBX circuit through the use of associated conference relays and a common conference bus. The intercom circuits are not provided in the conferencing capability.
- (1) The conference relays K1 through K11 (depending on the number of circuits equipped) are miniature impulse latching relays that use remnant (residual) magnetism of the core for latching. Referring to figure FO-8 (D), the T&R leads of the two wire lines are connected to the conference bus through the left-hand contacts 2, 3, 5, and 6, respectively. The left-hand contacts 1, 2, and 3 function to transfer the-control voltage on a circuit for the idle line termination relay in the 4W/2W hybrid circuit and S.F. oscillator when in a conference condition. Left-hand contacts 4, 5, and 6
- transfer the negative line lamp voltage from a steady to the interrupted conference flash (CF) bus.
- (2) Each conference relay, K1 through K11, is identical. K1 (used for the PBX circuit) is discussed as typical. The relay is bistable. When the operate winding is pulsed, the special alloy core retains sufficient magnetism to hold the armature operated indefinitely without coil energization. Pulsing of the operate winding occurs from momentary depressing of the conference key in the operator's access unit, as shown in figure 4-13.
- (3) Conference release is accomplished as follows: With line key position 1, row 1 selected at the operator's access unit and the handset offhook, the momentary operation of the CONF REL key applies +48 vdc to one side of K1 release winding, through isolation diode D1, selector key, hold key, diode switch, conference key break contact, CONF REL key, to the signal ground (SG).

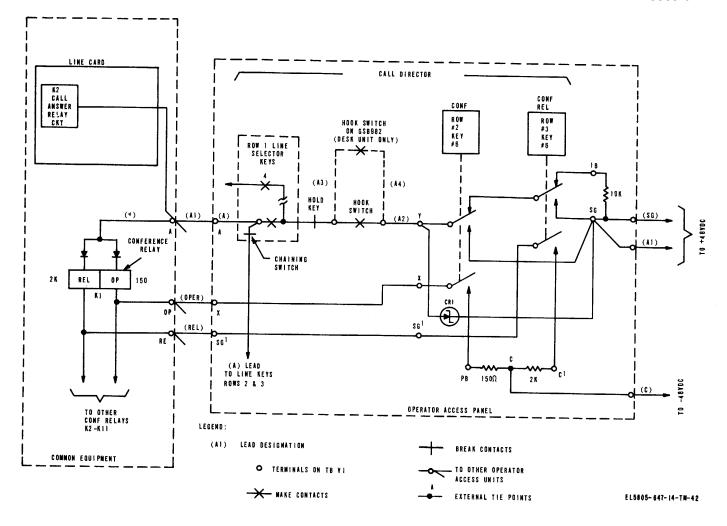


Figure 4-13. Conference functional diagram.

4-6. Common Equipment Shelf 41010-96, Functional Description

- a. S.F. Detectorand Oscillator 41063-02 (fig. FO-11). All input signals, supervisory or voice frequency, enter the SF detector module on pins L and K. These signals are presented to the primary of transformer T1 and transferred to the secondary. The signals are then presented to transistor Q1 (common emitter amplifier).
- (1) The 3,250-Hz supervisory signal voltage is developed across C4 and presented to the base of Q2. Transistor Q2 is an emitter follower and serves as a driver for the high pass filter (L1, L2, C5, and C12). This filter keeps voice frequency signals out of the supervisory signaling path. The supervisory signals are amplified by transistors Q3 and Q4. Q5, Q6, Q7, and Q8 provide a constant level output for the tone detector. During the positive half cycle of the incoming signal, transistor Q6 is biased "on" through CR1, R21, and C16. When Q6 is "on", it also turns Q7 "on". During the negative half cycle of the incoming signal, transistor Q6 is biased "on" through CR1, R21, and C16. When Q6 is "on", it also turns Q7 "on". During the negative half cycle of the incoming signal, Q5 is turned "on" through CR2, C17, and R19. Transistor Q5 turns Q8 "on", so the wave form at the collector Q8 is a square wave at the incoming frequency whose amplitude is constant. The square wave at the collector of transistor Q8 goes through C34 and the parallel combination of R40 and R41 to the tone detector. The tone detector responds to the frequency which is determined by C22, C23, and L4.
- (2) The action of the tone detector is such that the voltage across C24 will be 0 volt with no signal in, and 4 to 6 volts when a signal of the correct frequency is present. The voltage at the plus end of C24 will turn Q16 "on" when the correct signaling frequency tone is present. Q16, in turn, drives the output of relay K1. Transistors Q15 and Q16 and Q16 being a set, reset flipflop (such that when either transistor is "on", it is latched) will remain "on" until an external signal is sent to turn it "off". Normally, Q15 is "on" by being continually reset by Q14 which is gated "on" or "off" by Q13. The signaling tone present at Q13 which is biased "on", prevents Q14 from resetting the flip-flop. When no signaling is present, Q13 is "off" and Q14 continually resets or turns Q15 "on". The rate at which Q14 turns Q15 "on" is determined by the setting of R48 and whether terminals E5 and E6 are strapped.
- (3) Incoming voice signals are presented to the base of Q1. From the collector of Q1 signals go through R30 and C13 and through C18, L3, and C19 to

- the base of transistor Q9. R30 and C13 form a low pass filter. The band reject filter, C18 and L3, which is tuned to the supervisory frequency (3,250 Hz) prevents the supervisory frequency from being amplified by transistor Q9. Transistor Q9 then amplifies the voice frequency input signals which are applied to the transistor Q10 which is an ac signal detector. When no voice is present, the voltage across C21 is zero. When voice is present, the voltage across C21 will vary between 12 and 24 volts. This voltage across C21 causes current to flow through resistors R36 and R37 to turn Q11 "on". When Q11 turns "on", it discharges C24 through R39 and prevents any signaling tone from turning on the relay. Had signal tone been present first, transistor Q16 turns "on" and through CR3 prevents Q11 from being turned "on". Therefore, a priority system has been set up; whichever signal is present first (whether voice or supervisory), it will control; i.e., if we have voice present first, we cannot receive signaling tones to actuate the relay; if we have signaling first, voice signals will not cause the relay to fall out.
- (4) Transistors Q17 and Q19 form an amplifier with a zero degree phase-shift. Both the input and output of the amplifier are connected together and to the parallel tank circuit (L6, C28, and C29). Under normal conditions, the tank circuit will oscillate; oscillation is prevented when Q18 is turned "on". This causes the collector of Q19 to be shorted out to the -24 vdc, preventing gain in that stage, hence oscillation. When switch S1 is closed, transistor Q18 is turned "off" allowing the oscillator to function normally. Also, when pin F is at -48 vdc, this biases Q18 "off" and again allows the oscillator to function normally. The signal is sampled from the L3 network via R69 to the base of Q20. Transistor Q20 (common collector or emitter follower) serves as an impedance lowering stage. The output signal is taken from the wiper of R71 which serves as a level adjust. Transistor Q21 serves as a power amplifier and drives the output transformer T2 via C32. secondary windings of T2 are set up to either drive two 600-ohm lines, or to serve as a summing point for voice and tone signals.
- b. DTMF Tone Receiver 40452-01 (fig. 4-14 and FO-12). The input signals from the 4W REC LINE pins C and D and are coupled by high impedance transformer T1 to the base of input amplifier transistor Q19, the input amplifier (common emitter) provides isolation, gain and a low impedance drive source for the filters. The

signals from Q19 are fed to the filters, which have adjustable controls to set the minimum input level for a detectable output. The low pass filter has a cutoff frequency of 940 Hz and passes only the four lower DTMF tones. The cutoff frequency of the high pass filter is 1,200 Hz and passes the three high DTMF tones. Transistor Q18 and associated circuitry, which form the high pass filter with a cutoff frequency of 1,200 Hz, passes only the three highest frequency tones. cutoff frequency of the Low Pass filter, Q17, is 940 Hz enabling it to pass only the four lower frequency tones. The signals are then passed to the amplifier. amplifier input signal is developed across resistor R45 and passes through capacitor C1 to the base of transistor Q1. Q1 and Q2 are voltage amplifiers. Transistors Q3 and Q4 are driven "on" during the positive and negative cycle, respectively, excursions of the signal at the collector of Q2. This sets and resets the flip-flop (Q5 and Q6), producing a square wave whose frequency is equal to that of the incoming signal, but whose amplitude is constant. The flip-flop output is amplified by the complementary pair, Q7 and Q8, which drive the tone detectors.

- (1) The tone detectors convert the presence or absence of their particular tone into a corresponding dc level. The detected tones are resistively summed and sent to the tone summing output. As shown in figure 4-14, transistors Q20 and Q21 are the detector transistors for the 697-Hz tone. The input signal is received from the amplifier limited through resistor R59. The receipt of a signal of the proper frequency causes regeneration due to the positive feedback of R60. The emitter current of Q20 is filtered by C24 to provide a dc input level to Q21. Therefore, Q21 is "off" when no tone is present and "on" when the tone detector receives a signal of the correct frequency. The operation of the other tone detectors is identical to that of the 697-Hz circuit.
- (2) Resistors R101 through R107 form the tone summing network whose output is a complex waveform consisting of the sum of the detected frequencies. The tone summing output (decoded tone pair) is applied to transistor Q17 of the digit decoder.

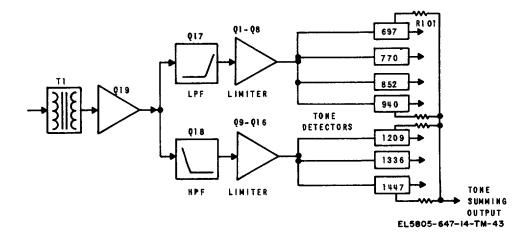


Figure 4-14. DTMF tone receiver 40452-02, simplified block diagram.

- c. Digit Decoder 40451-04 (fig. FO-13). The do outputs from each of the seven tone detectors in the tone receiver module are connected to the strappable terminals within the digit decoder module. The tone pair options for the first digit are strappable from E17 to either E14, E15, E16 for the high tone, and from E18 to either E10, EII, E12, or E13 for the low tones. Likewise, the tone pairs for the second digit are strappable from E8 to either E5, E6, or E7 for the high tones, and from E9 to either EI, E2, E3, or E4 for the low tones.
- (1) A flip-flop and gate circuit is associated with each digit (Q17, Q18, and Q19 for the first digit, and
- Q14, Q15, and Q16 for the second digit). Assuming a quiescent state, and that the decoder is strapped for 2 digit dialing (E19 and E20), Q20 and K1 will be turned off by the conducting states of Q16 and Q19 through diodes CR24 and CR25, respectively.
- (2) Q17 is normally conducting and CR22 is forward-biased, causing the junction of R60, C6 to be low. When the proper tone pair is received, Q17 will turn off and allow C6 to charge through

R60 and R61. Also, when Q17 turns off, CR20 will be reverse-biased turning Q9 "on" and disabling the reset timer Q3.

- (3) C6 will remain charged for the duration of the tones associated with the first digit. When the first digit tone pair disappears, Q17 will again turn "on", causing a negative pulse to be coupled from C6 through CR23 and R67 to the base of Q19, turning off Q19 and causing the Q18, Q19 flip-flop to set. When Q19 turns off, CR25 becomes reversed-biased, but Q20 remains turned "off" by CR24, Q16.
- (4) When the first digit tone pair disappears and Q17 turns back on, Q9 will turn off enabling the reset timer circuitry to operate. Assuming the second digit tone pair arrives before the reset timer times out, the following will occur. Q14 will turn off during the receipt of the second tone pair. Q9 will turn "on" through CR11, disabling the reset timer circuit. When Q9 turns "on", it turns Q10 "off" enabling the parity delay on the second digit. The parity delay is determined by the charge time of R36 and C4, reference the PUT circuit description. After the parity delay, transistor Q11 fires, turning Q12 "on" and Q13 "off" for a short period of time. During this time, C5 charges through R47 and R48.
- (5) When transistor Q13 turns back "on", a negative pulse is coupled to the base of transistor Q16 through diode CR16 and resistor R54, turning it "off" and setting flip-flop Q15 and Q16. Diode CR24 is now reversed-biased. Since CR24 and CR25 are both reversed-biased after receipt of the second digit, Q20 will conduct and K1 will actuate. After the second digit tone pair is removed, Q14 will again conduct, causing Q9 to turn "off". When Q9 turns "off", relaxation oscillator Q3 is enabled. After a time period determined by C1, R8 and R9, transistor Q3 will fire. This causes Q6 to conduct momentarily. The conduction of transistor Q6 causes Q16 and Q19 to turn "on", resulting in the fall-out of the Digit Accept Relay, K1. This time period is controlled by the setting of CALL TIME ADJUST CONTROL R9.
- (6) If the tone pair for the second digit are transmitted before the first digit tone pair (we reverse order) Q19 will be on and will forward bias CR14 so that C5 cannot charge when Q13 is turned "off", thereby preventing the Q15, Q16 flip-flop from setting.
- (7) Upon receipt of the 94]-Hz and 1,209-Hz tone pair, Q7 turns "off". This tone pair undergoes the same parity check as do all tones. At the end of the parity check, Q8 turns "on" and, in turn, Q18 and Q15 turns "on". This action reverse biases diodes CR24 and

- CR251 allowing transistor Q20 to actuate the relay. When the 941Hz and 1,477-Hz tones are decoded, transistor Q1 turns "off". After the parity check, Q2 turns Q19 and Q16 "on", releasing the Digit Accept Relay. The ALL Reset function is not applicable to the operation of the orderwire system.
- d. 4W/2W Hybrid 49008-01 and 49008-02 (fig. FO-14 and FO-15). The 4W/2W hybrid module provides the conversion function with amplification from the 4-wire input to the 2-wire line and from the 2-wire line to the 4-wire output. The Low Pass Filter between the 4-wire input and the 2-wire line deletes the signaling tone frequency in the 49008-01 module.
- (1) VF signals at the 4-wire input terminals are amplified and passed through the Low Pass Filter and presented to a resistive 4-wire/2-wire hybrid. In the opposite direction, the 2-wire line goes through the 4wire/2-wire converter, to an amplifier (with an adjustable input level), and passed through a transformer to the 4wire output line. Signals presented to the 4-wire input line (pins E and by pass through transformer T2 and are impressed across resistors R18 and R19 which determine the 600-ohm input impedance. R18, a variable resistor, determines the input level of the amplifier. The signal is developed across the wiper of R18, passes through capacitor C8, and presented to the base of transistor Q4. The selected value resistor (R17) is used to bias the entire amplifier. Diode CR3 is a temperature compensating device to assure that the dc levels in the amplifier are constant regardless of temperature changes. Transistor Q4 acts as an amplifier and the signal is derived from the collector and presented to the base of transistor Q3. Q3 amplifies the signal and presents it to the base of Q2. Transistor Q2 again amplifies the signal. Feedback is derived from the emitter of Q2 and fed to the emitter of transistor Q4 via Resistor R7 and capacitor C4 also resistor R6. contribute to the feedback network and serve to roll off the high frequencies of the amplifier, thereby limiting the amplifier's high frequency response, Capacitor C2, which is in parallel with the collector load of transistor Q2, also serves to roll off the high frequencies and lowers any high frequency noise. The signal from the collector of transistor Q2 passes through capacitor C1 and resistor R29 to the low pass filter. This three section LC type filter has a cutoff frequency of 2,700 Hz. Resistor R28 provides a dc ground for the filter. The signal leaving the filter passes

through capacitor C11 and is presented to the base of transistor Q5. Transistor Q5 operates as a common emitter amplifier stage. The amplified signal passes through capacitor C10 to the primary of transformer T1. The secondary of T1 is coupled to one-half of the 4W/2W resistive hybrid (R2, R3, and R4). These resistors form the hybrid network and pass signals received from the secondary of T1 to the 2-wire line with a 6-db loss. Resistor R1 serves to terminate the 4W/2W resistive network when there is no load on the 2wire line. This prevents crosstalk under mismatched impedance conditions.

(2) Signals coming in the 4-wire input and destined for the 2-wire line, leave the module on pins J and K. Signals generated by a source connected to the 2-wire line arrive via pins J and K and may be monitored at test points TP1 and TP2. These signals are presented to the 4W/2W hybrid (R2, R3, and R4) and passed on to the primary of transformer T3. The signals are coupled to the secondary of T3 and are impressed across resistors R30 and R31. From the wiper of resistor R31, the signals pass through capacitor C26 to the base of transistor Q6. The selected value resistor (32) is used to bias the entire amplifier (Q6, Q7, and Q8). Diode CR4 is a temperature compensating device for the amplifier. Signals present on the base of Q6 are amplified and passed on to the base of Q7. Q7 amplifies the signal and feeds it to the base of transistor Q8. Feedback is derived from the emitter of Q8 and is fed back to the emitter of Q6 via resistor R41: Capacitor C31 and resistor R42 serve to cut down the frequency response of the amplifier. The collector of Q8 is bypassed by capacitor C32 to minimize high frequency noise. The signals from the collector of Q8 pass through capacitor C33 to the primary of transformer T4. These signals are coupled to the secondary of T4 and presented to the 4wire output line via pins M and N. Pin S is connected to an external source which determines the state of the 2wire terminating resistor R1. In normal operation, pin S is "open" and Q1 is "on" (being forward-biased through R21 and CR2). When pin S is connected to -48 vdc, Q1 turns "off" releasing the relay K1. This is normally accomplished when a telephone that is connected to the 2-wire line goes "off-hook". When the telephone goes back "onhook", pin S is "open", Q1 turns "on" actuating relay K1. K1 contacts are closed and connect R1 across the 2-wire line.

e. 4 Way/4 Wire bridge 40155/40455-03 (fig. FO-16). The module contains strappable pads (refer to

chapter 2 for strapping option information) and a bridge for the purpose of terminating up to four-wire lines.

(1) Any input is connected to three other outputs through resistors, which produce a 15-db insertion loss. Because of the bridge configuration, the signal on the input leg does not go to its own output.

NOTE

All legs of the bridge work in an identical manner; therefore, the following discussion will be limited to Leg 1 only.

(2) A signal is applied to LEG 1 IN, pins L and K. The signal is presented to a 9-db pad, which may be bypassed if no attenuation is desired. If the pad is strapped into the circuit there will be a 24-db attenuation from the input to any of the other three outputs. (The pad is not used in these orderwire applications.) The 4W/4W bridge receives the signals from the pad (if strapped in) and attenuates them by 15 db, and transfers them to the OUT terminals of legs 2, 3, and 4. Located in the send portion of each leg is a dual amplifier circuit to compensate for transmit losses. Further discussion of the amplifier is discussed in f below for dual amplifier modules 40172 and 40472-03.

NOTE

The 40155-03 4 way/4wire bridge is not mounted within the common equipment shelf; it is located within bridge and amplifier shelf assembly 40110-98.

f. Dual Amplifier 40172/40472-03 (fig. FO-17). The dual amplifier module functions as two independent amplifiers on a single printed circuit board. Input and output levels can be monitored by the use of available test points for each amplifier. The power supply leads are decoupled to provide a maximum power supply rejection level. Both amplifiers function in an identical manner and are electrically the same.

NOTE

Dual amplifier plug-in module 40172-03 is not mounted in the common equipment shelf; it is located within bridge and amplifier shelf 40110-98.

(1) A signal is applied to the module at the input pins and coupled across a transformer. A variable resistor is provided in order to adjust the input to the 3-stage, direct-coupled amplifier. The output of the amplifier is fed to a second transformer and coupled through to the output pins to a 600-ohm external load.

NOTE

Since both the "A" and "B" amplifiers are

electrically and functionally identical, the discussion below will cover only the "A" amplifier.

- (2) The input signal is applied to pins H and J on the module. Input level can be monitored at TP1 and TP2. The signal is then applied across the primary of transformer T1 and coupled to the secondary. The secondary of T1 feeds resistors R2 and R3 (which are in These resistors form the terminating impedance for the transformer. R3 provides a variable input level to the amplifier itself. The amplifier input signal is developed across the portion of R3 (between the wiper and ground) and passes through C2 to the base of transistor Q1. Capacitor C3 serves to decouple the base bias current of Q1. Resistor R4 (selected value) is in parallel with resistor R7 and serves to bias the amplifier correctly. Diode CR1 is a temperature compensating device to assure that the correct dc levels in the amplifier are constant regardless of the temperature changes. Transistor Q1 is the initial input amplifier and drives Q2 directly. Capacitor C5 bypasses the emitter to Q1, giving a high ac gain but a low dc gain. The emitter of Q2 is bypassed by capacitor C6 for low dc gain and high ac gain. Transistor Q2 amplifies the signal and feeds it directly to the base of Q3 (the output amplifier). Feedback is obtained from the emitter of Q3 and is fed back to the emitter of the input amplifier Q1 via the combination of R13, C7 and R14. Resistor R13 determines the broadband gain of the amplifier while capacitor C7 and resistor R14 serve to roll off the gain of the amplifier at high frequencies. The collector of Q3 is bypassed by capacitor C8, eliminating high frequency noise in the output stage. The output signal passes through capacitor C9 to the primary of transformer T2. The secondary of T2 is coupled via pins C and D to an external 600-ohm load. The -24-vdc operating voltage for this amplifier is applied to pin A and fed across resistor R1 (the power supply decoupling resistor). Capacitor C1 filters the power supply voltage and provides low impedance power for the total amplifier.
- g. Dc-Dc Power Supply 41028-01 (fig. FO-18). The module contains a series regulator, a foldback current limited, and monitoring, control, and protective devices.
- (1) Input current is applied to pins S and T and passes through the PC board to terminal E2, through fuse FI and switch S1 to terminal E.From EI, it passes back out the board on pins J and K to resistor R1 (shelf) and transistor Q1 (shelf) to pins C and Current then passes through R2 to pins A and B. Resistors R9,

R10, and RII provide a voltage divider sampling network. This sampling voltage, which is a fraction of the output voltage, is presented to the emitter of transistor Q4. Transistor Q4 operates as a grounded base stage and amplifies the signal. The signal output is then taken from the collector of Q4 and applied to the base of transistor Q2. Transistor Q2 amplifies the signal and presents it to the base of Q1. Transistor Q1 then drives Q1 (shelf). When the output voltage rises, Q1 (shelf) turns "off" and lowers the output voltage to the original value.

(2) The zener diode (VR1) is the voltage reference for the regulator. Resistors R6 and R7 constitute a voltage divider and provide the proper bias voltage for transistor Q4. Resistor R10 (adjustable) is used to set the output voltage of the regulator board. Resistor R2 is a current sampling resistor. When the voltage across R2 reaches a predetermined value (at greater than 1.5A output current) transistor Q3 will turn "on", causing Q1 to turn "off". Q1, in turn, turns Q1 (shelf) "off". The voltage required to turn Q3 on is less when the output is short-circuited than it is when the output is functioning normally. Therefore, we have foldback current limiting; i.e, short circuited output current is less than normal operating current. Capacitor C1 bypasses the collector to base of transistor Q2 at high frequencies preventing oscillation. Resistor R12 limits the current to the test points, preventing accidental shorting out of the regulator output. Fl protects the external power source. S1 is the "on/off" switch. DS1 is illuminated by the output voltage and will not be illuminated if the output is short circuited. The output voltage may be monitored at TP1 and TP2.

4-7. Local Orderwire Unit, 41010-97, Functional Description

a. Speaker Amplifier 41030-01 (fig. FO-19). The microphone is connected to J1. Microphone current comes from "A" to terminal EI, through the contacts of switch S1 (which are closed when off-hook), through resistor R1, Terminal E2, out microphone J1, Terminal E4 and through "B" to ground. Talking into the microphone changes its impedance and these audio signal variations are taken through R2 and R3, through capacitor C1 through the emitter the transistor Q2. Transistor Q2 functions as a common base amplifier. The signals are taken from the collector of Q2 and presented directly to the base of Q1, and at the emitter of Q1 we see the amplified signal. Resistor R12 serves to terminate the secondary of transformer T1 or drive the secondary of T1

characteristic impedance. Signal flow is through R12 to C4 to the primary of T1. Capacitor C5 acts to filter out high frequency noise. Signals from the secondary of T1 pass through pins C and E for the 600-ohm output, or through pins D and E for the 150-ohm output. Both outputs are balanced. The signaling tone is presented to pin F and ground. Resistor R5 serves to provide a 600-ohm input impedance. Signals go from the junction of R5 and pin F through R6 and C2 to the emitter of Q2 (where they follow the same path as do the voice signals). The signals coming into the module arrive via pins M and P for 600-ohm balanced input, or pins N and P for 150-ohm balanced input. Signals are coupled across transformer T2 and are derived at across R21.

The same signals now may be taken off pin K and ground for external sampling. The signals are presented to terminal E9 and pass through resistor R43 (VOLUME CONTROL) to terminal E8 and to ground. The wiper of R43 samples part of the input signals and presents this portion to terminal E6, through C7, to the base of transistor Q3. Transistor Q3 is used as a buffer stage for the VOLUME CONTROL. Output signals are taken from the emitter of Q3 and pass through resistor R16 to a summing point. Transistor Q4 is a sidetone amplifier. It samples the transmitted signals through R11 and C8. The sidetone signals are taken from the emitter and pass through R17 to the common summing point. summed signals of the sidetone and receive signals pass through capacitor C6 to terminal E7. The signal present at terminal E7 may go either to the handset earpiece or to the speaker power amplifier, depending on the external conditions. If the handset is plugged in and is off-hook, switch S1 will be in the position as shown on the schematic. Signals will pass through switch S1 to the handset jack J1 to terminal E3, through resistor R4 to point "A" (-24 vdc). If the handset is on-hook, S1 will be in the lower position and signals will go from terminal E7 to terminal E12 and to the input of the speaker power amplifier. If the handset is not plugged in, the signals will pass from terminal E7, through the normally open contacts of S1, to the lower section of the handset jack through the normally closed connection of the handset jack and back down to terminal E12 to the input of the speaker power amplifier.

(1) The speaker power amplifier consists of a common emitter gain stage (Q9) and two emitter followers operating in a class AB mode. Input signals from terminal E12 are developed across R32 and presented to the base of Q9. These signals are amplified by Q9 and are seen on its collector. The signals are then presented to transistors Q7 and Q8.

Transistors Q7 and Q5 operate as a Darlington pair while Q8 and Q6 operate as the gain stage. Diodes CR1, CR2, and CR3 are temperature compensating devices for the amplifier and bias it correctly. Capacitor C11 provides shunting at high frequencies and lowers the gain of the amplifier. The current will be amplified by the two output pairs and will be seen at the junction of R22, C10, and Q6. Feedback from the output is derived across R25 and C13 and is fed back to the input; C14 serves to roll off the high frequency gain of the amplifier. The output of the amplifier passes through capacitor C10 to terminal E14, through the loudspeaker, and back to terminal E13 to ground.

(2) The alert call circuit is a modulated injunction stage. Transistors Q10 and Q11, the two injunction relaxation oscillators, will operate when pin S is connected to ground.

Simultaneously, ALERT LAMP DS1 will light.

Capacitor C16 charges through R37 until it reaches the firing point of transistor Q10, which is approximately sixtenths of the supply voltage.

At this time, the transistor "fires", causing C16 to discharge through it and across R35. The rate at which the charging and discharging occurs determines the basic frequency as heard in the speaker. At the same time C16 charges and discharges, Q11 provides a means of charging and discharging capacitor C17. This is done at a much spower rate than that of Q10 and C16. This action produces the frequency modulated signal seen at the emitter of Q10. The signal from the emitter of Q10 passes through resistor R34 and capacitor C15 to the speaker power amplifier. The signal is amplified and is heard through the speaker.

- b. Power Supply, 41029-01 (fig. FO-20) The module front panel contains a fuse, power switch, indicator lamp, and test points (for monitoring the output voltage). A split-winding primary transformer is used in the module to achieve the 120/220-vac input capability. The use of a bridge rectifier with a capacitive input filter converts the ac to a usable dc voltage. The module uses a feedback type regulator for voltage regulation and incorporates a foldback current limiting feature to limit the maximum output current.
- (1) When 120 vac is used as the input voltage, it is applied to pins L and N; passes through the module to terminal E20 of the voltage regulator board. From terminal E20, the voltage goes through the power switch (S1) and the fuse (F1) to the power transformer (T1).

sections on the primary are connected in parallel for 120-vac operation. See Note 1, figure FO-20.

- (2) For 220-vac operation, terminals E15 and E17 are jumpered. The 220-vac input voltage is applied to pins L and N and pins K and P and passes through the module to terminal E20 of the voltage regulator board and on through the switch and fuse to the transformer. The two sections on the primary of the power transformer (T1) are connected in series for 220-vac operation.
- (3) The secondary of the power transformer (T1) is connected to terminals E1I and E8 on the rectifier board (1410-1990). The rectifier board contains bridge rectifier CR1 through CR4 and makes connections to the filter capacitor, (C5). CR1 through CR4 rectify the incoming sinewave from the secondary of T1 and present a full wave rectified ac signal to the filter capacitor. C5 filters the signal and its outputs are taken from terminals E3 and E6 of the rectifier board and presented to terminals E10 (-) and E9 (+) on the voltage regulator (1410-1202). The minus lead from the filter capacitor is tied to terminal E10 which is connected to the emitter of Q5 (the external series pass transistor). Base current of Q5 reenters the regulator board via pin H to the collector of transistor Q1. The collector of the external transistor (Q5) is connected to pins C and D. It can be seen that the unregulated input power arriving at

terminal E10 will become a regulated output at pins A and B. Resistors R9, R10, and RII provide a voltage divider sampling network. This sampling voltage is presented to the emitter of transistor Q4. Transistor Q4 operates as a grounded base stage and amplifies the signal. The signal output is taken from the collector of Q4 and applied to the base of transistor Q2. Transistor Q2 amplifies the signal and presents it to the base of Q1. Transistor Q1 then drives Q5. The zener diode (VR1) is the voltage reference for the regulator. Resistors R6 and R7 constitute a voltage divider and provide the proper bias voltage for transistor Q4. Resistor R10 (adjustable) is used to set the output voltage of the regulator board. Resistor R2 is a current sampling resistor. When the voltage across R2 reaches a predetermined value (approximately 7.6A output current), transistor Q3 will turn "on", causing Q1 to turn "off". Q1, in turn, turns Q1 (shelf) "off". The voltage required to turn Q3 on is less when the output is short-circuited than it is when the output is normally functioning; therefore, we have foldback current limiting; i.e., short-circuited output current is less than normal operating current. Capacitor C1 bypasses the collector to base of transistor Q1 at high frequencies, preventing high frequency oscillation. Resistor R12 limits the current to the test points, preventing accidental shorting out of the regulator.

CHAPTER 5

ON-SITE MAINTENANCE

5-1. Scope of On-Site Maintenance

- a. This chapter contains instructions for performing preventive and corrective maintenance operations and associated testing procedures. If the performance of authorized corrective maintenance procedures does not result in a serviceable equipment, off-site maintenance is required.
 - b. On-site maintenance includes:
- (1) Preventive maintenance checks and services (para 5-3).
- (2) Fault isolation to a defective assembly (para 5-4 and 5-5).
- (3) Adjustment and alignment procedures for the overall Orderwire/Intercom facility (para 5-6).
- (4) Removal and replacement procedures for defective assemblies (para 5-7).

5-2. Tools, Test Equipment, and Materials Required

- a. The tools and test equipment required for on-site maintenance are listed in the maintenance allocation chart (app C).
- b. The materials required for on-site maintenance are listed below:
 - (1) Lint-free cloth.
 - (2) Brush, paint, 1/2-inch width.
 - (3) Trichloroethane.

5-3. Preventive Maintenance

- a. General. Preventive maintenance is the systematic care, inspection, and servicing of equipment to maintain it in serviceable condition, prevent breakdowns, and ensure maximum operational capability. Preventive maintenance includes the inspection, testing, and replacement of assemblies and sub-assemblies that inspection and tests indicate would probably fail before the next scheduled periodic service.
- b. Preventive Maintenance Checks and Services Periods. The preventive maintenance checks and services for the equipment are given in e, f, and below. These checks and services must be performed during the specified periods. Records and reports of the preventive maintenance checks and services must be made in accordance with requirements set forth in TM 38-750.
 - c. Cleaning.

WARNING

Dangerous electrical potentials and currents are present within the

- equipment and associated station cables. Before cleaning any internal areas, remove input power. Failure to comply with this warning could result in injury or DEATH
- (1) The exterior and interior surfaces of the equipment should be free of dust, dirt, grease, and fungus.
- (2) Access to the interior of the cabinets is made by removing rear cover on each cabinet.

CAUTION

Use extreme care not to disturb component lead dress or cause damage to components within the cabinet. Do not apply excessive pressure to any wiring harness or assembly mounted with the cabinet.

(3) Using a vacuum cleaner equipped with a plastic cleaning head and extension hose, carefully remove any accumulated dust and dirt from the cabinet interior.

WARNING

The funes of trichloroethane are toxic. Provide thorough ventilation whenever used. DO NOT use near an open flame. Trichloroethane is not flammable, but exposure of the fumes to an open flame converts the fumes to highly toxic, dangerous gases.

(4) Use a dry, clean, lint-free cloth or brush to remove persistent dust or dirt. If necessary, moisten cloth with trichloroethane. After cleaning, wipe dry with a clean cloth.

WARNING

Compressed air is dangerous and can cause serious bodily harm. It can also cause mechanical damage to the equipment. Do not use compressed air to dry parts where cleaning compound has been used.

- (5) Dry compressed air (not to exceed 60 pounds per square inch) may be used to remove dirt and dust from inaccessible places.
- (6) Clean the display panel and pushbuttons, using a soft, clean cloth. If dirt is difficult to

remove, dampen the cloth with water Mild soap may be used

d. Refinishing. Remove rust and corrosion from metal surfaces Refer to the applicable cleaning and refinishing practices specified in TB 746-10.

NOTE

If the equipment must be kept in continuous operation, check and service only those items that can be checked and serviced without affecting operation; make the complete checks and services when the equipment can be shut down.

e. Weekly Preventive Maintenance Checks and Services. Perform the following weekly checks.

No	Item	Procedure	References
1	Cabinet condition	Clean exterior surfaces of cabinet	Para 5-3c
2	External wiring	Inspect external wiring at terminals tightness.	s for None.
3	Modules	Inspect seating of all modules	None.

f. Monthly Preventive Maintenance Checks and Services. In addition to the weekly checks, perform the following monthly checks.

Sequence			
No	Item	Procedure	References
1	Cabinet condition (exterior surfaces)	Examine cabinet exterior surface for corrosion or need for refinishing.	
2	Interior of cabinets	Clean interior of cabinets. Touch up paint as	Para 5-3c and 5-3d. required.
3	Publications	Check to see that all publications are complete, serviceable, and current.	DA Pam 310-4.
4	Modifications	Check DA Pam 310-7 to determine if new applicable MWO's. must be applied immediately. All normal MWO's must be scheduled.	TM 38-750 and DA Pam 310-7
5	Spare parts	Check all on-site spare parts for general condition and method for storage There should be no evidence of overstock, and all shortages must be on valid requisitions.	
6	Operation	Perform system operational test	Para 5-5b.

5-4. Corrective Maintenance

- a. General. On-site corrective maintenance consists of those activities that can be accomplished by on-site personnel to restore a defective equipment to normal service. This activity normally includes localization of the fault to the module or PC card and then repair of the equipment by replacement of a module or pc card or through adjustment.
- b. Maintenance Procedure. Procedures are provided in paragraph 5-5 that enable testing of all functions of the equipment. If any function cannot be satisfactorily performed, corrective action procedures are provided.

5-5. Operational Test and Troubleshooting

- a. General. The operational tests outlined in the chart below are designed to verify acceptable operation of the equipment. If the normal indication specified is not observed, perform the corrective action given in the last column.
- b. Operational Test Procedures. Perform the operational checks given in the chart below in the order listed.

Step	c. Operational Test and Test	Troui	bleshooting Procedure. Test procedure		Normal indication		TM 11-5805-0 Corrective Action
<i>No.</i> 1	DTMF circuit operation	a.	Request that a distant station calls. Place handset on hook.	a.	Incoming call causes appliable lamp to flash and audible indicator to sound.	a. (1)	Troubleshoot as follows: DTMF indicator If indicator lamp does not flash. replace indicator lamp. If this does not correct problem, replace interrupter card. If audible indicator does
							not sound, replace audible indicator. If this does not correct problem. replace interrupter card.
						(3)	If both visual and audible indicators do not operate, alternately replace following cards until fault is corrected (replace original card if fault has not been corrected with substitution for that card): (a) Interrupter card. (b) Line card. (c) Digit decoder card. (d) DTMF tone receiver card. (e) S. F. detector and
		b.	Remove handset and initiate conversation with distant station.	b.	Sidetone is audible and normal two-way conversation can be maintained.	b. (1)	oscillator card. Troubleshoot as follows: If sidetone cannot be heard, check for dc power (approx 2 to 4 volts) across resistors associated with circuit under test (refer to A, fig. 5-9 and FO-8). If normal reading is not obtained, check ap- plicable inductors and resistors. If normal reading is obtained, check handset receiver and replace if necessary.
						(2)	
							(d) Orderwire set call director network.(e) Orderwire set handset.

Step	Test		Test procedure	1	Normal indication	(TM 11-5805-64 Corrective Action
No. 2	E & M circuit operation (not applicable to local orderwire unit). indicator to sound.	a.	Request a call from distant station. Place handset on-hook.	a.	Incoming call causes applicable E& M indicator lamp. to light and audible	a (1) (2)	not sound, replace audible alarm. If this does not correct problem, replace interrupter card. If both visual and audible indicators do not operate, alternately replace following cards until fault has been corrected (replace original card if that part is not at fault): (a) Interruptor card. (b) Line card. (c) S. F. detector and
		b.	Remove handset and initiate conversation with distant station.	b.	Sidetone is audible and normal two-way con- Versation can be maintained.	b. (1)	heard, check applicable resistors and indicators in battery circuit. Replace any defective part. If parts are not defective, check receiver in handset and replace if necessary.
3 See footnote	PBX circuit operation distant station. Place handset on hook.	a.	Request a call from	a.	Incoming call causes applicable PBX indicator lamp to flash and audible indicator to sound.	a. (1) (2) (3)	Troubleshoot as follows: If indicator lamp does not flash, replace indicator lamp. If this does not correct problem, replace interrupter card. If audible indicator does not sound, replace audible alarm.

Step No.	Test	Test procedure	Normal ind	ication	Corrective Action
		b. Remove handset in hookswitch and initiate conversation with distant station	normal tw on versation	is audible and b. vo-way con- (1) can be main-	heard, check applicable resistors and indicators in battery circuit. Replace any defective part. If parts are not defective, check receiver in handset and replace if necessary.
				(2)	conversation cannot be maintained, and external equipment is not at fault, alternately replace following parts until fault has been corrected (replace original part if that part is not at fault): (a) Orderwire set handset. (b) Orderwire set hookswitch. (c) Orderwire set call director network.
4	Hold circuit operation	a. Call distant static and request a retu call. Place hands on-hook. Upon	rn winks to	e line indicator a. indicate hold call.	Replace applicable line indicator lamp. If this does not correct fault, replace interrupter card. receiving incoming call indication, remove handset from hookswitch. Depress applicable line key and then depress hold key.
5	Conference circuit	 Depress and releating winking line indicator key. 		ld is released and b. tion can com-	Replace line and associated with circuit under test.
ŭ	operationa.	Call two or more distant stations and request return call From each. handset on-hook. Upon receiving each incoming call in-	d line indicator t conference. Place		Troubleshoot as follows: If a particular line in. dicator lamp does not flash, replace lamp. If each line indicator lamp does not flash, replace
		dication, remove handset from hool switch, depress applicable line ke and then depress conference switch	y	on in conformace. h	interrupter card. If fault is not corrected, replace conference switch assembly.
		b. Converse over of ference circuit	circuit car	es in conference b. In take part in Communication.	Replace conference relay (fig 5-10) applicable to any circuit that cannot enter conference.

Step No.	Test	Test procedure	Normal indication	Corrective Action
6	Jack and lamp panel operation	a. Using an orderwirn unit that is wired to a remote jack and lamp panel, request a call from a distant station. Place handset on-hook.	Applicable lamp on jack and lamp panel flashes to indicate incoming call.	Replace indicator lamp. If fault is not corrected, fault probably is with interunit wiring to jack and lamp panel.
		 Insert headset plug into applicable jacks on jack and lamp panel. 	Normal. two-way conversation can take place.	 Check applicable resistors and indicators in battery circuit. Replace any defective part. If parts are not defec- tive, fault is with headset or with external wiring to or- undernier set.

5-6. Alignment and Adjustment Procedures

- a. Test Equipment. The test equipment which may be required for alignment and adjustment of certain assemblies during their operation within the system and after servicing of the unit is listed below. For specific model and type information refer to the maintenance allocation chart (MAC) (app C).
 - (1) Telephone test set.
 - (2) Multimeter.
- b. Dc-Dc Power Supply 41028-1 Output' Voltage Adjust and Check.
- (1) Using multimeter 210, connect its common test lead to common test point (black test jack) of power supply and its positive lead to the positive test point (white test jack).
 - (2) Note the indication on the multimeter.
- (3) Adjust for meter indication of -24vdc + 0.3-vdc output voltage.
 - (4) Disconnect test equipment.
- c. Dual Amplifier Modules 40472-03 and/or 40172-03 Adjustment. Refer to paragraph 2-7 for alignment and adjustment of the respective dual amplifiers.
- d. 2W/4W Hybrid Module Adjustment. Refer to paragraph 2-7 for alignment and adjustment of the 2W/4W hybrid module.
- e. SF Oscillator and Detector Modules. Refer to paragraph 2-7 for alignment and adjustment of the SF oscillator and detector modules.

5-7. Removal and Replacement Procedures

The following subparagraphs provide information for removal and replacement of those assemblies and subassemblies which are to be repaired onsite or which are to be removed on-site and sent off-site for repair.

a. Removal and Replacement of Modules. Removal and replacement procedures for the

common equipment shelf and the PC card shelf are the same as those provided in paragraph 2-6.

NOTE

The removal and replacement procedures in *c* through *l* below are applicable to both the desk type and rack-mounted access orderwire units unless stated otherwise.

- b. Station Number Card Removal and Replacement.
 - (1) Remove bezel and faceplate (c below).
 - (2) Slide paper facemat out of bezel.
- (3) Remove old station number card and slide new card into place.
- (4) Reassemble paper facemat, faceplate, and bezel, and replace on phone (c below).
- c. Faceplate and Mat Removal and Replacement (Desk Set). Use the following procedure to fit a new mat or faceplate. (See figure 5-1 for parts identification.)

NOTE

Removal and replacement of bezel for the desk telephone is applicable to the rack-mounted units also.

- (1) Remove bezel, facemat, and faceplate by prying the bezel out from the top of the housing with fingertip pressure. Raise the bezel until it clears the dial and key buttons, then lift away from the telephone with an upward motion to disengage the lower clips of the bezel from the housing. Use care in removing the bezel to avoid marring the housing.
 - (2) Slide the faceplate and mat out of the bezel.
- (3) Slide the new faceplate and mat into the bezel and align the cutouts in the mat with those in the faceplate and bezel.
- (4) Insert bezel clips into the slots at the bottom of the housing, then swing the bezel down

to engage the top spring clips in the slots at the top of the housing.

- (5) Press top edge of bezel to engage spring, clips.
- (6) If the bezel does not seat properly, or is loose, check clips on the bezel and reform as necessary.
- d. Desk Set Housing Removal and Replacement.
 - (1) Removal.
 - (a) Remove bezel (c above).
- (b) Loosen the two housing securing screws at rear of telephone (fig. 5-2).
- (c) Raise rear of housing until clear of securing screws, then disengage clips from the slots on the front of the telephone base and lift off housing.
 - (2) Replacement.

NOTE

When replacing housing, check that cords exit through the proper openings and are not pinched between housing and base.

- (a) Hook housing clips into slots located at the front of the telephone base.
- (b) Slide housing in and down over the telephone until housing slots fit over the housing securing screws.
 - (c) Tighten the securing screws.
 - (d) Replace bezel (c above).
- e. Call Director Mounting Panel Removal and Replacement (Rack-Type Only).
- (1) Removal of the rack-mounted link orderwire unit or the rack-mounted remote orderwire unit from the station cabinet is accomplished by removing the four front panel retaining screws.
- (a) Removal of the retaining screws permits the rack-mounted unit to be easily lifted out of the cabinet.
- (b) To prevent front panel damage while removing or installing a component on the rear of

the call director, make sure the mounting panel is face down on foam or a soft surface.

- (c) Remove the two angle brackets from the mounting panel.
- (d) The call director may now be turned over to clear the mounting panel. If extensive work is required on the call director, the wiring between the mounting panel and the call director should be disconnected at the respective spade lug terminals.
- (2) Replacement of the call director on the mounting panel is a reverse procedure, with the following added instructions.
- (a) As call director is returned to mounting panel, properly dress and position interconnecting harness leads and reconnect if required.
- (b) Install angle bracket on one side but do not tighten screws.
- (c) Turn assembly on end (top side up) and insure that the key strip assemblies and blank strips are properly seated in the mounting panel cutout. Slightly reposition call director if necessary.
- (d) Install the second angle bracket. (Pressure must be exerted on the base of the call director.)
- (e) Reinstall the faceplate and bezel on the front of the unit.
- (f) After inspection of assembly for proper alignment, tighten screws on both rear angle brackets. Pressure should be maintained on the plastic faceplate while securing angle brackets in order to prevent excessive bowing of the faceplate.
- (g) If the dial assembly has been loosened during disassembly, it should be tightened after dial alignment.

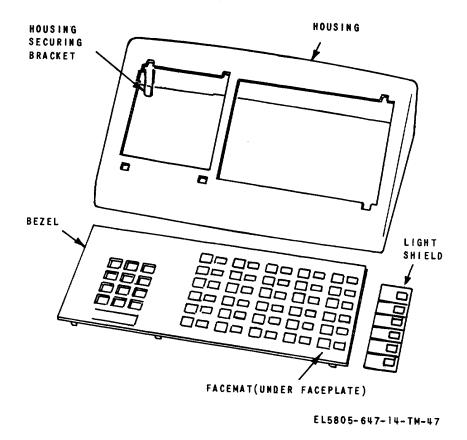


Figure 5-1. Deck set telephone, housing and faceplate details.

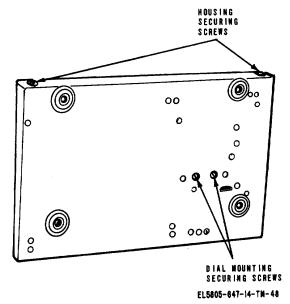


Figure 5-2. Typical telephone baseplate, mounting details

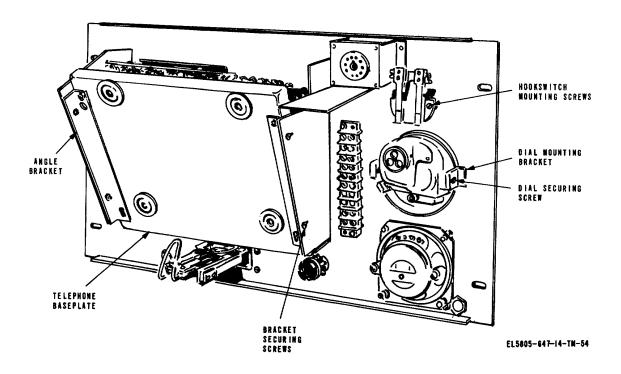


Figure 5-3. Rack mounted call director, frame and parts location (rear view).

- f. Hookswitch Replacement.
 - (1) Desk-type orderwire unit.
 - (a) Remove housing (d above).
 - (b) Remove cord clamp (fig. 5-4).
 - (c) Loosen key frame locking screws (fig.

5-5) and lift key frame.

NOTE

Be careful not to lose the spacing washers behind the screws.

- (d) Remove the two terminal board securing screws.
- (e) Lift terminal board away from hookswitch.
- (f) Remove hookswitch restoring spring (fig. 5-6).

NOTE

Take care not to lose brass washer from end of pivot bar.

- (g) Remove hookswitch pivot bar by pushing on rounded end and allowing fiat end to drop to the lower part of its mounting hole.
- (h) Remove hookswitch by disengaging the nylon spring lifter from the hookswitch springs and turning the nylon lifter sideways in hookswitch frame.
- (i) Install new hookswitch by reversing above procedure.
 - (2) Rack-mounted orderwire units.
 - (a) Remove housing.
 - (b) Remove hookswitch restoring spring.
 - (c) Remove hookswitch assembly

mounting screws and remove hookswitch assembly from mounting panel (fig. 5-3).

(d) Install new hookswitch by reversing the above procedure.

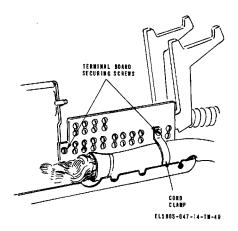


Figure 5-4. Express-Link-Local-Order Wire Unit TA-923/FSC, terminal board and line cord mountings

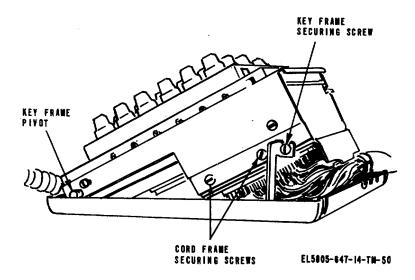


Figure 5-5. Typical frame securing screws, parts location.

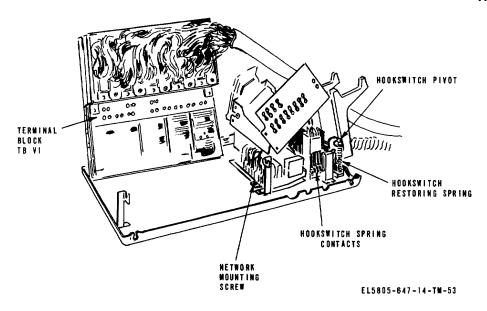


Figure 5-6. Express-Link-Local-Order Wire Unit TA-923/FSC, key frame and hookswitch details and parts location.

g. Lamp Removal and Replacement.

NOTE

Do not use metal tool to remove lamp or adjust lamp springs.

- (1) Remove bezel (c above).
- (2) Remove light shield (fig. 5-1).
- (3) Inset tip of an orange stick beneath plastic end of lamp and pry lamp out of socket (fig. 5-7 and 5-8).
- (4) Clean the metal contact surfaces of new lamp and check tension and alignment of lamp springs.
 - (5) Insert new lamp with glass end towards

key button and metal contact surfaces against lamp springs.

- (6) Replace bezel (c above).
- h. Handset Cord Removal and Replacement.
- (1) Remove housing. (Refer to and e above for the rack-mounted unit and desk type units, respectively.)
- (2) Remove dial. (Refer to i below for the DTMF dial and the rotary dial).
- (3) Disconnect old handset cord leads from the network.
- (4) Install new handset cord by reversing above procedure.

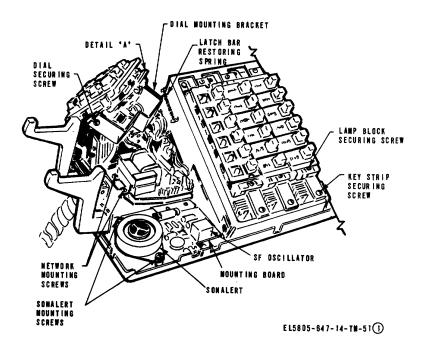
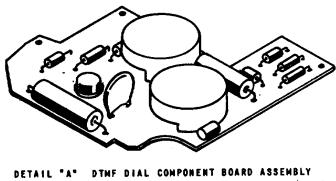


Figure 5-7 (1). 30 button key frame, component mounting (sheet 1 of 2).



DETAIL "A" DIMF DIAL COMPONENT BOARD ASSEMBLY
ELSBOS-647-14-TM-512

Figure 5-7 (2). 30 button key frame, component mounting, (sheet 2 of 2).

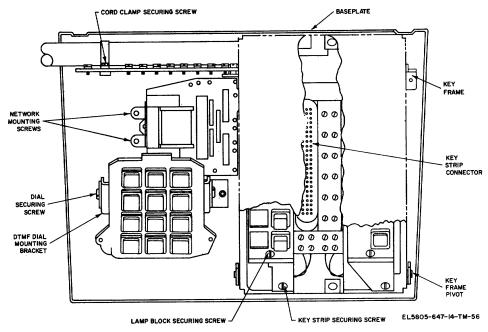


Figure 5-8. 18 button key frame, component mounting

- i. Dial Removal and Replacement.
 - (1) DTMF pushbutton dial.
 - (a) Remove housing (d and e above).
 - (b) Disconnect the dial leads.
- (c) Tip the telephone to expose the underside of the baseplate.
- (d) Hold the dial with one hand, and remove the dial mounting-bracket screws from the baseplate.
- (e) Lift out the dial complete with mounting bracket (fig. 5-7 and 5-8).
- (f) Loosen the two screws holding the dial to the bracket and remove the dial.
- (g) Install new dial by reversing the above procedure.
 - (2) Rotary dial.
- (a) Remove entire panel from rack (e above).
- (b) Loosen the two screws holding the dial to the brackets and remove the dial (fig. 5-3).
- *j.* SF Oscillator/Sonalert Removal and Assembly From Telephone Panel Call Directors.
 - (1) Removal.

(a) Unsolder blue lead (BL) from terminal

E3.

- (b) Unsolder yellow-brown-brown (Y-BR) lead from terminal E2.
- (c) Unsolder white-yellow wire from terminal El.
- (d) Remove slate-yellow (SL-Y) lead from positive (+) lug of sonalert.
- (e) Unsolder violet-orange lead from negative (-) lug of a sonalert.
- (f) Remove the sonalert from the mounting board (fig. 5-7).
- (2) Replacement. Perform reversal of removal procedure for replacement of SF Oscillator/Sonalert assembly.
 - k. Key Strip Removal and Replacement.
 - (1) Remove housing (d and e above).
- (2) Loosen both captive screws holding key strip to the mounting frame. (fig. 3).
- (3) Grasp both ends of key strip and pull key strip from connector socket.
- (4) Move key strip towards top of frame until front end clears mounting frame.

(5) Lift front end of key strip up and forward to remove.

NOTE

Remove latch-bar return spring and pin (fig. 3) from replacement key strip (if fitted) before installing key strip in mounting space.

- (6) Lower top end of replacement key strip into mounting space.
- (7) Move key strip towards top of frame until front end of key strip clears mounting frame then push front end down into place.
 - (8) Push key strip connector firmly into socket.
 - (9) Tighten both key strip securing screws.
 - (10) Replace housing (d and e above).
- (11) Random test the buttons for proper locking and releasing operation.

NOTE

Figure 5-8 shows a removed key strip from a rack-type telephone unit.

- I. Network Assembly Removal and Replacement.
 - (1) Remove housing (d and e above).
- (2) Disconnect all leads on the old network assembly.
- (3) Remove two network mounting screws and loosen the third mounting screw. (Refer to figures 5-6 and 5-7 for desk type, and figure 5-8 for rack type.)
 - (4) Remove old network.
- (5) Install new network by reversing the above procedure. Connect network leads as shown in figures FO-1 through FO-4.

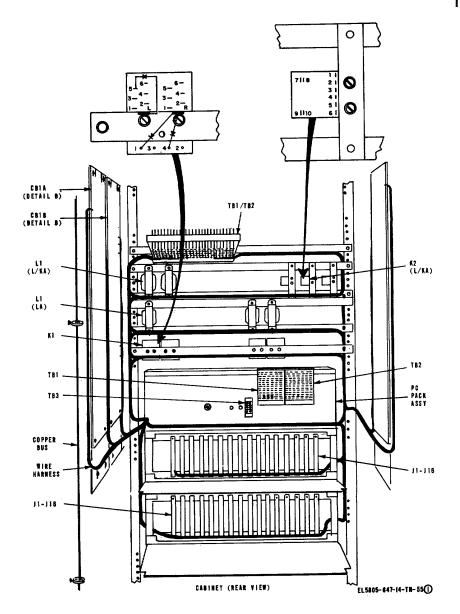


Figure 5-9. Typical equipment cabinet, subassembly parts location.

CHAPTER 6

OFF-SITE MAINTENANCE

6-1. Scope of Off-Site Maintenance

This chapter contains performance tests and troubleshooting information for the printedcircuit cards used in the orderwire equipments. Similar information also is included for the speaker amplifier unit. Performance test standards are provided for some nonrepairable items to determine whether or not these items are serviceable; items in this category include tone dial assembly, TLC 410 amplifier, rotary dial, key assembly and telephone network. Where applicable, alignment and adjustment procedures also are given.

6-2. Tools and Test Equipment Required

Refer to appendix C, Maintenance Allocation Chart, for a listing of all tools, test equipment, and materials required for off-site maintenance.

6-3. Test and Module Adapters Required

- a. General. The following test and module adapters are required for offsite maintenance.
- b. Module Adapter QR-9848-7. Module Adapter QR-9848-7 is required when testing the TLC 410 Amplifier in accordance with the procedures given in paragraph 6-18. This module adapter is an 11-pin receptacle (Amphenol 78SII) with 3-foot leads attached to each terminal. The other end of each lead has an 0.080-inch diameter phone tip attached.
- c. Test/Adapter QR-9848-9. Test Adapter QR9848-9 is required when testing and troubleshooting Power Supply 41029-01 in accordance with the procedures given in paragraph 6-14. A pictorial diagram of this test adapter is shown in figure 6-1 and a schematic diagram is shown in figure 6-2.

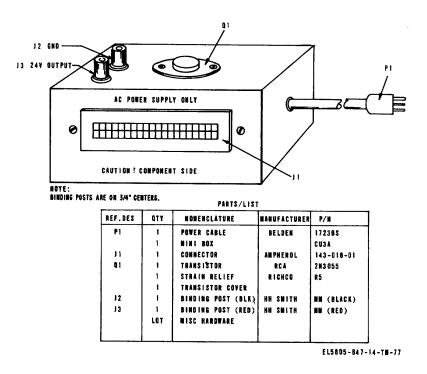


Figure 6-1. Test Adapter QR-9848-9, pictorial diagram.

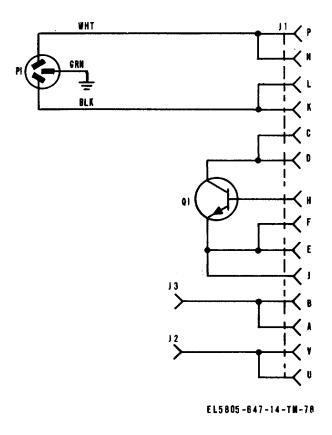
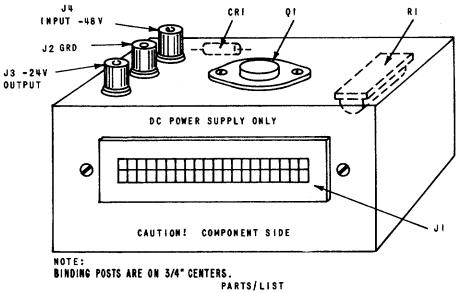


Figure 6-2. Test Adapter QR-9848-9, schematic diagram.

d. Module Adapter 9848-10. Module Adapter 9848-10 is required when testing and troubleshooting printed-circuit plug-in cards in accordance with the procedures given in paragraphs 6-5 through 6-12. This module adapter is an 18-pin receptacle (Amphenol 143018-01) with 3-foot leads attached to each terminal. The other end of each lead has an 0.080inch phone tip attached.

e. Test Adapter QR-9848-17. Test Adapter QR-9848-17 is required when testing and troubleshooting Power Supply 41028-01 in accordance with the procedures given in paragraph 6-13. A pictorial diagram of this test adapter is shown in figure 6-3 and a schematic diagram is shown in figure 6-4.



REF DES QTY NOMENCLATURE MANUFACTURER P/N CU-341 BUD MINIBOX CONNECTOR AMPHENOL 143-018-01 Jl 1 RCA 2N3055 QΙ TRANSISTOR RESISTOR DALE RI 1 1N4002 CRI DIODE 1 TRANSISTOR COVER BINDING POST (BK) HH SMITH MP1 (BLACK) J 2 J3 BINDING POST (RD) HH SMITH MM (RED) 1 MM(YELLOW) J4 BINDING POST (YLW) HH SMITH

EL5805-647-14-TM-79

Figure 6-3. Test Adapter QR-9848-17, pictorial diagram.

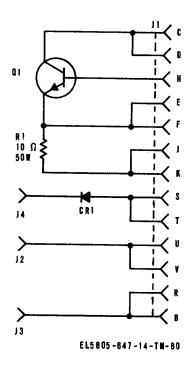


Figure 6-4. Test Adapter QR-9848-17, schematic diagram.

f. Test Adapter QR-9886. Test Adapter QR9885 is required when testing and troubleshooting Line Card LC-401-4 and Interrupter Card INT9740 in accordance with procedures given in

paragraphs 6-15 and 6-16, respectively. A pictorial diagram of this test adapter is shown in figure 6-5 and a schematic diagram is shown in figure 6-6.

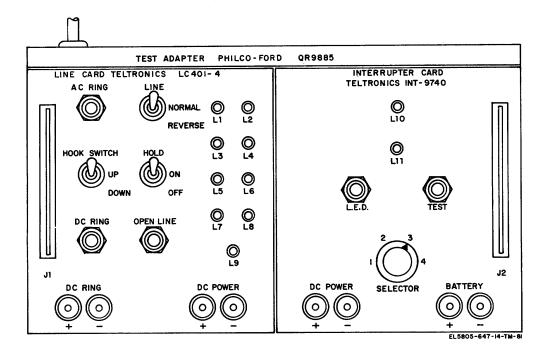


Figure 6-5. Test Adapter QR-986, pictorial diagram.

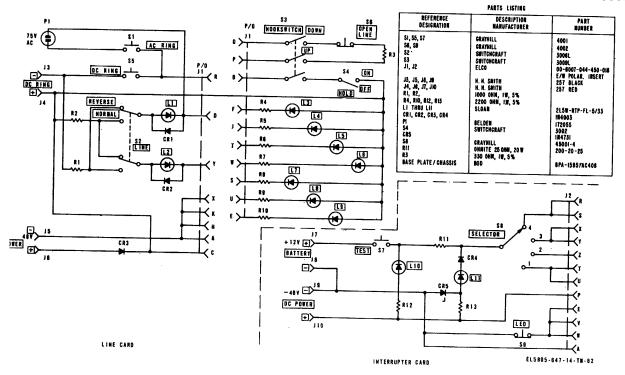


Figure 6-6. Test Adapter QR-9885, schematic diagram.

64. S. F. Oscillator 490094)1

a. General. This paragraph includes preliminary procedure and chart for performance testing and troubleshooting the S. F. oscillator.

Alignment procedure for selection of R12 also is included. The schematic diagram for the S. F. oscillator is shown in figure FO-2 and the parts location diagram is shown in figure 6-7.

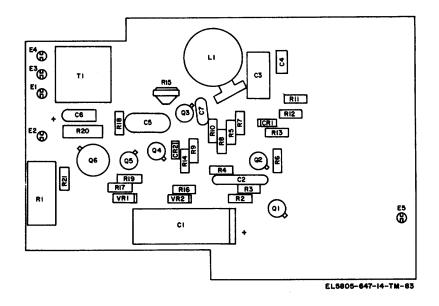
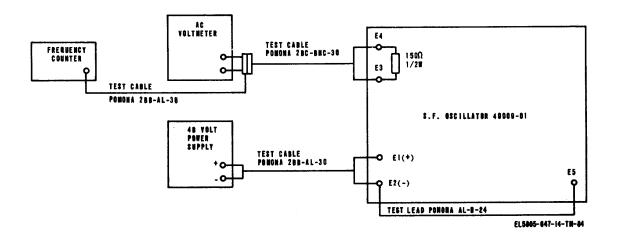


Figure 6-7. S. F. Oscillator 490009-01, parts location diagram.

- b. Preliminary Procedure. Before following the instructions in the performance test and troubleshooting chart (c below), perform the following procedure:
- (1) Connect the equipment as shown in figure 6-8. Tack solder the resistor to the terminals.
- (2) Turn on all test equipment and allow for a warmup period as recommended in the technical manual for each test equipment.
- (3) Adjust the output of the power supply for 48 vdc.



c. Performance Test and Troubleshooting Chars.

Step	Test procedure	Performance standard	Corrective action
1	Perform preliminary procedures (b above).		
2	Adjust R15 to its maximum clockwis position and then observe ac	e 0.92 vac minimum voltmeter.	If voltage is normal proceed to next step: otherwise. proceed to step (7).
3	Observe frequency counter	3250 :- 5 Hz	If frequency is normal, proceed to next step: otherwise. adjust L1. If normal indication can not be obtained, proceed to step (7).
4 proce	• • • • • • • • • • • • • • • • • • • •	Difference in voltage observed durin	g If difference voltage is normal.
ргосе	the ends of R15, and then alter- nately connect and disconnect jumper cable between terminals and ES.		to next step: otherwise. replace R12 in accordance with the procedure given in d below.
5	Remove jumper cable connected between terminals E2 and E5. Q3 and associated parts.	AC voltmeter indicates zero volt. step; otherwise, check and replace	If indication is normal, proceed to next
6	Replace jumper cable between ter- minals E2 and E5. Connect an additional terminals serving ac voltmeter.	Ac voltmeter decreases 3.5 t 0.2 db. 150-ohm resistor across E3 and E4 while ob-	If indication is normal, remove additional 150-ohm resistor and adjust R15 for 0.11 vrms on the ac voltmeter; test is complete. If indication is not normal. check and replace Q5, Q6 and associated parts.
7	Connect dc voltmeter across C1; observe polarity on capacitor.	24 :t 4.8 vdc	If indication is normal, proceed to next step; otherwise, check and replace R1, C1 VR1, and VR2.
8	Connect oscilloscope probe to center tap of LI. Connect ground lead of oscilloscope to terminal EI.	Sine wave, 3,250 t 5 Hz at 1.7 V pp minimum	If indication is abnormal check and replace Q1, Q2 and associated parts.

- d. S. F. Oscillator Adjustment.
- (1) Connect test equipment to S. F. oscillator printed-circuit card as shown in figure 6-8.
- (2) Set potentiometer R15 to maximum clockwise position.
- (3) Observe that ac voltmeter indicates 0.92 volt or greater. If it does not, troubleshooting is necessary; refer to b above.
- (4) Adjust L1 for an indication of 3,250 + 5 Hz on frequency counter.
 - (5) Connect a vtvm (15-volt dc scale) across R15.
 - (6) Observe indication on vtvm and record.
- (7) Disconnect jumper that is connected between terminals E2 and E5 and then observe indication on vtvm and record.
- (8) If difference in indications obtained in steps (6) and (7) above is less than 0.1 vdc, proceed to step (14); otherwise, replace R12 as directed in steps (9) through (13).
- (9) Turn off power supply and remove R12. Connect leads from resistance decade across R11 and then turn on power supply.
 - (10) Select a resistance value on resistance decade.
- (11) Connect a jumper between terminals E2 and E5. Each time step (10) is repeated in the sequence, select a different resistance value.
- (12) Repeat steps (6) through (8), (10) and (11) above until the voltage difference is less than 0.1 vdc. Each time step (10) is repeated in the sequence, select a different resistance value.

When voltage difference is less than 0.1 vdc as required in step (8), proceed to step (13).

- (13) Disconnect the resistance decade. Install a resistor whose value is closest to the final value selected on resistance decade in R12 position. After R12 is installed, repeat steps (6) through (8) above to verify proper selection of R12.
- (14) Connect jumper between terminals E2 and E5 and then adjust R15 for 0.11 volt on ac voltmeter.
 - (15) Turn off and then disconnect test equipment.

6-5. Speaker Amplifier Assembly 41030-01

- a. General. This paragraph includes preliminary procedure and chart for performance testing and troubleshooting the speaker amplifier. Adjustment procedure for selection of R32 also is included.
- b. Preliminary Procedure. Before following the instructions in the performance test and troubleshooting chart (c below), perform the following procedure: (1) Connect the test equipment as shown in figure 6-9.
- (2) Turn on all test equipment and allow for a warmup period as recommended in the technical manual for each test equipment.
 - (3) Adjust the output of the power supply for 24 vdc.

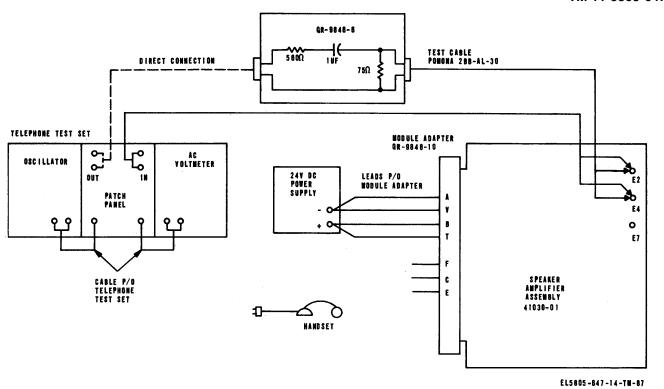


Figure 6-9. Speaker Amplifier Assembly 4103O01, test setup diagram.

c. Performance Test and Troubleshooting Chart.

Step	Test Procedure	Performance standard	Corrective action
1	Perform preliminary procedures given in b above.		
2	Set output impedance of oscillator for 600 ohms.		
3	Set input impedance of ac voltmeter for bridging.		
4	Set frequency of oscillator for 1000 Hz.		
5	Adjust output level of oscillator for 0.077 vrms.		
6	Set input impedance of ac voltmeter for 600 ohms and change alligator clips of ac voltmeter cable from terminals E2 and E4 to leads C and E of module adapter QR-9848-10. If necessary, adjust R2 to obtain performance standard.	Ac voltmeter indicates -20 ' 3 dbm.	If performance standard is normal, proceed to next step; otherwise, disconnect adapter QR-9848-6 and then proceed to step 11.
7	Change alligator clips of ac voltmeter cable from leads C and E to terminals E7 and E4. Set input impedance of	Ac voltmeter indicates -35 ' 3 dbm.	If performance standard is normal, proceed to next step; otherwise, check and replace Q4 and
8	ac voltmeter for bridging. Disconnect adapter QR-9848-6 and connect oscillator to terminals F and B (ground lead). Set oscillator for 1000 Hz and output level of 0 dbm. Change alligator clips of ac voltmeter cable from terminals E7 and E4 to leads C and E of module adapter QR-9848-10. Set input impedance of ac voltmeter for 600 ohms.	Ac voltmeter indicates at least -3 dbm.	associated parts. If performance standard is normal, proceed to next step; otherwise, check and replace R5, R6, and C2.
9	Increase output level of oscillator to obtain 0 dbm on ac voltmeter. Vary oscillator frequency from 300 to 3000 Hz while observing ac voltmeter.	Ac voltmeter remains within +1 and1 dbm.	If performance standard is normal, proceed to next step; otherwise, check and replace C2, C4, and C5.
10	Set oscillator frequency to 1,000 Hz and output level to 0 dbm. Connect 600-ohm resistor across terminals C and E of module adapter QR-9848-10 while observing ac voltmeter.	Ac voltmeter indication decreases 3.5 - 0.2 db from level obtained in step 8.	if performance standard is normal, disconnect 600-ohm resistor and oscillator and then proceed to next step; otherwise, check and replace Q1, Q2, and associated parts.
11	Connect handset to J1 and change alligator clips of ac voltmeter cable from leads C and E to across R8, but connect 1 Af capacitor in series with voltmeter lead. Set input impedance of ac voltmeter to bridging. Insure hookswitch is in off-hook position. Blow into transmitter of handset while observing ac voltmeter.	Ac voltmeter indicates at least 0.03 vrms.	If performance standard is normal, proceed to next step; otherwise, check and replace R1, R2, R3, R42, C1, R8, and C9.
12	Change alligator clips of ac voltmeter cable and capacitor from across R8 to across R9. Blow into transmitter of handset while observing ac voltmeter.	Ac voltmeter indicates at least 0.4 vrms.	If performance standard is normal, proceed to next step; otherwise, check and replace Q1, Q2, and associated parts.
13	Change alligator clips of ac voltmeter cable from across R9 to leads C and E of module adapter QR-9848-10. Set input impedance of ac voltmeter for 600 ohms. Blow into transmitter of handset while observing ac voltmeter.	Ac voltmeter indicates between10 and 0 dbm.	If performance standard is normal, transmitter section of amplifier is functioning properly, proceed to step 14 to test receiver section. If performance standard is abnormal. check and replace R12, C4. C5, and T1.
14	Change alligator clips of ac voltmeter cable from leads C and D to terminals E8 and E9.		• • •

Step	Test Procedure	Performance standard	Corrective action
15	Change alligator clips of oscillator cable from leads F and B to leads M and P of module adapter QR-9848-10.		
16	Set frequency of oscillator for 1,000 Hz and output level of oscillator for 0 dbm.		
17	Set input impedance of ac voltmeter for bridging.	Ac voltmeter indicates at least 0.616 vrms.	If performance standard is normal, proceed to next step; otherwise, check and replace T2 and R21.
18	Change alligator clips of ac voltmeter cable from terminals E8 and E9 to across R15 but connect 1 Sf capacitor inseries with voltmeter cable. Set VOLUME control R43 to maximum clockwise position.	Ac voltmeter indicates at least 0.62 vrms.	If performance standard is normal, proceed to next step; otherwise, check and replace R43, Q3, and associated parts.
19	Plug in handset. Insure hookswitch is in off-hook position. Rotate VOLUME control.	1,000-Hz tone is heard in earpiece. Level of tone varies as VOLUME control is rotated.	If performance standard is normal, proceed to next step: otherwise, check and replace C6, hookswitch, J1, and R4.
20	Change alligator clips of ac voltmeter cable from across R15 to terminals E13 and E14. Remove handset. Insure hookswitch is in on-hook position. Rotate VOLUME control but leave VOLUME control in maximum clockwise position when observing voltmeter indication.	1,000-Hz tone is heard in speaker. Level of tone varies as VOLUME control is rotated. Ac voltmeter indicates between 2.8 and 3.2 vrms.	If performance standard is normal, proceed to next step; otherwise, check and replace Q5 through Q9 and associated parts. If no defective parts can be located, substitute new value resistor for R32 as described in d below.
21	Place hookswitch in off-hook position and repeat step 20.	Same as step 20	If performance standard is normal, disconnect test equipment and proceed to next step; otherwise, check and replace hookswitch and J1.
22	Connect a jumper wire between terminals S and U.	ALERT lamp lights and modulated tone is heard from speaker.	If performance standard is normal, receiver section of amplifier is functioning properly. If tone is normal but ALERT lamp does not light, replace lamp. If tone is not normal, check and replace Q10, Q11 and associated parts.
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- d. Selection of Resistor R32.
- (1) Remove R32 and substitute a resistance decade in its place.
- (2) Connect the power supply to the speaker amplifier as shown in figure 6-9.
- (3) Connect oscillator to leads M and P of module adapter QR-9848-10.
- (4) Set output impedance of Oscillator for 600 ohms.
- (5) Adjust oscillator for an output of 1000 Hz at 0 dbm.
- (6) Set VOLUME control R43 to maximum clockwise position.
 - (7) Connect ac voltmeter to terminals E13 and E14.
 - (8) Set input impedance of ac voltmeter for bridging.

- (9) Adjust resistance decade to obtain an indication of 2.8 vrms or greater on ac voltmeter.
- (10) Turn off power supply and disconnect resistance decade.
- (11) Install a resistor whose value is closest to final value selected on resistance decade in R32 position. After R32 is installed, turn on power supply and verify that voltmeter indicates 2.8 vrms or greater.
- (12) Turn off power supply and disconnect equipment.

6-6. S.F. Detector 41063-01 and S.F. Detector and Oscillator 41063-02

a. General. Because the circuitry of the S.F. Detector 41063-01 is identical to the detector portion of S.F. Detector and Oscillator 41063-02.

most of the following maintenance information is applicable to both printed-circuit cards; only the oscillator procedure (h below) is applicable exclusively to the 41063-62 card. To insure the S.F. detector circuit is functioning properly, the performance tests and alignment procedures given in b through g below should be performed in the sequence presented. specified standards are not obtained for any step and a corrective action is not given within the procedure, use standard troubleshooting techniques to isolate the defective part within the affected area. As an aid in troubleshooting, voltage, both ac and dc, and resistance values are given on the schematic diagram, figure FO-10. Similarly, to insure the oscillator circuit on the 41063-02 card is functioning properly, perform the S.F. oscillator performance test and alignment procedure given in h below. If specified standards are not obtained, use standard troubleshooting techniques. Voltage and resistance values of this circuit are also included on the schematic diagram in figure FO-10. Alignment of the S.F. detector should not be required unless associated frequency determining elements have been replaced, and the module cannot meet the performance tests given in c and e below.

- b. S.F. Detector Alignment.
- (1) Connect test equipment as shown in figure 6-10. Adjust power supply to provide 24 volts.

- (2) Set oscillator of telephone test set for frequency of 1,752 Hz, an output impedance of 600 ohms, and an output level of 10 dbm.
- (3) Set ac voltmeter of telephone test set for bridging input impedance.
- (4) Adjust R4 to its maximum counterclockwise position.
- (5) Tune L1 for a minimum indication on ac voltmeter.
- (6) Change ac voltmeter from junction of C5 and C9 to junction of C9 and C11. Leave other alligator clip connected to lead V of module adapter.
- (7) Adjust frequency of oscillator for an indication of 2,466 Hz on frequency counter.
- (8) Tune L2 for a minimum indication on ac voltmeter.
- (9) Change ac voltmeter from junction of C9 and C11 to collector of Q9. Leave other alligator clip connected to lead V of module adapter.
- (10) Adjust frequency of oscillator for an indication of 3,250 Hz on frequency counter.
 - (11) Change output level of oscillator to --20 dbm.
 - (12) Tune L3 for minimum indication on ac voltmeter.
- (13) Tune L4 for maximum indication on multimeter. Decrease output level of oscillator as necessary to make peak easier to distinguish.
 - (14) Turn off and disconnect test equipment.

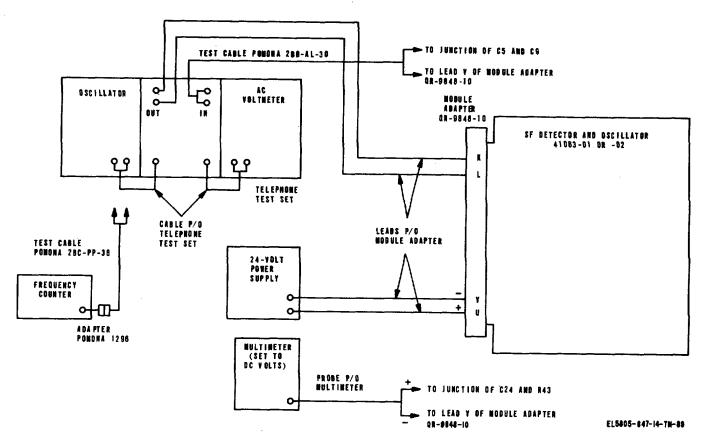


Figure 6-10. S. F. detector initial test setup diagram.

- c. S.F. Detector Bandwidth Performance Test.
- (1) Connect test equipment as shown in figure 6-11. Adjust power supply to provide 24 volts.
- (2) Set oscillator of telephone test set for frequency of 3,140 Hz, an output impedance of 600 ohms, and an output level of 0 dbm. Multimeter, set to ohms, should indicate infinity (relay K1 is not energized) if not, decrease frequency of oscillator until multimeter indicates infinity.
- (3) Very slowly increase frequency of oscillator until multimeter indicates zero ohm (relay K1 is energized). Frequency of oscillator must be between 3,169 and 3,201 Hz.
- (4) Adjust frequency of oscillator for 3,360 Hz. Multimeter should indicate infinity; if not, increase frequency of oscillator until multimeter indicates infinity.
 - (5) Very slowly decrease frequency of

- oscillator until multimeter indicates zero ohm. Frequency of oscillator must be between 3,298 and 3,331 Hz.
- (6) Set oscillator for frequency of 3,140 Hz and an output level of -26 dbm. Multimeter should indicate infinity; if not, decrease frequency of oscillator until multimeter indicates infinity.
- (7) Very slowly increase frequency of oscillator until multimeter indicates zero ohm. Frequency of oscillator must be between 3,168 and 3,201 Hz.
- (8) Adjust frequency of oscillator for an indication of 3,360 Hz. Multimeter should indicate infinity; if not, increase frequency until multimeter indicates infinity.
- (9) Very slowly decrease frequency of oscillator until multimeter indicates zero ohm.
- Frequency of oscillator must be between 3,298 and 3,331 Hz.
 - (10) Turn off and disconnect test equipment.

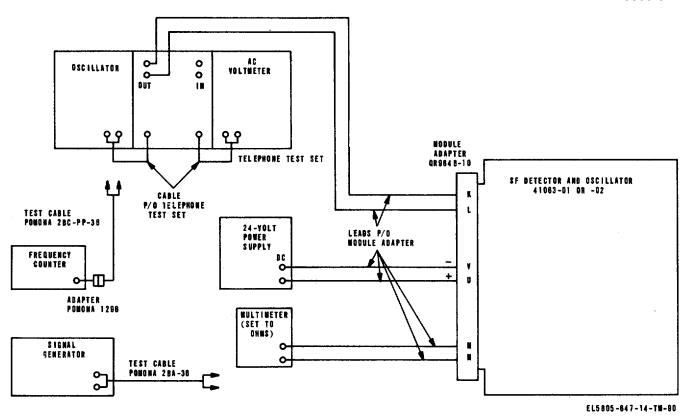


Figure 6-11. S. F. detector performance test, setup diagram.

- a. Selection of Resistor R40.
- (1) Connect test equipment as shown in figure 6-11. Adjust power supply to provide 24 volts.
- (2) Set oscillator of telephone test set for frequency of 3,200 Hz, an output impedance of 600 ohms, and an output level of --10 dbm.
- (3) Decrease frequency of oscillator until multimeter indicates infinity (relay K1 is deenergized).
- (4) Very slowly, in 5-Hz steps, increase frequency of oscillator until multimeter indicates zero ohm (relay K1 is energized). Frequency of oscillator must be 3,185 Hz; if not, select a new value for R40 as follows.
 - (5) Remove resistor R40.
- (6) Connect resistance decade, adjusted to 300K ohms, across terminals E3 and E4.
 - ('7) Adjust frequency of oscillator for 3,185 Hz.
- (8) Adjust resistance decade until multimeter indicates zero ohm.
- (9) Remove resistance decade and install a resistor whose value is as close as possible to setting of resistance decade.

- (10) Repeat steps (2) through (4) above to verify proper selection of resistor.
 - (11) Turn off and disconnect test equipment.
- e. S.F. Detector Voice Inhibit Performance Test. This test, in steps (1) through (4), insures that if voice signals are present on the line before a signaling tone is received, relay K1 will not energize even though the correct signaling tone is received and, in steps (5) through (8), insures that voice signals will not deenergize the relay while a signaling tone is being received.
- (1) Connect test equipment as shown in figure 6-11. Adjust power supply to provide 24 volts.
- (2) Set oscillator of telephone test set for frequency of 1,000 Hz, an output impedance of 600 ohms, and an output level of -20 dbm.
- Observe that multimeter indicates infinity (relay K1 is deenergized)
- (3) Set signal generator for frequency of 3,250 Hz and an output level of 0 dbm. Use ac voltmeter, part of telephone test set, to set output level.
 - (4) Connect signal generator to leads K and

- L of module adapter QR-9848-10. Observe that multimeter continues to indicate infinity.
- (5) Disconnect signal generator output cable from lead K. Observe that multimeter continues to indicate infinity.
- (6) Disconnect oscillator output cable from lead K and reconnect signal generator output cable to lead K. Observe that multimeter indicates zero ohm (relay K1 is energized).
- (7) Reconnect oscillator output cable to lead K and vary the frequency of the oscillator from 300 to 2,500 Hz. Observe that multimeter indicates zero ohm over the entire frequency range.
 - (8) Turn off and disconnect test equipment.
 - f. S.F. Detector Relay Time Out Adjustment.

The relay time out period can be adjusted to any value between 0. and 7 seconds depending on system requirements. In this system, a time out of 3 + 0.5 seconds is desired. If, in the following procedure, the proper time out cannot be achieved within the range of potentiometer R48, a jumper can be added or deleted between terminals E5 and E6 to alter the frequency range of potentiometer R48. The adjustment is as follows.

- (1) Connect a 24-volt dc power supply to module adapter QR-9848-10 as shown in figure 611.
- (2) Connect an oscilloscope to junction of R49, CR4 and cathode of Q14; connect ground lead of oscilloscope to lead U of module adapter.
- (3) Adjust potentiometer R48 until pulses on oscilloscope are 3 + 0.5 seconds apart.

- (4) Turn off and disconnect test equipment.
- g. S.F. Detector Minimum Signal Adjustment.
- (1) Connect test equipment as shown in figure 6-11, but do not connect the multimeter.
 Adjust power supply to provide 24 volts.
- (2) Connect an oscilloscope to collector of Q8; connect ground lead to oscilloscope to lead U of module adapter QR-9848-10.
- (3) Set oscillator of telephone test set for frequency of 3,250 Hz, an output impedance of 600 ohms, and an output level of -20 dbm.
- (4) From its maximum counterclockwise position, rotate potentiometer R4 until a stable square wave is displayed on the oscilloscope. The square wave will have a frequency of 3,250 Hz.
 - (5) Turn off and disconnect test equipment.
- h. S.F. Oscillator Performance Test and Alignment Procedure.
- (1) Connect test equipment as shown in figure 6-12. Adjust power supply to provide 24 volts.
- (2) Rotate potentiometer R71 to its maximum clockwise position.
- (3) Depress switch S1. Ac vtvm should indicate a minimum of 0 dbm and the frequency counter should indicate 3.250 + 5 Hz.
 - (4) If frequency is not within tolerance, tune L4.
 - (5) Turn off and disconnect test equipment.

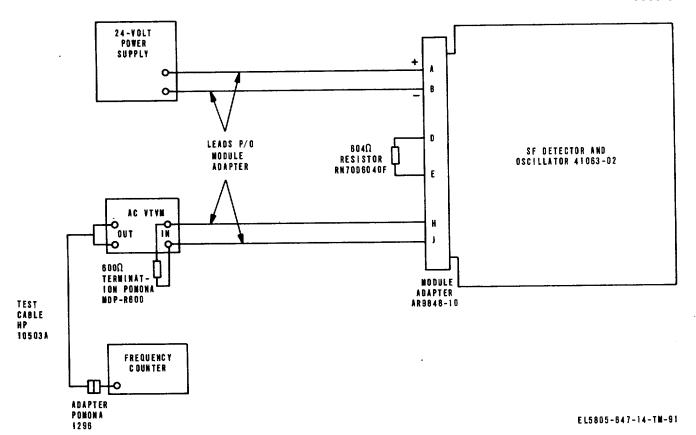


Figure 6-12. S. F. oscillator alignment, initial test setup diagram.

6-7. Tone Receiver 40452-01

- a. General. This paragraph includes preliminary procedure and chart for performance testing and troubleshooting the tone receiver. Alignment procedure for the tone receiver is included within the chart. The schematic diagram for the tone receiver is shown in figure FO-12.
- b. Preliminary Procedure. Before following the instructions in the performance test and
- troubleshooting chart (c below) perform the following procedure:
- (1) Connect the test equipment as shown in figure 6-13.
- (2) Turn on all test equipment and allow for a warmup period as recommended in the technical manual for each test equipment.
- (3) Adjust the output of the power supply for 24 vdc.

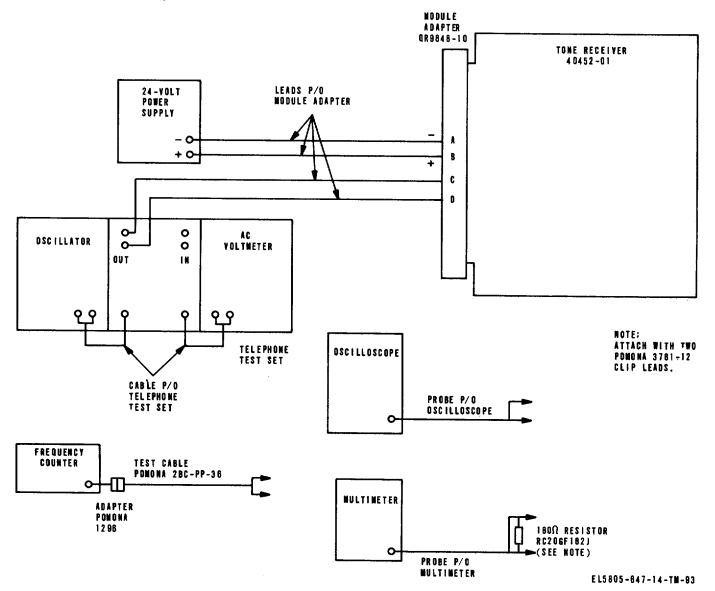


Figure 6-13. Tone Receiver 40452-01, initial test setup diagram.

c. Performance Test and Troubleshooting Chart.

Step	Test Procedure	Performance standard	Corrective action
1 2	Perform preliminary procedures given in b above. Set oscillator of telephone test set for frequency of 941 Hz, an output impedance of 600 ohms, and an		
3	output level of -20 dbm. Connect common lead of oscilloscope probe to lead B of module adapter and probe to collector of Q19.	Waveform displayed on oscilloscope is undistorted sinewave.	Check and replace T1, Q19, and associated parts.
4	Increase output level of oscillator to + 10 dbm.	Same as above	Same as above.
5	Change probe of oscilloscope to collector of Q9. Adjust L8 minimum amplitude on oscilloscope.	Waveform displayed on oscilloscope is for undistorted sinewave of minimum amplitude.	If performance standard is normal, proceed to step 7; otherwise, proceed to step 6.
6	Change probe of oscilloscope to emitter of Q18. Adjust L8 for minimum amplitude on oscilloscope.	Same as step	If performance standard is normal, check and replace Q9 and associated parts; otherwise, check and replace Q18 and associated parts.
7	Set oscillator frequency to 1,209 Hz. Change probe of oscilloscope to positive side of C14.	Waveform displayed on oscilloscope is a square wave.	Check and replace Q10 through Q16 and associated parts.
8	Change probe of oscilloscope to collector of Q1. Adjust L9 for minimum amplitude on oscilloscope.	Waveform displayed on oscilloscope is undistorted sinewave of minimum amplitude.	If performance standard is normal, proceed to step 10; otherwise, proceed to step 9.
9	Change probe of oscilloscope to emitter of Q17. Adjust L9 for minimum amplitude on oscilloscope.	Same as step	If performance standard is normal, check and replace Q1 and associated parts; otherwise, check and replace Q17 and associated parts
10	Set oscillator frequency to 941 Hz. Change probe of oscilloscope to positive side of C7.	Waveform displayed on oscilloscope is a square wave.	Check and replace Q2 through Q8 and associated parts.
11a	Change oscillator of telephone test set for frequncy of 697 Hz and an output level of -20 dbm.		
11b	Connect positive lead of multimeter (set for dc volts) to lead B of module adapter. Connect negative lead of multimeter to lead V of module adapter.	Multimeter indicates -22 ± 2 vdc	Adjust L1 until multimeter indicates maximum negative voltage. If performance standard can not be obtained, check and replace Q20, Q21, and associated parts.
11c	Decrease frequency of oscillator until multimeter indicates -10 vdc.	Frequency is between 680 and 687 Hz.	Readjust LI to obtain performance standards of steps lib, c, and d. If performance standards can not be obtained, check and replace Q20, Q21, and associated parts.
11d	Increase frequency of oscillator to 697 Hz and then continue increasing frequency until multimeter indicates10 vdc.	Frequency is between 707 and 714 Hz.	Same as above.
12a	Change oscillator of telephone test set for frequency of 770 Hz.		
12b	Change negative lead of multimeter to lead U of module adapter.	Multimeter indicates -22 + 2 vdc.	Adjust L2 until multimeter indicates maximum negative voltage. If performance standard can not be obtained, check and replace Q22, Q23. and associated parts.
12c	Decrease frequency of oscillator until multimeter indicates10 vdc.	Frequency is between 751 and 757 Hz.	Readjust L2 to obtain performance standards of steps 12b, c, and d. If performance standards can not be obtained, check and replace Q22, Q23. and associated parts.

Step	Test Procedure	Performance standard	Corrective action
12d	Increase frequency of oscillator to 770 Hz and then continue increasing frequency until multimeter indicates10 vdc.	Frequency is between 782 and 789 Hz.	Same as above.
13a	Change oscillator of telephone test set to frequency of 852 Hz.		
13b	Change negative lead of multimeter to lead T of module adapter.	Multimeter indicates -22 +- 2 vdc.	Adjust L3 until multimeter indicates maximum negative voltage. If performance standard can not be obtained, check and replace Q24, Q25, and associated parts.
13c	Decrease frequency to oscillator until multimeter indicates10 vdc.	Frequency is between 831 and 839 Hz.	Readjust L3 to obtain performance standards of steps 136, c, and d. If performance standards can not be obtained, check and replace Q24, Q25, and associated parts.
13d 14a	Increase frequency of oscillator to 852 Hz and then continue increasing frequency until multimeter indicates -10 vdc. Change oscillator of telephone test set	Frequency is between 865 and 873 Hz.	Same as above.
	to frequency of 941 Hz.		
14b	Change negative lead of multimeter to lead S of module adapter.	Multimeter indicates -22 ' 2 vdc	Adjust L4 until multimeter indicates maximum negative voltage. If performance standard can not be obtained, check and replace Q26, Q27, and associated parts.
14c	Decrease frequency of oscillator until multimeter indicates10 vdc.	Frequency is between 918 and 927 Hz.	Readjust L4 to obtain performance standards of steps 14b, c, and d. If performance standards can not be obtained, check and replace Q26, Q27, and associated parts.
14d	Increase frequency of oscillator to 941 Hz and then continue increasing frequency until multimeter in- dicates -10 vdc.	Frequency is between 955 and 965 Hz.	Same as above.
15a	Change oscillator of telephone test set to frequency of 1,209 Hz.		
15b	Change negative lead of multimeter to lead R of module adapter.	Multimeter indicates -22 - 2 vdc.	Adjust L5 until multimeter indicates maximum negative voltage. If performance standard can not be obtained, check and replace Q28, Q29, and associated parts.
15c	Decrease frequency of oscillator until multimeter indicates - 10 vdc.	Frequency is between 1179 and 1191 Hz.	Readjust L5 to obtain performance standards of steps 15b, c, and d. If performance standards can not be obtained, check and replace Q29 and associated parts.
15d	Increase frequency of oscillator to 1,209 Hz and then continue in- creasing frequency until multimeter indicates - 10 vdc.	Frequency is between 1,227 and 1,239 Hz.	Same as above.
16a	Change oscillator of telephone test set to frequency of 1,336 Hz.		
16b	Change negative lead of multimeter to lead P of module adapter.	Multimeter indicates -22 + 2 vdc.	Adjust L6 until multimeter indicates maximum negative voltage. If performance standard can not be obtained, check and replace Q30, Q31, and associated parts.
16c	Decrease frequency of oscillator until multimeter indicates10 vdc.	Frequency is between 1303 and 1316 Hz.	Readjust L6 to obtain performance standards of step 16b, c, and d. If performance standards can not be obtained, check and replace Q30, Q31, and associated parts.

Step	Test Procedure	Performance standard	Corrective action
16d	Increase frequency of oscillator to 1336 Hz and then continue increasing frequency until multimeter indicates10 vdc.	Frequency is between 1,356 and 1,369 Hz.	Same as above.
17a	Change oscillator of telephone test set to frequency of 1.447 Hz.		
17b	Change negative lead of multimeter to lead N of module adapter.	Multimeter indicates22 2 vdc.	Adjust L7 until multimeter indicates maximum negative voltage. If performance standard can not be obtained, check and replace Q32, Q33. and associated parts.
17c	Decrease frequency df oscillator until multimeter indicates -10 vdc.	Frequency is between 1,440 and 1,455 Hz.	Readjust L7 to obtain performance standards of steps 17b, c, and d. If performance standards can not be obtained, check and replace Q32. Q33, and associated parts.
17d	Increase frequency of oscillator to 1447 Hz and then continue increasing frequency until multimeter indicates -10 vdc.	Frequency is between 1,499 and 1,514 Hz.	Same as above.
18	Turn off and disconnect test equipment.		

6-8. Digit Decoder 40451-04

- a. General. This paragraph includes preliminary procedure and chart for performance testing and troubleshooting the digit decoder. Ring time adjustment procedure is also included. The schematic diagram for the digit decoder is shown in figure FO-13.
- b. Preliminary Procedure. Before following the instructions in the performance test and troubleshooting chart (c below), perform the following precedure:
- (1) Connect the test equipment, jumpers and resistors as shown in figure 6-14. Tack solder resistors and jumpers to terminals.
- (2) Turn on all test equipment and allow for a warmup period as recommended in the technical manual for each test equipment.
- (3) Set multimeter connected to leads C and D of module adapter to low ohms scale; set the other multimeter to measure dc voltage.
- (4) Adjust the output of the 24-volt power supply for 24 vdc.
- (5) Adjust the output of the 48-volt power supply for 48 vdc.
- (6) Set RING TIME ADJ potentiometer R8 to its maximum clockwise position.

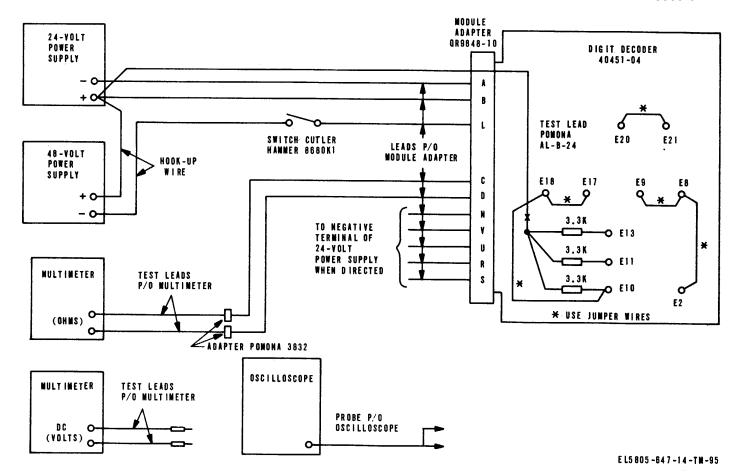


Figure 6-14. Digit Decoder 40451-04, initial test setup diagram.

c. Performance Test and Troubleshooting Chart.

Test Procedure

Step

,			
1	Perform preliminary procedures given in b above. Insure switch in test setup is open.	Multimeter indicates infinity (relay K1 is deenergized).	If performance s proceed to no proceed to st is correct, res
2	Simultaneously and momentarily touch leads S and R of the module adapter to negative terminal of 24-volt power supply.	Multimeter indicates zero ohm when leads touch power supply terminal. Six to ten seconds later, multimeter indicates infinity.	If performance sproceed to st does not indicto next step. indicate infinitioniting it indicates zero.
3	Connect leads S and R of module adapter to negative terminal of 24-volt power supply. Connect multimeter between collector of Q7 and positive terminal of 24-volt power supply.	Multimeter indicates zero vdc.	If performance in and R connections step; otherwise Q7 and associated to the step of the s
4	Connect multimeter between collector Q9 and positive terminal of 24-volt power supply.	Multimeter indicates -20 to -24 vdc.	If performance s leave leads S proceed to no check and re associated pa
5	Connect multimeter between collector of Q10 and positive terminal of 24-volt power supply.	Multimeter indicates zero vdc	If performance s leave leads S proceed to ne check and re parts.
6	Connect oscilloscope between collector of Q12 and positive terminal of 24-volt power supply.	Display on oscilloscope is negative going pulses approximately 30 to 40 msec apart. Amplitude of pulses is between 20 and 24 volts.	If performance s leave leads S proceed to ne check and re and associate
7	Connect oscilloscope between collector of Q13 and positive terminal of 24-volt power supply.	Pulses on oscilloscope are same as in step 6, except they are positive- going.	If performance s leave leads S proceed to no check and re parts.
8	Connect oscilloscope between collector of Q8 and positive terminal of 24-volt power supply.	Pulses on oscilloscope are same as in step 6.	If performance s leave leads S proceed to no check and re associated pa
9	Connect multimeter between collector of Q16 and positive terminal of 24-volt power supply.	Multimeter indicates -10 to -12 vdc.	If performance s leave leads S proceed to n check and re and associate
10	Connect multimeter between collector of Q19 and positive terminal of 24. volt power supply.	Multimeter indicates -10 to -12 vdc.	If performance s leave leads S proceed to no check and re and associate
11	Connect multimeter between collector of Q20 and positive terminal of 24-volt power supply.	Multimeter indicates -20 to 24 vdc.	If performance s check and re check and re parts. After t

Performance standard

Corrective action

- If performance standard is normal, proceed to next step; otherwise, proceed to step 12. After malfunction is correct, restart test procedure.
- f performance standard is normal, proceed to step 15. If multimeter does not indicate zero ohm, proceed to next step. If multimeter does not indicate infinity 6 to 10 seconds after it indicates zero ohm, proceed to step 12.
- If performance is normal, leave leads S and R connected and proceed to next step; otherwise, check and replace Q7 and associated parts.
- If performance standard is normal, leave leads Send R connected and proceed to next step; otherwise, check and replace CR6, Q9, and associated parts.
- If performance standard is normal, leave leads S and R connected and proceed to next step; otherwise, check and replace Q10 and associated parts.
- If performance standard is normal, leave leads S and R connected and proceed to next step; otherwise, check and replace CR10, Q11, Q12, and associated parts.
- If performance standard is normal, leave leads S and R connected and proceed to next step; otherwise, check and replace Q13 and associated parts.
- If performance standard is normal, leave leads S and R connected and proceed to next step; otherwise, check and replace CR7, Q8, and associated parts.
- If performance standard is normal, leave leads S and R connected and proceed to next step; otherwise, check and replace CR15, Q15, Q16, and associated parts.
- If performance standard is normal, leave leads S and R connected and proceed to next step; otherwise, check and replace CR19, Q18, Q19, and associated parts.
- If performance standard is normal, check and replace K1: otherwise, check and replace Q20 and associated parts. After this step, repeat step 2.

Step Test Procedure

- 12 Connect oscilloscope between collector of Q6 and positive terminal of power supply. Simultaneously and momentarily touch leads S and R to negative terminal of 24-volt power supply.
- 13 Connect multimeter between collector of Q16 and positive terminal of 24volt power supply.
- 14 Connect multimeter between collector of Q20 and positive terminal of 24volt power supply.
- 15 Simultaneously and momentarily touch leads S and R of the module adapter to negative terminal of 24-volt power supply. Multimeter indicates zero ohm. Within 2 seconds of the ohmmeter indication, simultaneously and momentarily touch leads S and N of the module adapter to negative terminal of 24-volt power supply.
- 16 Momentarily touch lead V of module adapter to negative terminal of 24-volt power supply and immediately after (2 seconds or less) touch lead U of module adapter to negative terminal of 24-volt power supply.
- 17 Connect multimeter between collector of Q17 and positive terminal of 24-volt power supply. While observing multimeter, touch lead V of module adapter to negative terminal of 24-volt power supply.
- 18 Connect multimeter between collector of Q19 and positive terminal of 24volt power supply. Momentarily touch lead V of module adapter to negative terminal of 24-volt power supply.
- 19 Connect multimeter between collector of Q14 and positive terminal of 24volt power supply. While observing multimeter, touch lead U of module adapter to negative terminal of 24volt power supply.

Performance standard

NOTE

Time period can be estimated by counting 1,001, 1,002, etc.
Within 6 to 10 seconds after S and R leads are removed from power supply, oscilloscope displays negative-going pulse with amplitude of 20 to 24 volts and width between 0.2 and 0.8 msec.
Multimeter indicates -20 to -24 vdc.

Multimeter indicates zero vdc.

- Zero-ohm indication on multimeter returns to infinity indication immediately after leads S and N are connected to power supply.
- Multimeter indicates zero ohm, and then, after 6 to 10 seconds, multimeter indicates infinity.
- Multimeter indicates zero volt when lead is connected and -24 vdc when lead is not connected. parts.
- Multimeter indicates --10 to --12 vdc immediately after lead is removed from power supply.
- Multimeter indicates zero volt when lead is connected and -24 vdc when lead is not connected.

Corrective action

- If performance standard is normal, proceed to next step: otherwise, check and replace Q3. Q4. Q6, and associated parts.
- If performance standard is normal, proceed to next step: otherwise, check and replace CR18, Q15, Q16, and associated parts.
- If performance standard is normal, check and replace K1; otherwise, check and replace CR24, CR25, Q20, and associated parts. After this step, repeat step 2.
- If performance standard' is normal, proceed to next step: otherwise, check and replace Q1, Q2, and associated parts.
- If performance standard is normal, proceed to step 20; otherwise, proceed to next step.
- If performance standard is normal, proceed to next step; otherwise, check and replace Q17 and associated
- If performance standard is normal, proceed with next step; otherwise, check and replace CR22, R60, R61, C6, CR23, and R67.
- If performance standard is normal, check and replace CR13, CR14, R47, C5, R48, CR16, and R54; otherwise, check and replace Q14 and associated parts. After this step, repeat step 16.

Step Test Procedure

- 20 Perform following steps sequentially and with no more than 2 or 3 seconds elapsed time between steps.
 - a. Momentarily touch lead V of module adapter to negative terminal of 24-volt power supply.
 b. Momentarily touch lead U of module adapter to negative terminal of 24-volt power supply.
 c. Close switch connected to lead L of module adapter.
- 21 Adjust ring time potentiometer in accordance with instruction in d below, and then disconnect test equipment and jumpers.

Performance standard

- a. Multimeter indication remains at infinity.
 check and replace CR24.
- b. Multimeter indicates zero ohm
- c. Multimeter indicates infinity immediately after switch is closed. If multimeter indicates infinity 6 to 10 seconds after switch is closed, performance standard is abnormal.

- Corrective action
- a. If performance standard is normal, proceed to next step: otherwise,
- b. If performance standard is normal, proceed to next step: otherwise, return to step 16.
 c. If performance standard is normal, proceed to next step; otherwise, check and replace Q4. Q5, and associated parts.

d. Ring Time Adjustment Procedure.

- (1) If test setup for performance test and troubleshooting procedure (c above) is connected, proceed to step (2); otherwise, make the following connections:
- (a) Connect 24-volt power supply and the multimeter to module adapter as shown in figure 6-14.
- (b) Connect three 3.3K resistors to the printed-circuit card as shown in figure 6-14.

NOTE

In step (2) below, when leads S and R of the module adapter touch the power supply terminal, the multimeter will indicate zero ohm and then, within 10 seconds, the multimeter indication will return to infinity.

(2) Simultaneously and momentarily touch leads S and R of module adapter to negative terminal of 24-volt power supply and estimate the time between the zero-ohm indication and the infinity indication on the multimeter. The time period can be estimated by counting one thousand and one, one thousand and two, and so on up to one thousand and ten for 10 seconds.

(3) Adjust R8 and then repeat step (2) above until the time period between the zero-ohm indication and infinity indication is between 3 and 4 seconds.

6-9. 4-Way/ 4-Wire Bridge 40155-03 and 4045503

- a. General. This paragraph includes preliminary procedure and chart for performance testing and troubleshooting both models of the 4way/4-wire bridge. The schematic diagram for both models of the bridge is shown in figure FO-7.
- b. Preliminary Procedure. Before following the instructions in the performance test and troubleshooting chart (c below), perform the following procedure:
- (1) Connect straps on circuit card as follows to include pads in circuits.
 - (a) Leg 1-Ell to E12 and E14 to E15.
 - (b) Leg 2-E2 to E4 andd E3 to E5.
 - (c) Leg 3-E17 to E18 and E20 to E21.
 - (d) Leg 4-E28 to E30 and E29 to E31.
 - (2) Connect test equipment as shown in figure 6-15.
 - (3) Turn on test equipment.

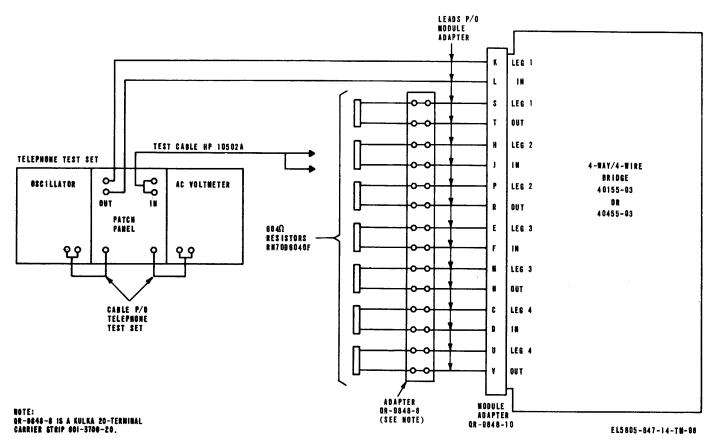


Figure 6-15. 4-Way/4-Wire Bridge 40165-03 and 40455-03, initial test setup diagram.

c. Performance and Test Troubleshooting Chart.

Step	Test Procedure	Performance standard	Corrective action
1 2	Perform preliminary procedures given in b above. Set oscillator of telephone test set for frequency of 1,000 Hz, an output impedance of 600 ohms, and an output level of 0 dbm.		
3	Set ac voltmeter of telephone test set for bridging impedance.		
4	Connect test cable from ac voltmeter to leads P and R of module adapter.	Ac voltmeter indicates -24 0.5 dbm.	If performance standard is normal, proceed to step 6: otherwise, proceed to step 5.
5	Connect test cable from ac voltmeter to terminals E14 and E16.	Ac voltmeter indicates -9 + 0.5 dbm.	If performance standard is normal, check and replace resistors R7 and R8; otherwise, check and replace resistors R21 through R24.
6	Connect test cable from ac voltmeter to leads M and N of module adapter.	Ac voltmeter indicates -24 - 0.5 dbm.	If performance standard is normal, proceed to next step; otherwise, check and replace resistors R26 and R29.
7	Connect test cable from ac voltmeter to leads U and V of module adapter.	Ac voltmeter indicates -24 ' 0.5 dbm.	If performance standard is normal, proceed to next step; otherwise, check and replace resistors R31 and R36.
8	Connect test cable from ac voltmeter to leads S and T of module adapter.	Ac voltmeter indicates a value more negative than -69 dbm.	If performance standard is normal, proceed to next step; it not, there is a malfunction but continue testing. If cause of malfunction is not found by end of test, check for high-resistance shorts on circuit card.
9	Connect leads H and J of module adapter to oscillator and connect leads previously connected to oscillator to 604-ohm resistor. Connect test cable from ac voltmeter to leads S and T of module adapter.	Ac voltmeter indicates -24 0.5 dbm.	If performance standard is normal, proceed to step 11: otherwise, proceed to step 10.
10	Connect test cable from ac voltmeter to terminals E3 and E8.	Ac voltmeter indicates -9 t 0.5 dbm	If performance standard is normal, check and replace resistors R12 and R14: otherwise, check and replace resistors R1 through R4.
11	Connect test cable from ac voltmeter to leads M and N of module adapter.	Ac voltmeter indicates -24 - 0.5 dbm,	If performance standard is normal, proceed to next step; otherwise check and replace resistors R25 and R28.
12	Connect test cable from ac voltmeter to leads U and V of module adapter.	Ac voltmeter indicates -24 0.5 dbm.	If performance standard is normal, check and replace resistors R32 and RP35.
13	Connect test cable from ac voltmeter to leads P and R of module adapter.	Ac voltmeter indicates a value more negative than -69 dbm.	If performance standard is normal, proceed to next step: if not, there is a malfunction but continue testing. If cause of malfunction is not found by end of test, check for high-resistance shorts on circuit card.
14	Connect leads E and F of module adapter to oscillator and connect leads previously connected to oscillator to 604-ohm resistor. Connect test cable from ac voltmeter to leads S and T of module adapter.	Ac voltmeter indicates -24 t 0.5 dbm.	If performance standard is normal, proceed to step 16: otherwise, proceed to step 15.
15	Connect test cable from ac voltmeter to terminals E17 and E19.	Ac voltmeter indicates -9 t 0.5 dbm.	If performance standard is normal. check and replace resistors R11 and R15 otherwise, check and replace resistors R17 through R20.

Step	Test Procedure	Performance standard	Corrective action
16	Connect test cable from ac voltmeter to leads P and R of module adapter.	Ac voltmeter indicates -24 + 0.5 dbm.	If performance standard is normal, proceed to next step: otherwise, check and replace resistors R5 and R10.
17	Connect test cable from ac voltmeter to leads U and V of module adapter.	Ac voltmeter indicates24 t 0.5 dbm.	If performance standard is normal, proceed to next step: otherwise, check and replace resistors R33 and R34.
18	Connect test cable from ac voltmeter to leads M and N of module adapter.	Ac voltmeter indicates less than -69 dbm.	If performance standard is normal, proceed to next step: it not, there is a malfunction but continue testing. If cause of malfunction is not found by end of test. check for high-resistance shorts on circuit card.
19	Connect leads C and D of module adapter to oscillator and connect leads previously connected to oscillator to 604-ohm resistor. Connect test cable from ac volt. meter to leads S and T of module adapter.	Ac voltmeter indicates -24 + 0.5 dbm.	If performance standard is normal, proceed to step 21: otherwise, proceed to step 20.
20	Connect test cable from ac voltmeter to terminals E25 and E30.	Ac voltmeter indicates -9 +- 0.5 dbm.	If performance standard is normal, check and replace resistors R13 and R16: otherwise, check and replace resistors R37 through R40.
21	Connect test cable from ac voltmeter to leads P and R of module adapter.	Ac voltmeter indicates -24 - 0.5 dbm.	If performance standard is normal, proceed to next step; otherwise, check and replace resistors R6 and R9.
22	Connect test cable from ac voltmeter to leads M and N of module adapter.	Ac voltmeter indicates -24 - 0.5 dbm.	If performance standard is normal, proceed to next step; otherwise, check and replace resistors R27 and R30.
23	Connect test cable from ac voltmeter to lead U and V of module adapter.	Ac voltmeter indicates less than -69 dbm.	Check for high-resistance short on circuit card.
24	Disconnect test equipment and remove straps.		C. Sur Gui d.

6-10. 4-Wire/ 2-Wire Hybrid with Low-Pass Filter 490084)1

- a. General. This paragraph includes preliminary procedure and chart for performance testing and troubleshooting the 4-wire/2-wire hybrid. Also included are procedures for adjustment of the low-pass filter, selection of bias resistor R17 and selection of bias resistor R32. The schematic diagram for the 4-wire/2-wire hybrid with low-pass filter is shown in figure FO15.
 - b. Preliminary Procedure. Before following the

instructions in the performance test and troubleshooting chart (c below), perform the following procedure:

- (1) Connect the test equipment as shown in figure 6-16.
- (2) Turn on all test equipment and allow for a warmup period as recommended in the technical manual for each test equipment.
- (3) Adjust the output of the 24-volt power supply for 24 vdc.
- (4) Adjust the output of the 48-volt power supply for vdc.

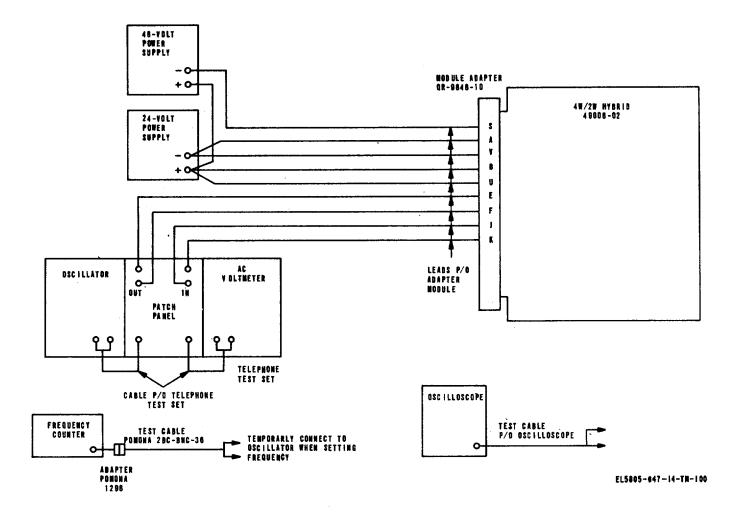


Figure 6-16. 4-Wire/2-Wire Hybrid with Low-Pass Filter 49008-01, initial test setup diagram.

c. Performance Test and Troubleshooting Chart.

		_	
Step	Test Procedure	Performance standard	Corrective action
1	Perform preliminary procedures given in b above.		
2	Set oscillator of telephone test set for frequency of 1,000 Hz and output impedance of 600 ohms.		
3	Set ac voltmeter of telephone test set for input impedance of 600 ohms.		
4	Set 2W OUTPUT ADJ potentiometer R18 to its maximum clockwise position.		
5	Connect oscilloscope between collector of Q2 and lead B of module adapter.		
6	Adjust output level of oscillator until slight clipping of the sinewave appears on oscilloscope. If sinewave cannot be obtained, proceed directly to step 8.	Clipping on positive and negative half cycles of sinewave are symmetrical.	If performance standard is normal, proceed to next step; otherwise, replace R17 in accordance with instructions in e below.
7	Adjust oscillator output level until ac voltmeter indicates 0 dbm.	Output level of oscillator is less than18 dbm.	If performance standard is normal, proceed to step 12; otherwise proceed to next step.
8	Adjust oscillator output level for15 dbm. Adjust 2W OUTPUT ADJ potentiometer R18 to obtain 0-dbm indication on ac voltmeter. Connect oscilloscope between collector of Q4 and lead B of module adapter.	Sinewave on oscilloscope has amplitude of approximately 0.014 V ppp	If performance standard is normal, proceed to next step; otherwise, check and replace T2, Q4 and associated parts and then repeat step 7.
9	Connect oscilloscope between collector of Q3 and lead B of module adapter.	Sinewave on oscilloscope has amplitude of approximately 0.8 V p-p.	If performance standard is normal, proceed to next step; otherwise, check and replace Q3 and associated parts and then repeat step 7.
10	Connect oscilloscope between collector of Q2 and lead B of module adapter.	Sinewave on oscilloscope has amplitude of approximately 4.2 V p-p.	If performance standard is normal, proceed to next step; otherwise, check and replace Q2 and associate parts and then repeat step 7.
11	Connect oscilloscope between collector of Q5 and lead B of module adapter.	Sinewave on oscilloscope has amplitude of approximately 5.3 V p-p.	If performance standard is normal, check and replace R1 through R4 and T1: otherwise, check and replace Q5 and associated parts. Also check adjustment of low pass filter (d below). After corrective action, repeat step 7.
12	Disconnect lead S of module adapter from 48-volt power supply and observe ac voltmeter. After ob- serving ac voltmeter; replace lead S to deenergize K1.	Indication on ac voltmeter decreases approximately 3.5 db when lead S is disconnected.	If performance standard is normal, proceed to next step; otherwise, check and replace R1, K1, Q1 and associated parts.
13a	Check bandwidth of input amplifier as follows:		
13b	Adjust oscillator for 1000 Hz and output level of - 18 dbm.		
13c	Adjust 2W OUTPUT ADJ poten- tiometer R18 for an indication of 0 dbm on ac voltmeter.		
13d	Vary frequency of oscillator from 0.3 to 2.4 kHz.	Ac voltmeter indicates 0 : 1 dbm.	If performance standards for steps 13d. e. f. and g are normal, proceed
13e	Set frequency of oscillator to 2.7 kHz	Ac voltmeter indicates between 0 and -3 dbm.	to next step; otherwise, check and replace frequency determining parts
13f	Set frequency of oscillator to 3250 Hz	Ac voltmeter indicates less than -42 dbm.	such as capacitors C1 through Cll. Also check filter adjustment Id
13g	Set frequency of oscillator to 5.4 kHz	Ac voltmeter indicates less than -50 dbm.	below). If necessary, L2 can be readjusted to obtain performance standard for 2.7 kHz and 3,250 Hz.

Step	Test Procedure	Performance standard	Corrective action
14	Check noise level by turning off oscillator but do not disconnect the oscillator from module adapter.	Ac voltmeter indicates less than -60 dbm.	If performance standard is normal, proceed to next step; otherwise, use standard troubleshooting techniques to locate source of excessive noise.
15	Disconnect module adapter leads from ac voltmeter and oscillator. Connect leads J and K of module adapter to oscillator and leads M ad N of module adapter to ac voltmeter.		to locate scales of successive noise.
16	Turn on oscillator and set for a frequency of 1,000 Hz.		
17	Set 4W OUTPUT ADJ potentiometer R31 fully clockwise.		
18	Connect oscilloscope between collector of Q8 and lead B of module adapter.		
19	Adjust output level of oscillator until slight clipping of the sinewave appears on oscilloscope. If sinewave cannot be obtained, proceed directly to step 21.	Clipping on positive and negative half cycles of the sinewave are symmetrical.	If performance standard is normal, proceed to next step; otherwise, replace R32 in accordance with instructions in f below.
20	Adjust output level of oscillator until ac voltmeter indicates + 10 dbm.	Output level of oscillator is less than -8 dbm.	If performance standard is normal, proceed to step 24; proceed to next step.
21	Adjust oscillator output level for -8 dbm. Connect oscilloscope between collector of Q6 and lead B of module adapter.	Sinewave on oscilloscope has amplitude of approximately 0.01 V pp. If necessary, adjust 4W OUTPUT ADJ potentiometer R31.	If performance standard is normal, proceed to next step; otherwise, check and replace R2, R3, R4, T3, Q6 and associated parts and then repeat step 20.
22	Connect oscillator between collector of Q7 and lead B of module adapter.	Sinewave on oscilloscope has amplitude of approximately 0.8 V p-p.	If performance standard is normal, proceed to next step; otherwise, check and replace Q7 and associated parts and then repeat step 20.
23	Connect oscilloscope between collector of Q8 and lead B of module adapter.	Sinewave on oscilloscope has amplitude of approximately 2.6 V p-p.	If performance standard is normal, check and replace C33 and T4; otherwise, check and replace Q8 and associated parts. After corrective action, repeat step 20.
24a	Check bandwidth of output amplifier as follows:		, · · · ·
24b	Adjust oscillator for 1,000 Hz and output level of15 dbm.		
24c	Adjust 4W OUTPUT ADJ poten- tiometer R31 for an indication of 0 dbm on ac voltmeter.		
24d	Set frequency of oscillator to 300 Hz	Ac voltmeter indicates 0 - 1 dbm.	If performance standards for steps 24d1 and 24e are normal, proceed to
24e	Vary frequency of oscillator from 0.5 to 3.5 kHz.	Ac voltmeter indicates O t 0.5 dbm.	next step; otherwise, check and replace frequency determining parts such as capacitors C26 through C33.
25	Check noise level by disconnecting leads J, K, and S of the module adapter from the test equipment.	Ac voltmeter indicates less than -60 dbm.	If performance standard is normal, proceed to next step: otherwise, use standard troubleshooting techniques to locate source of excessive noise.
26	Turn off and then disconnect test equipment.		

- d. Low-Pass Filter Adjustment.
- (1) Connect the telephone test set, the 24-volt power supply, and the 48-volt power supply to the module adapter (and printed-circuit card) as shown in figure 6-16.
- (2) Set the ac voltmeter for an input impedance of 600 ohms.
- (3) Set the oscillator for an output impedance of 600 ohms and, a frequency of 1,000 Hz; then adjust the output level to obtain a 0-dbm indication on the ac voltmeter. Do not change the output level of the oscillator during steps (4), (5), and (6) below. When setting frequency of the oscillator, the frequency counter can be temporarily connected to the oscillator output terminals.
- (4) Set the oscillator to a frequency of 6,594 Hz and adjust L3 for minimum indication on the ac voltmeter. Minimum indication should be less than --50 dbm.
- (5) Set the oscillator to a frequency of 3,390 Hz and adjust L2 for minimum indication on the ac voltmeter. Minimum indication should be less than -50 dbm.
- (6) Set the oscillator to a frequency of 4,038 Hz and adjust L1 for minimum indication on the ac voltmeter. Minimum indication should be less than -50 dbm.
- (7) Turn off and then disconnect test equipment.
 - e. Selection of Bias Resistor R17.
 - (1) Remove R17 from the printed-circuit card.
- (2) Connect resistance decade, set to 100K ohms, to terminals E3 and E4.
- (3) Connect oscillator of the telephone test set and the 24-volt power supply to the module adapter (and printed-circuit card) as shown in figure 6-16.
- (4) Connect the oscilloscope between the collector of Q2 and lead B of the module adapter.
- (5) -Set the oscillator for an output impedance to 600 ohms and a frequency of 1,000 Hz; then adjust the output level until the waveform displayed on the oscilloscope is slightly clipped.
- (6) Adjust the resistance decade and the output level of the oscillator until clipping is symmetrical.
- (7) Turn off the 24-volt power supply and select a resistor whose value is as close as possible to the value determined by the resistance decade. Solder the resistor between terminals E3 and E4.
- (8) Turn of the 24-volt power supply and recheck the waveform on the oscilloscope for symmetrical clipping.

- (9) Turn off and then disconnect test equipment.
 - f. Selection of Bias Resistor R32.
 - (1) Remove R32 from the printed-circuit card.
- (2) Connect resistance decade, set to 100K ohms, to terminals E7 and E8.
- (3) Connect 24-volt power supply and 48- volt power supply to the module adapter (and printed-circuit card) as shown in figure 6-16.
- (4) Connect leads J and K of the module adapter to the oscillator output terminals and connect leads M and N of the module adapter to a 600-ohm terminating resistor.
- (5) Set the oscillator for an output impedance of 600 ohms and a frequency of 1,000 Hz.
- (6) Connect the oscilloscope between the collector of Q8 and lead B of the module adapter.
- (7) Adjust the output level of the oscillator until the waveform displayed on the oscilloscope is slightly clipped and then adjust the resistance decade and the output level of the oscillator until the clipping is symmetrical.
- (8) Turn off the 24-volt power supply and select a resistor whose value is as close as possible to the value determined by the resistance decade. Solder the resistor between terminals E7 and ES.
- (9) Turn on the 24-volt power supply and recheck the waveform on the oscilloscope for symmetrical clipping.
- (10) Turn off and then disconnect the test equipment.

6-11. 4-Wire/ 2-Wire Hybrid 49008-02

- a. General. This paragraph includes preliminary procedure and chart for performance testing and troubleshooting the 4-wire/2-wire hybrid. Also included are procedures for the selection of bias resistors R17 and R26. The schematic diagram for the 4-wire/2-wire hybrid is shown in figure FO-14.
- b. Preliminary Procedure. Before following the instructions in the performance test and troubleshooting chart (c below), perform the following procedure:
- (1) Connect the test equipment as shown in figure 6-17.
- (2) Turn on all test equipment and allow for a warm-up period as recommended in the technical manual for each test equipment.
- (3) Adjust the output of the 24-volt power supply for 24 vdc.
- (4) Adjust the output of the 48-volt power supply for 48 vdc.

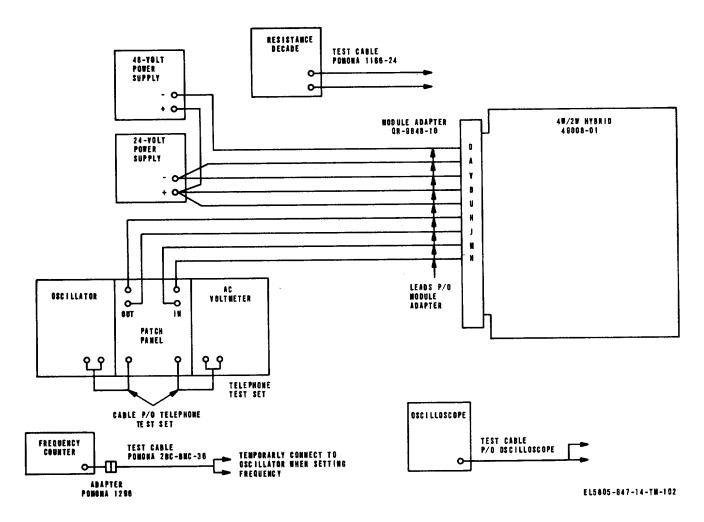


Figure 6-17. 4-Wire/2-Wire Hybrid 49U'082-, initial test setup lagrm.

C.	Performance	Test and	Troubleshooting	Chart.
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C.	Performance Test and Troublesh	nooting Chart.	
Step	Test Procedure	Performance standard	Corrective action
1	Perform preliminary procedures given in b above.		
2	Set oscillator, part of telephone test set, for frequncy of 1,000 Hz and output impedance of 600 ohms.		
3	Set ac voltmeter, part of telephone test set, for input impedance of 600 ohms.		
4	Set 2W OUTPUT ADJ potentiometer R18 to its maximum clockwise position.		
5	Connect oscilloscope between collector of Q2 and lead B of module adapter.		
6	Adjust output level of oscillator until slight clipping of the sinewave appears on oscilloscope. If sinewave cannot be obtained, proceed directly to step 8.	Clipping on positive and negative half cycles of sinewave are symmetrical.	If performance standard is normal, proceed to next step; otherwise, replace R17 in accordance with instructions in d below.
7	Adjust oscillator output level until ac voltmeter indicates 0 dbm.	Output level of oscillator is less than18 dbm.	If performance standard is normal, proceed to step 11; otherwise, proceed to next step.
8	Adjust oscillator output level for15 dbm. Adjust 2W OUTPUT ADJ potentiometer R18 to obtain 0-dbm indication on ac voltmeter. Connect oscilloscope between collector of Q4 and lead B of module adapter.	Sinewave on oscilloscope has amplitude of approximately 0.025 V p p.	If performance standard is normal, proceed to next step; otherwise, check and replace T2, Q4, and associated parts and then repeat step 7.
9	Connect oscilloscope between collector of Q3 and lead B of module adapter.	Sinewave on oscilloscope has amplitude of approximately 1.9 V p-p.	If performance standard is normal, proceed to next step; otherwise, check and replace Q3 and associated parts and then repeat step 7.
10	Connect oscilloscope between colllector of Q2 and lead B of module adapter.	Sinewave on oscilloscope has amplitude of approximately 5.2 V p-p.	If performance standard is normal, check and replace R2, R3, R4, and T1: otherwise, check and replace Q2 and associated parts. After corrective action, repeat step 7.
11 12a	Disconnect lead D of module adapter from 48-volt power supply and observe ac voltmeter. After observing ac voltmeter, replace lead D to negative terminal of 48-volt power supply. Check bandwidth of input amplifier as	Indication on ac voltmeter decreases approximately 3.5 dB when lead D is disconnected.	If performance standard is normal, proceed to next step; otherwise, check and replace R1, K1, Q1 and associated parts.
	follows:		
12b 12c	Adjust oscillator for 1.000 Hz and output level of15 dbm. Adjust 2W OUTPUT ADJ potentiometer R18 for an indication of 0		
12d	dbm on ac voltmeter. Set frequency of oscillator to 300 Hz.	Ac voltmeter indicates 0 + 1 dbm.	If performance standards for steps
12e	Set frequency of oscillator to 400 Hz.	Ac voltmeter indicates 0 + 0.7 dbm.	12d, e, and f are normal, proceed
12f	Vary frequency of oscillator from 0.5 to 3.5 kHz.	Ac voltmeter indicates 0 + 0.5 dbm.	to next step; otherwise, check and replace frequency determining parts such as capacitors C1 through C9.
13	Check noise level by turning off oscillator but do not disconnect oscillator from module adapter.	Ac voltmeter indicates less than -60 dbm.	If performance standard is normal, proceed to next step; otherwise, use standard troubleshooting techniques to locate source of noise.
14	Disconnect module adapter leads from ac voltmeter and oscillator. Connect leads M and N of module adapter to oscillator and leads S and T of module adapter to ac voltmeter.		

Step	Test Procedure	Performance standard	Corrective action
15	Turn on oscillator and set for a frequency of 1,000 Hz.		
16	Set 4W OUTPUT ADJ potentiometer R25 fully clockwise.		
17	Connect oscilloscope between collector of Q7 and lead B of module adpater.		
18	Adjust output level of oscillator until slight clipping of the sinewave appears on oscilloscope. If sinewave cannot be obtained, proceed directly to step 20.	Clipping on positive and negative half cycles of sinewave are symmetrical. instructions in e below.	If performance standard is normal, proceed to next step; otherwise, replace R26 in accordance with
19	Adjust output level of oscillator until ac voltmeter indicates +10 dbm.	Output level of oscillator is less than -8 dbm.	If performance standard is normal, proceed to step 23; otherwise, proceed to next step.
20	Adjust oscillator ourtut level for -8 dbm. Connect oscilloscope between collector of Q5 and lead B of module adapter.	Sinewave on oscilloscope has amplitude of approximately 0.01 V pp. If necessary, adjust 4W OUTPUT ADJ potentiometer R25 to obtain 0.01 V pp.	If performance standard is normal, proceed to next step; otherwise, check and replace R2, R3, R4, T3, Q5 and associated parts and then repeat step 19.
21	Connect oscillator between collector of Q6 and lead B of module adapter.	Sinewave on oscilloscope has amplitude of approximately 0.8 V p-p.	If performance standard is normal, proceed to next step; otherwise, check and replace Q6 and associated parts and then repeat step 19.
22	Connect oscilloscope between collector of Q7 and lead B of module adapter.	Sinewave on oscilloscope has amplitude of approximately 2.6 V p-p.	If performance standard is normal, check and replace C17 and T4; otherwise, check and replace Q7 and associated parts. After corrective action, repeat step 19.
23a	Check bandwidth of output amplifier as follows:		
23b	Adjust oscillator for 1,000 Hz and output level of15 dbm.		
23c	Adjust 4W OUTPUT ADJ poten- tiometer R25 for indication of 0 dbm on ac voltmeter.		
23d	Set frequency of oscillator to 300 Hz.	Ac voltmeter indicates 0 +: 1 dbm.	If performance standards for steps
23e 23f	Set frequency of oscillator to 400 Hz. Vary frequency of oscillator from 0.5 to 3.5 kHz.	Ac voltmeter indicates 0 t 0.7 dbm. Ac voltmeter indicates 0 : 0.5 dbm.	23d, e, and f are normal, proceed to next step; otherwise, check and replace frequency determining parts such as capacitors C10 through
24	Check noise level by disconnecting leads M, N, and D of the module adapter from the test equipment.	Ac voltmeter indicates less than -60 dbm.	C17. If performance standard is normal, proceed to next step; otherwise, use Standard troubleshooting techniques to locate source of excessive noise.
25	Turn off and then disconnect test		CACCCCITO HOISO.

- Turn off and then disconnect test equipment.
 - d. Selection of Bias Resistor R17.
 - (1) Remove R17 from the printed-circuit card.
- (2) Connect resistance decade, set to 100K ohms, to terminals E3 and E4.
- (3) Connect the oscillator, part of the telephone test set, and the 24-volt power supply to the module adapter (and printed-circuit card) as shown in figure 6-17.
- (4) Connect the oscilloscope between the collector of Q2 and lead B of the module adapter.
- (5) Set the oscillator for an output impedance of 600 ohms and a frequency of 1,000 Hz, and then adjust the output level of the oscillator until the waveform displayed on the oscilloscope is slightly clipped.
- (6) Adjust the resistance decade and the output level of the oscillator until clipping on the positive and negative half cycles of the waveform are symmetrical.
- (7) Turn off the 24-volt power supply and select a resistor whose value is as close as possible

to the value determined by the resistance decade. Solder the resistor between terminals E3 and E4.

- (8) Turn on the 24-volt power supply and recheck the waveform. If clipping is not symmetrical, repeat the procedure.
- (9) Turn off and then disconnect the test equipment.
 - e. Selection of Bias Resistor R26.
 - (1) Remove R26 from the printed-circuit card.
- (2) Connect resistance decade, set to 100K ohms, to terminals E7 and E8.
- (3) Connect 24-volt power supply and 48-volt power supply to the module adapter (and printed-circuit card) as shown in figure 6-17.
- (4) Connect leads M and N of the module adapter to the oscillator output terminals and connect leads S and T of the module adapter to a 600-ohm terminating resistor.
- (5) Connect the oscilloscope between the collector of Q7 and lead B of the module adapter.
- (6) Set the oscillator for an output impedance of 600 ohms and a frequency of 1,000 Hz, and then adjust the output level of the oscillator until the waveform displayed on the oscilloscope is slightly clipped.
- (7) Adjust the resistance decade and the output level of the oscillator until clipping on the positive and negative half cycles of the waveform are symmetrical.

- (8) Turn off the 24-volt power supply and select a resistor whose value is as close as possible to the value determined by the resistance decade. Solder the resistor between terminals E7 and E8.
- (9) Turn of the 24-volt power supply and recheck the waveform. If clipping is not symmetrical, repeat the procedure.
- (10) Turn off and then disconnect the test equipment.

6-12. Dual Amplifier 40172-03 and 40472-03

- a. General. This paragraph includes preliminary procedure and chart for performance testing and troubleshooting the 40172-03 and 40472-03 dual amplifiers. Also included are procedures for the selection of bias resistor R4 in amplifier No. 1 and bias resistor R20 in amplifier No. 2. The schematic diagram for both models of the dual amplifier is shown in figure FO-17.
- b. Preliminary Procedure. Before following the instructions in the performance test and troubleshooting chart (c below), perform the following procedure:
- (1) Connect the test equipment as shown in figure 6-18.
- (2) Turn on all test equipment and allow for a warmup period as recommended in the technical manual for each test equipment.
- (3) Adjust the output of the 24-volt power supply for 24 vdc.

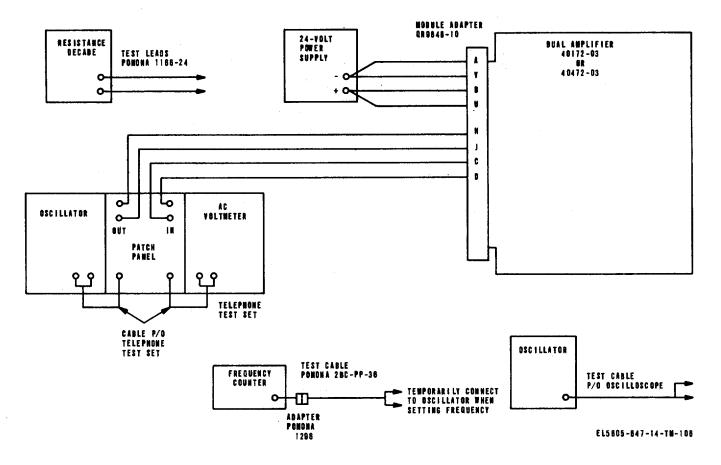


Figure 6-18. Dual Amplifier 40172-08 and 40472-03, initial test setup diagram.

c. Performance Test and Troubleshooting Chart.

Step	Test Procedure	Performance standard	Corrective action
1	Perform preliminary procedures given in b above.		
2	Set oscillator, part of telephone test set, for frequency of 1,000 Hz and output impedance of 600 ohms.		
3	Set ac voltmeter part of telephone test set, for input impedance of 600 ohms.		
	Steps 4 through 12 are applicable only to amplifier No. 1 and steps 13 through 23 are applicable only to amplifier No. 2.		
4 5	Set potentiometer R3 fully clockwise. Connect oscilloscope between collector of Q3 and lead B of module adapter.		
6	Adjust output level of oscillator until slight clipping of the sinewave appears on oscilloscope. If sinewave cannot be obtained, proceed directly to step 8.	Clipping on positive and negative half cycles of sinewave are symmetrical.	If performance standard is normal, proceed to next step; otherwise, replace R4 in accordance with instructions in d below.
7	Adjust oscillator output level until ac voltmeter indicates 0 dbm.	Output level of oscillator is less than -20 dbm.	If performance standard is normal, proceed to step 11; otherwise, proceed to next step.

Ste	nΤ	est	Pro	ากค	dı	ıre

- 8 Adjust oscillator output level for --16 dbm: Adjust potentiometer R3 to obtain 0-dbm indication on ac voltmeter. Connect oscilloscope between collector of Q1 and lead B of module adapter.
- 9 Connect oscilloscope between collector of Q2 and lead B of module adapter.
- 10 Connect oscilloscope between collector of Q3 and lead B of module adapter.
- 11a Check bandwidth of amplifier No. 1 as follows:
- 11b Adjust oscillator for 1,000 Hz and output level of -20 dbm.
- 11c Adjust potentiometer R3 for an indication of 0 dbm on ac voltmeter.
- 11d Set frequency of oscillator to 200 Hz.
- 11e Set frequency of oscillator to 300 Hz;
- 11f Set frequency of oscillator to 400 Hz.
- 11g Vary frequency of oscillator from 0.5 to 3.5 kHz.
- 11h Set frequency of oscillator to 8 kHz.
- 11 Set frequency of oscillator to 12 kHz.
- 12 Check noise level of amplifier No. 1 by turning off oscillator but do not disconnect oscillator from module adapter.
- Disconnect module adapter leads from ac voltmeter and oscillator. Connect leads M and N of module adapter to oscillator and leads S and T of module adapter to ac voltmeter.
- Turn on oscillator and set for a frequency of 1,000 Hz.
- 15 Set potentiometer R19 fully clockwise.
- 16 Connect oscilloscope between collector of Q6 and lead U of module adapter.
- Adjust output level of oscillator until slight clipping of the sinewave appears on oscilloscope. If sinewave cannot be obtained, proceed directly to step 19.
- 18 Adjust oscillator output level until ac voltmeter indicates 0 dbm.
- 19 Adjust oscillator output level for --16 dbm. Adjust potentiometer R19 to obtain 0-dbm indication on ac voltmeter. Connect oscilloscope between collector of Q4 and lead U of module adapter.
- 20 Connect oscilloscope between collector of Q5 and lead U of module adapter.
- 21 Connect oscilloscope between collector of Q6 and lead U of module adapter.

Performance standard

- Sinewave on oscilloscope has amplitude of approximately 0.01 V p. p.
- Sinewave on oscilloscope has amplitude of approximately 0.9 V p.p.
- Sinewave on oscilloscope has amplitude of approximately 2.5 V p-p.

- Ac voltmeter indicates 0 t 2 dbm.
 Ac voltmeter indicates O -: 1 dbm.
 Ac voltmeter indicates 0 t 0.7 dbm.
 Ac voltmeter indicates O 0.5 dbm.
- Ac voltmeter indicates 0 1 dbm. Ac voltmeter indicates 0 t 2 dbm. Ac voltmeter indicates less than -60 dbm.

- Clipping on positive and negative half cycles of sinewave are symmetrical.
- Output' level of oscillator is less than -20 dbm.
- Sinewave on oscilloscope has amplitude of approximately 0.01 V pp.
- Sinewave on oscilloscope has amplitude of approximately 0.9 V p-p.
- Sinewave on oscilloscope has amplitude of approximately 2.5 V p-p.

Corrective action

- If performance standard is normal, proceed to next step; otherwise, check and replace T1, Q1, and associated parts and then repeat step 7.
- If performance standard is normal, proceed to next step; otherwise, check and replace Q2 and associated parts and then repeat step 7.
- If performance standard is normal, check and replace C9 and T2; otherwise, check and replace Q3 and associated parts. After corrective action, repeat step 7.
- If performance standards for steps 11d through 11i are normal, proceed to next step; otherwise, check and replace frequency determining parts such as capacitors C2 through C9.
- If performance standard is normal, proceed to next step; otherwise, use standard troubleshooting techniques to locate source of noise.

- If performance standard is normal, proceed to next step; otherwise, replace R20 in accordance with instructions in e below.
- If performance standard is normal, proceed to step 22; otherwise, proceed to next step.
- If performance. standard is normal, proceed to next step; otherwise, check and replace T3, Q4, and associated parts and then repeat step 18.
- If performance standard is normal, Proceed to next step; otherwise, check and replace Q5 and associated parts and then repeat step 18.
- If performance standard is normal, check and replace C18 and T4; otherwise, check and replace Q6 and associated parts. After corrective action, repeat step 18.

Step	Test Procedure	Performance standard	Corrective action
22a	Check bandwidth of amplifier No. 2 as follows:		
22b	Adjust oscillator for 1000 Hz and output level of -20 dbm.		
22c	Adjust potentiometer R19 for an indication of 0 dbm on ac voltmeter.		
22d	Set frequency of oscillator to 200 Hz.	Ac voltmeter indicates 0 ' 2 dbm.	If performance standards for steps
22e	Set frequency of oscillator to 300 Hz.	Ac voltmeter indicates 0 :- 1 dbm.	22d through 22i are normal,
22f	Set frequency of oscillator to 400 Hz.	Ac voltmeter indicates 0 :- 0.7 dbm.	proceed to next step; otherwise,
22g	Vary frequency of oscillator from 0.5 to 3.5 kHz.	Ac voltmeter indicates O: 0.5 dbm.	check and replace frequency determining parts such as
22h	Set frequency of oscillator to 8 kHz.	Ac voltmeter indicates 0 +- 1 dbm.	capacitors C11 through C18.
22i	Set frequency of oscillator to 12 kHz.	Ac voltmeter indicates 0 :- 2 dbm.	
23	Check noise level of amplifier No. 2 by turning off oscillator but do not disconnect oscillator from module adapter.	Ac voltmeter indicates less than -60 dbm.	If performance standard is normal, proceed to next step; otherwise, use standard troubleshooting techniques to locate source of noise.
24	Turn off and then disconnect test equipment.		·

- d. Selection of Bias Resistor R4.
 - (1) Remove R4 from the printed-circuit card.
- (2) Connect resistance decade, set to 100K, to terminals E1 and E2.
- (3) Connect the 24-volt power supply to the module adapter (and printed-circuit' card) as shown in figure 6-18.
- (4) Connect leads H and J of the module adapter to oscillator output terminals and connect leads C and D of the module adapter to a 600-ohm terminating resistor.
- (5) Set the oscillator for an output impedance of 600 ohms and a frequency of 1,000 Hz.
- (6) Connect an oscilloscope between the collector of Q3 and lead B of the module adapter.
- (7) Adjust the output level of the oscillator until the waveform displayed on the oscilloscope is slightly clipped.
- (8) Adjust the resistance decade and the output level of the oscillator until clipping on the positive and negative half cycles of the waveform is symmetrical.
- (9) Turn off the 24-volt power supply and select a resistor whose value is as close as possible o the value determined by the resistance decade. older the resistor between terminals E1and E2.
- (10) Turn on the 24-volt power supply and recheck the waveform. If clipping is not symmetrical, repeat the procedure.
- (11) Turn off and then disconnect the test equipment.
 - e. Selection of Bias Resistor R20.
 - (1) Remove R20 from the printed-circuit card.
- (2) Connect resistance decade, set to 100K, to terminals E3 and E4.
 - (3) Connect the 24-volt power supply to the

module adapter (and printed-circuit card) as shown in figure 6-18.

- (4) Connect leads M. and N of the module adapter to the oscillator output terminals and connect leads S and T of the module adapter to a 600-ohm terminating resistor.
- (5) Set the oscillator for an output impedance of 600 ohms and a frequency of 1,000 Hz.
- (6) Connect an oscilloscope between the collector of Q6 and lead U of the module adapter.
- (7) Adjust the output level of the oscillator until the waveform displayed on the oscilloscope is slightly clipped.
- (8) Adjust the resistance decade and the output level of the oscillator until clipping on the positive and negative half cycles of the waveform is symmetrical.
- (9) Turn off the 24-volt power supply and select a resistor whose value is as close as possible to the value determined by the resistance decade. Solder the resistor between terminals E3 and E4.
- (10) Turn on the 24-volt power supply and recheck the waveform. If clipping is not symmetrical, repeat the procedure.
- (11) Turn off and then disconnect the test equipment.

6-13. Power Supply 41U0z-U1

- a. General. This paragraph includes preliminary procedure and chart for performance testing and troubleshooting the power supply. The schematic diagram for the power supply is shown in figure FO-18.
- b. Preliminary Procedure. Before following the instructions in the performance test and troubleshooting chart (c below), perform the following procedure:

- (1) Connect the test equipment as shown in figure 6-19.
- (2) Turn on all test equipment and allow for a warmup period as recommended in the technical manual for each test equipment.
- (3) Set the POWER switch on the power supply to the off (down) position.
- (4) Adjust the output of the 48-volt power supply for 48 vdc.

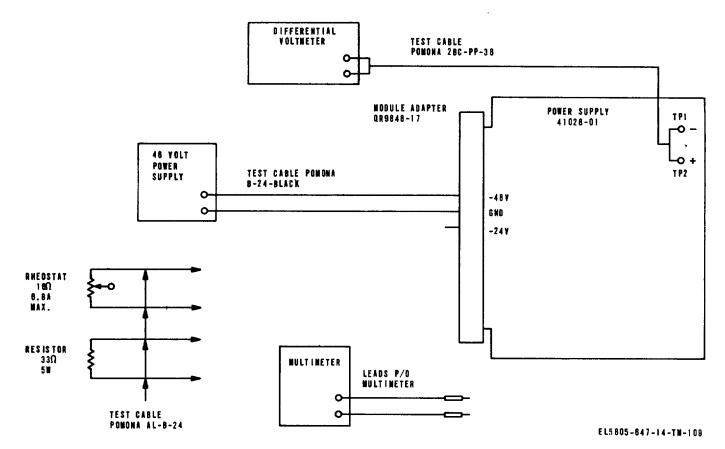


Figure 6-19. Power Supply 41028-01, initial test setup diagram.

Performance Test and Troubleshooting Chart.

Step Test Procedure Performance standard Corrective action 1 Perform preliminary procedures given in b above. Set POWER switch on the power ON indicator DS1 lights and dif-2 If performance standard is normal, ferential voltmeter indicates approceed to step 5. If voltage is supply on ON position. normal but DS1 is not lit, replace proximately 24 vdc. DS1. If voltage is not normal, proceed to next step. If performance standard is normal, 3 Connect positive lead of multimeter Multimeter indicates 48 vdc...... to pin V and touch negative lead to proceed to next step; otherwise, pin J. check and replace F1 and S1. If replacement fuse burns out, check and replace C5 and C6. 4 Touch negative lead of multimeter to Multimeter indicates approximately If performance standard is normal... check and replace R2; otherwise, pin C. 25 vdc. check C4 for a short circuit. If C4 is good, check dc voltages indicated on schematic diagram (fig. FO-17) to isolate the malfunctioning part; insure there is 10 vdc across VR1.

- 5 Set POWER switch on power supply to off (down) position. Connect 16ohm rheostat between -24 V and GND terminals of module adapter. Set POWER switch to ON position.
- 6 While observing differential voltmeter. adjust 48-volt power supply from -44 vdc to --56 vdc and then to -48 vdc.
- 7 Set POWER switch on power supply to off (down) position. Connect 33ohm load resistor in parallel with rheostat. Set POWER switch to ON position.
- 8 Set POWER switch on power supply to off (down) position. Connect a jumper cable across the rheostat. Set POWER switch to ON position.
- 9 Connect multimeter across resistor R2.
- Set POWER switch on power supply off (down) position. Disconnect 33ohm load resistor and jumper cable. Set POWER switch to ON position.
- Turn off and then disconnect test equipment.

Differential voltmeter indicates 24.0 vdc.

Differential voltmeter does not vary more than + 0.7 V from 24.0 vdc.

Differential voltmeter indicates less than -22 vdc.

Differential voltmeter indicates 0 volt and fuse F1 does not burn out.

associated parts.

Multimeter indicates less than 1 vdc.

Differential voltmeter indicates 24 t 0.7 vdc.

If performance standard is normal, proceed to next step: otherwise, adjust R10 (marked ADJ on front panel) to obtain 24.0 volts.

If performance standard is normal, Proceed to next step; otherwise, check dc voltages indicated on schematic diagram (fig. FO-18) to isolate defective part.

If performance standard is normal, Proceed to next step: otherwise, check and replace Q1, Q3 and associated parts.

If performance standard is normal, Proceed to next step: otherwise, Check and replace Q1, Q3 and

If performance standard is nbrmal, proceed to next step: otherwise, check and replace R2. Q1, Q3 and associated parts.

If performance standard is normal, Proceed to next step: otherwise, Check and replace Q1, Q3 and associated parts.

6-14. Power Supply 41029-01

- a. General. This paragraph includes preliminary procedure and chart for performance testing and troubleshooting the power supply. The schematic diagram for the power supply is shown in figure FO-20.
- b. Preliminary Procedure. Before following the instructions in the performance test and troubleshooting chart (c below), perform the following procedure:
 - (1) Insure terminal E13 is strapped to

terminal E15 and terminal E17 is strapped to terminal E19.

- (2) Connect the test equipment as shown in figure 6-20.
- (3) Turn on all test equipment and allow for a warmup period as recommended in the technical manual for each test equipment.
- (4) Set the POWER switch on the power supply to the off (down) position.
- (5) Adjust the autotransformer to provide 120 vac.

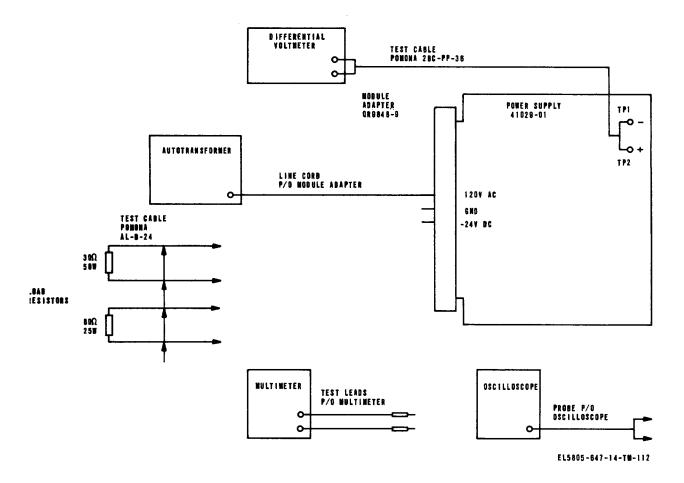


Figure 6-20. Power supply 41029-01, initial test setup diagram.

c. Performance Test and Troubleshooting Chart.

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Step	Test Procedure	Performance standard	Corrective action
1	Perform preliminary procedures given in b above.		
2	Set POWER switch on the power supply to ON position.	ON indicator DS1 lights and dif- ferential voltmeter indicates ap- proximately 24 vdc.	If performance standard is normal, proceed to step 6. If voltage is normal but DS1 is not lit, replace DS1. If voltage is not normal, proceed to next step.
3	Connect multimeter between terminals E13 and E19.	Multimeter indicates 120 vac	If performance standard is normal, proceed to next step; otherwise, check and replace F1 and S1. If replacement fuse burns out, check and replace T1., CR1, and C5.
4	Connect positive lead of multimeter to terminal E9 and negative lead of multimeter to terminal E10.	Multimeter indicates approximately 31 vdc.	If performance standard is normal, proceed to next step, otherwise, check and replace T1, CR1, and C5.
5	Connect positive lead of multimeter to pin V and negative lead of multimeter to pin C.	Multimeter indicates approximately 24.3 vdc.	If performance standard is normal, check and replace R2: otherwise, check C4 for a short circuit. If C4 is good, check dc voltages indicated on schematic diagram (fig. FO-20). to isolate the malfunctioning part.

- 6 Set POWER switch on power supply to off (down) position. Connect 30ohm load resistor between GND and -24 vdc terminals of the module adapter. Set POWER switch to ON position.
- 7 Connect oscilloscope between TP1 and TP2.
- While observing differential voltmeter and oscilloscope, vary autotransformer from 132 vac to 108 vac and then back to 120 vac.
- 9 Set POWER switch on power supply to off (down) position. Connect 60ohm load resistor in parallel with 30-ohm load resistor. Set POWER switch to ON position.
- Set POWER switch on power supply to off (down) position. Connect a jumper cable across resistors. Set POWER ON position.
- 11 Connect multimeter across resistor R2.....
- 12 Set POWER switch on power supply to off (down) position. Disconnect 60-om load resistor and jumper cable. Set POWER switch to ON position.
- Turn off and then disconnect test equipment.

- Differential voltmeter indicates 24.0 vdc.
- Ripple voltage as displayed on the oscilloscope is less than 50 mv p-p.
- Differential voltmeter does not vary more than t 0.7 V from 24.0 vdc nor does the ripple voltage, displayed on oscilloscope exceed 50 mv p-p.
- Differential voltmeter indicates less than -22 vdc.
- Differential voltmeter indicates 0 volt and fuse F1 does not burn out. the load switch to
- Multimeter indicates less than 1 vdc. proceed to next step;
- Differential voltmeter indicates 24 t 0.7 vdc.

- If performance standard is normal, proceed to next step; otherwise, adjust R10 (marked ADJ on front panel) to obtain 24.0 volts.
- If performance standard is normal, proceed to next step; otherwise, check and replace C4 and C5.
- If performance standard is normal, proceed to next step; otherwise, check dc voltages indicated on schematic diagram (fig. FO-20) to isolate defective part.
- If performance standard is normal, proceed to next step; otherwise, check and replace Q1, Q3, and associated parts.
- If performance standard is normal, proceed to next step; otherwise, check and replace Q1, Q3 and associated parts.
- If performance standard is normal, otherwise, check and replace Q1, Q3 and associated parts.
- If performance standard is normal, proceed to next step; otherwise, check and replace Q1, Q3 and associated parts.

6-15. Line Card Assembly LCC 9740

- a. General. This paragraph includes preliminary procedure and chart for performance testing and troubleshooting the line card assembly. The schematic diagram for the line card assembly is shown in figure 46.
- b. Preliminary Procedure. Before performing the performance test and troubleshooting chart (c below), perform the following procedure.
- (1) Connect the test equipment as shown in figure 6-2f.
- (2) Adjust the output of power supply No. 1 to 48 vdc.
- (3) Adjust the output of power supply No. 2 to 48 vdc.
- (4) Adjust the output of the autotransformer for 75 vac.

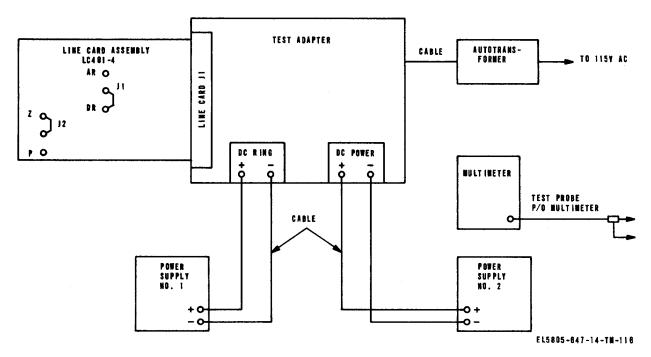


Figure 6-21. Line card assembly LCC9740, test setup diagram.

c. Performance Test and Troubleshooting Chart.

Step	Test Procedure	Performance standard	Corrective action
1	Perform preliminary procedure given in b above.		
2	On line card assembly, check for jumpers and if not already connected, place jumper across J1 terminals DR and place jumper across J2 terminals Z.		
3	Insert the line card assembly to be tested into receptacle J1 of the test adapter.		
4	Set test adapter switches to simulate idle function as follows: a. LINE switch to NORMAL position. b. HOOK SWITCH to DOWN position. c. HOLD switch to ON position.	Indicators L5 and L9 should be illuminated. Proceed with step 5.	Proceed with step 5.
5	Set HOOK SWITCH of test adapter to UP position to simulate answer (off hook) function.	Indicators LI, L5, L6, and L9 should be illuminated. Also, indicator lamp LED on line card assembly should be illuminated. Proceed to step 9.	If correct indicator lamp indications are not obtained in steps 4 and 5, proceed with step 6.
6	Connect multimeter probe to Q3 emitter; connect common lead to Q3 base. Measure voltage.	6 to 10 vdc. Proceed with step 7	If voltage not present, R4 is open. If voltage incorrect value, Q3 is defective.
7	Connect multimeter probe to Q2 base; connect common lead to Q2 emitter. Measure voltage.	Approximately 6 vdc. Line card assembly LED should be illuminated.	If voltage correct, trouble is in Q2 or K2 relay coil. If LED not illuminated check for open R14 or defective LED. IF Q2 base voltage is zero, either R3 or R7 is open, IC1A or IC1B is defective, or K3 relay (with CR1, CR2) is defective.
8	Connect multimeter probe to IC1A pin 1: connect common lead to IC1D pin 7. Measure voltage.	Approximately 6 vdc	If voltage not present, R3 is open or K3 relay not operating. If voltage is low, R6 or C1 defective.

- 9 Set HOOK SWITCH of test adapter to DOWN position to simulate hang up (on hook) function.
- 10 Depress DC RING switch on test adapter for one second. then release.
- 11 Connect multimeter probe to Q1 base: connect common lead to Q1 emitter. Measure voltage while depressing DC RING switch on test adapter.
- 12 Connect multimeter probe to ICID pin 13 connect common lead to IC1D pin 7. Measure voltage while depressing DC RING switch on test adapter.
- Connect multimeter probe to J1 terminals DR jumper: connect common lead to line card assembly terminal
 Measure voltage while depressing DC RING switch on test adapter.
- 14 Set HOOK SWITCH of test adapter to UP position to simulate answer (off hook) function.
- 15 Set HOLD switch of test adapter to OFF position to simulate hold function, then depress OPEN LINE switch for 1 second and release.
- 16 Set LINE switch of test adapter to REVERSE position.
- 17 Set LINE switch of test adapter to NORMAL position and set HOLD switch to ON position to simulate answer function.
- 18 Remove line card assembly from receptacle Ji of test adapter. Change jumper at J1 terminals from DR to AR. Insert line card assembly into receptacle J1 of test adapter.
- 19 Set HOOK SWITCH of test adapter to DOWN position to simulate idle (on hook) function. Depress AC RING switch on test adapter for 1 second, then release.
- 20 Depress AC RING switch on test adapter for 1 second, then release and set HOOK SWITCH position to simulate answer hook) function.

- Indicators L5 and L9 should be illuminated. Proceed with step 10.
- Indicators L3. L4, and L7 should be illuminated and remain illuminated for from 20 to 100 seconds after switch is released, Proceed with step 14.
- Approximately 6 Vdc while DC RING switch depressed: remains at 6 vdc for 20 to 100 seconds after switch is released, then drops to zero dc.
- Voltage measured rises to approximately 7 vdc maximum: voltage starts to decrease after switch is released. When voltage decreases to approximately 3 vdc, relay K1 should be deenergized.
- Approximately --1.2 vdc while DC RING switch depressed: returns to zero dc when switch is released.
- Indicators L1, L5, L6, and L9 should be illuminated. Also, indicator lamp LED on line card assembly should be illuminated. Proceed with step
- Indicators L1, L3, and L8 should be illuminated. Also, indicator lamp LED on line card assembly should be illuminated Proceed with step 16.
- Indicators L2, L3, and L8 should be illuminated. Also, indicator lamp LED on line card assembly should be illuminated. Proceed with step 17.
- Indicators L1, L5, L6, and L9 should be illuminated. Also, indicator lamp LED on line card assembly should be illuminated. Proceed with step 18.
- None. Proceed with step 19.
- Indicators L3, L4, and L7 should be illuminated and remain illuminated for from 20 to 100 seconds after switch is relased. Proceed with step 20.
- Indicators L3, L4, and L7 should be illuminated until HOOK SWITCH to UP is set to UP position; at this time (off indicators L3, L4, and L7 should no longer be illuminated and indicators L1, L5, L6, and L9 should be illuminated. Also, indicator lamp LED on line card assembly should be illuminated. Proceed with step 21.

None required.

NOTE

Make certain that jumper on line card assembly J1 is in place on DR terminals.

If correct indicator lamp indications are not obtained, proceed with step 11.

- If voltage indications are correct; Q1, K1 relay, or CR6 is defective. If voltage indications are not correct, proceed with step 12.
- If voltage indications are correct, R8 is open, IC1C or IC1D is defective, R13 or CR3 is defective, or R15 or CR4 is defective. If voltage indications are not correct, CR7, C2, R9 and R10, R12, or R16 are defective. Proceed with step 13.
- If voltage indications are correct, DET or CR9 is defective. If voltage not present, R22 is open.

None required.

If indicator L3 not illuminated, check contacts 15 and 16 of relay K1. If indicator L8 'not illuminated, check contacts 12 and 13 of relay K2.

Same as step 15 above.

None required.

NOTE

Make certain that jumper on card assembly J1 is in place on AR terminals. If correct indicator Lamp indications are not obtained, C4 is open, VTR is defective, or R16A is defective.

If indicators L3, L4, and L7 are not extinguished immediately when HOOK SWITCH is set to UP position, CR7 is defective.

- 21 Set HOOK SWITCH of test adapter to DOWN position to simulate idle (on hook) function.
- 22 Remove line card assembly from receptacle J1 of test adapter. Change jumper at Ji terminals from AR to DR. Insert line card assembly into receptacle J1 of test adapter.
- 23 Readjust power supply No. 2 to 40 vdc.
- 24 Repeat procedures given in steps 4 through 22 above.
- 25 Readjust power supply No. 2 to 46 vdc.
- 26 Repeat procedures given in steps 4 through 22 above.
- 27 Remove line card assembly 1from receptacle Ji of test adapter. Tests are completed. Disconnect test equipment.

Indicators L5 and L9 should be illuminated. Proceed with step 22.

None. Proceed with step 23.

None. Proceed with step 24.

Same as in corresponding steps.
(Proceed with step 25).

None. Proceed with step 26.

Same as in corresponding steps.

None required.

6-16. Interrupter Card Assembly INT-9740

- a. General. This paragraph includes preliminary procedure and chart for performance testing and troubleshooting the interrupter card assembly. The schematic diagram for the interrupter card assembly is shown in figure 4-11.
- b. Preliminary Procedure. Before performing the performance test and troubleshooting chart (c below), perform the following procedure:
- (1) Connect the test equipment as shown in figure 6-22.
- (2) Adjust the output of power supply no. 1 to 48 vdc.
- (3) Adjust the output of power supply no. 2 to 12 vdc.

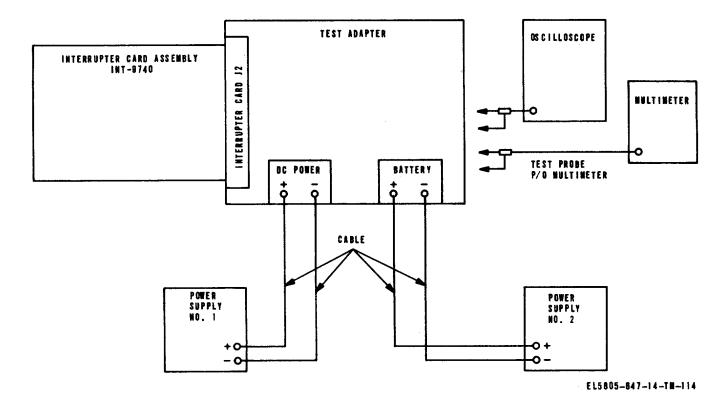


Figure 6-22. Interrupter Card Assembly INT-9740, test setup diagram.

between transitions measured at IC1 pin 12. If waveform not

present, IC2 is defective.
c. If waveform present in a and
b. above. then ICI is defective.

c. Performance Test and Troubleshooting Chart.

Step	Test Procedure	Performance standard	Corrective action
1	Perform preliminary procedure given in b above.		
2	Insert the interrupter card assembly to be tested into receptacle J2 of the test adapter.		
3	Depress LED pushbutton on test adapter.	LED on interrupter card assembly should be illuminated.	If LED is not illuminated, check voltage drop across LED and, if greater than 1.5 vdc, the LED is defective and should be replaced. If voltage drop is 0 vdc, check for open R3.
4	Set SELECTOR switch of test adapter to position 1 (lamp flash).	Indicators L10 and L11 should both be flashing on for 0.5 second and off for 0.5 second. Proceed with step 5.	Proceed with step 5.
5	Depress TEST pushbutton	Indicator L10 should be on steady and indicator L11 should flash on for 0.5 second and off for 0.5 second. Proceed with step 9.	If performance standard not obtained in steps 4 and 5, proceed with step 6.
6	Connect oscilloscope vertical input to IC1 pin 3; connect oscilloscope ground clip to card pin V. Observe waveform.	Waveform observed should be approximately a square wave between 6 and 10-volt amplitude. The Oscillatory period should be 0.1 second: 20 percent. Proceed with step 7.	If waveform not present at timing oscillator, check the following: a. Measure 6 to 10 vdc between Q1 emitter (+) and collector (-). If no voltage, check for open R22, shorted C2, or defective CR1. If voltage is high, Q1 is defective. b. Measure 0 vdc at ICI pin 1. If voltage is present, check for open lead to card terminal E; if voltage is zero, check for defective R1, C1, or IC1, or open R14, R15.
7	Connect oscilloscope vertical input to Q10 base; connect oscilloscope ground clip to card pin V. Observe waveform.	Waveform observed should be a square wave 0.5-second duration between transitions.	or IC3 is defective. If waveform is present, proceed with step 8.
8	Connect oscilloscope vertical input to Q5 base; connect oscilloscope ground clip to card pin V. Observe waveform.	Same as step 7	If waveform not present, Q10 and R11 or Q4 and R9 are defective. If waveform is present, Q5 or CR9 is defective.
9	Set SELECTOR switch of test adapter to position 2 (internal ring).	Indicators L10 and L11 should both be flashing for a i-second interval every 3 seconds. Proceed with step 10.	Proceed with step 10.
10	Depress TEST pushbutton	Indicator L10 should be on steady and indicator L11 should flash rapidly for a i-second interval every 3 seconds. Proceed with step 13.	If performance standard not obtained in steps 9 and 10, proceed with step 11.
11	Connect oscilloscope vertical input to IC1 pin 11; connect oscilloscope ground clip to card pin V. Observe waveform.	Waveform observed should be a 1-second duration pulse occurring every 3 seconds. Proceed with step 12.	If waveform not present at ICI pin 11, check the following: a. Check for square wave ap- Proximately 2-second duration between transitions measured at IC1 pin 13. If waveform not present, IC2 is defective. b. Check for square wave ap- proximately 1-second duration between transitions measured at

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- 12 Connect oscilloscope vertical input to Q3 base: connect oscilloscope ground clip to card pin V. Observe waveform.
- 13 Set SELECTOR switch of test adapter to position 3 (lamp wink).
- 14 Depress TEST pushbutton
- 15 Connect oscilloscope vertical input to IC1 pin 10: connect oscilloscope ground clip to card pin V. Observe waveform.

- Waveform observed should be a series of short pulses lasting for 1 second and occuring every 3 seconds.
- Indicators L10 and L11 should both he on for 0.4 second and wink off for 0.1 second. Proceed with step 14.
- Indicator L10 should be on steady and indicator L1 should be on for 0.4 second, and wink off for 0.1 second. Proceed with step 17.
- Waveform observed should be a 0.1second duration pulse occurring every 0.4 second. Proceed with step 16.

- 16 Connect oscilloscope vertical input to Q9 base, connect oscilloscope ground clip to card pin V. Observe waveform.
- Set SELECTOR switch of test 17 adapter to position 4 (conference
- 18 Depress TEST pushbutton
- 19 Connect oscilloscope vertical input to Q6 base; connect oscilloscope ground clip to card pin V. Observe waveform.
- 20 Connect oscilloscope vertical input to Q7 base, connect oscilloscope ground clip to card pin V. Observe waveform.
- 21 Adjust output of power supply No. 1 to 40 vdc and repeat steps 4 through 18 above, as required.
- 22 Adjust output of power supply No. 1 to 5b vdc and repeat steps 4 through 18 above, as required.
- 23 Remove interrupter card assembly from receptacle J2 of test adapter. Tests are completed.) Disconnect test equipment.

- Waveform observed should be a series of 0.1 second pulses occurring every 0.4 second.
- Indicators L10 and L11 should both be flashing continuously approximately 0.1 second on and 0.1 second off. Proceed with step 18.
- Indicator L10 should be on steady and indicator L11 should be flashing continuously approximately 0.1 second on and 0.1 second off. Proceed with step 21.
- Waveform observed should be a square wave 0.1-second duration between transitions.
- Same as step 19
- Same as corresponding steps above. Proceed with step 22.
- Same as corresponding steps above.

- If waveform not present, R13 open, or Q2 and R10 defective. If waveform is present, Q3 or CR10 is defective.
- Proceed with step 14.
- If performance standard not obtained in steps 13 and 14. proceed with step 15.
- If waveform not present at IC1 pin 10. check the following:
- a. Check for 0.1-second duration Pulse approximately 1 second between pulses measured at IC1 pin 9. If waveform not present, IC3 or CR4 is defective.
- b. Check for 0.1-second duration pulse approx 1 second between pulses measured at IC1 pin 8. If waveform not present, IC3 is defective.
- c. If waveform present in a and b. above, then IC1 is defective.
- If waveform is not present, R4 open, or Q8 and R7 defective. If waveform is present, Q9 or CR7 is defective.
- Proceed with step 18.
- If performance standard not obtained in steps 17 and 18, proceed with step 19.
- If waveform not present, R6 is open, one or more diodes CR2 through CR6 is defective, or IC3 is defective. If waveform is present, proceed with step 20.
- If .waveform not present, Q6, R6, or R8 defective. If waveform is present, Q7 and CR8 is defective.

6-17. Tone Dial Assembly SC-35C3A

a. General. Tone Dial Assembly SC-35C3A is nonrepairable; however, to determine whether or not the assembly is functioning properly, perform the following performance test.

b. Performance Test.

- Connect the test equipment as shown in (1) figure 6-23.
 - Set the power supply for 10 vdc.
 - Hold one of the digit pushbuttons

depressed and adjust the power supply until the multimeter indicates 20 milliamperes. When power supply is adjusted, release pushbutton.

(4) Simultaneously depress and hold the two digit pushbuttons specified in the chart below.

The frequency counter and the ac vtvm must indicate within the ranges specified for each pair of digit pushbuttons. In addition, the difference between the highest and the lowest dbm indication must be less than 2 dbm.

Digit pushbuttons	Frequency range (Hz)	Ac vtvm range (dbm)
1 and 3	695.0 to 699.0	0.1 to -5.1
4 and 6	767.7 to 772.3	0 to -5.0
7 and 9	849.5 to 854.5	+0.3 to -4.7
* and II	938.2 to 943.8	+0.4 to -4.6
1 and 4	1205.4 to 1212.6	+ 1.1 to-3.9
2 and 5	1332.0 to 1340.0	+1.2 to -3.8
3 and 6	1472.6 to 1481.4	+1.3 to -3.7

(5) Turn off and disconnect the test equipment.

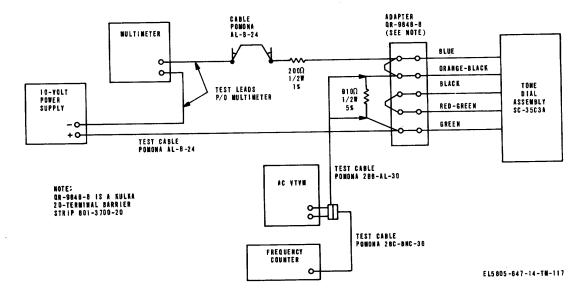


Figure 6-23. Tone Dial Assembly SC-35C3A, performance test setup diagram.

6-18. Amplifier TLC-410

- a. General. Amplifier TLC-410 (fig. FO-10) is non repairable; however, to determine whether or not the amplifier is functioning properly, perform the following performance test:
 - b. Performance Test.
- (1) Connect the test equipment as shown in figure 6-24.
 - (2) Adjust the power supply for 48 vdc.
- (3) Adjust the signal generator for an output of 1, 000 Hz at 3.64 vrms. The ac vtvm must
- indicate 4.0 vrms. If necessary, adjust GAIN _control R1 on the amplifier to provide the required indication on the ac vtvm.
- (4) Without changing the output level of the signal generator, vary the frequency between 200 and 8, 000 Hz. The ac vtvm must remain within \pm 2 db of the 4.0-vrms output level obtained at 1000 Hz.
 - (5) Turn off and disconnect the test equipment.

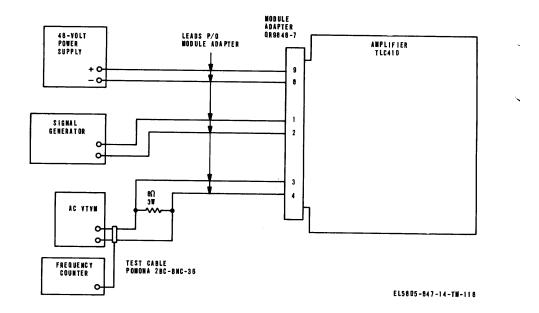
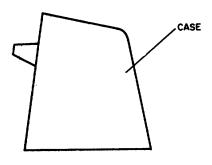


Figure 6-24. Amplifier TLC-410 performance test setup diagram.

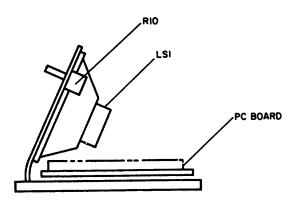
6-19. Speaker Amplifier Unit 65053828

a. General. This paragraph provides preliminary procedures and a chart for performance testing and troubleshooting the speaker

amplifier unit. The schematic diagram of the speaker amplifier unit is shown in figure 4-5 and the parts location diagram is shown in figure 6-25.



A. SIDE VIEW



B. SIDE VIEW (CASE REMOVED)

EL5805-647-14-TM-127 (1)

Figure 6-25. Speaker Amplifier Unit 6505-3828, parts location diagram.

- b. Preliminary Procedure. Before following the instructions in the performance test and troubleshooting chart (c below), perform the following steps:
- (1) Remove speaker case by removing the case mounting screws.
- (2) Connect test equipment as shown in figure 6-26.
- (3) Turn on test equipment and allow ample warm-up time.
 - (4) Adjust power supply fur 48 vdc.

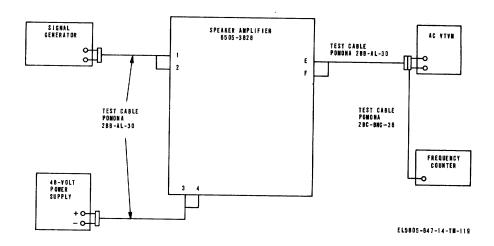


Figure 6-26. Speaker Amplifier Unit 65065-3828, initial test setup diagram.

c. Performance Test and Troubleshooting Chart.

Step	Test Procedure	Performance standard	Corrective action
1 2	Perform preliminary procedure given in b above. Set signal generator for frequency of		
	1, 000 Hz and a level of 30 mv (-28.2 dbm/600 ohm).		
3	Operate VOLUME control on unit under test until performance standard is obtained	1,000 Hz indication on frequency counter and 1.6V (6.6 dbm) indication on ac voltmeter (tone audible over speaker) C6 If 242 volts is not measured, check R1, CR1, CR2, R9, C5, and C6 in the PC card as well as R10 on the speaker frame. Replace defective part. If 24 ' 2 volts is measured, check T1, T2, Q1Q2 and associated circuit parts. Replace part.	If performance standard is normal, proceed to next step If performance standard cannot be obtained, measure dc voltage across
4 <i>a</i>	Check frequency response of speaker amplifier as follows:		
4 <i>b</i>	Adjust signal generator for 300 Hz with a level of 27 m vrms (-29.2 dbm/600 ohm). If necessary, adjust VOLUME control to obtain per- formance standard	Ac voltmeter indicates 1.88vrms (7.6 dbm/600 ohms) to next step; otherwise, check and replace frequency determining components such as capacitors C1 through C4 as well as Q1 and Q2.	If performance standards for step 4b through 4h are normal, proceed
4 <i>c</i>	Set signal generator frequency to 500 Hz and level to 28 m vrms (-28.7 db)m).	Ac voltmeter indicates 2.05 vrms (8.5 dbm)	
4d	Set signal generators frequency to 700 Hz. and level to 29 mvrms (-28.5 dbm).	Ac voltmeter indicates 1.93 vrms (7.9 dbm)	
4 <i>e</i>	Set signal generator frequency to 1.000 Hz and level to 30 m vrms (-28.2 dbm).	Ac voltmeter indicates 1.6 vrms (6.6. dbm).	

- 4f Set signal generator frequency to 2.000 Hz and level to 30 m vrms (-28.2 dbm).
- 4g Set signal generator frequency to 3.500 Hz and level to 30 mvrms (-28.2 dbm).
- 4h Set signal generator frequency to 5.000 Hz and level to 30 myrrns (-28.2 dbm).
- 5 Turn off and then disconnect test equipment

- Ac voltmeter indicates 0.98 vrms 12.1 dbm
- Ac voltmeter indicates 0.56 vrms (-2.8 dbm)
- Ac voltmeter indicates 0.39 vrms (-5.6 dbm(

6-20. Rotary Dial GB982

- a. General. Rotary Dial GB982 is nonrepairable; however, to determine whether or not the rotary dial is functioning properly, perform the following performance test:
 - b. Performance Test.
- (1) Connect the test equipment as shown in figure 6-27.
 - (2) Adjust the power supply for 10 vdc.
- (3) Adjust the trigger control of the oscilloscope so that the sweep starts at the beginning of the first break pulse from the dial and adjust the time base so that the tenth pulse from the dial occurs just before the end of the horizontal sweep period.

(4) Dial digit 0; repeat as necessary. From the oscilloscope, calculate the rate of the pulses.

The pulse rate must be between 9 and 11 pulses per second.

- (5) Dial a digit to provide a pulses train on the oscilloscope; repeat as necessary. Adjust the time base of the oscilloscope so that the pulse break period can conveniently be measured. The pulse break period must be 65.5 t 4 percent of one pulse duration.
 - (6) Turn off and disconnect the test equipment.

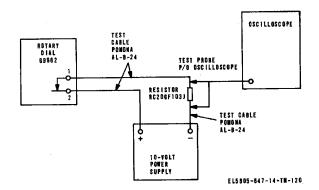


Figure 6-27. Rotary Dial GB982, performance-test setup diagram.

6-21. Key Assembly 703016-509, 703016-510, and 703016-11

a. General. Key assemblies are nonrepairable; however, to determine whether or not the key assemblies are functioning properly, perform the following performance test:

b. Performance Test.

(1) Use schematic diagram of the appropriate key assembly which is included in figure FO-1, FO-3, FO-4, or FO-5 to identify the pin numbers associated with each set of contacts and each lamp.

- (2) In turn, depress each key and measure continuity across each set of contacts with a multimeter. Verify results of test with appropriate schematic diagram.
- (3) Using the multimeter, measure the resistance across each lamp. The resistance must be 157 + 25 ohms.

6-22. Network Assembly QNB3A4

a. General. Network Assembly QNB3A4 is nonrepairable; however, to determine whether or

not the network is functioning properly, perform the following performance test.

b. Performance Test. In turn, connect the test leads of the impedance bridge between the terminals specified in the first column of the following chart. Insure that the observed indication is within the limits specified in the performance standard column; otherwise, the network assembly is defective. The third, column gives the part of the network that is tested.

Terminals Perforr	ance standard Part tested
-------------------	---------------------------

E 100	0.40 / 0.405 / /	- 9.
F and RR .	0.10 to 0.185 μfd	Filter capacitor
A and K	0.38 to 0.52μfd	Ringer capacitor
C and R	Greater than 4700 ohms	V1 and filter resistor
B and C	35.1 to 42.9 ohms	TA2 winding and resistor
R and GN	74.3 to 90.7 ohms .	TC winding and resistor
R and RR	12.1 to 14.9 ohms	TA1 winding
C and junction of network capacitors	28.8 and 35.2 ohms	TA2 and TB windings
B and junction of network capacitors	33.3.and 40.7 ohms	TB winding and resistor
R and junction of network capacitors	Greater than 1600 ohms	V2
NOTE		
For next step, remove connections		
from network capacitors to V2 and		
TB winding.		
R and junction of network capacitors	2.4 to 3.0 μ/fd	Network capacitors

6-54

CHAPTER 7

SHIPMENT AND LIMITED STORAGE AND

DEMOLITION TO PREVENT ENEMY USE

7-1. Repackaging

Repackaging of the equipment for shipment or limited storage normally will be performed at a repackaging facility or by a repackaging team. Should emergency packaging be required, select the materials from those listed in SB 38-100, Preservation, Packaging, and Packing Materials, Supplies, and Equipment used by the Army. Package the equipment in accordance with the original packaging, so far as possible, with the available materials.

7-2. Authority for Demolition

Demolition of the equipment will be accomplished only upon order of the commander. Use the destruction procedures outlined in paragraph 7-3 to prevent further use of the equipment.

7-3. Methods of Destruction

Destruction of equipment, spare parts, and manuals to prevent capture or abandonment to the enemy is accomplished by using tools, equipment, and explosives normally available. Priority should be given to the destruction of all

plug-in circuit cards. Cabling, connectors and hardware should then be destroyed as time permits.

- a. Smash. Smash all printed circuit cards.
- b. Cut. Cut all cables and wiring.

WARNING

Be extremely careful when handling explosives and incendiary devices. Use these items only when the need is urgent.

- c. Burn. Burn printed circuit cards, wiring diagrams, and technical manuals.
- d. Bend. Bend panels, hardware, and the equipment assembly.
 - e. Explode. Use explosives if necessary.
- *f. Dispose.* Bury or scatter the destroyed parts in slit trenches or foxholes, or throw them into streams.

7-4. Reporting

Report all destruction of equipment in accordance with established priorities and through established command channels.

APPENDIX A

REFERENCES

The following publications contain information applicable to the operation and maintenance of the equipment.

DA Pam 310-4	Index of Technical Manuals, Technical Bulletins, Supply Manuals (types 7, 8, and 9), Supply Bulletins, and Lubrication Orders.
DA Pam 310-7	U.S. Army Equipment Index of Modification Work Orders.
SB 38-100	Preservation, Packaging, Packing and Marking Materials, Supplies and Equipment Used by the Army.
TB SIG 222	Solder and Soldering.
TB SIG 355-1	Depot Inspection Standard for Repaired Signal Equipment.
TB SIG 355-2	Depot Inspection Standard for Refinishing Repaired Signal Equipment.
TB SIG 355-3	Depot Inspection Standard for Moisture and Fungus Resistant Treatment.
TB 746-10	Field Instructions for Painting and Preserving Electronics Command Equipment.
TM 38-750	The Army Maintenance Management System (TAMMS).
TM 740-90-1	Administrative Storage of Equipment.

APPENDIX B

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT,

AND GENERAL SUPPORT MAINTENANCE

REPAIR PARTS AND SPECIAL TOOLS LISTS

(INCLUDING DEPOT MAINTENANCE REPAIR PARTS

AND SPECIAL TOOLS)

Section I. INTRODUCTION

B-1. Scope

This manual lists repair parts required for the performance of organizational, direct support, general support, and depot maintenance of Order Wire Intercommunication Termination Units TA918 (V) ()/FSC, Order Wire Intercommunication Termination Units TA-930(V) ()/FSC, Express Link-Local Order Wire Unit TA-928/FSC, Express-Link-Local Order Wire Unit TA923/FSC, Link Order Wire Unit TA-925/FSC, Remote Link Order Wire Unit TA-924/FSC, Local Order Wire Unit 41010-97, Conference Bridges, Telephone TA-920(V) ()/FSC, and Jack and Lamp Panel JLP-1.

B-2. General

This Basic Issue Items, Items Troop Installed or Authorized, Repair Parts, and Special Tools List is divided into the following sections:

- a. Basic Issue Items List-Section II. Not applicable.
- b. Items Troop Installed or Authorized List Section III. Not applicable.
- c. Organizational Maintenance Repair Parts List-Sections IV, IX, XIV, XIX, XXIV, XXIX, XXXIV, XXXIX, and XLVII. A list of repair parts authorized at the organizational level for the performance of maintenance. The list also includes parts which must be removed for the replacement of the authorized parts. Parts lists are composed of functional groups in ascending numerical sequence.
- d. Special Tools List-Sections V, X, XV, XX, XXV, XXX, XXXV, XL, and XLVIII. Not applicable.
 - e. Repair Parts for Direct Support, General

Support, and Depot Maintenance-Sections VI, XI, XVI, XXI, XXVI, XXXI, XXXI, XXXVI, XLI, XLIV, and XLIX. A list of repair parts authorized at the direct support, general support, and depot levels for the performance of maintenance. The list also includes parts which must be removed for the replacement of the authorized parts. Parts lists are composed of functional groups in ascending numerical sequence.

- f. Special Tools List-Sections VII, XII, XVII, XXII, XXVII, XXXII, XXXVII, XLV, and L. Not applicable.
- g. Federal Stock Number and Reference Number Index-Sections VIII, XIII, XVIII, XXIII, XXVIII, XXXIII, XXXIII, XXXIII, XXXIII, XXXVIII, XXXIII, XXXIIII, XXXIII, XXXIII

B-3. Explanation of Columns

The following provides an explanation of columns found in the tabular listings.

- a. Source, Maintenance, and Recoverability Codes (SMR).
- (1) Source code. Source codes are assigned to support item to indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

<u> </u>	
Code	Definition

- PA -Item procured and stocked for anticipated or known usage.
- PB -Item procured and stocked for insurance purposes because essentiality dictates that a minimum quantity be available in the supply systems.
- PC -Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
- PD -Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.
- PE -Support equipment procured and stocked for initial issue or out-fitting to specified maintenance repair activities.
- PF -Support' equipment which will not be stocked but which will be centrally procured on demand.
- PG -Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which, because of probable discontinuance or shutdown of production facilities, would prove uneconomical to reproduce at a later time.
- KD An item of depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
- KF -An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or intermediate levels of maintenance.
- KB -Item included in both a depot overhaul/repair kit and a maintenance kit.
- MO -Item to be manufactured or fabricated at organizational level.
- MF -Item to be manufactured or fabricated at direct support maintenance level.
- MH -Item to be manufactured or fabricated at general support maintenance level.
- MD -Item to be manufactured or fabricated at depot maintenance level.
- AO -Item to be assembled at organizational level.
- AF -Item to be assembled at direct support maintenance level.

Code Definition

- AH -Item to be assembled at general support maintenance level.
- AD -Item to be assembled at depot maintenance level.
- A -Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
- XB -Item is not procured or stocked. If not available through salvage requisition.
- XD -Support item that is not stocked. When required, item will be procured through normal supply channels.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA, Xd, and aircraft support items as restricted by AR 700-42.

- (2) Maintenance code. Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:
- (a) The maintenance code entered in the third position indicates the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position indicates one of the following levels of maintenance.

Code Application/ Explanation

- C -Crew or operator maintenance performed within organizational maintenance.
- O -Support item is removed, replaced, used at the organizational level.
- I -Support item is removed, replaced, used by the direct support element of integrated direct support maintenance.
- F -Support item is removed, replaced, used at the direct support level.
- H -Support item is removed, replaced, used at the general support level.
- Support items that are removed, replaced, used at depot, mobile depot, specialized repair activity only.

NOTE

Codes "I" and "F" will be considered the same by direct support units.

(b) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions).

This position will contain one of the following maintenance codes:

Code Application/ Explanation

- O -The lowest maintenance level capable of complete repair of the support item is the organizational level.
- F -The lowest maintenance level capable of complete repair of the support item is direct support level.
- H -The lowest maintenance level capable of complete repair of the support item is general support level.
- The lowest maintenance level capable of complete repair of the support item is the depot level, performed by Lexington Army Depot.
- Repair restricted to designated specialized repair activity.
- Z -Nonreparable. No repair is authorized.
- B -No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special tools are procured for the maintenance of this item.
- (3) Recoverability code. Recoverability codes are assigned to support items to indicate the dispostion action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

Recoverability

Code Definition

- Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position three.
- O -Reparable Item. When uneconomically reparable, condemn and dispose at organizational level.
- F -Reparable item. When uneconomically reparable, condemn and dispose at the direct support level.
- H -Reparable item. When uneconomically reparable, condemn and dispose at the general support level.
- Parable item. When beyond lower level repair capability return to depot.
 Condemnation and disposal not authorized below depot level.
- Reparable item. Repair, condemnation, and disposal not authorized below depot/specialized repair activity level.
- A -Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material). Refer to appropriate manual/directive for specific instructions.

b. Federal Stock Number. Indicates the Federal stock number assigned to the item.

NOTE

For requisitioning purposes, the Federal stock number must be converted to the National stock number by adding "-00-" after the Federal stock classification (FSC) code (first four digits). For example, FSN 6625-553-0142 converts to NSN 6625-00-553-0142.

- c. Description. Indicates the Federal item name and a minimum description required to identify the item. The last line indicates the reference number, followed by the applicable Federal Supply Code for Manufacturer (FSCM) in parentheses. The FSCM is used as an element in item identification to designate manufacturer or distributor or Government agency, etc., and is identified in SB 708-42.
- d. Unit of Measure (U/M). Indicates the standard or basic quantity by which the listed item is used in performing the actual maintenance function. This measure is expressed by a two character alphabetic abbreviation, e.g., ea., in., pr, etc. When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.
- e. Quantity Incorporated in Unit. Indicates the quantity of the item used in the breakout shown on the illustration figure which is prepared for a functional group, sub-functional group, or an assembly.
 - f. 15-Day Organizational Maintenance Allowances.
- (1) The repair parts indicated by an asterisk in the allowance columns represent those authorized for use at the organizational category, and will be requisitioned on an "as required" basis, until stockage is based on demand in accordance with AR 710-2.
- (2) Major Army commanders authorized to approve reduction in the range of support items authorized for use in units within their commands. Recommendations for increase in range of items authorized for use will be forwarded to Commander, US Army Electronics Command, ATTN: AMSEL-MA-C, Fort Monmouth, NY 07703.
- g. 30-Day DS/ GS Maintenance Allowances. The repair parts indicated by asterisk entries in separate allowance columns for DS and GS represent those authorized for use at that category of maintenance to be requisitioned on an "as required" basis, until stockage is based on demand in accordance with AR 710-2.

- h. 1-Year Allowances Per 100 Equipment/Contingency Planning Purposes. Column intentionally left blank.
- i. Depot Maintenance Allowance Per 100 Equipment. This column indicates that the items identified with an asterisk ar6 authorized to be requisitioned as required.
 - i. Illustration. This column is divided as follows:
- (1) Figure number. Indicates the figure number of the illustration on which the item is shown.
- (2) *Item number*. Indicates the callout number used to reference the item on the illustration.

B4. Special Information

(Not applicable).

B-5. How to Locate Repair Parts

- a. When Federal stock number or reference number is unknown:
- (1) First. Using the table of contents determine the functional group within which the repair part belongs. This is necessary since illustrations are prepared for functional groups, and listings are divided into the same groups.
 - (2) Second. Find the illustration covering

the functional group to which the repair part belongs.

- (3) *Third*. Identify the repair part on the illustration and note the illustration figure and item number of the repair part.
- (4) Fourth. Using the Repair Parts Listing, find the functional group to which the repair part belongs and locate the illustration figure and item number noted on the illustration.
- b. When Federal stock number or reference number is known:
- (1) First. Using the Index of Federal Stock Numbers and Reference Numbers, find the pertinent Federal Stock number or reference number. This index is in ascending FSN sequence, followed by a list of reference numbers in ascending alphanumeric sequence, cross referenced to the illustration figure number and item number.
- (2) Second. Using the Repair Parts Listing, find the functional group of the repair part and the illustration figure number and item number referenced in the Index of Federal Stock Numbers and Reference Numbers.

B-6. Abbreviations

(Not applicable).

(Next printed page is B5)

SECTION IV TM 11-5805-647-14

			(4)	(5)	15 D	(6) AY ORGA	NIZATION	NAL	ILLUSTI	7) RATIONS
(2) FEDERAL	DESCRIPTION	IICE	ᇤ	C.	1	AINT. ALV		(d)	(a)	(b) REF./ITEM
NUMBER	REF. NUMBER MFR. CODE	ON	JNIT OI MEASU	ATY. IN N UNIT				11-100 (E	NUMBER	NUMBER
	(WFR. PARTINO.)	CODE				9		22		
	GROUP 01 O/W UNIT, EXPRESS-LINK-LOCAL TA-923/FSC									
5805-269-0027	O/W UNIT, EXP-LK-LCL TA-923/FSC 6505-3821 (468591		EA	1	*	*	*	*		
	GROUP 01010203 KEY ASSEMBLY									
6240-115-5042	LAMP INCANDESCENT 24CSB (58854)		EA	6	*	*	*	*	3	2
6240-115-5042	GROUP 01010204 KEY ASSEMBLY LAMP, INCANDESCENT 24CSB (58854)		EA	6	*	*	*	*	3	2
	GROUP 0103 HANDSET HANDSET NC1800-03G3AR15T4 (97101	E	A	1	*	*	*	* .	1	В
	GROUP 0104 HEADSET HEADSET 1574-5 (97101)	E	Α	1	*	*	*	* !	5 1	
	STOCK NUMBER 5805-269-0027 6240-115-5042	STOCK NUMBER REF. NUMBER MFR. CODE (MFR. PART NO.) GROUP 01 O/W UNIT, EXPRESS-LINK-LOCAL TA-923/FSC 5805-269-0027 O/W UNIT, EXP-LK-LCL TA-923/FSC 6505-3821 (468591 GROUP 01010203 KEY ASSEMBLY 6240-115-5042 LAMP INCANDESCENT 24CSB (58854) GROUP 01010204 KEY ASSEMBLY LAMP, INCANDESCENT 24CSB (58854) GROUP 0103 HANDSET HANDSET NC1800-03G3AR15T4 (97101 GROUP 0104 HEADSET	STOCK NUMBER REF. NUMBER MFR. CODE	STOCK NUMBER NUMBER MFR. CODE ON CODE	STOCK NUMBER REF. NUMBER MFR. CODE (MFR. PART NO.) GROUP 01 OW UNIT, EXPRESS-LINK-LOCAL TA-923/FSC 5805-269-0027 OW UNIT, EXP-LK-LCL TA-923/FSC 6505-3821 (466591 GROUP 01010203 KEY ASSEMBLY 6240-115-5042 LAMP INCANDESCENT 24CSB (58654) GROUP 01010204 KEY ASSEMBLY LAMP, INCANDESCENT 24CSB (58654) GROUP 0103 HANDSET NC1800-0353AR15T4 (97101 GROUP 0104 HEADSET HEADSET 1574-5 (97101) EA 1 1 1 1 1 1 1 1 1 1 1 1 1	STOCK NUMBER REF. NUMBER MFR. CODE (MFR. PART NO.) NO. NO	STOCK NUMBER NUMBER MFR. CODE NUMBER NUM	STOCK NUMBER No. No. No. Number No. Number Number	STOCK NUMBER MFR. CODE (MFR. PART NO.) GROUP 01 O/W UNIT, EXP-IK-ILCL TA-923/FSC O/W UNIT, EXP-IK-	STOCK NUMBER NUMBER MFR. CODE

B-5

REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

SECTION VI

(1) CODE	(2)	(3)	(4)	(5)		30 E	DAY MA	INT. AI	_W.		1 YR. ALW. PER 100 EQUIP. © CONTGCY	(9)	(1 ILLUSTR	
SOURCE CODE MAINT (CODE CODE	FEDERAL STOCK	DESCRIPTION USE	;;	نی		(6) DS	-		(7) GS		LW. OEQL	DEPOT MAINT ALW PER 100 EQUIP	(a) FIGURE	(b) REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE ON	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	R. A R. 10 NTG	POT W. P 0 EQ	NUMBER	NUMBER
		(MFR. PART NO.) CODE	5 5 5	₽≥	1-20	21-50	51-100	1-20	21-50	51-100	LES	AL AL 10		
		GROUP 01 O/W UNIT, EXP-LK-LCL TA-923/FSC												
	5805-269-3027	O/W UNIT, EXP-LK-LCL TA-923/FSC 6505-3821 (46859)												
AFFFH		GROUP 0101 CALL DIRECTOR ASSEMBLY CALL DIRECTOR ASSEMBLY 6505-3836 (46859)	EA	1										
		GROUP 010101 SF OSCILLATOR-BUZZER ASSEMBLY												
PAFHH		SIGNALING FREQ OSCILLATOR 6505-3834 (46859)	EA	1	*	*	*	*	*	*		*	1	1
		GROUP 01010101 SF OSCILLATOR												
AFFFH	5895-173-7025	OSCILLATOR ASSEMBLY 49009-01 (51504)	EA	1				*	*	*		*	1	2
PAHZZ	5905-114-3711	RESISTOR, FIXED, COMPOSITION RCR07G472JS (81349)	EA	3				*	*	*		*	1	3
PAHZZ	59a5-104-8364	RESISTOR, FIXED, COMPOSITION	EA	1				*	*	*		*	1	4
PAHZZ	5961-226-8584	RCR07G125JS (81349) TRANSISTOR	EA	4				*	*	*		*	1	5
PAHZZ	5910-435-3856	2N2222 (81349) CAPACITOR, FIXED, PLASTIC D01	EA	1				*	*	*		*	1	6
PAHZZ	5905-110-Z388	1MDF1-103 (72136) RESISTOR, FIXED COMPOSITION	EA	3				*	*	*		*	1	7
PAHZZ	5905-110-7672	RCR07G104JS (813493 RESISTOR, FIXED, COMPOSITION	EA	1				*	*	*		*	1	8
PAHZZ	5905-116-3555	RCR07G682JS (81349) RESISTOR, FIXED, COMPOSITION	EA	2				*	*	*		*	1	9
PAHZZ		RCR07G153JS (81349) CAPACITOR, FIXED, ELECTROLYTIC	EA	1				*	*	*		*	1	10
PAHZZ	5905-106-3666	0437ARG100 (K0004) RESISTOR, FIXED COMPOSITION	EA	1				*	*	*		*	1	11
		RCR07G103JS (81349)		B-6										

SECTION VI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE TA-923/FSC

	ECTION VI		01 1 01	•		(5) (8) (8) (8) (2) (A) DAY MAINT. ALW.								(9) (10)		
SOURCE CODE MAINT. (3) CODE REC. CODE	(2)	(3)		(4)	(5)		3U L	1Δ∨ Μ Λ	INT AI	w					O) RATIONS	
Smain	FEDERAL	DESCRIPTION						7.K.I. IVIP	MINI. AL			遺	<u> </u>		(b)	
	STOCK	DESCRIFTION	USE	. 2	ان. ان		(6) DS			GS		1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	(a) FIGURE	REF./ITEM	
100506	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1914	덛딭ם	NUMBER	NUMBER	
	NOWIDER		CODE	Ξã	LαΩ	(a) 1-20	(b) 21-50	51-100	(a) 1-20	21-50	51-100	‱#\\	등록은	NOWIDER	NOWDER	
		(WITK, TAKT NO.)	CODL			1-20	21-30	31-100	1-20	21-30	31-100	150				
PAHZZ	5905-111-1678	RESISTOR FIXED, COMPOSITION		EA	1				*	*	*		*	1	12	
		RCR07G564JS (81349)												-		
PAHZZ	5961-232-3017	SEMICONDUCTOR DEVICE, DIODE		EA	2				+	*	*		*	1	13	
DALIZZ	5004 000 4405	1N5242 (047131		_^					*	*	*		*	_		
PAHZZ	5961-938-1135	SEMICONDUCTOR DEVICE, DIODE 1N4148 (81349)		EA	2									1	14	
PAHZZ	5905-119-3504	RESISTOR, FIXED, COMPOSITION		EA	4				*	*	*		*	1	15	
		RCR07G273J5 (813491		_, .	·											
PAHZZ	5961-913-1747	TRANSISTOR		EA	1	*			*	*	*		*	1	16	
		2N2907 (81349)				*			*	*	*					
PAHZZ	5961-054-4191	TRANSISTOR		EA	1	*			*	*	*		*	1	17	
PAHZZ	5905-504-7058	40347 (02735) RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	1	18	
I Alizz	13903-304-7030	RCR42G681JS (81349)		LA	!									'	10	
PAHZZ	5905-141-1183	RESISTOR, FIXED, COMPOSITION		EA	2	*			*	*	*		*	1	19	
		RCROT7GCIJS (81349)														
PAHZZ	5905-111-4858	RESISTOR, FIXED, COMPOSITION		EA	1	*			*	*	*		*	1	20	
DALIZZ	5040 004 5445	RCR2OG47tJS (81349t		_^	1	*			*	*	*		*	_	04	
PAHZZ	5910-224-5115	CAPACITOR, FIXED ELECTROLYTIC K1R8C28K (31433)		EA	1	"					,			1	21	
PAHZZ	5950-930-4451	TRANSFORMER, POWER		EA	1				*	*	*		*	1	22	
		124-5K (7C674)		_, .	,											
PAHZZ		TERMINAL, LÚG		EA	5	*			*	*	*		*	1	23	
		2000CI (15849)							*		*					
PAHZZ	5910-267-27C6	CAPACITOR, FIXED, PLASTIC HRO-1UFIOPCT160VDCW (082571		EA	1				*	*	*		*	1	24	
PAHZZ	5905-238-5828	RESISTOR, VARIABLE		EA	1	*			*	*	*		*	1	25	
	0000-200-0020	335gwN-t03 (83294)		LA	'									'	23	
PAHZZ 59	10-068-3887	CAPACITOR, FIXED, MICA DI		EA	1				*	*	*		*	1	26	
		COIJFDItOIK3 (14655)														
PAHZZ 59	05-105-7765	RESISTOR, FIXED, COMPOSITION		EA	1	*			*	*	*		*	1	27	
DALIZZ 50	50 000 7000	RCR07G224JS (81349)		_^	1				*	*			*] ,	20	
PAHZZ 59	50-236-7096	INDUCTOR 083A027 (515s4)		EA	1				-				-	1	28	
		0000027 (01004)														
					L _											
					B-7											

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SECTION VI REPAIR PARTS FOR DIRECT SUPPORT. GENERAL SUPPORT AND DEPOT MAINTENANCE

<u> </u>	ECTION VI	(3) (4) (5) (8) (9) (10)													
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)		00.5	/		187					
ᆝᇐᇜᆂᇜᄋᇰ	FEDERAL	DECODIDATION						JAY IVIA	AINT. AI			1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.		RATIONS
	FEDERAL	DESCRIPTION	шог	ايرا	یز		(6)			(7)		×ü≻	MA:RM ■	(a)	(b)
NOSOR		DEE NUMBER MED CORE	USE	UNIT OF MEASURE	QTY. INCL. IN UNIT		DS			GS		<u> 독</u> 원된	DT.	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	EA	<u> </u>	(a)	(b)	(c)	(a)	(b)	(c)	SHS	LW 00 E	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	⊃≥	0≥	1-20	21-50	51-100	1-20	21-50	51-100	+ - □ ⊃	Δ 4 Γ		
DA1177	5040 075 0507	CARACITOR FIVER BLACTIC BI		_,					*	*	*				
PAHZZ	591C-275-6507	CAPACITOR, FIXED, PLASTIC DI 611-13GOPF2-5PCT33V (266253		EA	1				*	*	*		*	1	29
PAHZZ	591C-283-5664	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	l ₁	30
	00.0 200 000.	611-820PF2-5PCT33V (26625)		-/:	,										
PAHZZ	5905-141-0717	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	1	31
		RCR07G473JS (81349)													
		GROUP 01010102													
		BUZZER													
		BOZZER													
PAFZZ	6350-239-5581	BUZZER		EA	1	*	*	*	*	*	*		*	1	32
		SCZ4 (37942)													
		GROUP 010102													
		CALL DIRECTOR													
		CALL DIRECTOR													
AFFFH		TELEPHONE SWITCHBOARD		EA	1								*	2	1
		703 16-158 (789571					*								
PAFZZ	5940-262-2228	TERMINAL BOARD		EA	1	*	*	*	*	*	*		*	2	2
PAHZZ	5905-119-8811	703016-640 (78957) RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	2	зА
I Allee	0000 110 0011	RCR32G151JS (81349)			'									_	5A
PAFZZ		CAPACITOR, FIXED, ELECTROLYTIC		EA	1	*	*	*	*	*	*		*	2	3
		TTIOGX2 (91201)													
PAFZZ	5940-941-0201	TERMINAL, LUG		EA 9	9	*	*	*	*	*	*		*	2	4
PAFZZ	5935-240-5760	41566-000 (78957) CONNECTOR, PLUG, ELECTRICAL		EA	5	*	*	*	*	*	*		*	2	5
1 71 22	3933-240-3700	304145-271 (789573			J									_	J
PAFZZ	5935-003-7711	CONNECTOR, PLUG, ELECTRICAL		EA	5	*	*	*	*	*	*		*	2	6
		304146-874 (789571													
PAFZZ	5910-880-2938	SEMICONO DEVICE, DIODE		Ea	1	*	*	*	*	*	*		*	2	7
PAHZZ	5905-106-3666	IN4D13 (04713) RESISTOR FIXED, COMPOSITION		EAI	1				*	*	*		*	_	
FAML	3905-100-3000	RESISTOR FIXED, COMPOSITION RCN37GIC3JS (81349			'									2	8
PAFZZ		RESISTOR, FIXED, COMPOSITION		EA	1	*	*	*		*	*		*	2	9
		RCR42G2)2JS (P1349)											
PAHZZ	5961-184-7475	SEMICONDUCTOR		ĒΑ	1				*	*	*		*	2	10
		1N5359 (04713)											
					D 0										
					B-8										

TM 11-5805-647-14 TA-923/FSC

S	ECTION VI	REPAIR PARTS FOR DIRECT SUPPOR	RT, GE	NERAL S	SUPPORT AND DEPOT MAINTENANCE

	ECTION VI	REPAIR PARTS FOR DIRECT	301101			OFF	<u> </u>	ם שוו	<u> </u>	IAITAIIA				1 A-923/FSC	
l ⁽¹⁾ 삙	(2)	(3)		(4)	(5)							(8)	(9)		0)
岌⊢잉							30 L	DAY MA	AINT. AI	LW.		≧	Ė.	ILLUSTF	
SOURCE CODE MAINT. (1) CODE REC. CODE	FEDERAL	DESCRIPTION		ш	نـ		(6)			(7)		×ã≻	<u>₹</u> ~₫	(a)	(b)
%Ω ≥ Ω <u>%</u>			USE	유용	2≥		DS			GS		AP SC SC	T PE	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	l ĕs	≍S	(a)	(b)	(c)	(a)	(b)	(c)	5.27 F	e ×i	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	UNIT OF MEASURE	QTY, INCL. IN UNIT	1-20	21-50	51-100	1-20	21-50	51-100	1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.		
PAHZZ	5905-119-3811	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	2	11
		RCR3ZG151JS (81349)													
XBHZZ		BEZEL, INSTRUMENT MOUNTING		EA	1										
		P11E903 (1T794)													
XBHZZ		BRACKET ANGLE		EA	1										
VENIZZ		703016-637 (78957)		_,											
XBNZZ		BRACKET, ANGLE		EA	1										
XBHZZ		703016-756 (78957) CABINET, ELECTRICAL EQUIPMENT		EA	1										
ADUZZ		P96X460 (78957)		EA	ı										
HFFZZ		CABLE ASSEMBLY		EA	1										
' ' ' ' '		703306-897 (78957)													
PAFZZ	5305-057-35P9	SCREW, MACHINE		EA	10	*	*	*	*	*	*		*		
		MS51958-12 (96906)'													
PAFZZ	5305-763-7827	SCREW MACHINE		EA	5	*	*	*	*	*	*		*		
		MS51959-18 (96906)													
XBFZZ		HOOD, CONNECTOR		EA	5										
VDE77		304146-863 (78957)		_,	0.4										
XBFZZ		TERMINAL, LUG		EA	21										
XBFZZ		701019-933 (78957) FACEMAT		EA	1										
ABIZZ		703016-215 (78957)			1										
XBFZZ		PANEL, MOUNTING		EA	1										
		P894824 (1794)													
XBFZZ		TERMINAL, LUG		EA	2										
		13-108S (72653)													
		GROUP 01010201					*							_	
PAFZZ		NETWORK		EA	1	*	*	*	*	*	*		*	2	12
		O4N3A4 (C1794)													
		GROUP 01010202													
		DIAL A88EMBLY													
		DIVE VOCEMBET													
PAFZZ	5835-25P-584	DIAL ASSEMBLY, PUSH BUTTON		EA	1	*	*	*	*	*	*		*	2	13
201054-2?		,		'	•										-
	, ,														

TM 11-5805-647-14

s	ECTION VI	REPAIR PARTS FOR DIRECT S	SUPPOR	RT. GE	NERAL S	SUPPO	ORT A	ND D	EPOT	MAIN	ITEN <i>A</i>	NCE		TA-923/FSC	
SOURCE CODE MAINT. (5) CODE REC. CODE	(2)	(3)		(4)	(5)							l (8)	(9)	(1	0)
5 <u> </u> 8							30 E	DAY MA	AINT. A	LW.		≝	<u> </u>	ILLUSTF	
	FEDERAL	DESCRIPTION	нег	ש	بر		(6)		1	(7)		≥Ö≿	FINE F	(a)	(b)
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	STOCK Number	REF. NUMBER MFR. CODE	USE On	P.S.	Ĭ	()	DS		.	GS	Ι ,,	로 플 플 플 플 플 플 플 플 플 플 플 플 플 플 플 플 플 플 플		FIGURE Number	REF./ITEM Number
	NOWIDER	(MFR. PART NO.)	CODE	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100	1 YR. ALW. PER 100 EQUIP. S CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	NOWBER	NOWIDER
		(WITK: TAKTINO.)	OODL			1-20	21-30	31-100	1-20	21-30	31-100	`			
PAFZZ		PUSHBUTTON		EA	1	*	*	*	*	*	*		*	2	14
		303947-421 (78957)		l		*	*	*	*	*	*		*		
PAFZZ		PUSHBUTTON 303941-421 (78957)		EA	1	*	*	*	*	*	*		*	2	15
PAFZZ		PUSHBUTTON		EA	1	*	*	*	*	*	*		*	2	16
l		303941-121 (789571									l .				
PAFZZ		PUSHBUTTON 303941-521 (789571		EA *	1	*	*	*	*	*	*		*	2	17
PAFZZ		PUSHBUTTON		EA	1	*	*	*	*	*	*		*	2	18
		30394t-321 (78957.													
PAFZZ		PUSHBUTTON 303947-321 (78957)		EA	1	*	*	*	*	*	*		*	2	19
PAFZZ		PUSHBUTTON		l _{EA}	1	*	*	*	*	*	*		*	2	20
		303941-221 (78957)			-										
PAFZZ		PUSHBUTTON		EA	1	*	*	*	*	*	*		*	2	21
PAFZZ		303940-921 (789573 PUSHBUTTON		l _{EA}	1	*	*	*	*	*	*		*	2	22
		303940-821 (789573			·									-	
PAFZZ		PUSHBUTTON		EA	1	*	*	*	*	*	*		*	2	23
PAFZZ		30394D-321 (78957) PUSHBUTTON		l _{EA}	1	*	*	*	*	*	*		*	2	24
		303940-621 (789573		-/`	· ·									_	
PAFZZ		PUSHBUTTON		EA	1	*	*	*	*	*	*		*	2	25
XAFZZ		303940-721 (789575 BAR, ACTUATOR. ELECTRICAL SWITCH		l _{EA}	1										
		303940-499 (78957)		-/`											
XAFZZ		BRACKET, ANGLE		EA	1										
XAFZZ		303940-5IC (7(957) CIRCUIT CARD ASSEMBLY		l _{EA}	4										
7011 22		255005-199 (7957)													
XAFZZ		SCREW, MACHINE		EA	2										
X4FZZ	5305-770-2533	304397-241 (78957) SCREW, MACHINE		l EA	2										
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0000-770-2000	M551959-13 (96906)		-^											
		, , ,													
				l .	2.10							I			

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SECTION VI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

	ECTION VI	REPAIR PARTS FOR DIREC	JI SUPPUR			UPP	JK I A	ט טא	EPUI	WAIN	IIENA			1 A-923/FSC	
SOURCE CODE MAINT. (1) CODE	(2)	(3)		(4)	(5)							(8)	(9)		0)
5,⊢5							30 L	DAY MA	INT. A	LW.		₽	Ė.	ILLUSTE	RATIONS
	FEDERAL	DESCRIPTION		ш	تـ ا		(6)			(7)		×ã≻	~ 집	(a)	(b)
% % ≥ % E	STOCK		USE	UNIT OF MEASURE	QTY. INCL. IN UNIT		DS			GS		1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP.	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	∐ ¥S	<u>-:</u>	(a)	(b)	(c)	(a)	(b)	(c)	5.2 F.	G.×.ii	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	NE	5≥	1-20	21-50	51-100	1-20	21-50	51-100	1 Y PE CO	DE AL 10		
XAFZZ		CAPACITOR, FIXED, CERAMIC DI		EA	1 1										
		202907-035 (78957)													
XAFZZ	5910-071-99CS	CAPACITOR, FIXED, PLASTIC DI		EΑ	2										'
		202907-025 (78957)													
XAFZZ	5970-930-9885	INSULATOR, TRANSISTOR		EA	1										
1	l	3500&2-789 (78957)													
XAFZZ	5950-997-5224	OSCILLATOR ASSEMBLY		EA	1										
XAFZZ	5950-997-6302	202906-282 (78957)		EA	1										
AAFZZ	0900-997-0302	OSCILLATOR ASSEMBLY 202906-292 (78957)		EA	'										
XAFZZ		PRINTED WIRING BOARD		EA	1 1										
70 11 22		302106-455 (78957)			· '										
XAFZZ	5905-111-1679	RESISTOR, FIXED, COMPOSITION		EA	1 1										
		RCR37G512JS (81349)													
XAFZZ	5905-119-8768	RESISTOR, FIXED, COMPOSITION		EA	1										
		RCR07G21JS (81349)													
XAFZZ		RESISTOR FIXED FILM		EA	1										
\ \ A F 7 7		RN7OC45R30S (81349)		_,											
XAFZZ		SEMICONDUCTOR DEVICE, DIODE		EA	3										
XAFZZ	5961-8C4-5482	202899-079 (789571 TRANSISTOR		EA	1										
AAI ZZ	3301-004-3402	2N524 (8Ci31)			l '										
XAFZZ		VARISTOR		EA	1 1										
		202926-769 (78957)													
XAFZZ		CONTACT ASSEMBLY, ELECTRICAL		EA	1										
		203280-459 (7&957)													
XAFZZ	5335-763-6961	SCREW MACHINE		EA	2										
		NS51954-26 (96906)		l <u>-</u> .											
XAFZZ	5895-134-0611	CONTACT, ELECTRICAL		EA	4										
XAFZZ	5999-134-0612	300000-851 (78957) CONTACT, ELECTRICAL		EA	3										
AAFZZ	0999-134-0012	305300-861 (78957)		EA											
XAFZZ	5999-134-8858	CONTACT, ELECTRICAL		EA	3										
"		300C0-871 (7t957)			1										
1	1	1			B-11					I				I	

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SECTION VI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

	ECTION VI	REPAIR PARTS FOR DIRECT	SUPPOR			UPPC	<u> JRTA</u>	ע טא	EPUI	WAIN	HENA	NCE		<u>ΓΑ-923/FSC</u>	
(1) 出	(2)	(3)		(4)	(5)							(8)	(9)	(1	· .
뭐							30 D	DAY MA	INT. AI	₋W.		₫.	Ë.	ILLUSTR	ATIONS
SOURCE CODE MAINT. (1) CODE REC. CODE	FEDERAL	DESCRIPTION		ш			(6)			(7)		1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	(a)	(b)
%2≷2 <u>%</u>	STOCK		USE	UNIT OF MEASURE	QTY, INCL. IN UNIT		DS			GS		9E.	oei Neiv	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	IT (FN	(a)	(b)	(c)	(a)	(b)	(c)	8.2.1. 1.1.1.1	O.×.⊝	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	ᇹ	Δ IN	1-20	21-50	51-100	1-20	21-50	51-100	두밥8	밀목한		
XAFZZ	5895-134-0859	CONTACT .ELECTRICAL		EA	1										
		300000-881 (78957)													
XAFZZ		INSULATOR, WASHER		EA	6										
\ \ \ \ F = 7		300000-911 (70957)			_										
XAFZZ		INSULATOR WASHER		EA	5										
XAFZZ		300000-921 (78957 PLATE, LOCKING		EA	4										
AAIZZ		300000-931 (78957		LA	4										
XAFZZ	5305-622-9472	SCREW MACHINE		EA	4										
		MS35265-5 (96906)													
XAFZZ		PLATE MOUNTING		EA	1										
		300000-071 (789573													
XAFZZ		SPACER		EA	2										
V 4 E 7 7		300000 (78957!			0										
XAFZZ		SPACER 300000-921 (78957)		EA	2										
XAFZZ		CONTACT ASSEMBLY, ELECTRICAL		EA	1										
70 11 22		200280-619 (78957)			·										
XAFZZ		COVER		EA	1										
		303946-921 (78957)													
XAFZZ		CRANK, HAND , KNOB		EA	1										
1		300000-661 (78957)			_										
XAFZZ		CRANK, HAND, KNOB		EA	2										
XAFZZ		30000-671 (78957) CRANK HAND KNOB		E4	2										
AAIZZ		300000-681 (76957)		L4	2										
XAFZZ		CRANK, HAND, KNOB		EA	2										
		300000-91 (789557)													
XAFZZ		FRAME		EA	1										
		303940-210 (78957)													
XAFZZ		INSULATOR, PLATE		EA	1										
XAFZZ		300001-041 (78957)		_,											
AAFZZ		INSULATOR, PLATE 300002-501 (78957)		EA	1										
		300002-301 (70937)													
				E	3-12										

TM 11-5805-647-14

SECTION VI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE **TA-923/FSC** (1) (9) CODE (2) 1 YR. ALW. PER 100 EQUIP. 3 CONTGCY SOURCE CODE MAINT. CODE REC. COD DEPOT MAINT. ALW PER 100 EQUIP. 30 DAY MAINT. ALW. **ILLUSTRATIONS FEDERAL** DESCRIPTION (6) (a) QTY, INCL. IN UNIT UNIT OF MEASURE GS STOCK USE DS **FIGURE REF./ITEM** NUMBER REF. NUMBER MER. CODE ON NUMBER NUMBER (a) (b) (b) (c) (a) (c) CODE (MFR. PART NO.) 1-20 21-50 51-100 1-20 21-50 51-100 XAF77 SPACER. SLEEVE FΑ 4 30001-C31 (78957) XAFZZ SPRING, HELICAL, COMPRESSION EΑ 12 300000-701 (78957) GROUP 01010203 KEY ASSEMBLY **PAFZZ PUSHBUTTON ASSEMBLY** EΑ 1 3 703016-5C9 (78957) **PAOZZ** 6240-115-5042 LAMP, INCANDESCENT EΑ 6 3 2 24CSB (58854) PAFZZ **PUSHBUTTON** EΑ 1 3 3A 300972-191 (78957) **PAFZZ** 5805-117-5484 **PUSHBUTTON** EΑ 5 3 3 300972-171 (78957) XAFZZ BRACKET, DOUBLE ANGLE EΑ 1 300972-841 (78957) PAFZZ SCREW, MACHINE 5305-057-3508 EΑ 1 MS51958-11 (96906) XAFZZ CONNECTOR, RECEPTACLE, ELEC EΑ 1 304145-262 (78957) PAFZZ SCREW. MACHINE 2 5305-057-0510 EΑ MS1958-13 (969061 PAFZZ 5335-855-3973 SCREW, TAPPING, PAN HEAD 2 EΑ MS24629-12 (96906) XAFZZ CONTACT ASSEMBLY, ELECTRICAL EΑ 1 206011-129 (78957) XAFZZ CONTACT ASSEMBLY, ELECTRICAL EΑ 5 201280-2C9 (78957) XAFZZ CONTACT ASSEMBLY, ELECTRICAL EΑ 1' 253280-219 (78957) XAFZZ CONTACT ASSEMBLY, ELECTRICAL EΑ 1 203260-229 (78957)

B-13

FΑ

XAFZZ

PLATE, MOUNTING

30972-011 (78957)

S	SECTION VI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE TA-923/FS													TA-923/FSC	
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)		0)
	FEDERAL	DESCRIPTION						JAY IVIA	INT. AI			1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP.	ILLUSTR (a)	
	STOCK	DESCRIPTION	USE	UNIT OF MEASURE	QTY. INCL. IN UNIT		(6) DS			GS		Ž,E,E	ゑ祝음	FIGURE	(b) REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	ASU	<u>≥</u>	(a)	(b)	(c)	(a)	(b)	(c)	A 10 NTG	P. Y. O.	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	吕빌	δ≧	1-20	21-50	51-100		21-50	51-100	수필앙	19 A P		
PAFZZ	E20E 777 6020	SCDEW MACHINE		EA	8	*	*	*	*	*	*		*		
PAFZZ	5305-777-6039	SCREW MACHINE MS51959-12 (96906)		LA	°										
XAFZZ		LAMP ASSEMBLY INCANDESCENT		EA	1										
PAFZZ	5305-828-3821	703016-526 (78957) SCREW TAPPING, PAN HEAD		EA	2	*	*	*	*	*	*		*		
FAIZZ	3303-020-3021	MS24629-13 (96906)													
XAFZZ		COLLAR		EA	6										
XAFZZ		300972-161 (78957) PLATE, MOUNTING		l _{EA}	1										
70 11 22		300972-351 (78957)													
XAFZZ		RETAINER, LAMP		EA	1										
XAFZZ		300972-041 (78957) PIN, SHOULDERED, HEADLESS		l _{EA}	1										
70 11 22		300972-561 (78957)													
XAFZZ		PLUNGER ASSEMBLY		EA	1										
XAF77 53	05-054-5649	206011-109 (78957) SCREW MACHINE		l _{EA}	2										
	00 00 1 00 10	MS51957-15 (96906)			_										
XAFZZ		BAR, CHAINING		EA	1										
XAFZZ		300972-031 (78957) CONTACT ASSEMBLY, ELECTRICAL		l _{EA}	1										
		703016-013 (78957)													
XAFZZ		BRACKET 200073 444 (78057)		EA	1										
XAFZZ		300972-111 (78957) CONTACT ASSEMBLY, ELECTRICAL		l _{EA}	1										
		206011-169 (75957)													
XAFZZ		PLATE MOUNTING		EA	1										
XAFZZ		703015-676 (78957) DETENT.SWITCH		EA	1										
		300972-021 (78957)													
XAFZZ		LOCKOUT 300972-231 (78957)		EA	4										
XAFZZ		PIN, SHOULDERED, HEADLESS		EA	1										
		300972-561 (78957)													
				,	 3-14										
					p-14										

TM 11-5805-647-14 TA-923/FSC

SECTION VI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

S	ECTION VI	REPAIR PARTS FOR DIRECT SU	JPPOF	RT, GE	NERAL S	UPPO	ORT A	ND D	EPOT	MAIN	TENA	NCE		TA-923/FSC	
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)								(9)	(1	•
5							30 I	DAY MA	AINT. AL	.W.			≓	ILLUSTR	RATIONS
	FEDERAL	DESCRIPTION		ш	ت_ ا		(6)			(7)		, ig ~	≦~ ਰ	(a)	(b)
80 ₹ 0₽	STOCK		USE	~뭂	QTY. INCL. IN UNIT		DS			GS		SC PE	Z Hi Z	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	∃S		(a)	(b)	(c)	(a)	(b)	(c)	7.7.F	S×ï	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	UNIT OF MEASURE	©1 ≥	1-20	21-50	51-100	1-20	21-50	51-100	1 YR. ALW. PER 100 EQUIP. (CONTGCY	DEPOT MAINT ALW PER 100 EQUIP		
XAFZZ		PLATE, MOUNTING 300971-991 (78957)		EA	1										
PAFZZ	5305-855-0970	SCREW, TAPPING, PAN HEAD MS24629-12 (96906)-		EA	2	*	*	*	*	*	*		*		
XAFZZ		PLUNGER		EA	1										
XAFZZ		307972-151 (78957) PLUNGER ASSEMBLY		EA	5										
XAFZZ		703015-677 (75957) PLUNGER		EA	ı										
XAFZZ		703015-926 (78957) SCREW, MACHINE		EA	1										
XAFZZ		703015-679 (78957) SPRING, HELICAL, COMPRESSION		EA	6										
XAFZZ		301972-051 (78951T SPRING, HELICAL, COMPRESSION		EA	1										
XAFZZ		303972-141 (78957) SPRING, HELICAL, COMPRESSION		EA	1										
XAFZZ		303972-051 (78957) TERMINAL, LUG		EA	12										
		303972-211 (78957) GROUP 01010254													
		KEY ASSEMBLY													
PAFZZ		PUSHBUTTON ASSEMBLY 703:16-510 (78957)		EA	2	*	*	*	*	*	*		*	3	1
PAOZZ	6240-115-3542	LAMP INCANDESCENT		EA	6	*	*	*	*	*	*		*	3	2
PAFZZ	5805-117-8484	24CSB (58854) PUSH BUTTON		EA	6	*	*	*	*	*	*		*	3	3
XAFZZ		300972-171 (78957) BRACKET, DOUBLE ANGLE		EA	1										
PAFZZ	5305-057-i5C8	30 972-841 (71957) SCREW, MACHINE		EA	1	*	*	*	*	*	*		*		
XAFZZ		MS51958-11 (96936) CONNECTOR, RECEPTACLE, ELEC		EA	1										
		334145-262 (78957)													
								L							

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S	ECTION VI	REPAIR PARTS FOR DIRECT SUPP	ORT, GI	ENERAL S	SUPPO	ORT A	ND D	EPOT	MAIN	ITEN <i>A</i>	ANCE	-	TA-923/FSC	
SOURCE CODE MAINT. (L) CODE REC. CODE	(2)	(3)	(4)	(5)							(8)	(9)		0)
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;				1			DAY MA	AINT. AL			<u>₩</u>	Ä.	ILLUSTR	
	FEDERAL	DESCRIPTION	پير ا	; ا		(6)			(7)		1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	(a)	(b)
\ \ooso¤		USE NUMBER MED CORE	65	≚≒		DS	.		GS		독등년	FE	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE ON (MFR. PART NO.) COD	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	유유증	P N N	NUMBER	NUMBER
		(MFR. PART NO.) COD	<u>: ⊃≥</u>	0=	1-20	21-50	51-100	1-20	21-50	51-100	<u> </u>			
PAFZZ	5305-057-0510	SCREW, MACHINE MS5t958-13 (96906)	EA	2	*	*	*	*	*	*		*		
XAFZZ		CONTACT ASSEMBLY, ELECTRICAL 206911-129 (78957)	EA	1										
PAFZZ	5305-855-0970	SCREW, TAPPING, PAN HEAD MS24629-12 (96906)	EA	2	*	*	*	*	*	*		*		
XAFZZ		LAMP ASSEMBLY, ÍNCANDESCENT 703016-527 (78957)	EA	1										
PAFZZ	5305-828-9821	SCREW, TAPPING, PAN HEAD MS24629-13 (96906)	EA	2	*	*	*	*	*	*		*		
XAFZZ		COLLAR 301972-161 (78957)	EA	6										
XAFZZ		PLATE, MOUNTING 300972-351 (78957)	EA	1										
XAFZZ		RETAINER, LAMP 303972-041 (78957)	EA	1										
XAFZZ		TERMINAL, LUG 309972-211 (789571	EA	12										
XAFZZ		PIN, SHOULDERED, HEADLESS 303972-561 (78957)	EA	1										
XAFZZ		PLUNGER ASSEMBLY 206011-tC9 (769571	EA	1										
XAFZZ	S305-054-5649	SCREW, MACHINE MS51957-15 (q9906)	EA	2										
XAFZZ		SPRING, HELICAL, COMPRESSION 300972-051 (789571	EA	1										
AFFFF		GROUP 0102 PANEL ASSEMBLY PANEL ASSEMBLY GB11672 (11136)	EA	1									4	1
	585-00O3-'671	PANEL, MOUNTING 1058(01794)	EA	2	*	*	*	*	*	*		*	4	2
PAHZZ	5935-975-4649	JACK, TELEPHONE CMT337 (2389)	EA	2				*	*	*		*	7	3

S	ECTION VI			T, GENERAL SUPPORT AND DEPOT MAINTENANCE TA-923/FSC										
SOURCE CODE MAINT. (I) CODE REC. CODE	(2)	(3)	(4)	(5)							(8)	(9)		0)
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;						30 I	DAY MA	AINT. AL	₋W.		≝	Ė.		RATIONS
	FEDERAL	DESCRIPTION	ш	نـ		(6)			(7)		×ã≻	[사람	(a)	(b)
ŏŏ ≥ ŏ≅		USE	유뜻	≧⊨		DS			GS		GOAL	T'E B	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE ON	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1 YR. ALW. PER 100 EQUIP. S CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	NUMBER	NUMBER
		(MFR. PART NO.) CODE	5 <u>=</u>	σ≧	1-20	21-50	51-100	1-20	21-50	51-100	<u> </u>	₽ ¥ >		
								*						
PAHZZ	5935-224-4213	JACK, TELEPHONE	EA	2				*	*	*		*	4	4
		MT332A (82389?												
PAHZZ	5940-983-5051	TERMINAL BOARD	l _{EA}	1				*	*	*		*	4	5
		37TB10 (81349)												
				l .										
XBFZZ		BLOCK, JACK MOUNTING AP916 (11136)	EA	1										
		AF910 (11130)												
XBFZZ		PANEL, MOUNTING	EA	1										
		GB11678 (11136)												
		GROUP 010201												
PAFZZ		DIAL ASSEMBLY DIAL, TELEPHONE	l _{EA}	1 1	*	*	*	*	*	*		*	4	6
1 71 22		330CG450 (09712)		'									T	Ŭ
		GROUP 01C2C2	EA	1	*	*	*	*	*	*		*		
		HOOK SWITCH	l	l .		*				١.		*		_
PAFZZ	5930-236-5529	SWITCH, HOOK AT81C6I1O (11136)	EA	1	*	*	*	*	*	*		*	4	7
		GROUP 01C3												
PAOHH		HANDSET	EA	1	*	*	*	*	*	*		*	4	8
		NC1800-03G3AR15T4 (97101)												
PAHZZ		TRANSMITTER, TELEPHONE	EA	1				*	*	*		*	4	9
PAHZZ	5965-651-4348	1912-93 (97101) RECEIVER, TELEPHONE	EA	1 1				*	*	*		*	4	10
' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	0000 001 1010	1590V (97101)	-/`											
PAHZZ		CAP, RECEIVER	EA	1				*	*	*		*	4	11
XAHZZ		HEADSET (07404)	EA	1										
		1809-03 (97101) GROUP 0104												
		HEADSET												
PAOHH		HEADSET	EA	1	*	*	*	*	*	*		*	5	1
		1574-5 (97101)	l											
P4HZZ	5965-578-5931	RECEIVER, TELEPHONE	EA	1				*	*	*		*	5	2
		1350(97101)												
			,	 3 -17										
	l		'	P-1/	1		l		1	I	l			

REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE **SECTION VI TA-923/FSC** 1 YR. ALW. PER 100 EQUIP. ® CONTGCY SOURCE CODE MAINT. (1) CODE REC. CODE (2) (9) DEPOT MAINT ALW PER 100 EQUIP 30 DAY MAINT. ALW. ILLUSTRATIONS **FEDERAL** DESCRIPTION (7) (a) (6) QTY. INCL. IN UNIT UNIT OF MEASURE GS USE DS STOCK **FIGURE REF./ITEM** ON NUMBER NUMBER REF. NUMBER MFR. CODE NUMBER (a) (b) (c) (a) (b) (c) CODE (MFR. PART NO.) 21-50 51-100 1-20 21-50 51-100 PAHZZ 5 TRANSMITTER, TELEPHONE EΑ 1 3 1338(97101) PAHZZ PLUG, TELEPHONE EΑ 1 5 4 7683 (971011 XBHZZ **HEADBAND** EΑ 1 1342F (97101)

ITEM

NUMBER

32

FIGURE

NUMBER

1

FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX

FEDERAL STOCK NUMBER

6350-239-5581

	DERAL STOCK NUMBER AND RE
FIGURE	ITEM
NUMBER	NUMBER
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	FIGURE NUMBER 4 3 2 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1

050510111111			T. 205/700
SECTION VIII	FEDERAL STOCK NUMBER AND		TA-925/FSC
MANUFACTURER	FED MFR	FIGURE	ITEM
PART NUMBER	CODE	NUMBER	NUMBER
AT810510W	11136	4	7
CO10F010CK03	14655	1	26
CMT337	82389	4	3
C437ARG100	K0004	1	10
GB11672	11136	4	1
KIR8C20K	31433	4	21
NRO-1UF10PCT160VDCW	08257	1	24
MT332A	82389	4	4
NC1800-03G3AR15T4	97101	4	8
QNP3A4	01194	2	12
RCR07G101JS	81349	1	19
RCR07G103JS	81349	1	11
RCR07G103JS	81349	2	8
RCR07G104JS	81349	1	7
RCR07G125JS	81349	1	4
RCR07G153JS	81349	1	9
RCR07G224JS	81349	1	27
RCR07G273JS	81349	1	15
RCR07G273JS	81349	1	3
RCR07G473JS	81349	1	31
RCR07G564JS	81349	1	12
RCR07G682JS	81349	1	8
RCR20G471JS	81349	1	20
RCR32G151JS	81349	2	3A
RCR32G151JS	81349	2	11
RCR42G202JS	81349	2	9
RCR42G681JS	81349	1	18
SC24	37942	1	32
TT100X2	90201	2	3
08CA02T	51504	1	28
1MDF1-103	72136	1	6
1N4003	04713	2	7
1N4148	81349	1	14
1N5242	04713	1	13
1N5359	04713	2	10
105B	01794	4	2
124-5K	70674	1	22
1308	97191	2	3
1350	97101	5 5	2
1574-5	97101		1
1590v	97101	5	10
1811-03	97101	4	11
1912-03	97101	4	9
2N2222	81349	4	5
2N2907	81349	1	16
200C1	15849	1	23
200054-221	78957	1	13
240SB	58854	2	2
240SB	58854	3	2
300972-171	74957	3	3
		B-20	

SECTION VIII MANUFACTURER PART NUMBER	FEDERAL STOCK NUMBER AND FED MFR CODE	D REFERENCE NUMBER INDEX FIGURE NUMBER	TA-925/FSC ITEM NUMBER
300972-171	78957	3	3
300972-191	78957	3	3A
303940-321	78957	2	11
303940-621	78957	2	12
303940-721	78957	2	13
303940-821	78957	2	10
303940-921	76957	2	9
333941-121	78957	2	4
303941-221	78957	2	8
303941-321	78957	2	6
303941-421	7895?	2	3
303941-521	78957	2	5
303947-321	78957	2	7
303947-421	78957	2	2
304145-271	78957	2	5
304146-874	78957	2	6
3300G450	09712	4	6
3359W1-103	80294	1	25
37TB10	81349	4	5
40347	02735	1	17
41566-000	78957	2	4
49009-01	51504	1	2
611-1300PFZ-5PCT33V	26625	1	29
611-820PF2-5PCT33V	26625	1	30
6505-3821	46859	1	1
6505-3834	46859	1	1
6505-3836	46859	1	1
703016-508	78957	2	1
703016-509	78957	3	1
703016-510	76957	3	1
703016-640	78957	2	2
7683	97101	5	4

SECTION IX TM 11-5805-647-14

SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)			NIZATION	IAL	ILLUSTI	7) RATIONS
SOUR CODE CODE REC.	FEDERAL STOCK	DESCRIPTION L	JSE	F JRE	CL.	(a)	AINT. ALV (b)	V. (c)	(d)	(a) FIGURE	(b) REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON ODE	UNIT OF MEASURE	QTY. INCL. IN UNIT	1-5 3	6-20	21-50 🤅	51-100	NUMBER	NUMBER
	5805-269-0321	GROUP 01 O/W UNIT REMOTE LINK TA-924/FSC O/W UNIT REMOTE LK TA-924/FSC 6505-3823 (46859) GROUP 010202							ï		
PAOZZ		AMPLIFIER AMPLIFIER, VARIABLE FREQUENCY TLC410 (64294)		EA	1	*	*	*	*	8	9
		GROUP 0103 HANDSET									
РАОНН		HANDSET NC1800-03G3AR05T4 (97101)		EA	1	*	*	*	*	8	11
		GROUP 0104 HEADSET									
РАОНН		HEADSET 1574-5 (97101)		EA	1	*	*	*	*	9	1

<u> </u>	ECTION XI	REPAIR PARTS FOR DIRECT S	OFFUR			UPP	<u> KIA</u>	ט טא	EPUI	WAIN		INCE		TA-923/FSC	
SOURCE CODE MAINT. (L) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)	(1	
ᅵᄬᅟᆢᅙ							30 E	Day Ma	AINT. AL	.W.		₫.	⊢ :	ILLUSTR	RATIONS
	FEDERAL	DESCRIPTION					(6)			(7)		on_	N	(a)	(b)
88₹8₽	STOCK		USE	UNIT OF MEASURE	QTY. INCL. IN UNIT		DS			GS		1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT ALW PER 100 EQUIP	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	ୂ	<u> </u>	(2)		(=)	(-)		(2)	4.6 TG	P. 3	NUMBER	NUMBER
	NOWIDER		CODE	ΞÃ	ĽΩ	(a)	(b)	(c)	(a)	(b)	(c)	ĸ₩Ÿ	# 2 8 5	NOWIDER	INDIVIDER
		(MFR. PART NO.)	CODE	<u> </u>		1-20	21-50	51-100	1-20	21-50	51-100	-FO	1		
AFFFH	5805-269-0321	GROUP 01 O/W UNIT REMOTE LINK TA-924/FSC O/W UNIT REMOTE LINK TA-924/FSC 6505-3823 (46859) GROUP 1010 CALL DIRECTOR ASSEMBLY CALL DIRECTOR ASSEMBLY 6505-3839 (46859) GROUP 010101 BUZZER ASSEMBLY SIGNALING FREQ OSCILLATOR 6525-3835 (468593		EA EA	1									6	1
		GROUP 01010101 BUZZER					*	*		*					
PAFZZ	6350-23 -5581	BUZZER SCZ4 (379g2)		EA	1	*	*	*	*	*	*		*	6	2
XBFZZ		MOUNTING BOARD 6505-3833 (46859)		EA	1										
XBFZZ		MOUNTING WAFER MP6 (37942)		EA	1										
XBFZZ		SPACER, SLEEVE 13-552C (726533		EA	2										
XBFZZ		TERMINAL, LUG 13-108S (72653) GROUP 010102		EA	8										
AFFFM		CALL DIRECTOR TELEPHONE SWITCHBOARD 703015-596 (75957)		EA	1									7	1
	594C-26?-2228 5915-11C-:991	TERMINAL BOARD RESISTOR, FIXED, COMPOSITION		EA EA	1 1	*	*	*	*	*	*		*	7 7	2 3
PAFZZ	5940-941-0201	RCR32G151JS (81349) TERMINAL, LUG 41566-000 (78957)		EA	5	*	*	*	*	*	*		*	7	4
				F	3-23										

TM 11-5805-647-14 TA-923/FSC

	ECTION VI	REPAIR PARTS FOR DIRECT SUI	PPOR	(I, GE	NERAL SUPPORT AND DEPOT MAINTENANCE TA-923/FSC								<u>, </u>		
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)		0)
岌낟잉							30 E	DAY MA	AINT. AL	₋W.		≝	Ė.	ILLUSTF	RATIONS
	FEDERAL	DESCRIPTION		ш	تـ		(6)			(7)		_¤.∀	DEPOT MAINT. ALW. PER 100 EQUIP.	(a)	(b)
%25§28	STOCK		USE	UNIT OF MEASURE	QTY, INCL. IN UNIT		DS			GS		SC AL	Z HE	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	IT (I.N N	(a)	(b)	(c)	(a)	(b)	(c)	S. T. N.	S×ĕ	NUMBER	NUMBER
		(MFR. PART NO.)	ODE	ᇹ	Ľα⊒	1-20	21-50	51-100	1-20	21-50	51-100	1 YR. ALW. PER 100 EQUIP. (CONTGCY	무무		
PAFZZ	5935-24C-6760	CONNECTOR, PLUG, ELECTRICAL		EA	3	*	*	*	*	*	*		*	7	5
		304145-271		(7895											
PAFZZ	5935-003-7711	CONNECTOR, PLUG, ELECTRICAL		EA	3	*	*	*	*	*	*		*	7	6
		304146-674		(7895	7)										
		GROUP 01010201 NETWORK													
PAFZZ		NETWORK		EA	1	*	*	*	*	*	*		*	7	7
1 / 11 22		QNB3A4 (01794)			·									'	'
		GROUP C1010202													
		DIAL ASSEMBLY													
PAFZZ	5805-258-5840	DIAL ASSEMBLY, PUSHBUTTON		EA	1	*	*	*	*	**	*		*	2	13
SEE		200054-221 (78957)												FOR BREAKD	pwn
SEE														SECTION VI,	GPOUR
														01010202	GROUP
MFFZZ		CABLE ASSEMBLY		EA	1									01010202	
		703006-895 (78957)													
PAFZZ	5315-057-0509	SCREW, MACHINE		EA	6	*	*	*	*	*	*		*		
		MS5195A-12 (96906)					*						*		
PAFZZ	5315-763-7827	SCREW, MACHINE MS51959-18 (969F6)		EA	3	*	*	*	*	*	*		*		
XBFZZ		HOOD, CONNECTOR		EA	3										
ADI ZZ		304146-863 (78957)		LA	3										
XBFZZ		TERMINAL, LUG		EA	21										
		701019-933 (78957)													
XBFZZ		FACEMAT		EA	i										
\\DE33		705316-210 (78957)													
XBFZZ		PANEL, MOUNTING P894839 (C1794)		EA	'										
XBF1Z		TERMINAL, LUG		EA	1										
7,51 12		13-1085 (72653)			·										
		GROUP 01010203													
		KEY ASSEMBLY													
PAFZZ		PUSHBUTTON ASSEMBLY		EA	1	*	*	*	*	*	*		*	3	1
055		703016-509 (7R9571												FOR BREAKD	DWN
SEE														SECTION VI,	GPOLID
														01010203	GROUP
		GROUP 0102													
		PANEL ASSEMBLY													

S	ECTION VI	REPAIR PARTS FOR DIRECT SUP	POR	T, GE	NERAL S	UPPO	ORT A	ND D	EPOT	MAIN	ITEN#	NCE		TA-923/FSC	
SOURCE CODE MAINT. (L) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)		0)
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;							30 I	DAY MA	AINT. AL				Ė	ILLUSTF	
	FEDERAL	DESCRIPTION		ш	ت		(6)			(7)		×⊞≻	[사람	(a)	(b)
ŭŭ≅ŭ≅		US		유뜴	S⊑		DS			GS		AL GC	T H O	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE O		UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1 YR. ALW. PER 100 EQUIP. (CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	NUMBER	NUMBER
		(MFR. PART NO.)	DE	5≥	σ≧	1-20	21-50	51-100	1-20	21-50	51-100	<u>-₽2</u>	□ 4 1		
AFFFH		PANEL, ASSEMBLY		EA	1									8	1
PAFZZ	5805-003-7671	GB11671 (11136) PANEL. MOUNTING		EA	2	*	*	*	*	*	*		*	8	2
1 71 22	3003-003-7071	15OB (Ct194)		LA	۷									o o	2
PAFZZ	5935-978-4649	JACK, TELEPHONE		EA	2	*	*	*	*	*	*		*	8	3
		CMT337 (62389)													
PAFZZ	5935-224-4213	JACK, TELEPHONE		EA	2	*	*	*	*	*	*		*	8	3
PAFZZ	5940-983-6051	MT332A (82389) TERMINAL BOARD		EA	1	*	*	*	*	*	*		*	8	4
PAFZZ	0940-963-6051	MILT55164 (81349)		EA	1									°	4
PAFZZ		RESISTOR, VARIABLE		EA	1	*	*	*	*	*	*		*	8	5
		U12 (37942)													
PAFZZ	593C-975-2889	SWITCH, ROTARY		EA	1	*	*	*	*	*	*		*	8	6
XBFZZ		US28 (37942)		_,	1	*	*	*	*	*	*		*		_
XBFZZ		BLOCK, JACK MOUNTING AP916 (11116)		EA	1									8	7
XBFZZ		PANEL, MOUNTING		EA	1										
		6GB11677 (11136)													
XBFZZ		PANEL, MOUNTING		EA	1										
XBFZZ		GB6023L23 (11136)		EA	1										
XBFZZ		BEZEL, INSTRUMENT MOUNTING P11E902 (p1794)		EA	1										
XBFZZ		BRACKET, ANGLE		EA	1										
1		703016-755 (78957)		_, ,	•										
		GROUP G1C231													
D. 677		HOOK SWITCH				*	*	*	*	*	*				
PAFZZ	5930-236-5529	SWITCH, HOOK ATA1061CW (11136)		EA	1	Î	•		•	Ŷ	•		•	8	8
		GROUP G0020?													
		AMPLIFIER													
PAOZZ		AMPLIFIER, VARIABLE FREQUENCY		EA	1	*	*	*	*	*	*		*	8	9
		TL0410 (64?94)													
		GROUP 01203													
		SPEAKER													

S	ECTION VI	REPAIR PARTS FOR DIRECT	SUPPOR	RT, GE	NERAL S	UPP	DRT A	ND D	EPOT	MAIN	ITEN#	ANCE	•	TA-923/FSC	
SOURCE CODE MAINT. (L) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)	(1	
							30 E	DAY MA	AINT. AL			≝	Ė	ILLUSTR	RATIONS
	FEDERAL	DESCRIPTION		ш	نہ		(6)			(7)		1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	(a)	(b)
XQ Z Q <u>Z</u>			USE	UNIT OF MEASURE	QTY. INCL. IN UNIT		DS			GS		98 A	[HB	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	<u>≒</u> 8	ĖŠ	(a)	(b)	(c)	(a)	(b)	(c)	8.5.F.		NUMBER	NUMBER
		(MFR. PART NO.)	CODE	5≥	σ≧	1-20	21-50	51-100	1-20	21-50	51-100	<u>- 5 5</u>	۵۹۲		
PAFZZ	5965-261-8086	LOUDSPEAKER, PERMANENT MAGNET 33025 (74199) GROUP 0103 HANDSET		EA	1	*	*	*	*	*	*		*	8	10
РАОНН		HANDSET NC1800-03G3AR05T4 (97101)		EA	1	*	*	*	*	*	*		*	8	11
PAHZZ		TRANSMITTER, TELEPHONE 1912-03 (97101)		EA	1				*	*	*		*	8	12
PAHZZ	5965-651-4348	RECEIVER, TELEPHONE 1590V (97101)		EA	1				*	*	*		*	8	13
PAHZZ		CAP, RECEIVER 1811-03 (97101)		EA	1				*	*	*		*	8	14
XAHZZ		HANDSET 1839-03 (97101) GROUP Clt4		EA	1										
		HEADSET													
РАОНН		HEADSET 1574-5 (97101)		EA	1	*	*	*	*	*	*		*	5 FOR BREAKI SEE SECTIO GROUP 0104	N VI,

				• • • • • • • • • • • • • • • • • • • •	
			ND REFERENCE NUMBER INDEX		
SECTION XIII	FIGURE	ITEM		FIGURE	ITEM
FEDERAL STOCK NUMBER	NUMBER	NUMBER	FEDERAL STOCK NUMBER	NUMBER	NUMBER
5805-003-2671	8	2			
5805-258-6840	2	13			
5805-269-0321	1	1			
5905-110-0991	7	3			
5930-236-6529	8	8			
5930-975-2889	8	7			
5935-003-7711	7	6			
5935-224-4213	8	4			
5935-240-6760	7	5			
5935-978-4649	8	3			
5940-262-2228	7	2			
5940-941-0201	7	4			
5940-983-6051	8	5			
5965-261-8086	8	10			
5965-651-4348	8	13			
6350-239-5581	6	2			

TM 11-5805-647-14
SECTION XVIII FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX TA-925/FSC
MANUFACTURER FIGURE ITEM

SECTION XVIII MANUFACTURER PART NUMBER	FEDERAL STOCK NUMBER A FED MFR CODE	ND REFERENCE NUMBER INDEX FIGURE NUMBER	TA- ITEM NUMBER
AT810610W	11136	8	8
CMT337	82389	8	3
G811671	11136	8	1
MILT55164	81349	8	5
MT332A	82389	8	4
NC1600-03G3AR05T4	97101	8	11
QNB3A4	01794	7	7
RCR32G151JS	81349	7	3
SC24	37942	6	2
TLC410	64294	8	9
US28	37942	8	7
U12	37942	8	6
105B	01794	8	2
1574-5	97101	5	1
1590V	97101	8	13
1811-03	97101	8	14
1912-03	97101	8	12
200054-221	78957	2 8	13
30C25	74199	8	10
304145-271	78957	7	5
304 46-874	78957	7	6
41566-000	78957	7	4
65C5-3823	46859	1	1
65C5-3835	46859	6	1
65C5-3839	46859	<u>1</u>	1
703016-506	78957	7	1
703016-509	78957	3	1
703016-640	78957	7	2

SECTION XIV TM 11-5805-647-14

SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)	15 D	(6) AY ORGA	NIZATION	NAL .	(ILLUSTI	7) RATIONS
SOUR CODE MAINT CODE REC. (FEDERAL STOCK	DESCRIPTION	USE		C.		AINT. ALV		(4)	(a) FIGURE	(b) REF./ITEM
W020E	NUMBER	REF. NUMBER MFR. CODE (MFR. PART NO.)	ON CODE	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	6-20 G	21-50 ©	51-100 ©	NUMBER	NUMBER
	5805-269-0320	GROUP 01 ORDERWIRE UNIT, LINK TA-925/FSC ORDERWIRE UNIT LINK TA-925/FSC									
	3003-209-0320	6505-3822 (46859)									
PAOZZ	6240-115-5042	LAMP INCANDESCENT 24CSB (58854)		EA	6	*	*	*	*	3	2
		GROUP 010203 AMPLIFIER									
PAOZZ		AMPLIFIER, VARIABLE FREQUENCY TLC410 (64294)		EA	1	*	*	*	*	10	10
		GROUP 0103 HANDSET									
РАОНН		HANDSET NC1800-03G3AR50T4 (97101)		EA	1	*	*	*	*	10	12
		GROUP 0104 HEADSET									
РАОНН		HEADSET 1574-5 (97101)		EA	1	*	*	*	*	1	1

S	ECTION XVI	REPAIR PARTS FOR DIRECT	SUPPO	RT, G	ENERAL	SUPF	PORT	AND	DEPO	T MAI	NTEN	IANCE		TA-923/FS	С
SOURCE CODE MAINT. (L) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)		0)
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;							30 I	DAY MA	AINT. AL	.W.		1 YR. ALW. PER 100 EQUIP. (CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	ILLUSTR	RATIONS
	FEDERAL	DESCRIPTION		ш	ز		(6)			(7)		YEΩ'.	≦~ ਦ	(a)	(b)
% Ω ≥ Ω 2	STOCK		USE	유	NC ⊒I		DS			GS		AL GC GC	Z ⊒ S	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	8.5.TX	SIN	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	58	σ≚	1-20	21-50	51-100	1-20	21-50	51-100	<u> </u>	245 245		
AFFFH	5805-269-0320	GROUP 01 ORDERWIRE UNIT, LINK TA-925/FSC GROUP 01 ORDERWIRE UNIT LINK TA-925-FSC 6505-3822 (46859) GROUP 0101 CALL DIRECTOR ASSEMBLY CALL DIRECTOR LINK TA-925-/FSC 6535-3838 (46859) GROUP 010101 SF OSCILLATOR, BUZZER ASSEMBLY		EA	1										
PAFHH		SIGNALING FREQ OSCILLATOR 6558-3838 (46859) GROUP 01010101 SF OSCILLATOR		EA	1	*	*	*	*	*	*		*	1	1
AFFFH	5895-173-7025	OSCILLATOR ASSEMBLY 419009-1 (51504)		EA	1									1 FOR BREAKE SEE SECTION GROUP 0101	N VI,
PAFZZ	6350-239-5581	GROUP 01010102 BUZZER BUZZER SC24 (37942) GROUP 010102 CALL DIRECTOR		EA	1	*	*	*	*	*	*		*	1	32
AFFFH		TELEPHONE SNITCH BOARD 703.16-754 (78957)		EA	1									9	1
PAFZZ	5940-262-2228	TERMINAL BOARD 703016-640 (78957!		EA	1	*	*	*	*	*	*		*	9	2
PAFZZ		CAPACITOR, FIXED, ELECTROLYTIC 77100X2 (90201)		EA	1	*	*	*	*	*	*		*	9	3
PAFZZ	5915-119-5811	RESISTOR, FIXED, COMPOSITION RCR32G1510S (31349)		EA	1	*	*	*	*	*	*		*	9	4
PAFZZ	5940-941-0201	TERMINAL LUG 41566-000 (78957)		EA	5	*	*	*	*	*	*		*	9	5
PAFZZ	5935-240-6760	41565-000 (78957) CONNECTOR, PLUG, ELECTRICAL 394145-271 (74957)		EA	5	*	*	*	*	*	*		*	9	6

TM 11-5805-647-14 TA-923/FSC

S	ECTION VI	REPAIR PARTS FOR DIRECT	SUPPOF	RT, GE	NERAL S	UPPO	ORT A	ND D	EPOT	MAIN	ITENA	NCE		TA-923/FSC	
SOURCE CODE MAINT. (L) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)		0)
;;;;;;;;;;;								DAY MA	AINT. AL			JIP.	Ä.	ILLUSTR	
	FEDERAL	DESCRIPTION		Щ	ټ ا		(6)			(7)		1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	(a)	(b)
\QO∑OR		DEF 111111DED 11ED 00DE	USE	UNIT OF MEASURE	QTY. INCL. IN UNIT		DS			GS		19P	Fass	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	₩₩	Ε̈́Ξ	(a)	(b)	(c)	(a)	(b)	(c)	X.H.O	P P P P P P P P P P P P P P P P P P P	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	⊃≥	0≥	1-20	21-50	51-100	1-20	21-50	51-100	- ₽0	□ 4 ←		
															_
XBFZZ	5935-063-7711	CONNECTOR, PLUG, ELECTRICAL 304146-874 (78957)		EA	3									9	7
PAFZZ	5961-880-2938	SEMICONDUCTOR, DEVICE, DIODE		EA	1	*	*	*	*	*	*		*	9	8
		IN4003 (04713)													-
		GROUP 01010201					*	*							
PAFZZ		NETWORK		EA	1	*	*	*	*	*	*		*	9	9
		ONB83A4 (01794) GROUP 01010202													
		DIAL ASSEMBLY													
PAFZZ	5805-258-5840	DIAL ASSEMBLY, PUSHBUTTON		EA	1	*	*	*	*	*	*		*	2	13
		203054-221 (78957)												FOR BREAKE	
														SEE SECTION GROUP 0101	N VI,
XBFZZ		BEZEL, INSTRUMENT, MOUNTING		EA	1									GROOF 0101	0202
/		P11E902 (C1794)													
XBFZZ		BRACKET, ANGLE		EA	1										
NEEZZ		703016-755 (78957)		_,	1										
NFFZZ		CABLE ASSEMBLY 703006-895 (78957)		EA	1										
PAFZZ	5305-057-05C9	SCREW, MACHINE		EA	6	*	*	*	*	*	*		*		
		MS51958-12 (96906)													
PAFZZ	5305-763-7827	SCREW, MACHINE		EA	3	*	*	*	*	*	*		*		
XBFZZ		SS51959-18 (96906) HOOD, CONNECTOR		EA	3										
ABI ZZ		304146-863 (789571													
XBFZZ		TERMINAL, LUG		EA	21										
		7011G9-933 (78957)													
XBFZZ		FACEMAT 703016-210 (78957)		EA	1										
XBFZZ		PANEL, MOUNTING		EA	1										
		P894839 (C1794)													
XBFZZ		TERMINAL, LUG		E4	2										
		13-108S (72653)													
		GROUP G11a0233 KEY ASSEMBLY													
		TRE I MODELVIDE I													

SECTION VI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

S	ECTION VI	REPAIR PARTS FOR DIRECT	SUPPOR	RT, GE	NERAL S	UPP	DRT A	ND D	EPOT	MAIN	ITEN <i>A</i>	NCE	•	TA-923/FSC	;
SOURCE CODE MAINT. (L) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)		0)
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;							30 I	DAY MA	AINT. AL			≝	Ė		RATIONS
	FEDERAL	DESCRIPTION		ш	تـ ا		(6)			(7)		≥ã≻		(a)	(b)
ŏŏ ≥ ŏ≅			USE	Ь뜴	≧⊨		DS			GS		488 88	[김공	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP.	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	5≥	σ≧	1-20	21-50	51-100	1-20	21-50	51-100	<u> </u>	⊒¥₽		
PAFZZ		PUSHBUTTON ASSEMBLY 703016-509 (78957) GROUP 01010204		EA	1	*	*	*	*	*	*		*	3 FOR BREAKI SEE SECTIO GROUP 0101	N VI,
		KEY ASSEMBLY													
XAFZZ		PUSHBUTTON ASSEMBLY		EA	1									3	1
PAOZZ	6240-115-5042	703016-511 (78957) LAMP, INCANDESCENT		EA	6	*	*	*	*	*	*		*	2	
PAUZZ	0240-115-5042	24CSB (58854)		EA	0									3	2
PAFZZ		PUSHBUTTON		ΕA	6	*	*	*	*	*	*		*	3	3
		303972-171 (78957)													
XAFZZ		BRACKET, DOUBLE ANGLE		EA	1										
PAHZZ	5305-0\$7-3508	30972-841 (78957) SCREW, MACHINE		EA	1				*	*	*		*		
I ALIZZ	3303 007 3300	MS51958-11 (96936)		-^	'										
XAFZZ		CONNECTOR, RECEPTACLE, ELEC		EA	1										
PAFZZ	5305-057-0510	304145-262 (78957) SCREW, MACHINE		EA	2	*	*	*	*	*	*		*		
		MS21958-13 (96906)													
XAFZZ		CONTACT ASSEMBLY, ELECTRICAL		EA	1										
PAFZZ	5305-855-0970	206011-119 (78957) SCREW, TAPPING, PAN HEAD		EA	2	*	*	*	*	*	*		*		
		NS24629-12 (96906)													
XAFZZ		C0NTACT ASSEMBLY, ELECTRICAL 20280-209 (78957)		EA	6										
XAFZZ		CONTACT ASSEMBLY, ELECTRICAL		EA	1										
		2002S8-229 (78957)													
XAFZZ		PLATE, MOUNTNG		EA	1										
PAFZZ	5305-777-55 9	300972-011 (78957) SCREW, MACHINE		EA	8	*	*	*	*	*	*		*		
FAIZZ	3303-777-33 9	MS51959-12 (96906)			0										
XAFZZ		LAMP ASSEMBLY, INCANDESCENT		EA	1										
D.4.E-7-7		703016-527 (78957)					*	*	*	*	*				
PAFZZ		SCREW, TAPPING PAN HEAD PS24629-13 (969061		EA	2	*	*	*		*	_ *		*		

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S	ECTION VI	REPAIR PARTS FOR DIRECT SUF	POR	RT, GE	NERAL S	UPPO	DRT A	ND D	EPOT	MAIN	ITEN <i>A</i>	NCE	•	TA-923/FSC	
SOURCE CODE MAINT. (L) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)		0)
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;								DAY MA	AINT. AI			<u> </u>	Ė.	ILLUSTR	
	FEDERAL	DESCRIPTION		Щ	ŗ.		(6)			(7)		1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP.	(a)	(b)
\QO∑OK			SE	유뜻	≅ <u>≒</u>		DS	.		GS		455 5	FRB	FIGURE	REF./ITEM
	NUMBER		ON	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	동문을	9 N N	NUMBER	NUMBER
		(MFR. PART NO.)	DDE	⊃≥	<u>5</u>	1-20	21-50	51-100	1-20	21-50	51-100	<u> </u>	□ 4 +		
XAFZZ		COLLAD		EA	6										
XAFZZ		COLLAR 303972-161 (78957!		EA	б										
XAFZZ		PLATE, MOUNTING		EA 1											
		30972-351 (78957)													
XAFZZ		RETAINER, LAMP		EA	1										
VA E 7 7		GO972-041 (78957)		_^	40										
XAFZZ		TERMINAL, LUG 300972-211 (78957)		EA	12										
XAFZZ		PLUNGER ASSEMBLY		EA	1										
		20601-099 (78957)													
PAFZZ	5305-054-5649	SCREW, MACHINE		EA	2	*	*	*	*	*	*		*		
XAFZZ		MS51957-15 (96956)		EA	1										
AAFZZ		BAR, CHAINING 300972-031 (78957)		EA	ļ										
XAFZZ		BRACKET, DOUBLE, ANGLE		EA	1										
		703015-675 (78957)			•										
XAFZZ		DETENT, SWITCH		FA	1										
VAE77		303972-OZ1 (78957)		_^	_										
XAFZZ		LOCKOUT 300972-231 (78957)		EA	5										
XAFZZ		PIN, SHOULDERED, HEADLESS		EA	1										
		300972-561 (78957)													
XAFZZ		PLATE, MOUNTING		EA	1										
PAFZZ		30971-991 (74957)		_^	2	*	*	*	*	*	*		*		
PAFZZ		SCREW, TAPPING, PAN HEAD MS24629-11 (9696)5		EA	2				-						
XAFZZ		PLUNGER ASSEMBLY		EA	6										
		70315-677 (78957)													
XAFZZ		SPRING, HELICAL, COMPRESSION		EA	7										
		300972-051 (79957)													
		GROUP C122 PANEL ASSEMBLY													
AFFFH		PANEL ASSEM9LY		EA	1									10	1
1		GB11670 (11136)			•										

S	ECTION VI	REPAIR PARTS FOR DIRECT S	SUPPOR			UPP	<u> DRTA</u>	<u>MD D</u>	EPOI	MAIN	HENA	ANCE		<u>TA-923/FSC</u>	
SOURCE CODE MAINT. (5) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)		0)
8							30 I	Day Ma	AINT. AL	.W.			⊑	ILLUSTF	RATIONS
128589	FEDERAL	DESCRIPTION		l			(6)			(7)		_਼ਰੂ	₹~4	(a)	(b)
88₹8₩	STOCK		USE	ᇦ	ᅙ		DS			GS		386		FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	∆		(a)	(b)	(c)	(a)	(b)	(c)	7.2.E	S ≥ Ξ	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	UNIT OF MEASURE	QTY. INCL. IN UNIT	1-20	21-50	` '	. ,	21-50	51-100	1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.		
						v	2.00	0	0		000				
PAFZZ	5805-003-2671	PANEL, MOUNTING		EA	1	*	*	*	*	*	*		*	10	2
1 71 22	3003 003 207 1	1059 (01794)		-^	'									10	_
PAFZZ	5935-978-4649	JACK, TELEPHONE		EΑ	2	*	*	*	*	*	*		*	10	3
		CHT337 (82389)													
PAFZZ	5935-224-4213	JACK, TELEPHÔNE		EA	2	*	*	*	*	*	*		*	10	4
		HT332A (82389)													
PAFZZ	5940-983-S051	TERMINAL BOARD		EA	1	*	*	*	*	*	*		*	10	5
D. 677		10-140 (717851		l _,		*	*	*	*	*	*		*	40	
PAFZZ		RESISTOR, VARIABLE		EA	1	,	_ ^	_ ^	•	•	_ ^		•	10	6
PAFZZ	5930-97q-2889	U12 (37942) SWITCH, ROTARY		EA	1	*	*	*	*	*	*		*	10	7
1 71 22	3330 374 2003	US26 (37942)		-^	'									10	'
		GROUP 010201			1										
		DIAL ASSEMBLY													
PAFZZ		DIAL, TELEPHONE		EΑ	1	*	*	*	*	*	*		*	10	8
		3390G450 (09712)													
		GROUP 010202		EA	1										
D 4 E 7 7	5000 000 0500	HOOKSWITCH		l _,		*	*	*		*				40	
PAFZZ	5930-236-6529	SWITCH, HOOK AT810610W (11136)		EA	1				"				"	10	9
		GROUP 010203													
		AMPLIFIER													
PAOZZ		AMPLIFIER, VARIABLE FREQUENCY		EΑ	1	*	*	*	*	*	*		*	10	10
		TLC410 (64294)													
		GROUP 010204			1	*	*	*	*	*	*		*		
		SPEAKER		l		*	*	*	*	*	*		*		
PAFZZ	5965-261-'086	LOUD, SPEAKER, PERMANENT MAGNET		EA	1	*	*	*	*	*	*		*	10	11
		30025 (74199) GROUP 0103			1										
		HANDSET			'										
PAOHH		HANDSET		EA	1	*	*	*	*	*	*		*	10	12
1.7.0		NC1800-03G3AR05T4 (97101)		-/ `	·									. •	'-
PAHZZ		TRANSMITTER, TELEPHONÉ		EΑ	1				*	*	*		*	10	13
		1912-09 (97101)													
		I .						1							

	SECTION XVI	REPAIR PARTS FOR DIRECT SUI	PPOF	RT, GE	NERAL S	UPPC	ORT A	ND D	EPOT	MAIN	ITENA	NCE		TA-923/FSC	;
SOURCE CODE MAINT. (1)	(2)	(3)		(4)	(5)		20.1	74 V M	AINT. AL	w		(8)	(9)		0) RATIONS
	ا خ خ FEDERAL	DESCRIPTION			<u> </u>		(6)	JAT WI	AIIVI. AL	-vv. (7)		1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP.	(a)	(b)
	STOCK		JSE	L 보	일		DS			GS		ALW 3CY	F H	FIGURE	REF./ITEM
	NUMBER		ON	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	R. J. N. J. N. J. M. J.	PO NO	NUMBER	NUMBER
	+	(MFR. PART NO.)	ODE	52	8≧	1-20	21-50	51-100	1-20	21-50	51-100	<u> </u>	245		
PAHZZ	5965-651-4358	RECEIVER, TELEPHONE 1590V (97t01)		EA	1			*	*	*			*	10	14
PAHZZ		CAP,RECEIVER 1811-03 (97101)		EA	1			*	*	*			*	10	15
		GROUP 0104 HEADSET													
РАОНН		HEADSET 1574-5 (97101)		EA	1	*	*	*	*	*	*		*	5 FOR BREAKD SECTION VI,GI	1 OWN SEE
XAHZZ		HANDSET 1800(971t1i		EA	1									OLOTION VI,OI	1001 0104
XBFZZ		BLOCK,JACK MOUNTING AP916 (111361		EA	1										
XBFZZ		PANEL,MOUNTING GB16T6 (11136)		EA	1										
XBFZZ		PANEL,MOUNTING GB6023L23 (11136)		EA	1										
					3-35										

SECTION XVIII

FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX

TA-925/FSC

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM Number	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM Number
5805-003-2671	10	2			
5805-258-6840	2	13			
5805-269-0320	1	1			
5895-173-7025	1	2			
5905-119-8811	9	4			
5930-236-6529	10	9			
5930-975-2889	10	7			
5935-003-7711	9	7			
5935-224-4213	10	4			
5935-240-5760	9	6			
5935-978-4649	10	3			
5940-262-2228	9	2			
5940-941-0201	10	5			
5940-983-5051	9	5			
5961-880-2938	10	8			
5965-261-8086	10	11			
5965-651-4358	3	14			
6240-115-5042	1	2			
6350-234-5581		32			

SECTION XVIII

FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX

TA-925/FSC

MANUFACTURER PART NUMBER	FED MFR CODE	FIGURE NUMBER	ITEM NUMBER
6508-3834 703016-509	46859 78957	1 3	1
703016-509 703016-511 703016-640	78957 78957 78957	3 9	1 1 2
703016-754	78957	9	1

SECTION XIX

ORGANIZATIONAL MAINTENANCE REPAIR PARTS LIST

TA-928/FSC

SOURCE CODE MAINT. (L) CODE REC. CODE	(2)	(3)			(4)	(5)			NIZATIO	NAL	ILLUSTI	7) RATIONS
SOUI CODI CODI REC.	FEDERAL STOCK NUMBER	DESCRIPTION REF. NUMBER MFR. CODE (MFR. PART NO.)		USE ON CODE	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	7. (C)	51-100 ©	(a) Figure Number	(b) REF./ITEM NUMBER
	5805-269-0323	GROUP 01 O/W UNIT, EXP-LK-LCL TA-928/FSC O/W UNIT,EXP-LK-LCL TA-928/FSC 6505-3820 (46859) GROUP 0102								*		
РАОНН		ROTARY DIAL MOUNTING PANEL ASSEMBLY GB11767 (111361			EA	1	*	*	*	*	12	3
		GROUP 0103 SPEAKER ASSEMBLY										
PAOHD		SPEAKER ASSEMBLY 6505-3828 (46859)			EA	1	*	*	*	*	12	6
		GROUP 0104 HANDSET										
РАОНН		HANDSET NC1800-03G3AR15T4 (97101)			EA	1	*	*	*	*	4	8
		GROUP 0105 HEADSET										
РАОНН		HEADSET 1574-5 (971011			EA	1	*	*	*	*	5	1
			B-38									

SECTION XXI

REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

TA-928/FSC

(1) 円	(2)	(3)		(4)	(5)							(8)	(9)		0)
SOURCE CODE MAINT. (1) CODE REC. CODE	FEDERAL	DECODIDATION						DAY MA	AINT. AL			1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.		RATIONS
	FEDERAL STOCK	DESCRIPTION	USE	₩	C.		(6) DS			GS		×ä≻	MRH.	(a) FIGURE	(b) REF./ITEM
0020E	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	AI TG	P Z Z	NUMBER	NUMBER
	NOMBER		CODE	E/S	ΣΩ Ω	(a) 1-20				21-50	(c) 51-100	,	9 A E E	NOWBER	NOWBER
		,	-					000			000				
AFFFH	5805-269-1323	GROUP 01 O/W UNIT, EXP-LX-LCL-TA-928/FSC O/W UNIT, EXP-LK-LCL TA-928/FSC 6505-3820 (46859) GROUP 0101 CALL DIRECTOR ASSEMBLY CALL DIRECTOR ASSEMBLY 6505-3837 (46859)		EA	1										
		GROUP 010101													
PAFHH		SF OSCILLATOR-BUZZER ASSEMBLY SIGNALLING FREQUENCY OSC		EA	1	*	*	*	*	*	*		*	1	l ₁
' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '		6505-3834 (46859)			· ·									'	<u>'</u>
		GROUP 01010101 SF OSCILLATOR													
АНННН	5895-173-7025	OSCILLATOR OSCILLATOR ASSEMBLY		EA	1									1	2
		49009-01 (51504)													
		GROUP 01010102 BUZZER													
PAFZZ	6350-239-5581	BUZZER													
		SC24 (37942)													
		GROUP 010102 CALL DIRECTOR													
AFFFH		TELEPHONE BOARD SWITCHBOARD		EA	1									11	1
PAFZZ	5940-262-2228	703016-507 (78957) TERMINAL BOARD		EA	1	*	*	*	*	*	*		*	11	2
FAFZZ	3940-202-2226	703016-640 (78957)		EA	!									' '	2
PAFZZ		CAPACITOR, FIXED, ELECTROLYTIC		EA	1	*	*	*	*	*	*		*	11	3
PAFZZ	5905-110-0991	TT100X2 (37942) RESISTOR, FIXED, COMPOSITION		EA	1	*	*	*	*	*	*		*	 ₁₁	4
		RCR32G151JS (81349)												' '	
PAFZZ	5940-941-0201	TERMINAL, LUG		EA	9	*	*	*	*	*	*		*	11	5
PAFZZ	5935-240-6760	41566-000 (78957) CONNECTOR, PLUG, ELECTRICAL		EA	5	*	*	*	*	*	*		*	11	6
		304145-271 (78957)													
					20										
					3-39										

TA-928/FSC

SECTION XXI

SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)		30 [DAY MA	AINT. AL	_W.		(8)	(9)		(0) RATIONS
SO NO SO	FEDERAL	DESCRIPTION	нег	. #	CL.		(6) DS			(7) GS		 CY	MAIN UP.	(a)	(b)
0,0201	STOCK Number	REF. NUMBER MFR. CODE (MFR. PART NO.)	USE ON CODE	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1 YR. ALW. PER 100 EQUIP.® CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	FIGURE Number	REF./ITEM NUMBER
		· · · · · · · · · · · · · · · · · · ·	2022				2.00	0. 100	. 20	2.00	01 100				
PAFZZ	5961-880-2938	SEMICONDUCTOR DEVICE DIODE 1N4003 (04713)		EA	1	*	*	*	*	*	*		*	11	7A
PAFZZ	5935-003-7711	CONNECTOR,PLUG,ELECTRICAL 304146-874 (78957)		EA	5	*	*	*	*	*	*		*	11	7
PAHZZ	5905-106-3666	RESISTOR,FIXED,COMPOSITION RCR07G103JS (81349)		EA	1				*	*	*		*	11	8
PAFZZ		RESISTOR,FIXED,COMPOSITION RCR42G2C2JS (81349)		EA	1	*	*	*	*	*	*		*	11	9
PAFZZ	5961-184-7435	SEMICONDUCTOR, DEVICE, DIODE		EA	1	*	*	*	*	*	*		*	11	10
PAFZZ	5905-119-9811	1N5359 (04713) RESISTOR.FIXED,COMPOSITION RCR07G51JS (81349) GROUP 01010201		EA	1	*	*	*	*	*	*		*	11	11
PAFZZ		NETWORK NETWORK QNB3A4 (01794) GROUP 01010202		EA	1	*	*	*	*	*	*		*	11	12
PAFZZ	5805-258-5840	DIAL ASSEMBLY DIAL ASSEMBLY, PUSHBUTTON 200054-221 (78957)		EA	1	*	*	*	*	*	*		*	2 FOR BREAKD SECT. VI, GROU	
PAFZZ		GROUP 01010203 KEY ASSEMBLY PUSHBUTTON ASSEMBLY 703016-510 (78957) GROUP 01010204 KEY ASSEMBLY		EA	1	*	*	*	*	*	*		*	3 FOR BREAKD SECT. VI, GROU	1 OWN SEE
PAFZZ		PUSHBUTTON ASSEMBLY 703016-510 (78957)		EA	2	*	*	*	*	*	*		*	3 FOR BREAKD SECT. VI, GROU	
XBFZZ		BRACKET, ANGLE P11E903 (01794)		EA	1									SECT. VI, GROC	P 01010204
XBFZZ		BRACKET, ANGLE		EA	1										
XBFZZ		703016-637 (78957) BRACKET, ANGLE 703016-756 (78957)		EA	1										
		, ,		6	3-40										
								_							

REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

SECTION XXI

SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)	(4)	(5)		30 [DAY MA	AINT. AL	.W.		(8) <u>a</u>	(9) ⊢	(1 ILLUSTF	<i>'</i>
SOUR CODE MAINI CODE	FEDERAL STOCK	DESCRIPTION USE	 #	ا ان		(6) DS			(7) GS		LW. C₹	MAIN UP.	(a) FIGURE	(b) REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE ON (MFR. PART NO.) CODE	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100	1 YR. ALW. PER 100 EQUIP. ® CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	NUMBER	NUMBER
MFFZZ		CABLE ASSEMBLY	EA	1										
PAFZZ	5305-057-0509	703006-896 (78957) SCREW. MACHINE	l _{EA}	10	*	*	*	*	*	*		*		
		MS51958-12 (96906)							*					
PAFZZ	5305-763-7827	SCREW, MACHINE MS51959-18 (96906)	EA	5	*	*	*	*	*	*		*		
XBFZZ		HOOD, CONNECTOR	EA	5										
XBFZZ		304146-863 (78957) TERMINAL, LUG	EA	21										
XBFZZ		701019-933 (78957) FACEMAT	EA	1										
		703016-215 (78957)												
XBFZZ		HOUSING, CALL DIRECTOR 703060-414 (78957)	EA	1										
XBFZZ		PANEL, MOUNTING P894824 (01794)	EA	1										
XBFZZ		TERMINAL, LUG	EA	21										
XBFZZ		701019-933 (78957) FACEMAT	l _{EA}	1										
		703016-215 (78957)												
XBFZZ		HOUSING, CALL DIRECTOR 703060-414 (78957)	EA	1										
XBFZZ		PANEL, MOUNTING	EA	1										
XBFZZ		P894824 (01794) TERMINAL, LUG	EA	2										
PAFZZ	5805-003-2671	13-108S (72653) PANEL. MOUNTING	l _{EA}	2	*	*	*	*	*	*		*	12	1
I AI ZZ	3003-003-2071	1058 (01794)											12	
		GROUP 01010205 HOOKSWITCH												
PAFZZ	5930-236-5381	SWITCH, HOOK	EA	1	*	*	*	*	*	*		*	12	2
		703016-639 (78957) GROUP 0102												
PAOHH		ROTARY DIAL MOUNTING PANEL ASSEMBLY	l _{EA}	1	*	*	*	*	*	*		*	12	3
		G811767 (11136)												
PAHZZ	5935-978-4649	JACK, TELEPHONE MT337 (82389)	EA	2				*	*	*		*	12	4
		GROUP 010201												
PAHZZ		DIAL ASSEMBLY DIAL, TELEPHONE	EA	1				*	*	*		*	12	5
		3300G450 (09712)												

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SECTION XXI

REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

TA-928/FSC

SOURCE CODE MAINT. (L CODE REC. CODE	(2)	(3)		(4)	(5)		30 E	DAY MA	INT. AL	 .W.		(8) <u>a</u>	(9) ⊢	(1 ILLUSTF	0) RATIONS
SOUR CODE CODE CODE	FEDERAL STOCK	DESCRIPTION	USE	~쭒	IC.		(6) DS			(7) GS		ALW. 30 EQU	MAIN SUP.	(a) FIGURE	(b) REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE (MFR. PART NO.)	ON CODE	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100	1 YR. ALW. PER 100 EQUIP. ® CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	NUMBER	NUMBER
PAOHD PAHZZ PAHZZ PAHZZ		GROUP 0103 SPEAKER ASSEMBLY SPEAKER ASSEMBLY 6505-3828 (46859) GASKET 405-003 (34079) LOUDSPEAKER, PERMANENT MAGNET 203-002 (32001) RESISTOR, VARIABLE		EA EA EA	1 1 1	*	*	*	* * *	* * *	* * *		* * *	12 12 12 12	6 7 8 9
PAHZZ		905-009 (34079) KNOB		EA	1				*	*	*		*	12	10
XBFZZ		311-004 (34079) BLOCK, JACK MOUNTING GB882L5 (11136)		EA	1										
XAMZZ		HOUSING ASSEMBLY		EA	1										
XAHZZ		GB982-60 (11136) TERMINAL BOARD		EA	1										
XAHZZ		GB882L1 (11136) TERMINAL, LUG 60M (71785)		EA	11										
XAHZZ		TERMINAL BOARD GB882L4 (11136)		EA	1										
XAHZZ		TERMINAL, LUG		EA	11										
XAHZZ		60M (71785) BRACKET, DOUBLE ANGLE 400-090 (34079)		EA	1										
XAHZZ		HOUSING 700-019 (34079)		EA	1										
XAHZZ		PLATE, MOUNTING 400-074 (34079)		EA	1										
XAHZZ		SCREEN, METAL		EA	1										
АНННН		400-075 (34079) CIRCUIT CARD ASSEMBLY		EA	1									13	1
		6505-3828BDASSY (46859)		I	3-42										

SECTION XXI

REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

TA-928/FSC

(1)	(2)	(3)		(4)	(5)		30 E	DAY MA	NNT. AL	.W.		(8)	(9) <u>⊢</u>	(1 ILLUSTR	
SOURCE CODE MAINT CODE	FEDERAL STOCK	DESCRIPTION	USE	_ H	ا .		(6) DS			(7) GS		LW. 0 EQU 3CY	MAIN PER UIP.	(a) FIGURE	(b) REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE (MFR. PART NO.)	ON CODE	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100	1 YR. ALW. PER 100 EQUIP. © CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	NUMBER	NUMBER
PAHZZ	5905-114-5425	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	13	2
PAHZZ	5905-104-8349	RCR20G362JS (81349) RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	13	3
PAHZZ	5905-114-5430	RCR20G511JS (81349) RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	13	4
PAHZZ		RCR20G433JS (81349) TRANSISTOR 903-001 (34079)		EA	1				*	*	*		*	13	5
PAHZZ	5905-114-5407	RESISTOR, FIXED, COMPOSITION RCR20G271JS (81349)		EA	1				*	*	*		*	13	6
PAHZZ	5905-141-1168	RESISTOR, FIXED, COMPOSITION RCR20G222JS (81349)		EA	1				*	*	*		*	13	7
PAHZZ	5905-131-9395	RESISTOR, FIXED, COMPOSITION RCR20G131JS (81349)		EA	1				*	*	*		*	13	8
PAHZZ		CAPACITOR, FIXED 900-089 (34079)		EA	2				*	*	*		*	13	9
PAHZZ	5961-542-7308	TRANSISTOR 2N657 (81349)		EA	1				*	*	*		*	13	10
PAHZZ		CAPACITOR, FIXED 900-111 (34079)		EA	2				*	*	*		*	13	11
PAHZZ		TRANSFORMER, AUDIO FREQUENCY 200-017 (34079)		EA	1				*	*	*		*	13	12
PAHZZ		CAPACITOR, FIXED 900-090 (34079)		EA	1				*	*	*		*	13	13
PAHZZ		CAPACITOR, FIXED 900-011 (34079)		EA	1				*	*	*		*	13	14
PAHZZ		SEMICONDUCTOR DEVICE, DIODE 902-003 (34079)		EA	1				*	*	*		*	13	15
PAHZZ		SEMICONDUCTOR DEVICE, DIODE 1N53618 (04713)		EA	1				*	*	*		*	13	16
PAHZZ		RESISTOR, FIXED, WIRE WOUND 4409A (44655)		EA	1				*	*	*		*	13	17
PAHZZ		TRANSFORMER, AUDIO FREQUENCY 200-022 (34079)		EA	1				*	*	*		*	13	18
		(=:===============================		l	B-43										

TA-928/FSC

SECTION XXI

SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)			DAY MA	INT. AL			1 YR. ALW. PER 100 EQUIP. © CONTGCY	(9)	(1 ILLUSTR	RATIONS
SOU COD COD REC	FEDERAL STOCK	DESCRIPTION	USE	L 발	닐.		(6) DS			(7) GS		LW. 00 EQ. SCY	MAI VER VIP.	(a) FIGURE	(b) REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE (MFR. PART NO.)	ON CODE	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100	1 YR. A PER 10 CONTG	DEPOT MAINT. ALW PER 100 EQUIP.	NUMBER	NUMBER
PAHZZ		RESISTOR, FIXED, COMPOSITION RCR20G1R2JS (81349)		EA	1				*	*	*		*	13	19
PAHZZ	5905-935-8541	RESISTOR, FIXED, COMPOSITION RCR20G301JS		EA	1				*	*	*		*	13	20
XAHZZ		HEAT SINK 223085 (13103)		EA	1										
XAHZZ		INSULATOR, TRANSISTOR 303-002 (34079)		EA	2										
XAHZZ		PRINTED WIRING BOARD 801-020 (34079)		EA	1										
		GROUP 0104 HANDSET													
РАОНН		HANDSET NC1800-03G3AR15T4 (97101)		EA	1	*	*	*	*	*	*		*	4 FOR BREAKDO SECT. VI, GRO	8 DWN SEE JUP 0104
		GROUP 0105 HEADSET													
РАОНН		HEADSET 1574-5 (97101)		EA	1	*	*	*	*	*	*		*	5 FOR BREAKDO SECT. VI, GRO	1 DWN SEE UP 0104
				E	-44										

SECTION XXIII

FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX

TA-928/FSC

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM Number	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM Number
5805-003-2671	12	1			
5805-258-6840	2	13			
5805-269-0323	1	1			
589S-173-7025	1	2			
5905-104-3349	13	3			
5905-106-3666	11	8			
5905-11G-0991	11	4			
5905-114-5407	13	6			
5905-114-5425	13	2			
5905-114-5430	13	4			
5905-119-8611	11	11			
5905-131-9395	13	8			
5905-141-1168	13	7			
5905-935-5541	13	20			
5930-236-6381	12	2			
5935-003-77tl1	11	7			
5935-24C-6760	11	6			
5935-978-4649	12	4			
5940-262-2228	11	2			
5940-941-0201	11	5			
5961-184-7435	11	10			
5961-542-7306	13	10			
5961-880-2936	11	7A			
6350-239-5581	1	32			

TA-925/FSC

	SECTION XVIII	FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX
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SECTION XVIII	FEDERAL STOCK NUMBER A	ND REFERENCE NUMBER INDEX	T/
MANUFACTURER	FED MFR	FIGURE	ITEM
PART NUMBER	CODE	NUMBER	NUMBER
GB11767	11136	12	3
MT337	82389	12	4
NC1800-03G3AR15T4	97101	4	8
QNB3A4	01794	11	12
RCR07G103JS	81349	11	8
RCR07G151JS	81349	11	11
RCR20G1R2JS	81349	13	19
RCR20G131JS	81349	13	8
RCR20G222JS	81349	13	7
RCR20G271JS	81349	13	6
RCR20G301JS	81349	13	20
RCR20G362JS	81349	13	2
RCR20G433JS	81349	13	4
RCR20G511JS	81349	13	3
RCR32G151JS	81349	11	4
RCR42G202JS	81349	11	9
SC24	37942	1	32
TT100X2	37942	11	3
1N4003	04713	11	7A
1N5359	04713	11	10
1N5361B	04713	13	16
105B	01794	12	1
1574-5	97101	5	1
2N657	81349	13	10
200-017	34079	13	12
200-022	34079	13	18
200054-221	78957	2	13
203-002	32001	12	8
304145-271	78957 70057	11	6
304146-874	78957 34079	11 12	7 10
311-004 33000450	09712	12	5
405-003	34079	12	5 7
41566-000	78957	12	5
41300-000 4409A	44655	13	
49009-01	51504	1	2
6505-3820	46859	1	1
6505-3828	46859	12	6
6505-3828BDASSY	46859	13	1
6505-3834	46859	1	1
6505-3837	46859	1	1
703016-507	78957	11	1
703016-509	78957	11	13
703016-510	78957	11	13
703015-639	78957	12	2
703016-640	78957	11	2
900-011	34079	13	14
900-089	34079	13	9
900-090	34079	13	13
900-111	34079	13	11
		D_46	

SECTION XVIII

FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX

TA-925/FSC

MANUFACTURER	FED MFR	FIGURE	ITEM
PART NUMBER	CODE	NUMBER	Number
902-033	34079	13	15
903-001	34079	13	5
905-009	34079	12	9

SECTION XXIV

ORGANIZATIONAL MAINTENANCE REPAIR PARTS LIST

TA-918(v)1/FSC THRU TA-918(v)8/FSC

SOURCE CODE MAINT. (L) CODE REC. CODE	(2)	(3)		(4)	(5)			NIZATIO	IAL	ILLUST	7) RATIONS
	FEDERAL STOCK	DESCRIPTION	USE	. H	CL.		AINT. ALV		(-1)	(a) FIGURE	(b) REF./ITEM
00201	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(d) 8	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	SE	ΔŢΝ	1-5	6-20	21-50	51-100		
		GROUP 01									
		O/W INTERCOM TERM UNIT ORDERWIRE INTERCOMM TERM UNIT									
		TA-918(v)1/FSC THRU TA-918(v)8/FSC									
		GROUP 0101									
		PANEL, FUSE SB-3751/FSC									
PDOHD		FUSE PANEL SB-3751/FSC		EA	1	*	*	*	*	14	1
PAOZZ	5920-857-8417	12734-1 (21870) FUSE		EA	10	*	*	*	*	14	7
FAULZ	0820-007-0417	GMT5 (71400)		=	10					14	'
PAOZZ	5920-857-8933	FUSE		EΑ	15	*	*	*	*	14	8
		GMT2 (71400)									
PAOZZ	6240-683-0560	LAMP, GLOW		EA	1	*	*	*	*	14	10
PAOZZ	5920-857-8416	345 (71744) FUSE		EA	15	*	*	*	*	14	14
PAUZZ	3920-637-6416	GMT1-1-3 (71400)		EA	15					14	14
PAOZZ	5920-280-5066	FUSE, CARTRIDGE		EA	1	*	*	*	*	15	8
		313005 (75915)			•						
		GROUP 010201									
	5005 407 4400	LINE CARD		۱_,		*	•	4	*	40	
PAOHH	5895-167-1183	CIRCUIT CARD ASSEMBLY LC401-4 (15960)		EA	1					16	1
		GROUP 010202									
		INTERRUPTER ASSEMBLY									
PAOHH	5895-167-1270	CIRCUIT CARD ASSEMBLY		EA	1	*	*	*	*	17	1
		INT9740 (15960)									
		GROUP 0103 COMMON EQUIPMENT SHELF									
PD0HD		EQUIPMENT SHELF		ΕA	2	*	*	*	*	18	1
		41010-96 (51504)			_					.0	
		, ,									
		GROUP 010301									
		DTMF TONE RECEIVER									
		B-48									

SECTION XXIV

ORGANIZATIONAL MAINTENANCE REPAIR PARTS LIST

TA-918(v)1/FSC THRU TA-918(v)8/FSC

SOURCE CODE MAINT (L) CODE REC. CODE	(2)	(3)		(4)	(5)	15 D	(6) AY ORGA	NIZATION	NAL .		7) RATIONS
SOUR SOUR SODE SODE REC. (FEDERAL STOCK	DESCRIPTION	SE !	ᇤ	닝.	(a)	AINT. ALV (b)	V. (c)	(d)	(a) FIGURE	(b) REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE 0	ON	UNIT OF MEASURE	QTY. INCL. IN UNIT		6-20	21-50 (3	51-100 (5	NUMBER	NUMBER
		(MFR. PART NO.)	DDE :	⋾⋝	σ≧	1-5	Ğ	21	51		
PAOHD	5895-173-7051	RECEIVER, TONE 40452-01 (51504) GROUP 010302		EA	2	*	*	*	*	19	1
PAOHH	5895-173-7023	DIGIT DECODER DECODER, DIGIT 40451-01 (51504) GROUP 010303		EA	2	*	*	*	*	21	1
PAOHD		SF DETERMINING AND OSCILLATOR DETECTOR, SINGLE FREQUENCY OSC 41063-02 (51504) GROUP 010304		EA	2	*	*	*	*	22	1
PAOHD	5895-173-7035	4W/2W HYBRID MODULE NETWORK, HYBRID CIRCUIT 49008-01 (51504) GROUP 010305		EA	2	*	*	*	*	24	1
PAOHD	5895-174-3549	4W/2W HYBRID WITH 2.7 KHZ FILTER NETWORK, HYBRID CIRCUIT 49008-02 (51504) GROUP 010306		EA	2	*	*	*	*	25	1
PAOHD		SF DETECTOR DETECTOR, SINGLE FREQUENCY 41063-01 (51504) GROUP 010307 DC/DC POWER SUPPLY									
PAOHD	5895-195-0582	POWER SUPPLY 41028-01 (51504)		ΕA	1	*	*	*	*	28	1
PAOZZ		LIGHT, INDICATOR 11-507 (72765)		EA	1	*	*	*	*	28	3
PAOZZ	5920-280-3178	FUSE, CARTRIDGE MDL2-1-2 (71400)		EA	1	*	*	*	*	28	9
		B-49									

REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)		30 E	DAY MA	INT. AL	.W.		(8) <u>a</u>	(9) L	(1 ILLUSTR	
SOUR CODE MAINT CODE REC. C	FEDERAL STOCK	DESCRIPTION US	, I.		J.		(6) DS	- 1		(7) GS		LW. 0 EQU	MAIN' ER UIP.	(a) FIGURE	(b) REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE ON (MFR. PART NO.) COL	- 3 <u> </u> E =	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100	1 YR. ALW. PER 100 EQUIP. © CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	NUMBER	NUMBER
PDOHD PAHZZ PAHZZ XBHZZ	5961-577-6214	GROUP 01 O/W INTERCOM TERM UNIT ORDERWIRE INTERCOMM TERM UNIT TA918(v)1/FSC THRU TA-918(v)8/FSC GROUP 0101 PANEL, FUSE SB-3751/FSC FUSE PANEL SB-3751/FSC 12734-1 (21870) SEMICONDUCTOR DEVICE, DIODE 1N538 (81349) SOCKET, RELAY 30055-1 (02288) RELAY, ARMATURE	E	EA EA EA	1 4 1	*	*	*	* *	* *	* *		* *	14 14 14 14	1 2 3 4
PAHZZ	5905-070-3369	T154-206V (21870) RESISTOR, FIXED, WIRE WOUND		EA	1				*	*	*		*	14	5
PAHZZ	5920-968-3238	247E4015 (56289) FUSEHOLDER	E	EA	40				*	*	*		*	14	6
PAOZZ	5920-857-8417	HLT (71400) FUSE	E	EA	10	*	*	*	*	*	*		*	14	7
PAOZZ	5920-857-8933	GMT5 (71400) FUSE GMT2 (71400)		EA	15	*	*	*	*	*	*		*	14	8
PAHZZ	5905-958-7253	RESISTOR, FIXED, WIRE WOUND 247E5005 (56289)	E	EA	1				*	*	*		*	14	9
PAOZZ	6240-683-0560	LAMP, GLOW 345 (71744)	E	EA	1	*	*	*	*	*	*		*	14	10
PAHZZ		SWITCH, PUSH 513-0101-604 (72619)	E	EA	1				*	*	*		*	14	11
PAHZZ		CAP, ELECTRICAL 185-1871 (72619)	E	EA	1				*	*	*		*	14	12
PAHZZ	5905-984-3312	RESISTOR, FIXED, WIRE WOUND 247E3015 (56289)	E	EA	1				*	*	*		*	14	13
PAOZZ	5920-857-8416	FUSE GMT1-1-3 (71400)	E	EA	15	*	*	*	*	*	*		*	14	14
				E	3-50										

REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

(1) = 0	(2)	(3)		(4)	(5)		30 E	DAY MA	NNT. AL	.W.		1 YR. ALW. PER 100 EQUIP. © CONTGCY	(9) _	(10 ILLUSTR	'
SOURCE CODE MAINT CODE	FEDERAL	DESCRIPTION		щ	<u>ب</u>		(6)			(7)		W. EQUI	DEPOT MAINT. ALW. PER 100 EQUIP.	(a)	(b)
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			ISE	유	≅ <u>≒</u>		DS			GS		465	OT I	FIGURE	REF./ITEM
	NUMBER		ON ODE	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100	1 YR PER CON	DEP ALW 100	NUMBER	NUMBER
XNHZZ		BAR, RETAINER		EA	4										
		A12740 (21870)													
PAHZZ	5310-934-8748	NUT, PLAIN, HEXAGON MS35649-244 (96906)		EA	16				*	*	*		*		
PAHZZ	5305-765-4352	SCREW, MACHINE MS51959-31 (96906)		EA	8				*	*	*		*		
PAHZZ	5310-929-6395	WASHER, LOCK MS35338-136 (96906)		EA	16				*	*	*		*		
XBHZZ		BAR, SUPPORT 812708-5 (21870)		EA	1										
PAHZZ	5305-054-6668	SCREW, MACHINE MS51957-43 (96906)		EA	4				*	*	*		*		
PAHZZ	5310-933-8119	WASHER, LOCK MS35338-137 (96906)		EA	4				*	*	*		*		
MHHZZ		CABLE ASSEMBLY, POWER 12742 (21870)		EA	2										
XBHZZ		12742 (21670) CHASSIS, ELECTRICAL EQUIPMENT 12737-1 (21870)		EA	1										
PAHZZ	5310-934-9761	NUT, PLAIN, HEXAGON MS35649-264 (96906)		EA	12				*	*	*		*		
PAHZZ	5305-770-2779	SCREW, MACHINE MS51959-15 (96906)		EA	4				*	*	*		*		
PAHZZ	5310-933-8118	WASHER, LOCK MS3538-135 (96906)		EA	12				*	*	*		*		
XBHZZ		BRACKET, ANGLE 812739 (21870)		EA	1										
PAHZZ	5310-934-9761	NUT, PLAIN, HEXAGON MS35649-264 (96906)		EA	3				*	*	*		*		
PAHZZ	5305-054-5648	SCREW, MACHINE MS51957-14 (96906)		EA	3				*	*	*		*		
PAHZZ	5310-933-8118	WASHER, LOCK MS35338-135 (96906)		EA	11				*	*	*		*		
PAHZZ		CHASSIS, ELECTRICAL EQUIPMENT C12738 (21870)		EA	1				*	*	*		*		
		012730 (21070)													
				E	S-51										

REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

(1)	(2)	(3)		(4)	(5)		30 Г	DAY MA	INT. AL	W.		1 YR. ALW. PER 100 EQUIP. © CONTGCY	(9)	(1 ILLUSTR	
SOURCE CODE MAINT CODE REC. COD	FEDERAL	DESCRIPTION		щ	ب		(6)			(7)		.w. EQUI	DEPOT MAINT. ALW. PER 100 EQUIP.	(a)	(b)
	STOCK Number		USE On	OF SUR	≅ <u>≒</u>	(-)	DS	(-)	(-)	GS	I (-)	100 17G(OT V. PE EQU	FIGURE Number	REF./ITEM Number
	NOWBER		ODE	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100	1 YF PER CON	DEP ALV 100	NOWIDER	NUMBER
XBHZZ		GROMMET, RUBBER		EA	1										
XBHZZ	5940-902-5611	2172 (83330) TERMINAL, INSULATED		EA	8										
PAHZZ	5305-054-5646	4814-1-0516 (71279) SCREW, MACHINE		EA	8				*	*	*		*		
XBHZZ		MS51957-12 (96906) CHASSIS, ELECTRICAL EQUIPMENT		EA	1										
XBHZZ		012736 (21870) FRONT PANEL FUSE PANEL		EA	1										
PAHZZ	5305-719-5064	012735 (21870) SCREW, MACHINE		EA	4				*	*	*		*		
XBHZZ		MS51959-30 (96906) PLATE, IDENTIFICATION A10615 (21870)		EA	1										
XBHZZ		SPACER 8451 (83330)		EA	2										
XBHZZ		TERMINAL STRIP 601Y6 (75382)		EA	1										
PAHZZ	5305-054-6655	SCREW, MACHINE MS51957-31 (96906)		EA	4				*	*	*		*		
PAHZZ	5310-722-5998	WASHER, FLAT MS15795-805 (96906)		EA	4				*	*	*		*		
XBHZZ		TERMINAL STRIP 411-1904-20 (75382)		EA	4										
PAHZZ	5305-614-0260	SCREW, MACHINE MS35265-17 (96906) GROUP 0102		EA	8				*	*	*		*		
AOOFO		PC CARD RACK ASSEMBLY CABINET, ELECTRICAL EQUIPMENT		EA	1									15	1
	5940-472-4604	LCC9748 (15960) TERMINAL BORAD		EA	2	*	*	*	*	*	*		*	15	2
	5905-111-4858	PJ610 (70674) RESISTOR, FIXED, COMPOSITION		EA	1	*	*	*	*	*	*		*	15	3
				,	•									-	-
				E	3-52										

REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)		30 E	DAY MA	AINT. AL	.W.		(8) <u>≞</u>	(9) ட	(1 ILLUSTR	
	FEDERAL	DESCRIPTION		ш	ی ا		(6)			(7)		>¤ KE<	M SK G F SK G F SK G	(a)	(b)
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	STOCK Number	REF. NUMBER MFR. CODE	USE On	유똜	≥=		DS			GS		455 1367		FIGURE Number	REF./ITEM NUMBER
	INUIVIBER	(MFR. PART NO.)	CODE	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100	1 YR. ALW. PER 100 EQUIP. S CONTGCY	DEPOT MAINT ALW. PER 100 EQUIP	NUMBER	NUMBER
PAFZZ	5940-926-9807	TERMINAL BOARD 353-11-03-001 (71785)		EA	1	*	*	*	*	*	*		*	15	4
PAFZZ	5325-829-3887	GROMMET, PLÀSTIC G402 (92219)		EA	1	*	*	*	*	*	*		*	15	5
PAFZZ	5905-552-5478	RESISTOR, VARIABLE RV4NAYSD102A (81349)		EA	1	*	*	*	*	*	*		*	15	6
PAFZZ	5920-462-7136	FUSEHOLDER `		EA	1	*	*	*	*	*	*		*	15	7
PAOZZ	5920-280-5066	342015 (75915) FUSE, CARTRIDGE		EA	1	*	*	*	*	*	*		*	15	8
PAFZZ	5935-264-5611	313005 (75915) CONNECTOR, RECEPTACLE, ELEC		EA	12	*	*	*	*	*	*		*	15	9
PAFZZ	5945-465-9919	00-6007-044-452-012 (91662) KEY, POLARIZING		EA	12	*	*	*	*	*	*		*	15	10
XBFZZ		60-6002-31-24 (91662) BRACKET, DOUBLE ANGLE		EA	2										
XBFZZ		171-006 (15960) BUSHING		EA	12										
PAFZZ	5310-934-9759	14-1001 (15960) NUT,P LAIN, HEXAGON		EA	16	*	*	*	*	*	*		*		
PAFZZ	5305-054-6668	MS35649-284 (96906) SCREW, MACHINE		EA	8	*	*	*	*	*	*		*		
PAFZZ	5310-809-8546	MS51957-43 (96906) WASHER, FLAT		EA	8	*	*	*	*	*	*		*		
PAFZZ	5310-809-3365	MS27183-8 (96906 WASHER, LOCK		EA	16	*	*	*	*	*	*		*		
PAFZZ	5310-934-9748	MS35340-42 (96906) NUT, PLAIN, HEXAGON		EA	24	*	*	*	*	*	*		*		
PAFZZ	5305-177-5545	MS35649-244 (96906) SCREW, MACHINE		EA	26	*	*	*	*	*	*		*		
PAFZZ	5310-655-9505	MS51957-1120 (96906) WASHER, LOCK		EA	28	*	*	*	*	*	*		*		
XBFZZ		MS35340-40 (96906) COVER, TOP		EA	1										
		171-008 (15960)													
				E	-53										
	ĺ														

REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

(1) H	(2)	(3)		(4)	(5)		30 Г	DAY MA	INT. AL	W.		1 YR. ALW. PER 100 EQUIP. © CONTGCY	(9)	(1 ILLUSTR	<i>'</i>
SOURCE CODE MAINT.	FEDERAL	DESCRIPTION		щ	ی		(6)			(7)		W. EQUI	DEPOT MAINT. ALW. PER 100 EQUIP	(a)	(b)
8050E			SE	ᇥ	≅≒		DS	\longrightarrow		GS		1557	[2]	FIGURE	REF./ITEM
	NUMBER		ON ODE	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100	1 YR PER CON	DEP ALW 100 I	NUMBER	NUMBER
PAFZZ	5305-054-5649	SCREW, MACHINE		EA	9	*	*	*	*	*	*		*		
XBFZZ		MS51957-15 (96906) GUIDE, CIRCUIT CARD		EA	24										
ABI ZZ		33-9016-12-01-04 (15960)			24										
XBFZZ		PANEL, MOUNTING 171-007 (15960)		EA	1										
MFFZZ		PLATE, DESIGNATION 63-9016-24-02 (91562)		EA	1										
XBFZZ		PLATE, MOUNTING 33-9016-13-01-02-148 (91662)		EA	2										
XBFZZ		PLATE, MOUNTING 63-9016-50-01-00-148 (91662)		EA	2										
PAFZZ	5310-934-9761	NUT, PLAIN, HEXAGON MS35649-264 (96906)		EA	16	*	*	*	*	*	*		*		
PAFZZ	5305-054-6653	SCREW, MACHINE MS51957-29 (96906)		EA	16	*	*	*	*	*	*		*		
PAFZZ	5310-839-3770	WASHER, LOCK MS35340-41 (96906) GROUP 010201 LINE CARD		EA	16	*	*	*	*	*	*		*		
PAOHH	5895-167-1183	CIRCUIT CARD ASSEMBLY LC401-4 (15960)		EA	1	*	*	*	*	*	*		*	16	1
PAHZZ	5905-141-1168	RESISTOR, FIXED, COMPOSITION RCR20G222JS (81349)		EA	5				*	*	*		*	16	2
PAHZZ	5961-148-4501	SEMICONDUCTOR DEVICE, DIODE 1N4003 (04173)		EA	10				*	*	*		*	16	3
PAHZZ	5961-226-8584	TRANSISTOR 2N2222 (81349)		EA	3				*	*	*		*	16	4
PAHZZ	5905-106-1282	RESISTOR, FIXED, COMPOSITION RCR20G223JS (81349)		EA	3				*	*	*		*	16	5
PAHZZ	5905-141-0596	RESISTOR, FIXED, COMPOSITION RCR20G473JS (81349)		EA	1				*	*	*		*	16	6
PAHZZ		CAPACITOR, FIXED, ELECTROLYTIC TDC105M015AS (37942)		EA	2				*	*	*		*	16	7
				E	3-54										
		TDC105M015AS (37942)		ı	3-54										

(1) 111	(2)	(3)		(4)	(5)	<u> </u>							(9)		0)
╵╸╗	(2)	(3)		(4)	(3)		30 I	DΔV ΜΔ	AINT. AL	w		(8)			RATIONS
	FEDERAL	DESCRIPTION					(6)		1114 I . /1L			🚆	<u> </u>	(a)	(b)
SOURCE CODE MAINT. (1) CODE REC. CODE	STOCK	DESCRIPTION	USE	₩	占		DS			GS		≱≝≿	불꼾륵	FIGURE	REF./ITEM
8020E		DEE NUMBER MED CODE		흔둢	^홈 투							를 돌 절을 돌	무급		
	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1 YR. ALW. PER 100 EQUIP. S CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	⊃≥	0≥	1-20	21-50	51-100	1-20	21-50	51-100	<u> </u>	4 ←		
					_				*	*	*		*		
PAHZZ	5905-104-3346	RESISTOR, FIXED, COMPOSITION		EA	3				*	*	*		*	16	8
PAHZZ	5962-169-4730	R2R20G334JS (81349) INTEGRATED CIRCUIT		EA	1				*	*	*		*	16	9
FAUZZ	15962-169-4750	CD4001AE (86614)		EA	'									10	9
PAHZZ		CAPACITOR, FIXED, ELECTROLYTIC		EA	1				*	*	*		*	16	10
. ,		TDC476M010CS (37942)		_, `										'	'
PAHZZ	5935-104-5756	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	16	11
		R0G10CJS (81349)													
PAHZZ		CONTACT, ELECTRICAL		EA	2				*	*	*		*	16	12
		14-1018 (15960)													
PAHZZ	5935-238-5507	CONNECTOR, RECEPTACLE, ELEC		EA	2				*	*	*		*	16	13
DA1177	5005 440 0400	A2169 (27264)							*	*	*			4.0	
PAHZZ	5905-110-0196	RESISTOR, FIXED, COMPOSITION RCR2CGIO2JS (81349)		EA	1								"	16	14
PAHZZ	5120-471-1819	HANDLE, CIRCUIT CARD		EA	1				*	*	*		*	16	15
I ALIZZ	3120-471-1019	5005-09N (13103)		LA	'									10	'3
PAHZZ	5961-250-4722	DIODE, LIGHT EMITTING		EA	1				*	*	*		*	16	16
		CSL3 (50347)													
PAHZZ		SEMICONDÚCTOR DEVICE. DIODE		EA	1				*	*	*		*	16	17
		VTL9R7 (18178)													
PAHZZ	5945-238-5254	RELAY, REED		EA	1				*	*	*		*	16	18
		R2583-1 (156363)							*	*	*				l
PAHZZ	5910-261-6533	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	16	19
PAHZZ	5905-274-2235	411E334K (05844) RESISTOR, FIXED, WIRE WOUND		EA	1				*	*	*		*	16	20
FALIZZ	3903-274-2233	CPS-12:-CHM1CPCT (91637)		LA	'									10	20
PAHZZ		SEMICONDUCTOR DEVICE. DIODE		EA	1				*	*	*		*	16	21
		PT001 (01121)		_, `	·										
PAHZZ		RELAY, ARMÁTURE		EA	2				*	*	*		*	16	22
		670PK4C81 (29238)													
XAHZZ		PRINTED WIRING BOARD		EA	1										
		C1-1061 (1596)													
		ODOLID 044000													
		GROUP 0112C2													
		INTERRUPTED ASSEMBLY													
	1														

TM 11-5805-647-14
DT MAINTENANCE TA918(V)1/FSC THRU
TA-918(V)8/FSC

(1) HO	(2)	(3)		(4)	(5)							(8)	(9)	(1	0)
SOURCE CODE MAINT. CODE REC. COD							30 I	DAY MA	AINT. AL	.W.		1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	ILLUSTF	RATIONS
	FEDERAL	DESCRIPTION			ز		(6)			(7)		∀ec.	ME ~ G	(a)	(b)
82 ≥ 28		US		유흥	<u>≥</u> ⊑		DS			GS		ALV 00 GC	T N PEI	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE O		UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	R.H.	PO W.	NUMBER	NUMBER
		(MFR. PART NO.) CO	DE	52	σ≥	1-20	21-50	51-100	1-20	21-50	51-100	<u> </u>	DI Al		
PAOHH	5895-167-1270	CIRCUIT CARD ASSEMBLY INT9740 (15963)		EA	1	*	*	*	*	*	*		*	17	1
PAHZZ	5905-141-1168	RESISTOR, FIXED, COMPOSITION RCR2GG222JS (81349)		EA	5				*	*	*		*	17	2
PAHZZ	5905-116-5560	RESISTOR, FIXED, COMPOSITION RCRZ2GZ04JS (513493		EA	1				*	*	*		*	17	3
PAHZZ	5905-106-1282	RESISTOR, FIXED, COMPOSITION RCR2CG223JS (81349)		EA	2				*	*	*		*	17	4
PAHZZ	5910-261-6533	CAPACITOR, FIXED, PLASTIC DI 411E334K (05844)		EA	1				*	*	*		*	17	5
PAHZZ	5961-938-1135	SEMICONDUCTOR DEVICE, DIODE 1N4148 (81349)		EA	6				*	*	*		*	17	6
PAHZZ	5962-169-4728	INTEGRATED CIRCUIT CO4013AE (86684)		EA	1				*	*	*		*	17	7
PAHZZ	5961-843-2498	SEMICONDUCTOR DEVICE, DIODE 1N40C3 (04713)		EA	4				*	*	*		*	17	8
PAHZZ	5962-243-2555	INTEGRATED CIRCUIT CO4lt7AE (86684)		EA	1				*	*	*		*	17	9
PAHZZ	5905-104-5756	RESISTOR, FIXED, COMPOSITION RCR20G105JS (81349)		EA	1				*	*	*		*	17	10
PAHZZ	5961-250-4722	DIODE, LIGHT EMITTING OSL3 (5C347)		EA	1				*	*	*		*	17	11
PAHZZ	5935-156-4348	RESISTOR, FIXED, COMPOSITION PC-2CG154JS (81349)		EA	5				*	*	*		*	17	12
PAHZZ	5961-226-6584	TRANSISTOR 2N2222 (813493)		EA	2				*	*	*		*	17	13
PAHZZ	5961-146-8295	TRANSISTOR 2N223C8 (09214)		EA	4				*	*	*		*	17	14
PAHZZ		HEAT SINK 621 (058ZC)		EA	1				*	*	*		*	17	15
PAHZZ	5961-107-?571	TRANSISTOR 2N4922 (04713)		EA	1				*	*	*		*	17	16
PAHZZ	5961-250-4028	TRANSISTOR MJE110 (04713)		EA	3				*	*	*		*	17	17
			_					-						•	

(4)	(2)	(2)	(4)	(E)								(9)		10)
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)	(4)	(5)		20	DAVM	AINT. AI	W		(8)			RATIONS
│ᄚᇜᆣᇜᇰ		DECODIDEION					DATIVI	AIN I . AI			≞	ΙΈ		
	FEDERAL	DESCRIPTION	ц	ت ا		(6)			(7)		>¤≻		(a)	(b)
%Ω ≥ Ω≅		USE	ી ⊬≅	≥⊨		DS			GS		488 884	[품공	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE ON	UNIT OF MEASIBE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	NUMBER	NUMBER
		(MFR. PART NO.) COD	ᄝᆝᇰᄬ	b≥	1-20				21-50	51-100	│┴⊞당	జె4g		
		<u>,,,,,,,, .</u>		i		1	1			0				
		0.4.0.1.0.1.0.0.0.1.0.0.0.1.0.0.1.0.0.1.0.0.1.0.0.1.0.0.1.0.0.1.0.0.1.0.0.1.0.0.1.0.0.0.0.1.0.0.1.0.0.1.0.0.1.0.0.1.0.0.1.0.0.1.0.0.1.0.0.1.0.0.1.0.0.0.0.1.0.0.0.0.1.0.0.0.0.0.1.0	l	l .				*	*	*			l	l
PAHZZ		CAPACITOR, FIXED, PLASTIC DI	EA	1				*	*	*		*	17	18
		TOC106M601OS (37942)	l	l .				*	*				l	l
PAHZZ		SEMICONDUCTOR DEVICE, DIODE	EA	1				*	*	*		*	17	19
		SKF51A (24444)	l	l .									l	
PAHZZ	5905-141-0591	RESISTOR, FIXED, COMPOSITION	EA	1				*	*	*		*	17	20
DA1177	5000 400 4700	RCR20GI03JS (81349)	_,										1	0.4
PAHZZ	5962-169-4730	INTEGRATED CIRCUIT	EA	1				_ ^	Î	_ ^		_	17	21
VDUZZ		C040CIAE (866S4)	_,	l ,										
XBHZZ		BUSHING	EA	4										
DA1177	5005 054 5047	1560A (91833)	_,	l ,										
PAHZZ	5335-054-5647	SCREW, MACHINE	EA	4						. "				
PAHZZ	504C 505 6044	MS551957-13 (96906)	l _{EA}	l ,				*	*			*		
PAHZZ	5316-595-6211	WASHER, FLAT	EA	4										
XBHZZ		MS15795-303 (96906) PRINTED HIRING BOARD	EA	1										
ADRZZ		01-1062 (15960)	EA	'										
PAHZZ	531F-934-7?48	NUT,PLAIN,HEX4GON	l _{EA}					*	*	*		*		
FAUZZ	13317-934-7 :40	WS3564Q-244 (96906)	-	1 4										
PAHZZ	53C5-054-5651	SCREW, MACHINE	l _{EA}					*	*	*		*		
FAUZZ	3365-054-5651	NSS1957-17 (96906)	-	1 4										
PAHZZ	5310-543-2410	WASHER LOCK	l _{EA}					*	*	*		*		
1 71122	0010-040-2410	MS35338-40 (969061	-^	"										
		GROUP 0103												
		COMMON EQUIPMENT SHELF												
РООНО		EQUIPMENT SHELF	l ea		*	*	*	*	*	*		*	18	1
1.000		41010-96 (51574)	-/`	~									'	'
PAFZZ	5905-818-4866	RESISTOR, FIXED, WIRE WOUND	EA	1 1	*	*	*	*	*	*		*	18	2
' ' "	0000 010 1000	RH50-150H (91637)	-/`	·									'	-
PAFZZ		TERMINAL BOARD	l ea	1 1	*	*	*	*	*	*		*	18	3
		52A (71785)												-
PAFZZ	5961-199-5008	TRANSISTOR	l ea	l 1	*	*	*	*	*	*		*	18	4
		2N2S55 (81349)		1			1							
PAFZZ	5935-837-5718	CONNECTOR, RECPT, ELECTRICAL	EA	16	*	*	*	*	*	*		*	18	5
'		143-018-12 (13511)												-
		,					1							
							1							
							1						1	

TM 11-5805-647-14
SECTION XXVI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE TA918(V)1/FSC THRU
TA-918(V)8/FSC

SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)	(4)	(5)		30 [DAY MA	AINT. AL	.W.		(8)	(9) <u></u>	(1 ILLUSTR	
MAN	FEDERAL STOCK	DESCRIPTION USE	;;	۲.		(6) DS			(7) GS		1 YR. ALW. PER 100 EQUIP. (CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	(a) FIGURE	(b) REF./ITEM
WOZOE	NUMBER	REF. NUMBER MFR. CODE ON	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	R. Al 7 100 NTG	W POT	NUMBER	NUMBER
		(MFR. PART NO.) CODE	SW	β≧	1-20		51-100		21-50	51-100	<u>≻⊞8</u>	9.4.6		
XBFFZ		BRACKET, ANGLE 1410-2050 (51504)	EA	2										
PAFZZ	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)	EA	3	*	*	*	*	*	*		*		
PAFZZ	5305-054-5661	WASHER, LOCK MS535333-37 (96906)	EA	3	*	*	*	*	*	*		*		
PAFZZ	5305-054-6651	SCREW, MACHINE MSS51957-27 (96906)	EA	3	*	*	*	*	*	*		*		
PAFZZ	5305-054-6661	WASHER, LOCK MS35337-37 (96906)	EA	3	*	*	*	*	*	*		*		
XBFZZ		BUSHING, SLEEVE 61473WHITE (98291)	EA	2										
XBFZZ		CLIP, RETAINER 1405-223G (51504)	EA	2										
PAFZZ	5305-054-5649	SCREW, MACHINE MS51957-15 (96906)	EA	2	*	*	*	*	*	*		*		
PAFZZ	5310-193-7577	WASHER, LOCK MS3533315 (96906)	EA	2	*	*	*	*	*	*		*		
PAFZZ	5305-054-5649	SCREW, MACHINE MS51957-15 (96906)	EA	2	*	*	*	*	*	*		*		
PAFZZ	5310-193-7577	SCREW, MACHINE MS35333-36 (96906)	EA	2	*	*	*	*	*	*		*		
PAFZZ	5305-054-5649	SCREW, MACHINE MS55197-15 (96936)	EA	2	*	*	*	*	*	*		*		
PAFZZ	5310-193-7577	SCREW, MACHINE MS35333-36 (96906)	EA	2	*	*	*	*	*	*		*		
PAFZZ	5305-054-5649	SCREW, MACHINE MS51957-15 (96906)	EA	2	*	*	*	*	*	*		*		
PAFZZ	5335-054-5649	SCREW, MACHINE MS5157-15 (95906)	EA	2	*	*	*	*	*	*		*		
PAFZZ	5310-193-7577	SCREW, MACHINE MS35333-36 (96906)	EA	2	*	*	*	*	*	*		*		
PAFZZ	5305-054-5649	SCREW, MACHINE MS1957-15 (96916)	EA	2	*	*	*	*	*	*		*		

(1) 111	(2)	(3)	- 1	(4)	(5)	T						(8)	(9)		0)
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(5)		(+)	(3)		20 1		AINT. AL	\A/		(0)			RATIONS
│☆╙투╙႙		DECODIDATION						DAT IVIA	AIIVI. AL			l ≒	E		
	FEDERAL	DESCRIPTION		ш	تـ		(6)			(7)		-i¤≻	ቜፚዹ	(a)	(b)
%Ω ≥ Ω <u>R</u>	STOCK	U	SE	누움	9≥		DS			GS		1988 888		FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	NUMBER	NUMBER
		(MFR. PART NO.)	DDE	吕빌	∣b≧	1-20	21-50	51-100	1-20	21-50	51-100	주핊잉	4 A B		
		WII K. I / IKT IVO.)	72			1-20	21-30	31-100	1-20	21-30	31-100				
PAFZZ	5305-054-6668	SCREW, MACHINE		EA	2	*	*	*	*	*	*		*		
		MS51957-43 (96906)													
XBFZZ		TERMINAL, LUG		EA	1										
		1414-6 (83330)					*		*						
PAFZZ	5305-054-5647	SCREW, MACHINE		EA	1	*	*	*	*	*	*		*		
		MS51957-13 (96906													
PAFZZ	5310-193-7577	SCREW, MACHINE		EA	1	*	*	*	*	*	*		*		
		MS35333-36 (969063													
XBFZZ		TERMINAL PANEL REAQ		EA	1										
		1410-2220 (515043					*		*		*				
PAFZZ	5305-054-5650	SCREW. MACHINE		EA	6	*	*	*	*	*	*		*		
		MS51957-26 (96906)													
PAFZZ	5310-934-9761	NUT, PLAIN, HEXAGON		EA	2	*	*	*	*	*	*		*		
		MS35649-264 (96906)'													
PAFZZ	5305-054-6652	SCREW, MACHINE		EA	2	*	*	*	*	*	*		*		
		MS51957-28 (96906)													
XBFZZ		WASHER, NONMETALLIC		EA	1										
		495320-1 (32735)													
XBFZZ		WASHER, SHOULDER		EA	2										
		495334-7 (12735)													
		GROUP 013031													
		DTMF TONE RECEIVER			_	*	*	*	*	*	*			l	_
PAOHD	5895-173-7051	RECEIVER, TONE		EA	2	*	*	*	*	*	*		*	19	1
l		40452-01 (51504)												l	
AHHHD		CIRCUIT CARD ASSEMBLY		EA	1									19	2
		4404-1524 (51504)							*	*	*			l	
PAHZZ	5995-117-9388	RESISTOR, FIXED, COMPOSITION		EA	8				*	*	*		*	19	3
DA1177	5005 444 0744	RCYD7G1G4JS (813493		- ^					*	*	*			1.0	
PAHZZ	5935-114-0711	RESISTOR, FIXED, COMPOSITION		EA	11				•	•	_ ^		^	19	4
DA1177	5005 400 0000	RCR207G472JS (81349)		- ^	00				*	*	*			1.0	_
PAHZZ	5905-126-6683	RESISTOR, FIXED, COMPOSITION		EA	20				^	Î	_ ^		Î	19	5
	E00E 400 0000	RCD07G332JS (81349)		_,					*	*	*			1.0	
PAHZZ	5905-130-3666	RESISTOR, FIXED, COMPOSITION		EA	22				^	Î	_ ^		Î	19	6
		RCRC7G103JS (81349)													

(1) <u>w</u>	(2)	(3)		(4)	(5)	30 DAY MAINT. ALW.						(8)	(9)		0)
SOURCE CODE MAINT. (3) CODE REC. CODE							30 I	DAY MA	AINT. AL	.W.		<u>a</u> .	≟	ILLUSTF	RATIONS
	FEDERAL	DESCRIPTION					(6)			(7)			<u>N</u>	(a)	(b)
SS≹S§	STOCK		USE	ᆙᄦᆔ	걸		DS			ĠŚ		X=Z	NE NE	FIGURE	REF./ITEM
	NUMBER		ON	T0	ΞΞ	(a)	(b)	(c)	(a)	(b)	(c)	7.2 Y	e N E N	NUMBER	NUMBER
			CODE	UNIT OF MEASURE	QTY, INCL. IN UNIT	1-20		51-100	1-20	21-50	51-100	1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT ALW PER 100 EQUIP		
		(WITCH THE THOU	JUDE		_	120	21 00	01 100	1 20	21 00	01 100				
PAHZZ	5905-243-2517	RESISTOR, FIXED, FILM		EA	1				*	*	*		*	19	7
1 / 11 / 12 / 12	0000 2 10 2011	RNR65C52R3FS (81349)		_, `	•									'	'
PAHZZ	5905-141-1t83	RESISTOR, FIXED, COMPOSITION		EA	5				*	*	*		*	19	8
		RCRO7GIOIJS (81349)													
PAHZZ	5905-121-9932	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	19	9
		RCR07G391JS (81349)								*					
PAHZZ	5905-116-8552	RESISTOR, FIXED, COMPOSITION		EA	3				*	*	*		*	19	10
PAHZZ	5905-119-3503	QCR07G223JS (8349) RESISTOR, FIXED, COMPOSITION		EA	4				*	*	*		*	19	
FAUZZ	13903-119-3303	RCR07G27tJS (81349)		LA	4									19	11
PAHZZ	5905-105-7764	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	19	12
174122	0000 100 1104	RCR07G222JS (81349)			_									10	'-
PAHZZ	5905-119-8769	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	19	13
		RCR07GS21JS (81349)													
PAHZZ	5905-141-0717	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	19	14
		RCR707473JS (81349)									١.				
PAHZZ	5905-114-5343	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	19	15
PAHZZ	E00E 404 40EE	RCRO7G162JS (813493		EA	0				*	*			*	40	40
PAHZZ	5905-131-1255	RESISTOR, FIXED, COMPOSITION RCR07G122JS (813493		EA	9									19	16
PAHZZ	q905-119-8812	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	19	17
1 / 11	9000 110 0012	RCR07G121JS (81349)		_, `	•									10	' '
PAHZZ	5905-772-7027	RESISTOR, FIXED, COMPOSITION		EA	7				*	*	*		*	19	18
		MFSCD1243F (19701)													
PAHZZ	5905-106-1278	RESISTOR, FIXED, COMPOSITION		EA	3				*	*	*		*	19	19
		RCR07O723JS (81349)									١				
PAHZZ	5910-267-2704	CAPACITOR, FIXED, PLASTIC DI		EA	2				*	*	*		*	20	1
PAHZZ	5910-227-7765	ME0-22UF1CPCT200V (06257) CAPACITOR, FIXED, PLASTIC DI		EA	4				*	*	*		*	20	2
PARZZ	3910-227-7703	1MDF1-472 (72136)		EA	4									20	-
PAHZZ	5951-951-757	TRANSISTOR		EA	29				*	*	*		*	20	3
. ,		2NZ222 (81349)			_5										
PAHZZ	5910-267-2706	CAPACITOR, FIXED, PLASTIC 01		EA	14				*	*	*		*	20	4
		MR0-1UF10PCT160VOCW (08257)													
											<u> </u>				

(1) ш	(2)	(3)		(4)	(5)							(8)	(9)		0)
SOURCE CODE MAINT. (1) CODE REC. CODE	()	(-,		()	(-)		30 E	DAY MA	AINT. AL	.W.		1 YR. ALW. PER 100 EQUIP. 3 CONTGCY			RATIONS
│ड़य़ॾय़ॢ	FEDERAL	DESCRIPTION			_		(6)			(7)		. I	<u> </u>	(a)	(b)
<u>8</u> 2₹2,8	STOCK		USE	┖뿝	ᇦ.		DS			GS		Ç EK	동없음	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	7.7. 7.7.7	DEPOT MAINT. ALW PER 100 EQUIP.	NUMBER	NUMBER
	NOMBER	(MFR. PART NO.)	CODE		E ^N	1-20		51-100	٠,,	21-50	51-100	产货 资	#\delta	NOMBER	NOMBER
		WII K. I AKT NO.)	OODL			1-20	21-30	31-100	1-20	21-30	31-100	` = 0			
PAHZZ	5910-728-0093	CAPACITOR, FIXED, MICA DI		EA	1				*	*	*		*	20	5
	3310 720 0033	C06FO12JO3 (81349)		LA										20	ľ
PAHZZ	5961-913-1747	TRANSISTOR		EA	4				*	*	*		*	20	6
		2N2907 (81349)			-										
PAHZZ	5961-938-1135	SEMICONDUCTOR DEVICE, DIODE		EA	4				*	*	*		*	20	7
		1N4148 (81349)													
PAHZZ	5950-236-7061	INDUCTOR		EA	1				*	*	*		*	20	8
DALLES		80AGC2C t515#4)							*	*					
PAHZZ		CAPACITOR, FIXED, PLASTIC DI		EA	2				•	•	_		,	20	9
PAHZZ	5910-224-5115	MRO-1UF3PCT160VOCW (08257) CAPACITOR, FIXED, ELECTROLYTIC		EA	14				*	*	*		*	20	10
FALIZZ	3910-224-3113	K1RSC20K (31433)		LA	14									20	10
PAHZZ		CAPACITOR, FIXED, PLASTIC 0I		EA	2				*	*	*		*	20	11
. ,		1NOF2-473 (72136)			_										
PAHZZ	5910-238-5508	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	20	12
		1MODF-153 (72136)													
PAHZZ	5950-236-7063	INDUCTOR		EA	1				*	*	*		*	20	13
		C80AG21 (51504)							*	*					l
PAHZZ	5910-139-2406	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	20	14
PAHZZ	5950-845-9157	1MDF1-102 (72136) TRANSFORMER, POWER		EA	1				*	*	*		*	20	15
PANZZ	3930-643-9137	SS0-3 (80223)		EA	'									20	15
PAHZZ	5935-775-5711	CONNECTOR1RECEPTACLE,ELEC		EA	1				*	*	*		*	20	16
		133-C18-43 (02660)			·										
PA4ZZ	5950-236-71C6	INDUCTOR `		EA	1				*	*	*		*	20	17
		08A046 (51504)													
PAHZ2	5950-236-7103	INDUCTOR		EA	1				*	*	*		*	20	18
		83AO45 (51504)									١				l
PAHZZ	595C-236-7102	INDUCTOR		EA	1				*	*	*		*	20	19
PAHZZ	5950-236-7101	080A043 (51564) INDUCTOR		EA	1				*	*	*		*	20	20
	13930-230-7 101	083AG43 (51504)			1									20	20
PAHZZ	591C-268-3986	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	20	21
' ' ' '	200 0000	611-15000PF2-5PCT33V (26625)		\	,										= -
		,													
								ldash							

(1) ш	(2)	(3)		(4)	(5)							(8)	(9)		0)
SOURCE CODE MAINT. (£) CODE REC. CODE		• •					30 E	DAY MA	AINT. AL	.W.		<u>a</u>		ILLUSTF	RATIONS
│ड़य़⋛य़沒	FEDERAL	DESCRIPTION			_		(6)			(7)		<u>.</u>	≧	(a)	(b)
ROM SOI	STOCK		USE	ᇿ쀭	ᆸ.		DS			GS		ŽĢK ÇeK	⋝╓占	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	O S	<u> </u>	(a)	(b)	(c)	(a)	(b)	(c)	7.74 7.74	ργα	NUMBER	NUMBER
	NOMBLK		CODE	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a) 1-20	21-50	51-100	(a) 1-20	21-50	51-100	1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP.	NOWBER	NOWBER
		(WITK. FART NO.)	CODL		<u> </u>	1-20	21-30	31-100	1-20	21-30	31-100				
PAHZZ	5910-264-5591	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	20	22
FALIZZ	3910-204-3391	611-1600GPF2-5PCT33V (26625)			ı									20	22
PAHZZ	5910-264-5593	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	20	23
170122	0010 204 0000	61-ISOCCCPF2-5PCT33V (26625)												20	
PAHZZ	5910-828-6282	CAPACITOR, FIXED, ELECTROLYTIC		EA	1				*	*	*		*	20	24
		C43?ARG1O, (K0004)													
PAHZZ	5910-274-2230	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	20	25
		611-30COCPF2-5PCT33V		(2662	5)										
PAHZZ	5910-274-7218	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	20	26
		611-27000PF2-5PC733V (26625)			_				*	*	١.				
PAHZZ	5910-264-5595	CAPACITOR, FIXED, PLASTIC or		EA	1				*	*	*		*	20	27
	5040 004 5504	611-24003PF2-SPCT33V (26625)		EA	1				*	*			*	20	
PAHZZ	5910-264-5594	CAPACITOR, FIXED, PLASTIC DI 611-2230GPF2-5PCT33V (26625)		EA	ı									20	28
PAHZZ	5950-236-7097	INDUCTOR		EA	1				*	*	*		*	20	29
1 / 11 / 12 / 1	0000 200 7007	080A04 (51504)			·									20	
PAHZZ	5950-236-7798	INDUCTOR		EA	1				*	*	*		*	20	30
		0830G41 (51504)													
PAHZZ	595C-236-7099	INDUCTOR		EA	1				*	*	*		*	20	31
		C80A042 (51504)													
XAHZZ		BRACKET, ANGLE		EA	1										
		1404-242J (51504)			_						١.				
PAHZZ	3t10-934-C748	NUT, PLAIN, HEXAGON		EA	2				*	*	*		*		
PAHZZ	5335-054-5647	135P649-244 (96906) SCREW, MACHINE		EA	2				*	*	*		*		
PARZZ	0333-034-3647	55REW, MACHINE 551957-13 (96906)		EA	2										
PAHZZ	53iC-550-3715	WASHER, LOCK		EA	2				*	*	*		*		
1 71122	3310-330-37 13	SS35333-70 (96916)			2										
PAHZZ	5310-934-9745	NUT, PLAIN, HEXAGON		EA	2				*	*	*		*		
		MS35649-244 (96915)			_										
PAHZZ	5305-054-5647	SCREW, MACHINE		EA	2				*	*	*		*		
		N551957-13 (96906)													
PAHZZ	531-550-3705	WASHER, LOCK		EA	2				*	*	*		*		
		NS35333-70 (96906)													
								$oxed{oxed}$			<u> </u>				

(1) 111	(2)	(3)		(4)	(5)	1						(8)	(9)		10)
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(+)	(3)		3U I		AINT. AL	W		(0)			RATIONS
%⊓≓"Ω	FEDERAL	DECODIDATION							11111. AL			5	🖢		
198≨88	FEDERAL	DESCRIPTION		Щ	ټ ا		(6)			(7)		≥¤≻	ቜ፟፠ዸ	(a)	(b)
യറ≥റ∝			USE	Ь뜴	≧⊨		DS			GS		488	፫٣공	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	58	o≥	1-20	21-50	51-100	1-20	21-50	51-100	LES			
PAHZZ		PRINTED WIRING BOARD		EA	1				*	*	*		*		
		1404-1522 (51504)													
XAHZZ		HANDLE		EA	1										
PAHZZ	E20E 0E0 0400	1413-2431 (51504) SCREEN, TAPPING, THREAD FORMING		EA	2				*	*			*		
PARZZ	5305-058-2102	SCREEN, TAPPING, THREAD FORMING MS24622-17 (96906)		EA											
XAHZZ		PANEL, BLANK		EA	1										
70 11 122		1414-3521 (51504)			· '										
		GROUP 010332													
		DIGIT DECODER													
PAOHH	5895-173-7023	DECODER, DIGIT		EA	2				*	*	*		*	21	1
		40451-04 (51504)													
XAOHH		CIRCUIT CARD ASSEMBLY		EA	1				*	*	*		*	21	2
DALIZZ	E00E 400 0000	404-i1512(51504)		_,	۱										
PAHZZ	5905-126-6683	RESISTOR, FIXED, COMPOSITION RCR07G332JS t81349)		EA	14									21	3
PAHZZ	5905-141-3717	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	21	4
1 / 11 12 2	0000 141 0717	RCR70TG4?3JS (81349)			· '									- '	-
PAHZZ	5905-106-3666	RESISTOR, FIXED, COMPOSITION		EA	27				*	*	*		*	21	5
		RCR07G103JS (81349)													
PAHZZ	5961-951-5757	TRANSISTOR		EA	17				*	*	*		*	21	6
		2N2222 (81349)									l .				
PAHZZ	5961-938-1135	SEMICONDUCTOR DEVICE, DIODE		EA	26				*	*	*		*	21	7
PAHZZ	5935-119-3504	1N4148 (813493 RESISTOR, FIXED, COMPOSITION		EA					*	*	*		*	04	
PARZZ	10930-119-3004	RCR07G273JS (81349)		EA	3									21	8
PAHZZ	5905-118-4559	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	21	9
1 / 11 12 2	0000 110 4000	RCR7G333JS (81349)			_									- '	
PAHZZ		CAPACITOR, FIXED, ELECTROLYTIC		EA	2				*	*	*		*	21	10
		K1R8C2CK (31433)													
PAHZZ	5905-116-8556	RESISTOR, FIXED, COMPOSITION		EA	6				*	*	*		*	21	11
		RCR07G223JS (81349)		_											
PAHZZ	5945-104-8368	RESISTOR, FIXED, COMPOSITION		EA	3				*	*	*		*	21	12
		RCR57G470JS (81349)													
		I .						$\overline{}$							1

(1) 四	(2)	(3)		(4)	(5)							(8)	(9)	(1	0)
SOURCE CODE MAINT. (1) CODE REC. CODE							30 E	DAY MA	AINT. AL	.W.		1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP.	ILLUSTF	RATIONS
	FEDERAL	DESCRIPTION		ш	ت		(6)			(7)		_ \g_	<u>₹~a.</u>	(a)	(b)
82 ≥ 28	STOCK		USE	ᅜᅜ	NC⊟		DS			GS		9 P P P P P P P P P P P P P P P P P P P	Z ii o	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	A'R'E	G.×.ē	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	58	ნ≅	1-20	21-50	51-100	1-20	21-50	51-100		AL 4		
PAHZZ	5905-120-9154	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	21	13
PAHZZ	5910-974-6129	RCR07G471JS (81349) CAPACITOR, FIXED, ELECTROLYTIC		EA	1				*	*	*		*	21	14
FARZZ	3910-974-0129	K1020K (31433)		LA	1									21	14
PAHZZ		TRANSISTOR		EA	3				*	*	*		*	21	15
		2N6027 (047131													
PAHZZ	5905-116-8555	RESISTOR, FIXED, COMPOSITION		EA	4				*	*	*		*	21	16
D41177	5005 440 7000	RCR07G153JS (81349)		- A	0				*	*	*			04	47
P4HZZ	5905-110-7622	RESISTOR, FIXED, CÓMPOSITION RCR07G682JS (81349)		EA	3						,		"	21	17
PAHZZ	5905-105-7764	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	21	18
. ,	0000 100 1101	RCR07G222JS (81349)													"
PAHZZ	5905-114-0711	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	21	19
		RCRO7G472JS. (61349)							*	*					
PAHZZ		SOCKET, RELAY		EA	1				*	*	*		*	21	20A
PAHZZ	5945-244-8215	R4OS41nP33 (51504) RELAY, ARMATURE		EA	1				*	*	*		*	21	20
I ALIZZ	0343-244-0213	R43JEI2V801 (77342)			ı.									21	20
PAHZZ	5935-775-5711	CONNECTOR, RECEPTACLE, ELEC		EA	1				*	*	*		*	21	21
		133-G18-43 (02663)													
PAHZZ	5905-106-1356	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	21	22
PAHZZ	5040 400 0740	RC207G152JS (81349)		EA	0				*	*	*		*	04	00
PAHZZ	5910-139-2746	CAPACITOR, FIXED, PLASTIC DI 1MDF1-102 (72136)		EA	2									21	23
PAHZZ	5940-103-1883	TERMINAL, LUG		EA	21				*	*	*		*	21	24
	00.10.100.1000	2000C1 (15849)													
PAHZZ		CAPACITOR, FIXED, ELECTROLYTIC		EA	1				*	*	*		*	21	25
		B41283-100-50-9021 (25188)			_				*	*	*				
PAHZZ	5905-244-8241	RESISTOR, VARIABLE		EA	1				*	*	*		*	21	26
PAHZZ	5905-114-5344	3359W1-504 (80294) RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	21	27
1 71122	10900-114-0044	RCRO7G184JS (81349)			'									21	21
XBHZZ		BRACKET, ANGLE		EA	1										
		14C4-2420 (51504)													
								oxdot							l .

SECTION XXVI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE TA9

(1) 111	(2)	(3)		(4)	(5)	1						(8)	(9)		0)
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(-)	(3)		30 I	DAV MA	AINT. AL	w		(0)			RATIONS
│Smanio	FEDERAL	DESCRIPTION							11111. AL			💆	🛓		
38≨88	CTOOK	DESCRIPTION	ПСЕ	Щ	بز		(6)			(7)		≥ü≻	<u>₹</u> 8.8	(a)	(b)
\ NO ≥ O ℝ			USE	뇽湠	I≚⊑		DS			GS		독일절		FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP.	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	5≥	σ≧	1-20	21-50	51-100	1-20	21-50	51-100	<u> </u>	<u> </u>		
PAHZZ 53	10-934-9748	NUT, PLAIN, HEXAGON		EA	2				*	*	*		*		
		MS35649-244 (96906)													
PAHZZ 53	35-054-5647	SCREW, MACHINE		EA	2				*	*	*		*		
	J	MS51957-13 (96906)		l	_						*				
PAHZZ 53	10-55-3715	WASHER, LOCK		EA	2				*	*	*		*		
DALIZZ		MS35333-70 (96906)		l _{EA}	,										
PAHZZ		BUSHING 81473W (98291)		EA	1										
DAH77 53	10-934-3748	NUT1PLAINGHEXAGON		EA	2				*	*	*		*		
1 71122 33	110-934-3740	MS35649-244 (969061													
PAH77 53	05-177-5545	SCREW, MACHINE		l _{EA}	2				*	*	*		*		
1711122 00	00 117 00 10	MS51957-120 (96906)			_										
PAHZZ 53	10-55C-3715	WASHER, LOCK		EA	2				*	*	*		*		
		MS35333-70 (96906)													
XBHZZ		PRINTED WIRING BOARD		EΑ											
		14r4-1514 (St5043													
XBHZZ		HANDLE		EA	1										
		1404-2431 (51504)							*	*	*				
PAHZZ 53	,5-058-21t2	SCREW,TAPPING.THRE40 FORMING		EA	2				*	*	*		*		
VDUZZ		MS24622-17 (96906)		l _,											
XBHZZ		PANEL, BLANK		EA	1										
		1404-3514 (51504) GROUP Ct0393													
		SF DETECTOR AND OSCILLATOR													
PAOHD		DETECTOR AND OSCILLATOR DETECTOR, SINGLE FREQUENCY OSC		l _{EA}	2	*	*	*	*	*	*		*	22	1
17,0115		41363-12 (51504)		-/\	_										'
PAHZZ 59	35-136-3666	RESISTOR, FIXED, COMPOSITION		EΑ	10				*	*	*		*	22	2
		RCR37G103JS (81349)													
PAHZZ 59	05-116-9555	RESISTOR, FIXED, COMPOSITION		EA	5				*	*	*		*	22	3
		RCR07G153JS (81349)													
PAHZZ 59	35-141-Z742	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	22	4
		RCRO7G181JS (81349)													
PAHZZ 59	25-114-3717	RESISTOR, FIXED, COMPOSITION		EA	3				*	*	*		*	22	5
		RCRO7G473JS (81349)													
	l .			l	l								ı	I	ı

(4)	(0)	(0)		(4)	(F)								A-918(V		۵) ا
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)		20.1	D 4 1/ 1/ 1/		147		(8)	(9)		O)
໘⊢ៜ							30 I	DAY IVIA	AINT. AL	.vv.			🗦		RATIONS
	FEDERAL	DESCRIPTION		ш	ت		(6)			(7)		×Ö≻	≣∝ਦ	(a)	(b)
X Q ≥ Q <u>S</u>			USE	UNIT OF MEASURE	QTY. INCL. IN UNIT		DS			GS		1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	B∃	-N N	(a)	(b)	(c)	(a)	(b)	(c)	5,27.Ž	요≥밤	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	몽뷀	ŏ≥	1-20	21-50	51-100	1-20	21-50	51-100	두 분 양	교육한		
		•													
PAHZZ	5905-ii-7622	RESISTOR, FIXED COMPOSITION		EA	1				*	*	*		*	22	6
174122	0000 11 7022	RCR07G682JS (81349)													ľ
PAHZZ	5905-10-0388	RESISTOR, FIXED, COMPOSITION		EA	5				*	*	*		*	22	7
1		RCY07GIC4JS (81349)			Ŭ										
PAHZZ	5905-105-7764	RESISTORIFIXEO9COMPOSITION		EA	1				*	*	*		*	22	8
		RCRO7G222JS (81349)													
PAHZZ	5905-104-S364	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	22	9
		RCR07G125JS (81349)													
PAHZZ	5905-119-1812	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	22	10
		RCR07GI21JS (813491													
PAHZZ	5905-116-8554	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	22	11
		RCRK07G05JS (81349)									l .				
PAHZZ	5905-106-t278	RESISTOR, FIXED, COMPOSITION		EA	6				*	*	*		*	22	12
541177	5005 444 5000	RCRO?G123JS (81349)											_		40
PAHZZ	5905-114-5339	RESISTOR, FIXED, COMPOSITION		EA	1				•	•	_		Î ^	22	13
PAHZZ	EOCE 116 0EE6	PCKO7GI54JS (81349) RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	22	11
PARZZ	59C5-116-8556	RCRO7G223JS (81349)		EA	2									22	14
PAHZZ	5905-135-5045	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	22	15
1 71122	13303-133-3043	RCRG7G33OJS (81349)			2									~~	13
PAHZZ	5905-105-7765	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	22	16
1 / " !	0000 100 1100	RCR07G224JS (81349)		_,`	-										
PAHZZ	5905-iii-1678	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	22	17
		RCR37G564JS (81349)													
PAHZZ	5905-1C4-5358	RESISTOR, FIXED, CÓMPOSITION		EA	2				*	*	*		*	22	18
		RCR07G822JS (81349)													
PAHZZ	5905-141-t183	RESISTOR, FIXED, COMPOSITION		EA	3				*	*	*		*	22	19
		RCRO?7G!CtJS (81349)													
PAHZZ	5905-126-5683	RESISTOR, FIXED, COMPOSITION		EA	6				*	*	*		*	22	20
		RCR07G332JS (81349)							*	*	*				
PAHZZ	5905-111i-927	RESISTOR, FIXED, COMPOSITION		EA	3				*	*	_ *		*	22	21
DALIZZ	5005 404 0h0d	RCR17G272JS (81349)		_,					*	*	.				
PAHZZ	5905-1C4-3h6d	RESISTOR, FIXED, COMPOSITION RCR37G7 JS (81349)		EA	1						"			22	22
		NON3101 33 (01348)													
													l		

(1) HO	(2)	(3)		(4)	(5)							(8)	(9)	(1	0)
SOURCE CODE MAINT. CODE CODE							30 E	DAY MA	AINT. AL	.W.		1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	ILLUSTF	RATIONS
	FEDERAL	DESCRIPTION		l l	ī		(6)			(7)		, ig.,	N ∨ d	(a)	(b)
SO SO SO SO SO SO SO SO SO SO SO SO SO S	STOCK		USE	ᆝᄣᆲᆝ	NCI L		DS			GS		3C	FE E	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	R./ NT(PO W	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	SH	QT IN	1-20	21-50	51-100	1-20	21-50	51-100	1 Y PE CO	DE AL 10(
PAHZZ	5905-119-3503	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	22	23
		RCR37G271JS (81349)													
PAHZZ	5905-119-8768	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	22	24
PAHZZ	5905-141-0598	RCRT7GR21JS (81349) RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	22	25
PARZZ	3903-141-0396	RCR20G561JS (81349)		LA	1									22	25
PAHZZ	5905-114-0711	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	22	26
		RCRC7G472JS (81349)													
PAHZZ	5905-119-3504	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	22	27
		RCR07GZ?3JS 81349)													
PAHZZ	5905-141-3743	RESISTOR, FIXED, COMPOSITION		EA	3				*	*	*		*	22	28
PAHZZ	E00E 11+ 7600	RCR07G392JS (81349) RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	22	29
PARZZ	5905-11t-7620	RCR07GI02JS (81349)		EA	'									22	29
PAHZZ	5905-244-824t	RESISTOR, VARIABLE		EA	1				*	*	*		*	22	30
		3359W1-5C4 (80294)													
PAHZZ	5935-114-5344	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	22	31
		RCR07G184JS (81349)													
PAHZZ	5905-14t-G744	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	22	32
DALIZZ	5005 400 0454	RCRO7G562JS (81349)		_,	1				*	*			*	00	22
PAHZZ	5905-12C-9154	RESISTOR, FIXED, COMPOSITION RCR07G47IJS (81349)		EA	1						_ "			22	33
PAHZZ	5905-40C-4528	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	22	34
171122	0000 400 4020	RCR07Gt24JS (81349)			·										0-1
PAHZZ	5905-114-O71C	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	22	35
		RCRO7G331JS (81349)													
PAHZZ	5905-243-1807	RESISTOR, VARIABLE		EA	1				*	*	*		*	22	36
DA1177	5005 00D 500D	339-5:2 (R8294)		_,					*	*	_				
PAHZZ	5905-23R-582R	RESISTOR, VARIABLE		EA	1				•	•	_		•	22	37
PAHZZ	5961-938-1135	3359k1-103 (80294) SEMICONDUCTOR DEVICE, DIODE		EA	6				*	*	*		*	23	l ₁
1 71122	0001-000-1100	1N4143 (81349)			U									23	'
PAHZZ	5961-951-5757	TRANSISTOR		EA	17				*	*	*		*	23	2
		2N2222 (81349)													
						\Box					<u> </u>				

(4)	(2)	(2)		(4)	/E\								A-918(V		۸\
''	(2)	(3)		(4)	(5)		20.1		AINT. AL	W		(8)	(9)		0) RATIONS
	FEDERAL	DESCRIPTION							111V I . AL				<u> </u>		
SOURCE CODE MAINT. (1) CODE REC. CODE	STOCK	DESCRIPTION	USE	₩	占		(6) DS	1		GS		≱∺≿	~ 동유를	(a) FIGURE	(b) REF./ITEM
0050E	NUMBER	DEE NUMBER MED CODE	ON	SUS	흑崇	1		T			Π	455 455	卢트립	NUMBER	NUMBER
	NOMBER	REF. NUMBER MFR. CODE		UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	NOMBER	NUMBER
		(MFR. PART NO.)	CODE	⊃≥	0=	1-20	21-50	51-100	1-20	21-50	51-100	<u> </u>	4_		
DALIZZ	E040 40E 20E0	CADACITOD FIVED DI ACTIC DI		_ ^					*	*	*			00	
PAHZZ	5910-4G5-3856	CAPACITOR, FIXED PLASTIC DI 1MDF1-103 (72136)		EA	2				"		_ "		,	23	3
PAHZZ	5910-28C-0986	CAPACITOR, FIXED, PLASTIC or		EA	1				*	*	*		*	23	4
FALIZZ	3910-200-0900	611-1500PF2-5PCT33V (26625)		LA	'									23	4
PAHZZ	5910-283-5664	CAPACITOR, FIXED, PLASTIC DI		EA	3				*	*	*		*	23	5
		611-1300CPF2-5PCT63V (26625)		_, ,										-~	
PAHZZ	5910-275-67t5	CAPACITOR, FIXED, PLASTIC OD		EA	3				*	*	*		*	23	6
		611-13000PF2-SPCT33V (26625)													
PAHZZ		CAPACITOR, FIXED, PLASTIC or		EA	1				*	*	*		*	23	7
		MEQ-33UFIOPCT2OOV (08257)													
PAHZZ	5910-274-2208	CAPACITOR, FIXED ELECTROLYTIC		EA	2				*	*	*		*	23	8
PAHZZ	5050 000 7000	841283-1'0-25-4112 (25088) INDUCTOR		EA					*	*			*	00	
PAHZZ	595C-236-7096	831AC27 (51504)		EA	2									23	9
PAHZZ	5910-06R-3887	CAPACITOR, FIXED, MICA DI		EA	1				*	*	*		*	23	10
1 /11/22	3310 001 3007	COI3FO1CIKC3 (14655)		LA	'									23	10
PAHZZ		CAPACITOR, FIXED, PLASTIC DI		EA	6				*	*	*		*	23	11
		MRO-1UFIGPCT160VOCW (082571													
PAHZZ	5910-224-S115	CAPACITOR, FIXED, ELECTROLYTIC		EA	5				*	*	*		*	23	12
		KIR4C2GK (31433)													
PAHZZ	5910-139-24C6	CAPACITOR, FIXED, PLASTIC 0I		EA	1				*	*	*		*	23	13
		1MDF1-tO2 (72136)							*	*	١				
PAHZZ	5961-059-4464	TRANSISTOR		EA	2				*	*	*		*	23	14
PAHZZ	5950-845-3157	2N7218 (81349) TRANSFORMER, POWER		EA	1				*	*	*		*	23	15
FAUZZ	10900-040-0107	SS3-3 (80223)		LA	'									23	15
PAHZZ	5950-236-7110	TRANSFORMER, POWER		EA	1				*	*	*		*	23	16
1 / 11 / 12 / 1	200 200 7 1 10	08A0C1S (51504)		_, `											
PAHZZ	5910-828-i282	CAPACITOR, FIXED, ELECTROLYTIC		EA	2				*	*	*		*	23	17
		C437ARG1600 (K0004)													
PAHZZ	5935-775-5711	CONNECTOR, RECEPTACLE ELEC		EA	1				*	*	*		*	23	18
		133-018-43 (02660)													
PAHZZ		SOCKET, RELAY		EA	1				*	*	*		*	23	19
		P40410P33 (51524)													
						\Box									

SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)	(1	0)
岌낟힝							30 E	DAY MA	AINT. AL	.W.		ਵੋਂ	Ė		RATIONS
	FEDERAL	DESCRIPTION		ш	ت_		(6)			(7)		פ≻	10 ~ 1	(a)	(b)
ŭo≅o <u>r</u>			USE	ᅜᅂ	S⊑		DS			GS		98A	T.E.S	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	⊃≥	σ≤	1-20	21-50	51-100	1-20	21-50	51-100	<u>+⊑0</u>	□ ∀ ₹		
PAHZZ	5945-244-5215	RELAY. ARMATURE		EA	1				*	*	*		*	23	20
FALIZZ	3943-244-3213	R4EIW2VO80C (77342)		LA	'									23	20
PAHZZ	5910-974-5129	CAPACITOR9FIXEDoELECTROLYTIC		EA	1				*	*	*		*	23	21
		KIOC20K (31433)													
PAHZZ	5961-106-3698	TRANSISTOR		EA	1				*	*	*		*	23	22
DALIZZ	5004 040 4747	2N6327 (04713)		EA	1				*	*	*			00	00
PAHZZ.	5961-913-1747	TRANSISTOR 2N2907 (81349)		EA	1									23	23
PAHZZ		CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	23	24
		HNOF2-473 (72136)			•										
PAHZZ	5950-236-7120	INDUCTOR `		EA	1				*	*	*		*	23	25
		080A064 (51504)													
PAHZZ	5910-275-5704	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	23	26
PAHZZ	5910-275-5710	611-10COOPF2-5PCT33V (26625) CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	23	27
FALIZZ	3910-273-3710	611-680(PF2-5PCT33V (26625)		LA	'									23	21
PAHZZ	59iS-275-67i7	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	23	28
		611-75CCPF?-5PCT33V (26625)													
PAHZZ	5910-264-5593	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	23	29
541177	5050 000 7445	611ii-COPF2-5PCT33V (26625)									_				
PAHZZ	5950-236-7115	INDUCTOR 080A063 (51504)		EA	1				•	^	_		•	23	30
PAHZZ	5910-275-5708	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	23	31
1 / 11 122	0010 270 0700	61ii-3900GPF2-SPCT33V (26625)												20	
PAHZZ	591Ct-283-5656	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	23	32
		615-22CPF2-SPCT63V (266251													
PAHZZ	595C-236-7114	INDUCTOR		EA	1				*	*	*		*	23	33
PAHZZ	5930-686-9533	C83Ac62 51594) SWITCH, PUSH		EA	1				*	*	*		*	23	34
PAHZZ	5930-686-9533	3q9-1 (8173)		EA	1									23	34
PAHZZ	5940-1G3-1883	TERMINAL, LUG		EA	4				*	*	*		*	23	35
		20§0C1 (15849)			•										
XBHZZ		BRACKET, ANGLE		EA	1										
		SS10H (80223)													

(1) 111	(2)	(3)		(4)	(5)	1						(8)	(9)		0)
SOURCE CODE MAINT. (1) CODE REC. CODE	(-)	(5)		(-)	(3)		3U I	VA MA	AINT. AL	W		(0)			RATIONS
吕마트미디	FEDERAL	DESCRIPTION							111V I . AL			🗒	5		
88≨82	FEDERAL	DESCRIPTION		щ	بر		(6)			(7)		≥ü≻	₹ ≅∺⊡	(a)	(b)
യറ≥റ∝			USE	Ь뜴	≅ <u>⊨</u>		DS			GS	1	488	[분분공	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1 YR. ALW. PER 100 EQUIP. S CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	ŚΞ	ō≥	1-20	21-50	51-100	1-20	21-50	51-100	EES	246		
PAHZZ	530-934-9748	NUT, PLAIN, HEXAGON MS35649-244 (969061		EA	6				*	*	*		*		
PAHZZ	5305-054-5647	SCREW, MACHINE MS51957-13 (96906)		EA	4				*	*	*		*		
PAHZZ	5310-55C-3715	WASHER, LOCK MS35333-70 (96906)		EA	6				*	*	*		*		
XBHZZ		BRACKET, ANGLE 1494-242C (51504)		EA	1										
PAHZZ	5305-177-5545	SCREW, MACHINE MS51957-12C (96906)		EA	2				*	*	*		*		
XBHZZ		HANDLE 1414-2431 (515041		EA	1										
PAHZZ	5335-058-2102	SCREW, TAPPING, THREAD FORMING MS24622-17 (96906)		EA	2				*	*	*		*		
XBHZZ		PANEL, BLANK 1410-3632 (51504)		EA	1										
XBHZZ		PRINTED WIRING BOARD 1410-163G (515e4) GROUP C1C304 4W/2W HYBRID MODULE		EA	1										
РАОНО	5895-173-7035	NETWORK, HYBRID CIRCUIT 49008-1 (51514)		EA	2	*	*	*	*	*	*		*	24	1
PAHZZ	5905-11C-762Z	RESISTOR, FIXED, COMPOSITION PCR37GiO2JS (81349)		EA	6				*	*	*		*	24	2
PAHZZ	59se-93C-4451	TRANSFOR4ER,POWER 124-5K (?7C674)		EA	4				*	*	*		*	24	3
PAHZZ		RELAY, ARMATURE 502-IA24V (C21161		EA	4				*	*	*		*	24	4
PAHZZ	5910-974-6129	CAPACITOR, FIXED, ELECTROLYTIC KtC20K (314331		EA	10				*	*	*		*	24	5
PAHZZ	5961-931-1135	SE'4ICONOUCTOR DEVICE, DIODE 1N4148 (81349)		EA	4				*	*	*		*	24	6
PAHZZ	59q5-ltt6-555	RESISTOR, FIXED, COMPOSITION RCRC7G223JS (81349)		EA	1				*	*	*		*	24	7

SECTION XXVI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

TM 11-5805-647-14 TA918(V)1/FSC THRU TA-918(V)8/FSC

SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)	(1	0)
│뿵ᇜᇦᇜᇰ	FEDERAL	DECODIDATION						DAY MA	AINT. AL			1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP		RATIONS
<u> </u>	FEDERAL STOCK	DESCRIPTION	USE	. "	占		(6) DS			(7) GS		≥ä⊱	MAI IP.	(a) FIGURE	(b) REF./ITEM
8020E	NUMBER	REF. NUMBER MFR. CODE	ON	P. S.	Ĭ. E.	, ,						4.65 7.65	OT FOL	NUMBER	NUMBER
	INUIVIDER	(MFR. PART NO.)	CODE	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100	N N N N N N N N N N N N N N N N N N N	DEP ALM 100	INUIVIDER	INUINIDER
		(WIR. FART NO.)	CODL		<u> </u>	1-20	21-50	51-100	1-20	21-30	51-100	4110			
PAHZZ	5905-106-3668	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	24	8
		RCR08G220JS (81349)													
PAHZZ	5961-951-8757	TRANSISTOR		EA	5				*	*	*		*	24	9
PAHZZ	5910-274-7208	2N2222 (81349) CAPACITOR, FIXED, ELECTROLYTIC		EA	2				*	*	*		*	24	10
I Alizz	3310 274 7200	B41283-100-25-8112 (250881												27	
PAHZZ	5905-119-35C4	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	24	11
		RCRQ7G273JS (81349)			_										
PAHZZ	5905-115-3562	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	24	12
PAHZZ	5905-141-0717	RCR7TG394JS (81349) RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	24	13
174122	0000 141 0717	RCR07G473JS (81349)			_										
PAHZZ	5905-106-3666	RESISTOR, FIXED, COMPOSITION		EA	4				*	*	*		*	24	14
		RCR07GI03JS (81349)													l
PAHZZ	5905-131-1255	RESISTOR, FIXED, COMPOSITION RCCE7G122JS (81349)		EA	2				*	*	*		*	24	15
PAHZZ	5905-115-3560	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	24	16
		RCR07Gt8.3JS (81349)			_										
PAHZZ	5905-126-6683	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	24	17
DA1177	5005 444 4400	RCR27G332JS (81349)		_ ^						*	*			0.4	
PAHZZ	5905-141-1183	RESISTOR, FIXED, COMPOSITION RCRO7G1C1JS (81349)		EA	2				^	Ŷ	Ŷ		•	24	18
PAHZZ	5905-116-7394	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	24	19
		RCRT7GSIIJS (8i349)			_										
PAHZZ	59IC-893-02I	CAPACITOR, FIXED, MICA DI		EA	2				*	*	*		*	24	20
DALIZZ	F0+C 000 C000	COt3FOI5SK53 (it4655)		EA					*	*	*		*	0.4	
PAHZZ	59tC-828-6282	CAPACITOR, FIXED, ELECTROLYTIC C4S7ARG10 (IKC094)		EA	2									24	21
PAHZZ	5905-119-35C3	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	24	22
		RC937G?71JS (81349)													
PAHZZ	5935-775-5711	CONNECTOR, RECEPTACLE ELEC		EA	1				*	*	*		*	24	23
PAHZZ		13'-C18-43 CAPACITOR, FIXED, CERAMIC DI		(1266 EA	k) 2				*	*	*		*	24	24
PARZZ		505A471PFI:PCT 126625)		EA	2									24	44
	1														

(4)	(2)	(2)	- /	41	/E\	1							A-910(V		0)
1 (1) 別	(2)	(3)	Ι (4)	(5)		20.	D 4 1/ 8 4	A.	14/		(8)	(9)		O)
SOURCE CODE MAINT. (1) CODE REC. CODE							30 I	DAY MA	AINT. AL	₋W.		1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.		RATIONS
اد ۱۳۵۵	FEDERAL	DESCRIPTION					(6)			(7)			€~	(a)	(b)
&ऽ₹ऽ¤	STOCK	US	Е աչ	. E	ᅙ		DS			GS		386	₹ ₩	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE ON	ง ไว้	รร	悥	(a)	(b)	(c)	(a)	(b)	(c)	725	Š∑R	NUMBER	NUMBER
		(MFR. PART NO.)	. <u> </u>	MEASURE	QTY. INCL. IN UNIT	1-20	21-50	51-100	1-20	21-50	51-100	<u>⊱</u> μ్		Homber	
		(WIR. FART NO.) COL	/_ _	,		1-20	21-50	51-100	1-20	21-50	31-100	+ # 0	- ``		
PAHZZ 59	05-116-B555	RESISTOR FIXED, COMPOSITION	6	Α	1				*	*	*		*	24	25
		RCRO7G153JS (81349)													
PAHZZ 59	61-913-t?47	TRANSISTOR	6	Α	2				*	*	*		*	24	26
		2N290? (81349)													
PAHZZ 59	35-832-9466	RESISTOR, FIXED, FILM	6	Α	4				*	*	*		*	24	27
1		RNR65GC604OFS (8349)		_					*	*	Ι.		l .	l	
PAHZZ 59	05-243-1806	RESISTOR, VARIABLE		Α	2				*	*	*		*	24	28
[05 004 :	3359Wi-IC2 (8C2941		_	_									l	
PAHZZ 59	35-G81-4578	JACK, TIP		A	3				*	*	. *		*	24	29
		SKT10BLK (98291)				_					Ι.			l .	l
PAHZZ 59	35-617-6837	JACK, TIP			EA	3				*	*	*		*	24
	30														
		SKT10WHT (98291)	_								*			l	l
PAHZZ 59	40-103-1883	TERMINAL, LUG		ĒΑ	10				*	*	. *		*	24	31
		2023C1 (15849)	_												
XAHZZ		SPROCKET, ANGLE		A	1										
DA1177 50	40 004 0740	1404-242C (51504)							*	*	*				
PAHZZ 53	10-934-9748	NUT, PLAIN, HEXAGON		A	4				•	•	1 ^		Î		
DALIZZ 50	05 054 5017	MS35649-244 (96906)	ے ا	- ,					*	*					
PAHZZ 53	35-054-56'7	SCREW, MACHINE	-	Α	2					-	"				
DALIZZ 50	40.55.0745	MS51957-13 (969C6)	ے ا	- ,					*	*	*				
PAHZZ 53	10-55,-3715	WASHER, LOCK		ĒΑ	3				-		"				
DAUZZ CA	CE 177 EE 1E	HS35333-7) (96906)	-	_ ,	_				*	*	*		*		
PAMZZ 53	C5-177-5545	SCREW, MACHINE		A	2				-						
XAHZZ		MS51957-t20 (96906) HANDLE	-	Α	1										
^AUZZ		1434-2431 (51504)		Α	'										
DAH77 52	05-058-21G2	SCREW,t4PPING,THREAD FORMING	-	Α	2				*	*	*		*		
1 ALIZZ 33	00-000-2102	M524622-17 (969C6)	-	-^	_										
XAHZZ		PANEL BLANK	,	EA	1										
1771122		1490-308i (515041	'		'										
XAHZZ		PRINTED WIRING BOARD	,	EA	1										
1		1t90-1tE8 (51504)	'		· '										
		GROUP 010305													
		4W/2W HYBRID WITH 2.7KHZ FILTER													
		TVV/LVV III DINID VVIIII Z./INIZ I ILI LIN													

(1) ш	(2)	(3)		(4)	(5)	1						(8)	(9)		10)
" '' <u> </u>	(-)	(6)		(-)	(0)		30 1	ΝΑΥ ΜΑ	AINT. AL	w		(0)			RATIONS
	FEDERAL	DESCRIPTION						D7 (1 101)				I≣	5	(a)	
SOURCE CODE MAINT. (1) CODE REC. CODE	STOCK	DESCRIPTION	USE	#	占		(6) DS			(7) GS		≱≝≿	돌∺름	FIGURE	(b) REF./ITEM
WO ZOE		DEE MIMDED MED CODE	ON	SUS	흑崇			l			l	<u>₹</u> ĕĕ	卢교회	NUMBER	
	NUMBER	REF. NUMBER MFR. CODE		UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1 YR. ALW. PER 100 EQUIP. S CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	INUIVIBER	NUMBER
		(MFR. PART NO.)	CODE	⊃≥	0=	1-20	21-50	51-100	1-20	21-50	51-100	-40	741		-
PAOHO	5895-174-3549	NETWORK, HYBRID CIRCUIT		EA	2	*	*	*	*	*	*		*	25	1
		49108-C2 (51594)		_,										0.5	
AHHHD		CIRCUIT CARD ASSEMBLY 4490-1082 (51534)		EA	1									25	2
PAHZZ	5910-974-6129	CAPACITOR, FIXED, ELECTROLYTIC		EA	12				*	*	*		*	25	3
FALIZZ	3910-914-0129	K1JC20K (31433)		LA	12									23	3
PAHZZ	5961-951-5757	TRANSISTOR		EA	6				*	*	*		*	25	4
		2N2222 (81349)													
PAHZZ	5905-116-2394	RESISTÒR, FIXED, COMPOSITION		EA	2				*	*	*		*	25	5
		RCRO7GS11JS (81349)													
PAHZZ	5905-111-4727	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	25	6
		RCR07G272JS (813491			_									l	_
PAHZZ		RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	25	7
PAHZZ	E00E 440 E040	RCRO7G153JS (81349) RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	0.5	
PARZZ	5935-119-5812	RCR37G121JS (81349)		EA										25	6
PAHZZ	5910-274-2218	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	25	9
1 / 11/22	0010 214 2210	611-27000PF2-5PCT33V (26625)												20	
PAHZZ	5950-236-7109	INDUCTOR		EA	1				*	*	*		*	25	10
		C80A053 (51504)													
PAHZZ		CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	25	11
		611-3OCPF2-SPCT63V (26625)													
PAHZZ	5910-283-5664	CAPACITOR, FIXED, PLASTIC DI		EA	2				*	*	*		*	25	12
PAHZZ	5905-105-7765	611-820PF2-5PCT63V (26625)		EA	1				*	*	*		*	25	13
PARZZ	3903-103-7763	RESISTOR, FIXED, COMPOSITION RCRJ7G224JS (81349)		EA										25	13
PAHZZ	5910-275-1708	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	25	14
1 / 11/22	0010 270 1700	611-39S0OPF2-SPCT33V (26625)												20	'-
PAHZZ	5950-236-7108	INDUCTOR		EA	1				*	*	*		*	25	15
		080A052 (51504)													
PAHZZ		CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	25	16
		611-47:PF2-SPCr63V (26625)													
	591c-275-57C9	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	25	17
61t-2:0'PF	2-SPCT33V	(P2625)													
															1

TM 11-5805-647-14
SECTION XXVI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE TA918(V)1/FSC THRU
TA-918(V)8/FSC

(1)	(=)	(2) (4)											A-918(V		۵۱ '
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)	(4)		(5)		20.	DAV ***	T.	14/		(8)	(9)		O)
ಜ಼∟ೞ							30 I	DAY IVIA	AINT. AL	.W.			💆	ILLUSTI	RATIONS
	FEDERAL	DESCRIPTION	يا ا	ıl	ت		(6)			(7)		≥ä≻	≣∝ੂ	(a)	(b)
XQ ≥ Q <u>S</u>		USE	%	5	≅⊨		DS			GS		488 688	[T T B	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE ON	UNIT OF	3	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	5.27.Z	DEPOT MAINT. ALW. PER 100 EQUIP.	NUMBER	NUMBER
		(MFR. PART NO.) CODI	<u>: 5</u>	Ĭ	5≥	1-20	21-50	51-100	1-20	21-50	51-100	1 YR. ALW. PER 100 EQUIP. CONTGCY	24c		
PAHZZ	5950-236-71G7	INDUCTOR	EA	\	1				*	*	*		*	25	18
		08SA051 (515041													
PAHZZ	5910-264-5595	CAPACITOR, FIXED, PLASTIC DI	EA	١ ١	1				*	*	*		*	25	19
DA1177	5040 000 5055	611-2400PF2-5PCT33V (26625)	_,											05	00
PAHZZ	5910-283-5655	CAPACITOR, FIXED, PLASTIC DI 611-100PF2-5PCT63V (26625)	EA	١ ١	1				"	,	"			25	20
PAHZZ	5910-283-5659	CAPACITOR, FIXED, PLASTIC DI	l EA		1				*	*	*		*	25	21
I Alizz	3310 203 3033	611-680PF2-5PCT63V (26625)	-	١ ١	'									25	21
PAHZZ	5910-274-2231	CAPACITOR, FIXED, PLASTIC DI	ΕA		1				*	*	*		*	25	22
		611-33CCCPF2-SPCT33V (26625)													
PAHZZ	5910-893-0201	CAPACITOR, FIXED, MICA DI	EA	\	2				*	*	*		*	25	23
		CO10FO151KC3 (14655)													
PAHZZ	5905-114-5343	RESISTOR, FIXED, COMPOSITION	EA	۱ ۱	1				*	*	*		*	25	24
DALIZZ	E00E 400 0004	RCR7TGI82JS (81349)	_,		4				*	*	*		*	05	05
PAHZZ	5935-136-3891	RESISTOR, FIXED, COMPOSITION RCRO77G62JS (81349)	EA	١ ١	1									25	25
PAHZZ	5905-126-6683	RESISTOR, FIXED, COMPOSITION	l ea		2				*	*	*		*	25	26
1 / 11 122	120 0000	RCR07G332JS (81349)	-	١,	_									20	20
PAHZZ	5905-141-1183	RESISTOR, FIXED, COMPOSITION	ΕA		3				*	*	*		*	25	27
		RCR07GI1SJS (81349)													
PAHZZ	5905-115-3560	RESISTOR, FIXED, COMPOSITION	EA	١	2				*	*	*		*	25	28
		QRC07G183JS (81349q	l		_				*	*					
PAHZZ	5961-913-1747	TRANSISTOR	EA	۱ ۱	2				*	*	*		*	25	29
PAHZZ	5905-131-1255	2N29C7 (81349) RESISTOR, FIXED, COMPOSITION	l _{EA}		2				*	*	*		*	25	30
PARZZ	0900-131-1200	RCRC7G122JS (81349)	[١ ١	2									25	30
PAHZZ	5905-110-7620	RESISTOR, FIXED, COMPOSITION	l ea		6				*	*	*		*	25	31
1 / 11 122	0000 110 7020	RCR07G122JS (81349)	-	`	J									20	"
PAHZZ	5905-106-3666	RESISTOR, FIXED, COMPOSITION	EA		4				*	*	*		*	25	32
		RC7O7G103JS (81349)													
PAHZZ	5905-119-3504	RESISTOR, FIXED, COMPOSITION	EA	\	2				*	*	*		*	25	33
		RCOQ7G273JS (81349)	l								Ι.		l .		
PAHZZ	5961-938-1135	SEMICONDUCTOR DEVICE ,DIODE	EA	\	4				*	*	*		*	25	34
		1N4148 (81349)													

TM 11-5805-647-14
SECTION XXVI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE TA918(V)1/FSC THRU
TA-918(V)8/FSC

(4)	(2)	(2) (3) (4)											A-918(V		0)
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(5)		(4)	(5)		20.1		AINT. AL	W		(8)			RATIONS
│준⊔늦╻♡	FEDERAL	DECODIDATION						DAT IVIA	AIIN I . AL			I≣			
88≨88	FEDERAL	DESCRIPTION	шог	ш	Ä		(6)	-		(7)		×ω≻	<u>₹</u> %.	(a)	(b)
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			USE	Ь뜷	≅ <u>≒</u>		DS			GS		독일절	F 문문증	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	5≥	σ≧	1-20	21-50	51-100	1-20	21-50	51-100	<u> </u>	<u> </u>		
PAHZZ	5910-274-2208	CAPACITOR, FIXED ELECTROLYTIC		EA	2				*	*	*		*	25	35
		841283-100-25-8112 (25088)													
PAHZZ	5910-828-5282	CAPACITOR, FIXED, ELECTROLYTIC		EA	2				*	*	*		*	25	36
DALIZZ	5005 77 5 5744	C437ARG100 (KOOC4)		_ ^	4				*	*			*	05	27
PAHZZ	5935-775-5711	CONNECTOR, RECEPTACLE, ELEC 133-018-43 (02660)		EA	1									25	37
PAHZZ	5905-115-3562	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	25	38
I Alizz	3303 113 3302	RCR07G394JS (81349)			_									23	30
PAHZZ	5905-115-8055	RESISTOR FIXED, COMPOSITION		EA	1				*	*	*		*	25	39
		RCR07G393JS (81349)													
PAHZZ	5910-892-9994	CAPACITOR, FIXED, CERAMIC DI		EA	2				*	*	*		*	25	40
		831-00X5F0-477K (172982)													
PAHZZ	5910-274-2231	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	25	41
		611-3300PF2-SPCT33V (26625)									١				
PAHZZ		RELAY, ARMATURE		EA	1				*	*	*		*	25	42
PAHZZ	5950-930-4451	502-1A24V (G21163 TRANSFORMER, POWER		EA	4				*	*	*		*	25	43
FALIZZ	3930-930-4431	124-5K (7C674)		LA	4									23	40
PAHZZ	5905-832-9466	RESISTOR, FIXED, FILM		EA	4				*	*	*		*	25	44
171112	0000 002 0 100	RNR65C604OFS (81349)		_, `										-~	
PAHZZ	5905-i06-3668	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	25	45
		RCRO7G220JS (81349)													
PAHZZ	5905-119-3503	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	25	46
		RCR7OG271JS (81349)			_				*	*	١.				
PAHZZ	5905-116-S556	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	25	47
PAHZZ	E00E 444 0747	RCRO7G223JS (1349)		EA	1				*	*	*		*	05	40
PAHZZ	5905-141-2717	RESISTOR, FIXED, COMPOSITION RCR07G473JS (81349)		EA	1									25	48
PAHZZ	5910-264-5591	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	25	49
I Alizz	3310 204 3331	611-16000PF2-5PCT33V (26625)												23	75
PAHZZ	5905-243-1806	RESISTOR, VARIABLE		EA	2				*	*	*		*	25	50
		3359W1-102 (8Z244)													
PAHZZ	5910-274-5516	CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	25	51
		611-11000PF2-5PCT33V (26625)													
								ldash							

SECTION XXVI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE TA918(V)1/FSC THRU
TA-918(V)8/FSC

TM 11-5805-647-14

SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)	30 DAY MAINT. ALW.				(8) <u>⊆</u>	(9) <u>⊢</u>		0) RATIONS		
SOUR SODE SODE SEC. (FEDERAL STOCK	DESCRIPTION US	.	. 2	CL.		(6) DS			(7) GS		1 YR. ALW. PER 100 EQUIP. (CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	(a) FIGURE	(b) REF./ITEM
00201	NUMBER	REF. NUMBER MFR. CODE 0		UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	R. AI NTG	NOT EQ	NUMBER	NUMBER
		(MFR. PART NO.)		SH	δ≧	1-20	21-50	51-100	1-20	21-50	51-100	수필요	무실		
PAHZZ	5935-081-4578	JACK, TIP SKT108LK 1982911		EA	3				*	*	*		*	25	52
PAHZZ	5935-617-6837	JACK. TIP SKT10WHT (98291)		EA	3				*	*	*		*	25	53
PAHZZ	5940-103-1883	TERMINAL, LUG 2000C1 (158491		EA	10				*	*	*		*	25	54
XBHZZ		BRACKET, ANGLE		EA	1										
PAHZZ	5310-934-9748	1404-2420 (51504) NUT, PLAIN, HEXAGON		EA	2				*	*	*		*		
PAHZZ	5305-054-5647	MS35649-244 (96906) SCREW, MACHINE		EA	2				*	*	*		*		
PAHZZ	5310-550-3715	MS51957-13 (96906) WASHER, LOCK		EA	2				*	*	*		*		
PAHZZ	5310-934-9748	MS35333-70 (96906) NUT, PLAIN, HEXAGON		EA	2				*	*	*		*		
PAHZZ	5305-177-5545	MS35649-244 (96906) SCREW, MACHINE		EA	2				*	*	*		*		
PAHZZ	5310-550-3715	MS51957-120 (96906) WASHER, LOCK		EA	2				*	*	*		*		
XBHZZ		MS15333-70 (96906) PRINTED WIRING BOARD		EA	1										
XBHZZ		1490-182 (51504) HANDLE		EA	1										
PAHZZ	5305-058-2102	1414-2431 (51504) SCREW, TIPPING, THREAD FORMING		EA	2				*	*	*		*		
XAHZZ		MS24622-17 (96906) PANEL BLANK		EA	1										
		1493-3082 (51504)													
PAOHD PAHZZ	5905-243-1807	GROUP 010336 SF DETECT(R DETECTOR, SINGLE FREQUENCY 41053-01 (50504) RESISTOR, VARIABLE 3359W1-522 (80294)		EA EA	2	*	*	*	*	*	*		*	26 26	1 2
				_			_				_				

													A-918(V)		
SOURCE CODE MAINT. (L) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)		0)
뭐년홍							30 E	DAY MA	AINT. AL	.W.			Π.	ILLUSTF	RATIONS
<u>58</u> }82	FEDERAL	DESCRIPTION		ш	ت_ ا		(6)			(7)		۲.۵.۲	A S G	(a)	(b)
%≳≷≳¤	STOCK		USE	UNIT OF MEASURE	QTY, INCL. IN UNIT		DS			GS		1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT ALW PER 100 EQUIP	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON) ∐ SY:	∑ .5	(a)	(b)	(c)	(a)	(b)	(c)	R.Y.	PO W.	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	- 5岁	ō≥	1-20	21-50	51-100	1-20	21-50	51-100	수품은	AL 10		
PAHZZ	5905-141-0742	RESISTOR, FIXED, COMPOSITION RCR37G181JS (81349)		EA	1				*	*	*		*	26	3
PAHZZ	5905-141-3717	RESISTOR, FIXED, COMPOSITION RCRO7G473JS (81349)		EA	3				*	*	*		*	26	4
PAHZZ	5905-105-7764	RESISTOR, FIXED, COMPOSITION RCR07G222JS (81349)		EA	1				*	*	*		*	26	5
PAHZZ	5905-116-8555	RESISTOR, FIXED, COMPOSITION RCRO7G153JS (81349)		EA	3				*	*	*		*	26	6
PAHZZ	5905-106-1278	RESISTOR, FIXED, COMPOSITION RCR07G123JS (81349)		EA	5				*	*	*		*	26	7
PAHZZ	5905-119-3812	RESISTOR FIXED ,COMPOSITION RCRO7G121JS (81349)		EA	1				*	*	*		*	26	8
PAHZZ	5905-116-5554	RESISTOR, FIXED, COMPOSITION RCRO7G10SJS (81349)		EA	1				*	*	*		*	26	9
PAHZZ	5935-114-5399	RESISTOR, FIXED, COMPOSITION RCRO7G154JS (81349)		EA	1				*	*	*		*	26	10
PAHZZ	5905-116-8556	RESISTOR, FIXED, COMPOSITION RCR07G223JS (81349)		EA	2				*	*	*		*	26	11
PAHZZ	5905-111-4727	RESISTOR, FIXED, COMPOSITION RCRD7G272JS (81349)		EA	3				*	*	*		*	26	12
PAHZZ	5905-131-6045	RESISTOR FIXED, COMPOSITION RCR07G330JS (81349)		EA	2				*	*	*		*	26	13
PAHZZ	5905-104-8358	RESISTOR, FIXED, COMPOSITION RCROTGS822J (81349)		EA	2				*	*	*		*	26	14
PAHZZ	5905-244-5241	RESISTOR, VARIABLE 3359W1-504 ({8294)		EA	1				*	*	*		*	26	15
PAHZZ	5905-141-1183	RESISTOR, FIXED, COMPOSITION RCR07G101JS (81349)		EA	3				*	*	*		*	26	16
PAHZZ	5915-110-1620	RESISTOR, FIXED, COMPOSITION RCY07G102JS (81349)		EA	1				*	*	*		*	26	17
PAHZZ	5905-141-0743	RESISTOR, FIXED, COMPOSITION RCR07G392JS (61349)		EA	3				*	*	*		*	26	18
PAHZZ	5935-119-8768	RESISTOR. FIXED, COMPOSITION RCR27G821JS (81349)		EA	1				*	*	*		*	26	19
				E	B-77										

SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)	30 DAY MAINT. ALW.				1 YR. ALW. PER 100 EQUIP. © CONTGCY	(9) ⊢		0) RATIONS		
	FEDERAL	DESCRIPTION			ن ا		(6)			(7)		, GÖ.	NA G	(a)	(b)
% S ≥ S E	STOCK		USE	유품	₽E		DS			GS		ALV GC	PEF OUI	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	R. /	DEPOT MAINT. ALW. PER 100 EQUIP.	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	58	δ≥	1-20	21-50	51-100	1-20	21-50	51-100	LES	DE AL 10		
PAHZZ	5905-119-3504	RESISTOR, FIXED, COMPOSITION		ΕA	1				*	*	*		*	26	20
1 7		RCR07G273JS (81349)												20	
PAHZZ	5905-106-3666	RESISTOR, FIXED, CÓMPOSITION RCR07G103JS (81349)		EA	9				*	*	*		*	26	21
PAHZZ	5905-126-6683	RESISTOR, FIXED, COMPOSITION RCRJ7G332JS (81349)		EA	5				*	*	*		*	26	22
PAHZZ	5905-114-5344	RESISTOR. FIXED, COMPOSITION RCR07G184JS (81349)		EA	1				*	*	*		*	26	23
PAHZZ	5905-110-3388	RESISTOR, FIXED, COMPOSITION RC207G104JS (81349)		EA	2				*	*	*		*	26	24
PAHZZ	5905-141-3744	RESISTOR, FIXED, COMPOSITION RCR07G562JS (81349)		EA	1				*	*	*		*	26	25
PAHZZ	5905-135-7765	RESISTOR, FIXED, COMPOSITION RCRO7G224JS (81349)		EA	1				*	*	*		*	26	26
PAHZZ	5905-120-9154	RESISTOR, FIXED, COMPOSITION RCRO7G471JS (81349)		EA	1				*	*	*		*	26	27
PAHZZ	5905-40C-4528	RESISTOR, FIXED, COMPOSITION RCRO7G124JS (81349)		EA	1				*	*	*		*	26	28
PAHZZ	5905-114-3710	RESISTOR, FIXED COMPOSITION RCR07G331JS (81349)		EA	1				*	*	*		*	26	29
PAHZZ	5910-267-7706	CAPACITOR, FIXED, PLASTIC DI MR0-1UF10PCT160VOCW (08257)		EA	5				*	*	*		*	27	1
PAHZZ	5961-951-5757	TRANSISTOR 2N2222 (81349)		EA	13				*	*	*		*	27	2
PAHZZ	5910-224-5115	CAPACITOR, FIXED, ELECTROLYTIC K188C20K (31433)		EA	3				*	*	*		*	27	3
PAHZZ	5950-236-7123	INDUCTOR 080AC64 (51504)		EA	1				*	*	*		*	27	4
PAHZZ	5910-405-0856	CAPACITÒR, FIXED, PLASTIC DI 1MDF1-103 (72136)		EA	1				*	*	*		*	27	5
PAHZZ	5961-938-1135	SEMICONDUCTOR DEVICE, DIODE 1N4148 (81349)		EA	5				*	*	*		*	27	6
PAHZZ	5910-280-0986	CAPACITOR. FIXED, PLASTIC DI 611-1500PF2-5DCT33V (26625)		EA	1				*	*	*		*	27	7
				F	R-78										

TM 11-5805-647-14
SECTION XXVI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE TA918(V)1/FSC THRU
TA-918(V)8/FSC

(1) 111	(2)	(3)		(4)	(5)							(8)	(9)		0)
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(5)		(+)	(3)		30 [ΣΑΥ ΜΑ	AINT. AL	w		(0)			RATIONS
	FEDERAL	DESCRIPTION						77 1 WIF	11111. AL			1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP.		
38 <u>₹88</u>	CTOCK			. 빛	긍		(6) DS			GS		≥ü≻	절光품	(a) FIGURE	(b)
NO SOR			ISE	유흥	Ĭĕ						I	질을도			REF./ITEM
	NUMBER		ON	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	%. K. K. S.		NUMBER	NUMBER
		(MFR. PART NO.)	ODE	ΞZ	σ≧	1-20	21-50	51-100	1-20	21-50	51-100	<u>- E S</u>	۵۹۲		
PAHZZ		CAPACITOR. FIXED, PLASTIC DI ME0-33UF10PCT200V (08257)		EA	1				*	*	*		*	27	6
PAHZZ	5910-274-2208	CAPACITOR, FIXED, ELECTROLYTIC B41283-100-25-8112 (25088)		EA	2				*	*	*		*	27	9
PAHZZ	5910-275-5706	CAPACITOR, FIXED, PLASTIC DI 611-1300PF2-5PCT33V (26625)		EA	2				*	*	*		*	27	10
PAHZZ	5910-283-5664	CAPACITOR, FIXED, PLASTIC DI 611-82CPF2-5PCT63V (26625)		EA	2				*	*	*		*	27	11
PAHZZ	5950-236-7096	INDUCTOR 080A027 (51504)		EA	1				*	*	*		*	27	12
PAHZZ	5910-139-2406	CAPACITÒR, FIXED, PLASTIC DI 1MDF1-102 (72136)		EA	1				*	*	*		*	27	13
PAHZZ	5950-845-9157	TRANSFORMER, POWER SS0-3 (80223)		EA	1				*	*	*		*	27	14
PAHZZ	5935-775-5711	CONNÈCTOR, RECEPTACLE, ELEC 133-C18-43 (02660)		EA	1				*	*	*		*	27	15
PAHZZ	5910-828-6282	CAPACITOR, FIXED, ELECTROLYTIC C437AKG100 (K0004)		EA	1				*	*	*		*	27	16
PAHZZ		SOCKET, RELAY R40S410P33 (51504)		EA	1				*	*	*		*	27	17
	5945-244-5215	RELAY, ARMATURE R40E1W2V800 (77342)		EA	1				*	*	*		*	27	18
PAHZZ	5961-059-4464	TRANSISTOR 2N2218 (81349)		EA	1				*	*	*		*	27	19
	5910-974-5129	CAPACITOR, FIXED ELECTROLYTIC K10C20K (31433)		EA	1				*	*	*		*	27	20
PAHZZ	5961-106-3690	TRANSISTOR 2N6027 (04713)		EA	1				*	*	*		*	27	21
PAHZZ	5961-913-1747	TRANSISTOR 2N2927 (81349)		EA	1				*	*	*		*	27	22
PAHZZ		CAPACITOR, FIXED, PLASTIC DI 1MDF2-473 (72136)		EA	1				*	*	*		*	27	23
PAHZZ	5910-275-5704	CAPACITOR, FIXED, PLASTIC DI 611-1000PF2-5PCT33V (26625)		EA	1				*	*	*		*	27	24

SOURCE CODE MAINT (1) CODE REC. CODE	(2)	(3)		(4)	(5)	30 DAY MAINT. ALW.				1 YR. ALW. PER 100 EQUIP. © CONTGCY	(9)	(1 Illustr			
	FEDERAL	DESCRIPTION			•		(6)			(7)		, ng _	DEPOT MAINT. ALW. PER 100 EQUIP.	(a)	(b)
%S ≥ S E	STOCK	USI	፤ ¦	ӄӟ҇Ӏ	NCI		DS			GS		ALV GC GC	T M PEF OUI	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE ON		UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	R.Y.	PO W.	NUMBER	NUMBER
		(MFR. PART NO.) COD	E	ŚΞ	σ≧	1-20	21-50	51-100	1-20	21-50	51-100	<u>- E S</u>	PI AI		
PAHZZ	591C-275-5710	CAPACITOR, FIXED, PLASTIC DI 611-6800PF2-5PCT33V (26625)		EA	1				*	*	*		*	27	25
PAHZZ	5910-264-5592	CAPACITOR, FIXED, PLASTIC DI 611-1RCOPF2-5PCT33V (26625)		EA	1				*	*	*		*	27	26
PAHZZ	5910-275-6708	CAPACITOR, FIXED, PLASTIC DI 611-39000PF2-SPCT33V (26625)		EA	1				*	*	*		*	27	27
PAHZZ	5950-236-7115	INDUCTOR 080A063 (51504)		EA	1				*	*	*		*	27	28
PAHZZ	5950-236-7114	INDUCTOR 080AG62 (51504)		EA	1				*	*	*		*	27	29
PAHZZ	5910-283-5656	CAPACITÒR, FIXED, PLASTIC DI		EA	1				*	*	*		*	27	30
PAHZZ	5910-275-6717	611-220PF2-SPCT63V (266253 CAPACITOR, FIXED, PLASTIC DI		EA	1				*	*	*		*	27	31
PAHZZ	5940-103-1883	611-7500PF2-SPCT33V (26625) TERMINAL, LUG		EA	4				*	*	*		*	27	32
XAHZZ		2000C1 (15849) BRACKET, ANGLE		EA	1										
PAHZZ	5310-934-9748	SS0CH (80223) NUT, PLAIN, HEXAGON		EA	6				*	*	*		*		
PAHZZ	5305-054-5647	M535649-244 (96906) SCREW, MACHINE		EA	4				*	*	*		*		
PAHZZ	5310-550-3715	MS51957-13 (96906) WASHER, LOCK		EA	6				*	*	*		*		
XAHZZ		MS35333-70 (969'6) BRACKET, ANGLE		EA	1										
PAHZZ	5305-177-5545	1404-242 (51504) SCREW, MACHINE		EA	2				*	*	*		*		
XAHZZ		MS5i957-12C (96906) HANDLE		EA	1										
PAHZZ	5355-C58-2102	1414-2431 (51504) SCREW, TAPPING, THREAD FORMING		EA	2				*	*	*		*		
XAHZZ		MS24622-17 (96906) PANEL, BLANK 1410-3632 (51504)		EA	1										
				F	8-80										

(1)	(2)	(3)		(4)	(5)	30 DAY MAINT. ALW.				(8) <u>a</u>	(9) ⊢		0) RATIONS		
SOURCE CODE MAINT. CODE	FEDERAL	DESCRIPTION		Щ	ي		(6)			(7)		1 YR. ALW. PER 100 EQUIP. (CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	(a)	(b)
ŭ O ≥ O ⊠			USE	ь뜴	≧⊑	-	DS			GS		G0 AL	T PE	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	S.K.	LW.	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	⋽≥	ਰ≥	1-20	21-50	51-100	1-20	21-50	51-100	<u>- E 2</u>	4 A		
XAHZZ		PRINTED WIPING BOARD		EA	1										
AAAZZ		1410-1630 (51504)		LA	'										
		1410 1000 (01004)													
		GROUP 010307													
		DC/D POWER SUPPLY													
PAOHO	5895-195-3582	POWER SUPPLY		EA	1				*	*	*		*	28	1
		41028-01 (51504)			l .				*	*	*				
PAHZZ	6250-484-1124	LAMPHOLDER 301-058 (72765)		EA	1				_ ^	,	•		•	28	2
PAOZZ		LIGHT, INDICATOR		EA	1				*	*	*		*	28	3
1 7022		11-507 (72765)			'									20	ľ
PAHZZ	5930-007-3967	SWITCH. TOGGLE		EA	1				*	*	*		*	28	4
		7101P (09353)													
PAOZZ	5920-280-3178	FUSE, CARTRIDGE		EA	1				*	*	*		*	28	5
DA1177	5000 700 4440	MOL2-1-2 (11400)		_,					*	*	*				
PAHZZ	5920-709-1149	FUSEHOLDER 342012 (75915)		EA	1				*	*	*		*	28	6
P4HZZ	5935-081-4578	JACK, TIP		EA	1				*	*	*		*	28	7
1 41122	3933-001-4370	SKT10SLK (98291)			'									20	'
PAHZZ	5935-617-6837	JACK, TIP		EA	1				*	*	*		*	28	8
		SKT10WHT (98291)													
XAHZZ		BRACKET, ANGLE		EA	1										
DA1133	5005 054 5050	1424-2420 (51504)		_,											
PAHZZ	5305-054-5650	SCREW, MACHINE MS51957-26 (96961)		EA	2				_ ^	Ŷ	•		•		
XAHZZ		CLIP. ELECTRICAL		EA	1										
XXIIZZ		116A (72765)			'										
XAHZZ		HANDLE		EA	1										
		1434-2431 (51504)													
PAHZZ	5305-058-2102	SCREW. TAPPING, THREAD FORMING		EA	2				*	*	*		*		
VALIZZ		MS24622-17 (96906)		_,											
XAHZZ		PANEL, BLANK 1413-0280 (51504)		EA	1										
AHHHD		CIRCUIT CARD ASSEMBLY		EA	1									29	1
'"""		4410-1200-01 (51504)			'										
		,													
					B-81										

SOURCE CODE MAINT. (L) CODE REC. CODE	(2)	(3)		(4)	(5)		30 [ΟΔΥ ΜΑ	AINT. AL	w		(8)	(9)		0) RATIONS
	FEDERAL	DESCRIPTION			_		(6)	J7 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		(7)		1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	(a)	(b)
SS≹SÄ	STOCK	US	E	卢류	ᄓ		DS			ĠŚ		SCEW	N SER	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE O	u I	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	R. A.	.w. F	NUMBER	NUMBER
		(MFR. PART NO.) CO	DE	ᇹ	ō≅	1-20	21-50	51-100	1-20	21-50	51-100	<u></u>	DE AL 10		
PAHZZ	5910-244-8766	CAPACITOR, FIXED, ELECTROLYTIC		EA	2				*	*	*		*	29	2
PARZZ	5910-244-6766	61C75AA172 (99392)		EA	2									29	
PAHZZ	5910-902-1186	CAPACITOR, FIXED, ELECTROLYTIC 3901180050HP4 (56289)		EA	1				*	*	*		*	29	3
PAHZZ	5940-103-1883	TERMINAL, LUG 200OC1 (15849)		EA	12				*	*	*		*	29	4
PAHZZ	5905-060-3731	RESISTOR, FIXED, WIRE WOUND RW69VIROTX (81349)		EA	1				*	*	*		*	29	5
PAHZZ.	5935-775-5711	CONNECTOR, RECEPTACLE, ELEC 133-018-43 (02660)		EA	1				*	*	*		*	29	6
PAHZZ	5910-139-24C6	CAPACITOR, FIXED, PLASTIC DI 1MDF1-102 (72136)		EA	1				*	*	*		*	29	7
PAHZZ	5961-913-1747	TRANSISTOR 2N2907 (81349)		EA	3				*	*	*		*	29	8
PAHZZ	5961-975-1795	SEMICONDUCTOR DEVICE, DIODE 1N5240 (04713)		EA	1				*	*	*		*	29	9
PAHZZ	5905-131-1255	RESISTOR, FIXED, COMPOSITION RCRO7G122JS (81349)		EA	2				*	*	*		*	29	10
PAHZZ	5905-111-4727	RESISTOR, FIXED, COMPOSITION RCRC7G272JS (81349)		EA	2				*	*	*		*	29	11
PAHZZ	5910-974-5129	CAPACITOR, FIXED, ELECTROLYTIC K10C20K (31433)		EA	1				*	*	*		*	29	12
PAHZZ	5905-243-1806	RESISTOR, VARIABLE 3359W1-132 (80294)		EA	1				*	*	*		*	29	13
PAHZZ	5905-114-0711	RESISTOR, FIXED, COMPOSITION RCRO7G47ZJS (81349)		EA	2				*	*	*		*	29	14
PAHZZ	5905-106-3666	RESISTOR, FIXED, COMPOSITION RCRC7G103JS (81349)		EA	1				*	*	*		*	29	15
PAHZZ	5905-110-3196	RESISTOR, FIXED. COMPOSITION RCR20G102JS (51349)		EA	1				*	*	*		*	29	16
PAHZZ	5905-105-7764	RESISTOR, FIXED. COMPOSITION RCRC7G222Js (81349)		EA	1				*	*	*		*	29	17
PAHZZ	5961-979-0108	TRANSISTOR 2N4037 (80131)		EA	1				*	*	*		*	29	18
				E	3-82										

SECTION XXVI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

(2) (3) (5) (9) (10) 1 YR. ALW. PER 100 EQUIP. 3 CONTGCY 30 DAY MAINT. ALW. DEPOT MAINT ALW PER 100 EQUIP **ILLUSTRATIONS FEDERAL** DESCRIPTION (6) (a) UNIT OF MEASURE QTY. INCL. IN UNIT USE GS STOCK DS **FIGURE** REF./ITEM NUMBER NUMBER REF. NUMBER MFR. CODE ON NUMBER (b) (c) (a) (b) (c) (MFR. PART NO.) CODE 21-50 51-100 1-20 21-50 51-100 PAHZZ 29 5961-871-3538 **HEAT SINK** EΑ 1 19 NF207 (05820) 2 PAHZZ 5310-934-3748 NUT, PLAIN, HEXAGON EΑ MS35649-244 (96906) PAHZZ 5305-177-5545 SCREW, MACHINE EΑ 2 MS51957-120 (96906) PAHZZ 2 5310-55C-3715 WASHER, LOCK EΑ MS35333-70 (96906) XBHZZ PRINTED WIRING BOARD EΑ 1 1410-1200 (51554)

FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX

0-0-10-11-10-0-1111			AND INEI EINEROL ROMBEN MOEX		
SECTION XXVIII	FIGURE	ITEM		FIGURE	ITEM
FEDERAL STOCK NUMBER	NUMBER	NUMBER	FEDERAL STOCK NUMBER	NUMBER	NUMBER
5120-471-1819	16	15	5905-110-7620	25	31
5325-829-3887	15	5	5935-110-7620	26	17
5895-167-1183	16	1	9905-110-7622	21	17
5895-167-1270	11	1	5905-110-7622	22	6
5895-107-1270 5895-173-7023	21	1	5905-111-1678	22	17
	24	1		25 25	
5895-173-7035		1	5905-111-4727		6
5895-173-7051	19	1	5905-111-4727	26	12
5895-171-3549	25	1	5905-111-4727	29	11
5895-195-0582	28	1	5905-111-4858	15	3
0905-060-3731	29	5	5905-111-4927	22	21
5905-070-3369	14	5	5905-114-0710	22	35
9905-104-9756	16	11	5905-114-0710	26	29
5905-104-5756	17	10	5905-114-0711	19	4
5905-104-5346	16	8	5995-114-0711	21	19
5905-104-8358	22	18	5905-114-0711	22	26
5905-104-8358	26	14	5905-114-0711	29	14
5905-104-8364	22	9	5905-114-0717	22	5
5905-104-8368	21	12	5905-114-5339	22	13
5905-104-6368	22	22	5905-114-5339	19	15
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5905-105-7764	22	8	5905-114-5344	22	31
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5905-105-7765	22	16	5905-115-3560	24	16
5905-105-7765	25	13	5905-115-3560	25	28
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5905-106-1278	22	12	5905-115-8055	25	39
5905-106-1278	26	7	5905-116-2394	24	19
5905-106-1282	16	5	5915-116-2394	25	5
5905-106-1282	17	4	5905-116-8552	19	11
5905-106-1356	21	22	5915-116-8554	22	11
5905-106-1336	19	6	5905-116-8554	26	9
	21	5		21	16
5905-106-3666			5905-116-8555		
5905-106-3666	22	2	5905-116-8555	22	3
5905-136-3666	24	14	5905-116-0555	24	25 6
5915-106-3666	25	32	5905-116-8555	26	
5905-106-3666	26	21	5905-116-8556	21	11
5905-106-3666	29	15	5905-116-8556	22	14
5905-106-3668	24	8	5905-116-8556	24	7
5905-106-3668	25	45	5905-116-8556	25	47
5905-106-3348	17	12	5905-116-8556	26	11
5905-110-0196	16	14	5905-116-8560	17	3
5905-110-0196	29	16	5905-115-4559	21	9
5905-110-0388	19	3	5905-119-3503	19	11
5905-110-0388	22	7	5505-119-3503	22	23
5955-110-0388	26	, 24	5935-119-3503	24	22
5935-110-0388	22	29	5935-119-3503 5935-119-3503	25 25	46
5905-110-7620 5905-110-7620	24	29	5905-119-3504	25	8
0900-110-7020	24	۷	0900-119-0004	۷1	0

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SECTION XXVIII		FEDERAL STOCK N	UMBER AND REFERENCE NUMBER INDEX		
	FIGURE	ITEM		FIGURE	ITEM
FEDERAL STOCK NUMBER	NUMBER	NUMBER	FEDERAL STOCK NUMBER	NUMBER	NUMBER
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5905-119-3504	24	11	5905-243-1806	25 29 22	50
5905-119-3504	25	33	5905-243-1806	29	13
5905-119-3504	26	20	5905-243-1807	22	36 2
5905-119-876s	22	24	5905-243-1807	26	2
5905-119-8768	26	19	5905-243-2517	19	7
5905-119-8769	19	13	5905-244-8241	21	26
5905-119-8812	19	17	5905-244-8241	22	30 t5
5905-119-8812	22	10	5905-244-8241	26	t5
5905-119-8812	25	8	5905-274-2238	16	20
5905-119-8812	26	a	5905-400-4528	22	34 28
5905-120-9154	21	13	5905-400-4528	26	28
5905-120-9154	22 26	33	5905-552-5478	15	6
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5905-121-9932 5005-136-6683	19	9 5	5905-818-4866 5005-833-0466	18 24	27 27
5905-126-6683 5905-126-b683	21		5905-832-9466 5905-832-9466	24 25	27 44
5905-126-0663 5905-126-6683	22	3 20	5905-632-9466 5905-958-7253	25 14	9
5905-126-6683	24	20 17	5905-984-3312	14	13
5905-126-6683	25	26	5910-068-3887	23	10
5905-126-6683	26	22	5910-139-2406	20	14
5905-131-1255	19	16	5910-139-2406	21	23
5905-131-1255	24	15	5910-139-2406	23	23 13
5905-131-1255	25	30	5910-139-2406	27	13
5935-131-1255	25 29	13	5910-139-2406	29	13 7
5905-135-6045	22	15	5910-222-7765	20	2
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5905-141-0598	22	25	5910-244-8766	29	2
5905-141-0717	19	14	5910-261-6533	16	19
5905-141-0717	21	4	5910-261-6533	1t	5
5905-141-0717	24	13	5910-264-5591	20	5 22 49
5905-141-3717 5005-141-0717	25	48 4	5910-264-5591 5910-264-5592	25	49
5905-141-0717 5905-141-0742	26 22	4	5910-264-5593	27 20	20
5905-141-0742 5905-141-0742	26	3	5910-264-5593	23	26 23 29 28
5935-141-3743	22	28	5910-264-5594	20	28
5905-141-7143	26	18	5910-264-5595	20	27
5905-141-0744	22	32	5910-264-5595	25	19
5905-141-0744	26	25	5910-267-2704	20	1
5905-141-1168	16	2	5910-267-2706	20	4
5905-141-1168	17	$\overline{2}$	5910-267-2706	27	1
5905-141-1183	19	8	5910-274-2208	23	8
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5905-141-1183	24	18	5910-274-2208	25	35
5905-141-1183	25	27	5910-274-2208	27	9
5935-141-1183	26	16	5910-274-2218	20	26
5905-238-5828	22	37	5910-274-2218	25	9

FIGURE TIEM NUMBER NUM	SECTION XXVIII		FEDERAL STOCK N	UMBER AND REFERENCE NUMBER INDEX		
FEDERAL STOCK NUMBER NUMBER NUMBER NUMBER SECRETAL STOCK NUMBER NUMBER SHORT		FIGURE			FIGURE	ITEM
5910-2774-2231 25 22 5920-868-3238 14 6 5910-2774-2231 25 41 5900-9667 28 4 5910-2774-6704 25 25 27 28 5830-688-9678 28 4 5910-2775-6704 27 28 28 5830-688-9678 28 29 29 29 29 29 29 29 29 29 29 29 29 29	FEDERAL STOCK NUMBER			FEDERAL STOCK NUMBER		
5910-2774-2231 25 22 5920-868-3238 14 6 5910-2774-2231 25 41 5900-9667 28 4 5910-2774-6704 25 25 27 28 5830-688-9678 28 4 5910-2775-6704 27 28 28 5830-688-9678 28 29 29 29 29 29 29 29 29 29 29 29 29 29	5910-274-2230	20	25	5920-657-8933	14	8
5910_277-5704 25		25	22			
5910-275-6704 23 26 5930-688-953 23 34		25				
5910-275-6704		23			23	
5910-275-6706 23		27			24	29
S910-275-6708 23 31 S935-238-5507 16 13 13 15 13 15 13 15 13 15 13 15 13 15 13 15 15		23			25	52 52
S910-275-6708 23 31 S935-238-5507 16 13 13 15 13 15 13 15 13 15 13 15 13 15 13 15 15		27			28	7
S910-275-7008 25						
S910-275-6709 27		25				
S910-275-6709 25		27				
S910-275-6710 23 27 5935-617-6837 28 8 5910-275-6710 27 25 25 5935-775-5711 20 16 5910-275-6717 23 28 5935-775-5711 21 21 21 21 3910-279-6516 25 51 5935-775-5711 21 22 23 28 5935-775-5711 21 22 21 3910-279-6516 25 51 5935-775-5711 24 23 23 28 3935-775-5711 24 23 23 28 3935-775-5711 24 23 23 28 29 29 29 29 29 29 29		25		5935-617-6837	25	53
S910-275-6717 23 28 5935-775-5711 21 21 21 21 5910-275-6717 27 31 5935-775-5711 23 31 8 5910-280-6896 25 51 5935-775-5711 24 23 23 5910-280-6896 23 4 5935-775-5711 27 15 5910-280-3896 23 4 5935-775-5711 27 15 5910-280-3896 23 4 5935-775-5711 27 15 5910-280-3896 27 7 7 5935-775-5711 29 6 6 5910-283-5655 25 20 5935-837-5718 18 5 5910-283-5656 23 32 5940-103-1883 21 24 24 24 24 24 24 24		23			28	
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5910-892-9994 25 40 5950-236-7363 20 13 5910-893-0201 24 20 5950-236-7396 23 9 5910-992-1186 29 3 5950-236-7396 27 12 5910-974-6129 21 14 5950-236-7098 20 29 5910-974-6129 23 21 5950-236-7399 20 31 5910-974-6129 24 \$ 5950-236-7101 20 20 5910-974-6129 25 3 5950-236-7102 20 19 5910-974-6129 25 3 5950-236-7102 20 19 5910-974-6129 27 20 5950-236-7102 20 18 5910-974-6129 27 20 5950-236-7102 20 17 5920-280-3178 28 5 5950-236-7106 20 17 5920-280-5066 15 8 5950-236-7108 25 18 5920-462-7136 15 7 5950-236-7108 25 15 5920-709-1149 25 6 5950-236-7110		27			20	
5910-893-0201 24 20 5950-236-7396 23 9 5910-693-0201 25 23 5950-236-7396 27 12 5910-902-1186 29 3 5950-236-7097 20 29 5910-974-6129 21 14 5950-236-7098 20 30 5910-974-6129 23 21 5950-236-7399 20 31 5910-974-6129 24 s 5950-236-7101 20 20 5910-974-6129 25 3 5950-236-7102 20 19 5910-974-6129 27 20 5950-236-7102 20 18 5910-974-6129 29 12 5950-236-7103 20 18 5910-974-6129 29 12 5950-236-7106 20 17 5920-280-3178 28 5 5950-236-7107 25 18 5920-280-5066 15 8 5950-236-7108 25 15 5920-462-7136 15 7 5950-236-7109 25 10 5920-709-1149 25 6 5950-236-7110						
5910-693-0201 25 23 5950-236-7396 27 12 5910-902-1186 29 3 5950-236-7097 20 29 5910-974-6129 21 14 5950-236-7098 20 30 5910-974-6129 23 21 5950-236-7399 20 31 5910-974-6129 24 s 5950-236-7101 20 20 5910-974-6129 25 3 5950-236-7102 20 19 5910-974-6129 27 20 5950-236-7103 20 18 5910-974-6129 29 12 5950-236-7106 20 17 5920-280-3178 28 5 5950-236-7106 20 17 5920-280-5066 15 8 5950-236-7107 25 18 5920-280-7136 15 7 5950-236-7108 25 15 5920-709-1149 25 6 5950-236-7110 23 16						
5910-902-1186 29 3 5950-236-7097 20 29 5910-974-6129 21 14 5950-236-7098 20 30 5910-974-6129 23 21 5950-236-7399 20 31 5910-974-6129 24 s 5950-236-7101 20 20 5910-974-6129 25 3 5950-236-7102 20 19 5910-974-6129 27 20 5950-236-7103 20 18 5910-974-6129 29 12 5950-236-7106 20 17 5920-280-3178 28 5 5950-236-7106 20 17 5920-280-5066 15 8 5950-236-7108 25 18 5920-462-7136 15 7 5950-236-7108 25 10 5920-709-1149 25 6 5950-236-7110 23 16		25			27	12
5910-974-6129 21 14 5950-236-7098 20 30 5910-974-6129 23 21 5950-236-7399 20 31 5910-974-6129 24 8 5950-236-7101 20 20 5910-974-6129 25 3 5950-236-7102 20 19 5910-974-6129 27 20 5950-236-7103 20 18 5910-974-6129 29 12 5950-236-7106 20 17 5920-280-3178 28 5 5950-236-7107 25 18 5920-280-5066 15 8 5950-236-7108 25 15 5920-462-7136 15 7 5950-236-7108 25 10 5920-709-1149 25 6 5950-236-7110 23 16		29	3	5950-236-7097		29
5910-974-6129 23 21 5950-236-7399 20 31 5910-974-6129 24 s 5950-236-7101 20 20 5910-974-6129 25 3 5950-236-7102 20 19 5910-974-6129 27 20 5950-236-7103 20 18 5910-974-6129 29 12 5950-236-7106 20 17 5920-280-3178 28 5 5950-236-7107 25 18 5920-280-5066 15 8 5950-236-7108 25 15 5920-482-7136 15 7 5950-236-7108 25 10 5920-709-1149 25 6 5950-236-7110 23 16		21				30
5910-974-6129 24 s 5950-236-7101 20 20 5910-974-6129 25 3 5950-236-7102 20 19 5910-974-6129 27 20 5950-236-7103 20 18 5910-974-6129 29 12 5950-236-7106 20 17 5920-280-3178 28 5 5950-236-7107 25 18 5920-280-5066 15 8 5950-236-7108 25 15 5920-462-7136 15 7 5950-236-7139 25 10 5920-709-1149 25 6 5950-236-7110 23 16		23			20	31
5910-974-6129 25 3 5950-236-7102 20 19 5910-974-6129 27 20 5950-236-7103 20 18 5910-974-6129 29 12 5950-236-7106 20 17 5920-280-3178 28 5 5950-236-7107 25 18 5920-280-5066 15 8 5950-236-7108 25 15 5920-462-7136 15 7 5950-236-7139 25 10 5920-709-1149 25 6 5950-236-7110 23 16					20	20
5910-974-6129 27 20 5950-236-7103 20 18 5910-974-6129 29 12 5950-236-7106 20 17 5920-280-3178 28 5 5950-236-7107 25 18 5920-280-5066 15 8 5950-236-7108 25 15 5920-462-7136 15 7 5950-236-7139 25 10 5920-709-1149 25 6 5950-236-7110 23 16		25				19
5910-974-6129 29 12 5950-236-7106 20 17 5920-280-3178 28 5 5950-236-7107 25 18 5920-280-5066 15 8 5950-236-7108 25 15 5920-462-7136 15 7 5950-236-7139 25 10 5920-709-1149 25 6 5950-236-7110 23 16		27				18
5920-280-3178 28 5 5950-236-7107 25 18 5920-280-5066 15 8 5950-236-7108 25 15 5920-462-7136 15 7 5950-236-7139 25 10 5920-709-1149 25 6 5950-236-7110 23 16		 29				
5920-280-5066 15 8 5950-236-7108 25 15 5920-462-7136 15 7 5950-236-7139 25 10 5920-709-1149 25 6 5950-236-7110 23 16		28				
5920-462-7136 15 7 5950-236-7139 25 10 5920-709-1149 25 6 5950-236-7110 23 16		15			25	
5920-709-1149 25 6 5950-236-7110 23 16		15	7		<u>25</u>	
5920-857-5416 14 14 5950-236-7114 23 33		25	6		23	
	5920-857-5416	14	14	5950-236-7114	23	33
5920-857-8417 14 7 5950-236-7114 27 29			7		27	

SECTION XXVIII		FEDERAL STOCK NUMBER A	AND REFERENCE NUMBER INDEX		• •
0_0.1011.7	FIGURE	ITEM		FIGURE	ITEM
FEDERAL STOCK NUMBER	NUMBER	NUMBER	FEDERAL STOCK NUMBER	NUMBER	NUMBER
5950-236-7115	22	30	6240-683-0560	14	10
5950-236-7115 5950-236-7115	23 27	28	6253-484-1124	28	10 2
	21	26 25	0203-404-1124	20	2
5950-236-7120	23 27				
5950-236-7120	27	4			
5950-845-9157	20	15			
5950-845-9157	23 27	15			
5950-845-9157	27	14			
5950-930-4451	24	3			
5950-930-4451	25	43			
5961-059-4464	23	14			
5961-059-4464	24 25 23 27	19			
5961-106-3698	23 27	22			
5961-106-3698	27	21			
5961-107-2571	17	16			
5961-146-5295	17	14			
5961-148-4501	16	3			
5961-199-6068	1	4			
5961-226-8584	16	4			
5961-226-S584	17	13			
5961-250-4028	17	17			
5961-250-4722	16	16			
5961-250-4722	17	11			
5961-577-6214	14	2			
5961-843-2498	17	8			
5961-871-9536	29	19			
5961-913-1747	20 23	6			
5961-913-1747	23	23			
5961-913-1747	24	26			
5961-913-1747	25 27	29			
5961-913-1747	27	22 8			
5961-913-1747	29 17	8			
5961-938-1135	17	6			
5961-938-1135	20	7			
5961-938-1135	21	7			
5961-938-1135	23	1			
5961-938-1135	24	6			
5961-938-1135	25 27	34			
5961-938-1135	27	6			
5961-951-5757	20	3			
5961-951-5757	21	6			
5961-951-8757	23	2			
5961-951-8757	24	9			
5961-951-8757	25 27	4			
5951-951-8757	27	2			
5961-975-1795	29	9			
5961-979-0108	29 17	1 <u>8</u>			
5962-169-4728	17	7			
5962-169-4735	16	9			
5962-169-4730 5043-243-2555	17 17	21			
5942-243-2555	17	9			

SECTION XXVIII MANUFACTURER PART NUMBER	FEDERAL ST	FOCK NUMBER AND REF	ERENCE NUMBER INDEX
	FED MFR	FIGURE	ITEM
	CODE	NUMBER	NUMBER
A2169 B41283-100-25-8112 B41283-100-25-8112 B41283-100-25-8112 B41283-100-25-8112 B41283-100-50-9021 C010F0101K03 C010F0151K03 C010F0151K03 C04001AE CD4001AE CD4001AE CD4002AE CM06F0182J03 CPS-120-0HNIOPCT C437ARG100 C437ARG100 C437ARG100 C437ARG100 C437ARG100 C437ARG100 C437ARG100 C437ARG100 K171-1-3 GMT2 GMT5 G402 HLT INT9740 K1RSC20K K1ROC20K K1RC20K K1RC20K K10C20K	27264 25088 25088 25088 25088 25088 14655 14655 14655 14655 86684 86684 86684 86684 86684 86084 80004 K0004 K0004 K0004 K0004 K0004 T1400 71400 71400 92219 71400 15960 31433	16 23 24 25 27 21 23 24 25 16 17 17 17 20 16 20 23 24 25 27 14 4 14 15 14 17 20 21 23 24 25 27 21 23 24 25 27 21 23 27 21 23 27 21 23 24 25 27 21 23 24 25 27 21 23 24 25 27 21 23 24 25 27 21 23 24 25 27 21 23 24 25 27 21 23 24 25 27 21 23 24 25 27 21 23 24 25 27 21 23 24 25 27 29 15 16 28 20 23 27 19 17 20	13 8 10 35 9 25 IC 20 23 9 21 7 9 5 20 24 17 21 36 16 14 8 7 5 6 1 11 10 12 3 14 21 5 3 14 21 5 6 1 1 1 1 1 1 1 1 1 1 1 1 1
MRO-IUFIOPCT160VOCW	08257	23	11
MRO-1UFIOPCT16CVDCW	18257	27	1
MRO-1UF3PCT16CVDCW	08257	20	9
NF207	05820	29	19
PJF10	70674	15	2

MANUFACTURER PART NUMBER	SECTION XXVIII FE FED MFR CODE	EDERAL STOCK NUMBER AND FIGURE NUMBER	REFERENCE NUMBER INDEX ITEM NUMBER
PT001 RCR07G101JS RCR07G101JS RCR07G101JS RCR07G101JS RCR07G101JS RCR07G102JS RCR07G102JS RCR07G102JS RCR07G102JS RCR07G102JS RCR07G103JS RCR07G104JS RCR07G104JS RCR07G104JS RCR07G104JS RCR07G104JS RCR07G12JS RCR07G15JS	01121 81349	16 19 22 24 25 26 22 24 25 26 19 21 22 24 25 26 29 19 22 26 29 26 29 20 21 21 22 26	21 8 19 18 27 16 29 2 31 17 6 5 2 14 32 21 15 3 7 24 11 9 17 10 8 8 8 16 t5 30 1t 19 12 7 34 28 9 22 16 3 25 7 6 13 10 4 3 10 4 3
RCR07118ZJS RCR07G182JS RCR07G183JS RCR07G183JS	81349 81349 81349 81349	19 25 24 25	15 24 16 28

SECTION XXVIII MANUFACTURER PART NUMBER	FEDERAL S FED MFR CODE	TOCK NUMBER AND REF FIGURE NUMBER	ERENCE NUMBER INDEX ITEM NUMBER
MANUFACTURER PART NUMBER RCR07G164JS RCR07G164JS RCR07G220JS RCR07G222JS RCR07G222JS RCR07G222JS RCR07G222JS RCR07G222JS RCR07G222JS RCR07G223JS RCR07G223JS RCR07G223JS RCR07G223JS RCR07G223JS RCR07G223JS RCR07G273JS RCR07G273JS RCR07G273JS RCR07G273JS RCR07G273JS RCR07G273JS RCR07G271JS RCR07G271JS RCR07G271JS RCR07G271JS RCR07G273JS	FED MFR CODE 81349	FIGURE NUMBER 21 22 26 24 25 19 21 22 26 29 19 21 22 24 25 26 29 21 22 24 25 26 29 21 22 24 25 26 29 21 22 24 25 26 29 21 22 24 25 26 29 21 22 24 25 26 29 21 22 24 25 26 29 21 22 24	ITEM NUMBER 27 31 23 8 45 12 18 8 5 17 10 11 14 7 47 11 16 13 26 11 23 22 46 21 6 12 11 8 27 11 8 27 11
RCR07G330JS RCR07G330JS RCR07G331JS RCR07G331JS RCR07G332JS RCR07G332JS RCR07G332JS RCR07G332JS RCR07G332JS RCR07G333JS RCR07G393JS RCR07G391JS RCR07G399JS RCR07G399JS RCR07G394JS RCR07G394JS RCR07G394JS RCR07G394JS RCR07G394JS	81349 81349 81349 81349 81349 81349 81349 81349 81349 81349 81349 81349 81349 81349 81349 81349	22 26 22 26 19 21 22 24 25 26 21 19 22 26 25 26 25 24 25 26	15 13 35 29 5 3 20 17 26 22 9 9 9 28 18 39 12 38

SECTION XXVIII MANUFACTURER PART NUMBER	FEDERA	AL STOCK NUMBER AND	REFERENCE NUMBER INDEX
	FED MFR	FIGURE	ITEM
	CODE	NUMBER	NUMBER
RCR07G470JS	81349	22	22
RCRC7G471JS	81349	21	13
RCRC7G471JS	81349	22	33
RCR07G471JS	81349	26	27
RCRS7G472JS	81349	19	4
RCR07G472JS	81349	21	19
RGR07G472JS	81349	22	26
RCR07G472JS	81349	29	14
RCR07G473JS	81349	19	14
RCR77G473JS	81349	21	4
RCR07G473JS	81349	22	5
RCR07G473JS	81349	24	13
RCR17G473JS	81349	25	48
RCR07G473JS	81349	26	4
RCR07G511JS	81349	24	19
RCR07GS11JS	81349	25	5
RCR07G562JS	81349	22	32
RCR07G562JS	81349	26	25
RCR07GS64JS	81349	22	17
RCR07G621JS	81349	25	25
RCR07G682JS	81349	21	17
RCR07G682JS	81349	22	6
RCR077GB1JS	81349	19	13
RCR07G8Z1JS	81349	22	24
RCR7G821JS	81349	26	19
RCR07G822JS RCR07G822JS RCR20G10ZJS RCR20G10ZJS RCR20G102JS	61349 81349 81349 81349	22 26 16 29	18 14 14 16
RCR20G103JS RCR20G10SJS RCR20G10SJS RCR20G1S4JS	81349 81349 81349 81349	17 16 117 17	20 11 1 1 12
RCR20G204JS	81349	17	3
RCR20G222JS	81349	16	2
RCR20G222JS	81349	17	2
RCR20G223JS	81349	16	5
RCR20G223JS	81349	17	4
RCR20G334JS	81349	16	8
RCR20G471JS	81349	15	3
RCR20G473JS	81349	16	6
RCR20GS61JS RHS0-150H RNR65C5ZR3FS RNR65C6C4FS	81349 91637 81349 81349	22 18 19 24 25	25 2 7 27
RNR65C6041FS	81349	25	44
RV4NAYSD1C2A	81349	15	6
RW69V1R01X	81349	29	5
R2563-1	15636	16	18
R40E1W2V800	77342	21	20

SECTION XXVIII FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX **MANUFACTURER FED MFR FIGURE ITEM PART NUMBER** CODE **NUMBER NUMBER** 27 R40EIW2V8CO R4CEIW2V800 R4CtS4OP33 2CA R40S410P33 R40S4tOP33 SKT10tLK SKT10BLK SKT10BLK SKTIONHT

SKTIOWHt

SKTIONHT

TA-918(V)1/FSC

TOC105NO1SAS

TOC106MG1CBS

TDC476Mo1OCS

00-6007-044-452-012

T154-ZC6V

VTL9B7

00sA120

08CA021

08EA027

080A027

98CA040

08CA041

080A042

08CA043 08CAD44

80CA045

08CA046

08CA051

00A4052

08CA053

CACA061

08CA062

08CA062

080A063

08CA063

808A064

1-5KE51A

1MDF1-102

1MDF1-102

1MOF1-102

1MDF1-102

1MDF1-102

08A064

OSL3

0SL3

SSO-3

SSO-3

SSO-3

MANUFACTURER PART NUMBER	SECTION XXVIII	FEDERAL STOCK NUMBER AND RE	FERENCE NUMBER INDEX
	FED MFR	FIGURE	ITEM
	CODE	NUMBER	NUMBER
1MOF1-103 1DOF1-103 1MOF1-153 1MDF1-472 1MDF2-473 1MOF2-473 1MOF2-473 1N4003 1N4148 1N4148 1N4148 1N4148 1N4148 1N4148 1N4148 1N5240 1N538 11-507 124-5K 124-5 12734-1 133-018-43 133-018-22 22 2V222	72136 72136 72136 72136 72136 72136 72136 72136 72136 72138 04713 81349 81349 81349 81349 81349 81349 81349 81349 72765 70674 70674 70674 21870 02660 02660 02660 02660 02660 02660 02660 02660 02660 02660 02660 02660 02660 02660 813511 72619 81349	23 27 20 20 20 23 27 t6 17 17 20 21 23 24 25 27 29 14 28 24 25 14 20 21 23 24 25 27 29 16 18 14 20 21 23 24 25 27 29 16 17 20 21 23 24 25 27 29 20 21 23 24 25 27 29 20 21 23 24 25 27 29 20 21 23 24 25 27 29 20 21 23 24 25 27 29 20 21 23 24 25 27 29 20 21 23 24 25 27 29 20 21 23 24 25 27 20 21 23 24 25 27 20 21 23 24 25 27 20 21 23 24 25 27 20 21	3 5 12 2 111 24 23 3 8 6 7 7 7 1 6 34 6 9 2 3 3 4 3 1 1 16 21 18 23 37 15 6 12 5 12 14 14 19 4 13 3 6 2 9 9 14 9 15 9 16 9 17 9 18 9 18 9 18 9 18 9 18 9 18 9 18
2N2937	81349	24	26
2N2907	81349	25	29
2N2907	81349	27	22
2N2907	81349	29	8
2N3055	81349	18	4
2N4637	81349	29	18

SECTION XXVIII FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX **MANUFACTURER FED MFR FIGURE ITEM** CODE **PART NUMBER NUMBER NUMBER** 2N4922 04713 17 16 2N5308 09214 17 14 2N6027 04713 21 15 2N6027 04713 23 22 21 24 2"6027 04713 27 21 2000Ct 15849 20COC1 15849 23 20c0CI 15849 15849 200Ct 2000Ct

20COCI

30s55-1

313005

32012t

3420tS

345

39-1

SECTION XXVIII FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX **MANUFACTURER FED MFR FIGURE** ITEM **PART NUMBER** CODE **NUMBER NUMBER** 513-0101-684 52A 60-6002-31-24 6I075AA172 611-100PF2-SPCT63V 611-100OOPF2-SPCT33V 611-1000PF2-5PCT33V 23 611-110COPFZ-SPCT33V 611-13000PF2-SPCT33V 23 23 27 611-13000PF2-5PCT33V 611-13008PFZ-5PCT63V 611-1500PF2-SPCT33V 611-150i PF2-SPCT33V 611-15080PF2-5PCT33V 25 49 611-I6000PF2-SPCT33V 611-16000PFZ-5PCT33V 26 611-1800PF2-SPCT33V 611-180I PF2-5PCT33V 32 611-18000PF2-5PCT33V 611-220PF2-5PCT63V 611-220PF2-SPCT63V 611-220O0PF2-5PCT33V 611-240OPF2-SPCT33V 611-Z400OPF2-SPCT33V 611-27000PF2-SPCT33V 25 611-2700OPF2-SPCT33V 611-300PF2-SPCT63V 611-30000PF2-5PCT33V 25 23 611-3300PF2-SPCT33V 611-33000PF2-5PCT33V 611-39000PF2-SPCT33V 27 25 611-393JOPF2-SPCT33V 611-39300PF2-5PCT33V 611-42000PF2-SPCT33V 611-470PF2-5PCT63V 611-680PF2-SPCr63V 611-6800PF2-5PCT33V 611-6800PF2-5PCT33V 611-7500PF2-SPCT33V 611-750CPF2-5PCT33V 611-823PF2-SPCT63V 611-80OPF2-SPCT63V 67DPK4C501 7101P 831-09X5F0-471K

TM 11-5805-647-14 TA-930(V)1/FSC AND TA-930(V)2/FSC

SECTION XXIX ORGANIZATION MAINTENANCE REPAIR PARTS LIST

	SECTION XXI	X ORGANIZATION MAINTENANCE REP	<u>'AIR</u>	L PA	<u> XKIS</u>	LIS I					
SOURCE CODE MAINT. (L) CODE REC. CODE	(2) FEDERAL	(3)	((4)	(5)		(6) AY ORGA	NIZATIO	NAL	ILLUSTI	7) RATIONS
	STOCK	DESCRIPTION USE	<u>.</u>	쀭	님		AINT. ALV (b)		(4)	(a) FIGURE	(b) REF./ITEM
00201	NUMBER	REF. NUMBER MFR. CODE ON		MEASURE	QTY. INCL. IN UNIT	(a)		(c)	(d)	NUMBER	NUMBER
	Hombert	(MFR. PART NO.) COD	E S	E E	₽₹	1-5	6-20	21-50	51-100	Hombert	Hombert
		GROUP 01 ORDERWIRE INTERCOMM TERM UNIT TA-930(V)1/FSC AND TA-930(V)2/FSC GROUP 0101									
PDOHD		PANEL, FUSE SB-3751/FSC FUSE PANEL SB-375/FSC 12734-1 (21870)	E	EA		*	*	*	*	14 FOR BREAKE SECT. XXIV, G	
РАОНН	5895-167-1183	GROUP 010201 LINE CARD CIRCUIT CARD ASSEMBLY LC401-4 (15960)	E	EΑ		*	*	*	*	16	1
РАОНН	5895-167-1270	GROUP 010202 INTERRUPTER ASSEMBLY CIRCUIT CARD ASSEMBLY INT9740 (15960)	E	EΑ		*	*	*	*	17	1
PAOHD		GROUP 0103 COMMON EQUIPMENT SHELF EQUIPMENT SHELF 41010-96 (51504)	E	EA		*	*	*	*	18	1
PAOHD	5895-173-7051	GROUP 010301 DTMF TONE RECEIVER RECEIVER, TONE 40452-01 (51504)	E	ΕA		*	*	*	*	19	1
РАОНН	5895-173-7023	GROUP 010302 DIGIT DECODER DECODER DIGIT 40451-04 (51504)	E	ΕA		*	*	*	*	21	1
		B-96									

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TM 11-5805-647-14 TA-930(V)1/FSC AND TA-930(V)2/FSC

SECTION XXIX ORGANIZATION MAINTENANCE REPAIR PARTS LIST

	SECTION XXI	X ORGANIZATION MAINTENANCE REP	<u>AIR</u>	PA	KIS	<u>LISI</u>					
SOURCE CODE MAINT. (L) CODE REC. CODE	(2)	(3)	(-	4)	(5)			NIZATIO	NAL	ILLUSTI	7) RATIONS
SOD SOUR	FEDERAL STOCK	DESCRIPTION USE	١	쀭	당		AINT. AL\ (b)	1	(4)	(a) FIGURE	(b) REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE ON		ASU	QTY. INCL. IN UNIT	(a)		(c)	(d) 8	NUMBER	NUMBER
		(MFR. PART NO.) COD	<u> </u>	W	βž	1-5	6-20	21-50	51-100		
PAOHD		GROUP 010303 SF DETECTOR AND OSCILLATOR DETECTOR, SINGLE FREQUENCY OSC 41063-02 (51504)	E	≣A		*	*	*	*	22	1
PAOHD	5895-173-7035	GROUP 010304 4W/2W HYBRID MODULE NETWORK, HYBRID CIRCUIT 49008-01 (51504)	E	≣A		*	*	*	*	24	1
PAOHD	5895-174-3549	GROUP 010305 4W/2W HYBRID WITH 2.7 KHZ FILTER NETWORK, HYBRID CIRCUIT 49008-02 (51504)	E	ΞΑ		*	*	*	*	25	1
PAOBD		GROUP 010306 SF DETECTOR DETECTOR, SINGLE FREQUENCY 41063-01 (51504)	E	≣A		*	*	*	*	26	1
PAOBD	5895-186-1263	GROUP 010307 4W/4W BRIDGE BRIDGE 40455-03 (51504)	E	ΞA		*	*	*	*	30	1
PAOHD	5895-173-7033	GROUP 010308 DUAL AMPLIFIER AMPLIFIER, RADIO FREQUENCY 40472-03 (51504)	E	ΞA		*	*	*	*	31	1
PAOHD	5895-195-0582	GROUP 010309 DC/DC POWER SUPPLY POWER SUPPLY 41028-01 (51504)	E	ΞA		*	*	*	*	28 FOR BREAKD SECT.XXIV, GRO	
		R-97									
		D-3/	_				•		•		

TM 11-5805-647-14 TA-930(V)1/FSC AND TA-930(V)2/FSC

SECTION XXXI ORGANIZATION MAINTENANCE REPAIR PARTS LIST

	SECTION XXXI ORGANIZATION MAINTENANCE REPAIR PARTS LIST														
SOURCE SODE MAINT (1) SODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)	(1	
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;							30 E	DAY MA	AINT. AL			1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.		RATIONS
	FEDERAL	DESCRIPTION		w	بر		(6)			(7)		.ĕ⊟⊁	≣ ਲ ਰ	(a)	(b)
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	31000		USE	UNIT OF MEASURE	QTY. INCL. IN UNIT		DS			GS		95PA	Fas	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	ΕŠ	<u></u>	(a)	(b)	(c)	(a)	(b)	(c)	S.F.R.	P N N	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	⊃≥	- 8≥	1-20	21-50	51-100	1-20	21-50	51-100	- <u> </u>			
		GROUP 01 ORDERWIRE INTERCOMM TERM UNIT ORDERWIRE INTERCOMM TERM UNIT TA-930(V)1/FCS AND TA-930(V)2/FS													
		333(1),,, 337,,,2 1,, 333(1),2,, 3													
PDOHD SEE		GROUP 0101 PANEL, FUSE SB-3751/FSC FUSE PANEL SB-3751/FSC 12734-1 (21870)		EA		*	*	*	*	*	*		*	14 FOR BREAKI	
		GROUP 0102												SECT. XXVI, GF	OUP 0101
AOOFD SEE		PC CARD RACK ASSEMBLY CABINET, ELECTRICAL EQUIPMENT LCC9740 (15960)		EA										15 FOR BREAKD	1 OWN
														SECT. XXVI, GRO	DUP 0102
PAOHH SEE	5895-167-1183	GROUP 010201 LINE CARD CIRCUIT CARD ASSEMBLY LC401-4 (15960)		EA		*	*	*	*	*	*		*	16 FOR BREAKD SECT.XXVI, GRO	1 OWN
		GROUP 010202												OLC1.70(VI, OK	010201
PAOHH SEE	5895-167-1270	INTERRUPTER ASSEMBLY CIRCUIT CARD ASSEMBLY INT9740 (15960)		EA		*	*	*	*	*	*		*	17 FOR BREAKD	1 OWN
JUL														SECT. XXVI, GRO	DUP 010202
PDOHD SEE		GROUP 0103 COMMON EQUIPMENT SHELF EQUIPMENT SHELF 41010-96 (51504)		EA		*	*	*	*	*	*		*	18 FOR BREAKD	1 OWN
														SECT. XXVI, GRO	DUP0103
PAOHD	5895-173-7051	GROUP 010301 DTMF TONE RECEIVER RECEIVER , TONE 40452-01 (51504)		EA		*	*	*	*	*	*		*	19 FOR BREAKD	1 OWN

SEE

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TM 11-5805-647-14 TA-930(V)1/FSC AND TA-930(V)2/FSC

SECTION XXXI ORGANIZATION MAINTENANCE REPAIR PARTS LIST

	SECTION XXXI ORGANIZATION MAINTENANCE REPAIR PARTS LIST														
(1) 円	(2)	(3)		(4)	(5)							(8)	(9)		0)
병 근 링							30 E	Day M <i>a</i>	AINT. AL	.W.		<u>⊶</u>	⊨	ILLUSTF	RATIONS
동류돌류의	FEDERAL	DESCRIPTION					(6)			(7)		g.(<u> </u>	(a)	(b)
SOURCE CODE MAINT. (1) CODE REC. CODE	STOCK		USE	UNIT OF MEASURE	QTY, INCL. IN UNIT		DS			GS		1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP.	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	T O	Ē	(a)	(b)	(c)	(a)	(b)	(c)	2.2.E	ο × π	NUMBER	NUMBER
		(MFR. PART NO.)	CODE		TØ N L	1-20		51-100		21-50	51-100	<u> </u>			
		WITH THE T	OODL			1-20	21-30	31-100	1-20	21-30	31-100	0			
		GROUP 010302													
		DIGIT DECODER													
РАОНН	5895-173-7023	DECODER, DIGIT		EA		*	*	*	*	*	*		*	21	l ₁
1,7,0,1,1,1	0000 110 1020	40451-04 (51504)		_, `										FOR BREAKE	lown I
SEE		(
														SECT. XXVI, GRO	DUP 010302
		GROUP 010303													
		SP DETECTOR AND OSCILLATOR													
PAOHD		DETECTOR, SINGLE FREQUENCY OSC		EA		*	*	*	*	*	*		*	22	1
SEE		41063-02 (51504)												FOR BREAKE	OWN
SEE														SECT. XXVI, GRO	N ID MMM
		GROUP 010304												SECT. ANVI, GRO	por vious
		4W/2W HYBRID MODULE													
PAOHD	5895-173-7035	NETWORK, HYBRID CIRCUIT		EA		*	*	*	*	*	*		*	24	l ₁
		49008-01 (51504)												FOR BREAKE	OWN
SEE		,													
														SECT. XXVI, GRO	DUP 010304
		GROUP 010305													
	5005 474 0540	4W/2 HYBRID WITH 2.7 KHZ FILTER					* *		*		*			0.5	
PAOHD	5895-174-3549	NETWORK, HYBRID CIRCUIT		EA		*	* *	*	*	*	*		*	25 FOR BREAKD	1
SEE		49008-02 (51504)												FOR BREAKL	OVVIN
SLL														SECT. XXVI, GRO	DUP010305
		GROUP 010306												OLO1.7VWI, GIV	01000
		SF DETECTOR													
PAOHD		DETECTOR, SINGLE FREQUENCY		EA		*	*	*	*	*	*		*	26	1
		41063-01 (51504)												FOR BREAKE	OWN
SEE															
														SECT. XXVI, GRO	PUP010306

TM 11-5805-647-14 TA-930(V)1/FSC AND TA-930(V)2/FSC

SECTION XXXI

ORGANIZATION MAINTENANCE REPAIR PARTS LIST

	SECTION X		<u> </u>				<u> </u>	/ 11 1	O LIO	<u>' </u>			/- :		-\
SOURCE CODE MAINT. (3) CODE REC. CODE	(2)	(3)		(4)	(5)			DAV ***	A.	10/		(8) (9)			O)
岌ᇤᇀ엉								JAY MA	AINT. AL			1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP.		RATIONS
	FEDERAL	DESCRIPTION		ш	تـ ا		(6)			(7)		×ã≻	[~ .	(a)	(b)
¤¤z≅g <u>¤</u>			USE	UNIT OF MEASURE	QTY, INCL. IN UNIT	L	DS			GS		98 A	_ EBS	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	≧X	<u>-</u> 5	(a)	(b)	(c)	(a)	(b)	(c)	5.27.F	e ×i	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	SW	ŭ IN	1-20	21-50	51-100	1-20	21-50	51-100	1 Y PE CO	DE AL 10		
		•													
		GROUP 010307 4W/4W BRIDGE													
РАОНО	5895-186-1263	BRIDGE		EA	1	*	*	*	*	*	*		*	30	1
		40455-03 (51504k													
AHHHO		CIRCUIT CARO ASSEMBLY		EA	1								*	30	2
D	5005 775 5744	4404-1555 (51534)		_,					*						
PAHZZ	5935-775-5711	CONNECTOR, RECEPTACLE, ELEC		EA	1						"		"	30	3
PAHZZ	5905-243-2518	133-Ct1-43 (02660) RESISTOR, FIXED, FILM		EA	24				*	*	*		*	30	4
FALIZZ	3903-243-2316	RNR65CAO60FS (81349)			24									30	4
PAHZZ	5905-243-2454	RESISTOR, FIXED, FILM		EA	8				*	*	*		*	30	5
		RNR65C127IFS (81349)													
PAHZZ	5905-482-0525	RESISTOR, FIXED FILM		EA	8				*	*	*		*	30	6
		RNR65C3650FS (81349)													
PAHZZ	5940-103-1883	TECH(NAL, LUG		EA	32				*	*	*		*	30	7
		FO20CI (15849)								*					
PAHZZ	5935-081-4578	JACK, TRP SKTIOBLK (98291)		EA	4				Ŷ	•	_		•	30	8
PAHZZ	5935-617-5837	JACK, TIP			EA	4				*	*	*		*	30
FALIZZ	9	JACK, HE			LA	+									30
		SKTIOWHT (98291)													
XAHZZ		BRACKET, ANGLE		EA	1				*	*	*		*		
		144k-2420 (51504)													
PAHZZ	5310-934-9748	NUT, PLAIN, HEXAGON		EA	2				*	*	*		*		
		MS35649-244 (96906)			_						l .				
PAHZZ	5305-77(-2533	SCREW. MACHINE		EA	2				*	*	*		*		
DALIZZ	E240 EEC 2745	MSS959-13 (96906) WASHER, LOCK			_				*	*	*		*		
PAHZZ	5310-55G-3715	WASHER, LOCK HS35333-70 (96906)		EA	2				**				**		
PAHZZ	S310-934-3748	NUT, PLAIN HEXAGON		EA	2				*	*	*		*		
	0010 004 0740	MS35649-244 (96906)			_										
PAHZZ	53a5-177-5545	SCREW MACHINE		EA	2				*	*	*		*		
		HS51957-120 (96906)													
PANZZ	531C-55t-3715	WASHER, LOCK		EA	2				*	*	*		*		
		ST55J33-70 (96906)													
				_	400										1

TM 11-5805-647-14 TA-930(V)1/FSC AND TA-930(V)2/FSC

SECTION XXXI ORGANIZATION MAINTENANCE REPAIR PARTS LIST

	SECTION XXXI														
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)		
岌낟잉							30 I	DAY MA	AINT. AL	.W.		≝	Ė	ILLUSTI	RATIONS
	FEDERAL	DESCRIPTION		ш	ت		(6)			(7)		≥ã≻		(a)	(b)
%2 ≥ 28			USE	UNIT OF MEASURE	QTY. INCL. IN UNIT		DS			GS		1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	l ∐≟	FS	(a)	(b)	(c)	(a)	(b)	(c)	5.7.7 T	e ×ē	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	5월	ნ≧	1-20	21-50	51-100	1-20	21-50	51-100	LES	3 A C		
XAHZZ		PRINTED WIRING BOARD		EA	1										
		1404-1555 (1S5C4)													
XAHZZ		HANDLE		EA	1										
DALIZZ	5005 OC0 0400	1404-2431 (51504)		_ ^	0				*	*			*		
PAHZZ	5305-CS8-2102	SCREW*TAPPING, THREAD FORMING MH24627-17 (96906)		EA	2										
XAHZZ		PANEL, BLANK		EA	1										
70 1122		1404-3553 (51504)			·										
		,													
		GROUP 010308													
		DUAL AMPIFIEI													
DA OLIO	5005 470 7000	AMPLIETED DADIO EDECLIENOV		_,	1										
РАОНО	5895-173-7033	AMPLIFIER, RADIO FREQUENCY 40472-E3 (51504)		EA	1									31	1
AHHD		CIRCUIT CARD ASSEMBLY		EA	1									31	2
/ " " " "		4404-1721 (51504)			·										-
PAHZZ	5910-274-2208	CAPACITOR, FIXÉD, ELECTROLYTIC		EA	2				*	*	*		*	31	3
		841283-100-25-8112 (25088!													
PAHZZ	5905-141-3717	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	31	4
DALIZZ	5004 000 4405	RCRO7G473JS (81349)		_,	0				*	*			*		
PAHZZ	5961-938-1135	SE4ICONOUCTOR DEVICE, DIODE 1N4t48 (81349)		EA	2						"		,	31	S
PAHZZ	5935-119-3534	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	31	6
1 / 11 / 12 / 1	110 0001	RCRQOG273JS (81349)		_,`	_										ľ
PAHZZ	5910-974-5129	CAPACITOR FIXED,, ELECTROLYTIC		EA	10				*	*	*		*	31	7
		KlsC20K (31433)													
PAHZZ	5905-115-3562	RESISTOR, FIXED, COMPOSITION		EA	2	*			*	*	*		*	31	8
DALIZZ	5004 000 0504	RCR07G394JS (81349)		EA	4				*	*			*		
PAHZZ	5961-226-8584	TRANSISTOR 2N2222 (81349)		EA	4									31	9
PAHZZ	5905-106-3666	RESISTOR, FIXED, COMPOSITION		EA	4				*	*	*		*	31	10
		RCR07GtO3JS (R1349)												-	"
PAHZZ	5905-110-7620	RESISTOR FIX-), COMPOSITION		EA	6				*	*	*		*	31	11
		RCRC7GIO2JS (8134d)													
PAHZZ		CAPACITOR FIXEDDCÉRAOIC DI		EA	2				*	*	*		*	31	12
		5C6A470PFI, PCT (26625)													
					-101									1	1

TM 11-5805-647-14 TA-930(V)1/FSC AND TA-930(V)2/FSC

SECTION XXXI ORGANIZATION MAINTENANCE REPAIR PARTS LIST

(4)	SECTION X		1101111				<u> </u>	<u> </u>	O LIO	' -		(0)	(0)	,,	۵۱ ا
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)		20.5	747 M	VINIT AT	\A/		(8)	(9)		0) RATIONS
돌ᆄᆔ잉	EEDEDAI	DESCRIPTION						JAT IVIA	AINT. AL			1 YR. ALW. PER 100 EQUIP. (CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.		
SS\ <u>\</u> 550	FEDERAL	DESCRIPTION	ПСЕ	ן װֻ ∣	QTY. INCL. IN UNIT		(6)	-		(7)		¥e.¥	BR.R ■	(a)	(b)
NOSOR			USE	UNIT OF MEASURE	≥≒		DS			GS	ı	955 P	T PE	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	₽¥	ĭ≦	(a)	(b)	(c)	(a)	(b)	(c)	R.H.S.	EP(LW	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	5≥	σ≧	1-20	21-50	51-100	1-20	21-50	51-100	<u> </u>	A 7		
PAHZZ	5905-131-1255	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	31	13
		RCR077G22JS (81349)			_				*	*	*		*		
PAHZZ	5905-115-3560	RESISTOR, FIXED. COMPOSITION		EA	2				*	*	*		*	31	14
PAHZZ	E00E 426 6692	RCR070G83JS (81349) RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	31	15
PARZZ	5905-126-6683	RCR07G332JS (81349)		EA	2									31	15
PAHZZ	5905-141-1183	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	31	16
I Allee	0000-141-1100	RCR70G10JS (81349)		LA	_									31	10
PAHZZ	5961-913-1747	TRANSISTOR		EA	2				*	*	*		*	31	17
		2N2907 (81349)													
PAHZZ	5905-116-2394	RESISTÒR, FIXED, COMPOSITION		EA	2				*	*	*		*	31	18
		RCR07G5IIJS (81349)													
PAHZZ	5910-893-0201	CAPACITOR FIXED, MICA DI		EA	2				*	*	*		*	31	19
		CODFO151K33 (14655)			_					*	١				
PAHZZ	5950-930-4451	TRANSFORMER, POWER		EA	4				*	*	*		*	31	20
PAHZZ	5910-828-5282	124-5K (70674) CAPACITOR, FIXED, CELECTROLYTIC		EA	2				*	*	*		*	31	21
FAUZZ	3910-020-3202	C437ARGt10 (KO004)		EA										31	41
PAHZZ	5905-119-3503	RESISTOR FIXED COMPOSITION		EA	2				*	*	*		*	31	22
		RCR07G271JS (813493			_										
PAHZZ	5935-775-5711	CONNECTOR, RECEPTACLE, ELEC		EA	1				*	*	*		*	31	23
		133-018-43 (026601													
PAHZZ	5905-243-1806	RESISTOR, VARIABLE		EA	2				*	*	*		*	31	24
		3359W1-102 (80294)													
PAHZZ	5935-081-5578	JACK, TIP		EA	4				*	*	*		*	31	25
DALLZZ	5005 047 0077	SKTIOBLK (98291)		_,										0.4	00
PAHZZ	5935-617-6877	JACK, TIP SKT10WHT (982913		EA	4						"		,	31	26
PAHZZ	5940-163-4883	TERMINAL, LUG		EA	12				*	*	*		*	31	27
FALIZZ	103-4003	2000C1 (15S49)		LA	12									31	21
XBHZZ		BRACKET, ANGLE		EA	1										
7.5		1404-2423 (51504)		_,`	•										
PAHZZ	5310-934-9747	NUT, PLAIN. HEXÁGON		EA	2				*	*	*		*		
		PS35649-244 (969C, 6)													
					402										
				Ь	-102						<u> </u>				

TM 11-5805-647-14 TA-930(V)1/FSC AND TA-930(V)2/FSC

SECTION XXXI

ORGANIZATION MAINTENANCE REPAIR PARTS LIST

(1) w	(2)	(3)		(4)	(5)				<u> </u>	-		(8)	(9)	(1	0)
SOURCE CODE MAINT. (1) CODE REC. CODE							30 E	DAY MA	AINT. AL	.W.		1 YR. ALW. PER 100 EQUIP. CONTGCY	Ξ.	ILLUSTR	RATIONS
	FEDERAL	DESCRIPTION		ш	j.		(6)			(7)		K. Fal	RAIN P.	(a)	(b)
¤¤z≅			USE	유	⊒IC		DS			GS		AL GC	T N PE	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	YR.	DEPOT MAINT. ALW. PER 100 EQUIP.	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	⋽⋝	σ≧	1-20	21-50	51-100	1-20	21-50	51-100	<u>-52</u>	1 A		
PAHZZ	5305-054-5647	SCREW, MACHINE NS51957-13 (96906)		EA	2				*	*	*		*		
PAHZZ	5310-550-3715	WASHER, LOCK N535333-7C (96906)		EA	2				*	*	*		,		
XBHZZ		BUSHING 81473W (98291)		EA	2										
PAHZZ	5310-934-9748	NUT4PLAIN, HEXAGON MS35649-244 (96906)		EA	2				*	*	*		*		
PAHZZ	5305-177-5545	SCREW, MACHINE NS51957-12C (96906)		EA	2				*	*	*		*		
PAHZZ	5310-550-3715	WASHER, LOCK N535333-70 (96936)		EA	2				*	*	*		*		
XBHZZ		PRINTED WIRING BOARD 1404-1721 (51504)		EA	1										
XBHZZ		HANDLE 14 *4-2431 (51504)		EA	1										
PAHZZ	5305-058-2102	SCREW, TAPPING, THREAD FORMING MS'24622-17 (96906)		EA	2				*	*	*		*		
XBHZZ		PAt4EL, PLANK 1404-3723 (51504) GROUP 010309		EA	1										
PAOHD	5895-195-0582	DC/DC P(OE SUPPLY PRW SUPPLY		EA		*	*	*	*	*			*	28	1
SEE		41028-01 (51504)												FOR BREAKD	
010307														SECT. XXVI, GR	

SECTION XXXIII		FEDERAL STOCK NUMBE	R AND REFERENCE NUMBER INDEX		1A-930(V)2/1 3C
0_01101170001111	FIGURE	ITEM		FIGURE	ITEM
FEDERAL STOCK NUMBER	NUMBER	NUMBER	FEDERAL STOCK NUMBER	NUMBER	NUMBER
5859-167-1183	16	1			
5895-167-1270	17	1			
5895-173-7023	21	1			
5895-173-7033	31	1			
5895-173-7035	24	1			
5895-173-7051	19	1			
5895-174-3549	25	1			
5895-186-1263	30	1			
5905-195-0582	28	1			
5905-106-3666	31	10			
5905-110-7620	31	11			
5905-115-3560	31	14			
5905-115-3562	31	8			
5905-116-2394	31	18			
5905-119-3503	31	22			
5905-119-3504	31	6			
5905-126-6683	31	15			
5905-131-1255	31	13			
5905-141-0717	31	4			
5905-141-1183	31	16			
5905-243-1806	31	24			
5905-243-2454	30	5			
5905-243-2518	30	4			
5905-482-0525	30	6			
5910-274-2208	31	3			
5910-828-6282	31	21			
5910-893-0201	31	19			
5910-974-6129	31	7			
5935-081-4578	30	8			
5935-081-4538	31	25			
5935-617-6837	30	9			
5935-617-6837	31	26			
5935-775-5711	30	3			
5935-775-5711	31	23			
5940-103-1883	30	7			
5940-103-4883	31	27			
5950-930-4451	31	20			
5961-226-8584	31	9			
5961-913-1747	31	17			
5961-938-1135	31	5			

	FEDERAL STO	CK NUMBER AND REFER	PENCE NUMBER INDEX
MANUFACTURER	FED MFR	FIGURE	ITEM
PART NUMBER	CODE	NUMBER	NUMBER
PART NOWIDER	CODE	NOMBLK	NOMBLK
B41283-100-25-8112	25088	31	3
CD10FD151K03	14655	31	19
C437ARG100	K0004	31	21
1NT9740	15960	17	- · 1
LCC9740	15960	15	1
LC401-4	15960	16	1
KIOC20K	31433	31	7
RCR07G10LJS	81349	31	16
RCR07G102JS	81349	31	11
RCR07G103JS	81349	31	10
RCR07G122J8	81349	31	13
RCR07G183JS	81349	31	14
RCR07G27LJS	81349	31	22
RCR07G273J8	81349	31	6
RCR07G332JS	81349	31	15
RCR07G394JS	81349	31	8
RCR07G473J8	81349	31	4
RCR07G511J8	81349	31	18
RNR65C1271F8	81349	30	5
RNR65C3650F8	81349	30	6
RIR65C8060F8	81349	30	4
STrilOBLK	98291	30	8
S]T10BLK	98291	31	25
STriOWIT	98291	30	9
S1T10WIT	98291	31	26
11N4148	81349	31	5
124-5K	70674	31	20
12734-1	21870	14	1
133-018-43	02660	30	3
133-018-43	02660	31	23
212222	81349	31	9
212907	81349	31	17
2000C1	15849	30	7
2000C1	15849	31	27
335911-102	80294	31	24
40452-01	51504	19	1
40455-03	51504	30	1
40472-03	51504	31	1
41010-96	51504	18	1
41028-01	51504	28	1
4404-1555	51504	30	2
4404-1721	51504	31	2
506A470FF10PCT	26625	31	

TM 11-5805-647-14 TA-920(V)1/FSC AND TA-920(V)2/FSC

SECTION XXXIV ORGANIZATION MAINTENANCE REPAIR PARTS LIST

	SECTION XXX	(IV ORGANIZATION MAINTENANCE RE	:PAII	<u> </u>	AK IS	LIST					
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)	15 D	(6) AV ORGA	NIZATIO	IΔI		7) RATIONS
OBJE S	FEDERAL	DESCRIPTION					AINT. ALV		VAL.	(a)	(b)
SO _₹ SE			SE	밁	INCI	(a)	(b)	(c)	(d)	FIGURE	REF./ITEM
	NUMBER		ON DE	UNIT OF MEASURE	QTY. INCL. IN UNIT	1-5	6-20	21-50	51-100	NUMBER	NUMBER
		WIII. I AILI NO./	<i>7</i> 0L			,		,,	4,		
		GROUP 01 COCF BRIDGE TEL TA-920(V1)/FSC									
		CONF BRIDGE TEL TA-920(VI)/FSC		ΕA	1	*	*	*	*	32	1
		40110-98 (51504)		EA	'					32	'
		GROUP 0101									
		DUAL AMPLIFIER									
PAOHD	5895-173-7028	AMPLIFIER, RADIO FREQUENCY 40172-03 (51504)		EA	4	*	*	*	*	33	1
		GROUP 0102 4 WAY-4 WIRE BLDGE									
PAOHD	5095-173-7022	BRIDGE		ΕA	2	*	*	*	*	34	1
		40155-03 (51504)									
		GROUP 02									
		COrF BRIDG TEL Th-920(V)2/FSC					*	*	*		
POOHD	5805-306-9323	CONF BRIDGE TEL TA-920(V)2/FSC 40110-99 (51504)		EΑ	1	*	*	*	*	32	1
		GROUP 0201									
		DUAL AMPLIFIER									
PAOHD	5895-173-7028	AMPLIFIER, RADIO FREQUENCY		EΑ	2	*	*	*	*	33	1
		40172-03 (51504) GROUP 0202									
		4 WAY - 4 WIRE BRIDGE									
PAOHD	5895-173-7022	BRIDGE		ΕA	1	*	*	*	*	34	1
TAOTID	0090-110-1022	40155-03 (51504)		_~	'					J 4	'
		B-106									

TM 11-5805-647-14 TA-920(V)1/FSC AND TA-920(V)2/FSC

SECTION XXXVI

ORGANIZATION MAINTENANCE REPAIR PARTS LIST

	SECTION XXXVI ORGANIZATION MAINTENANCE REPAIR PARTS LIST														
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)		0)
[휴 <u>다</u> 임							30 E	DAY MA	AINT. AL	.W.		1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP.	LLUSTF	RATIONS
	FEDERAL	DESCRIPTION		ш	ت ا		(6)			(7)		×≅×		(a)	(b)
%2 ≥ 28			USE	UNIT OF MEASURE	QTY, INCL. IN UNIT		DS			GS		ALV GC	Z E E	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	L¥S	, ≥ ≤	(a)	(b)	(c)	(a)	(b)	(c)	R 1	e ×ie	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	58	ō≥	1-20	21-50	51-100	1-20	21-50	51-100	_ 2 2 3	24 S		
		GROUP 10													
		CFw I BRIDGE TL -920(V)1/FSC													
		CONF BRIDGE TEL TA-92O(V)I/FSC		EA	t									32	1
		4011C-98 (51514)													
PAHZZ	5935-637-5718	CONNECTOR.RECEPTACLE, ELFC		EA	6									32	2
1 / "	0000 007 07 10	143-C18-12 (02660)			Ĭ										-
PAHZZ	594C-229-3644	TERMINAL BOARÓ		EA	1			*						32	3
		52A (71785)													
PAHZZ	5310-934-9748	NUTtPLAIN, HEXAGON		EA	72										
PAHZZ	E20E 477 EE4E	MS35649-244 (96906) SCREW, MACHINE		EA	70										
PARZZ	5305-177-5545	NSSt957-120 (96906)		EA	72										
PAHZZ	5310-595-6211	WASHER, FLAT		EA	72										
1 / "	0010 000 0211	MS15795-803 (96906)													
PAHZZ	5310-550-3715	WASHER.LOCK '		EΑ	72										
		MS35333-70 (96936)													
XBHZZ		nRAWER, ELECTRICAL EQUIPMENT		EA	1										
VDUZZ		1405-2000 (51504)		EA											
XBHZZ		PANEL, BLANK I405-2103 51504)		EA	3										
PAHZZ	5305-054-6650	SCREW, MACHINE		EA	36										
		MS51957-26 (96936)													
MHHZZ		PLATE, IDENTIFICATTON		EΑ	1										
		1434-273' (51594)													
		GROUP Lial													
PAOHD	5895-173-7028	DUL AMFTE AMPLTFrER, kADIO FREQUENCY		EA	4									33	1
PAURD	5695-173-7026	40172-03 (51504)		EA	4									33	'
АНННО		CIRCUIT CARO ASSEMBLY		EA	1									33	2
		44'4-17Z1 (51504)													_
PAHZZ	5910-274-2208	CAPACITÒR, FIXED, ELECTROLYTIC		EA	2									33	3
1		d41283-C0O-25-8112 (250R8!		l											l .
PAHZZ	5935-141-3717	RESISTOR, FIXED, COMPOSITION		EA	2									33	4
		RCT7CG473JS (81349)													
					-107									1	

TM 11-5805-647-14 TA-920(V)1/FSC AND TA-920(V)2/FSC

SECTION XXXI ORGANIZATION MAINTENANCE REPAIR PARTS LIST

	SECTION XXXI														
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)		30 [ΟΔΥ ΜΔ	AINT. AL	w		(8)	(9)		O) RATIONS
	FEDERAL	DESCRIPTION					(6)	J. 1. 191 <i>F</i>	VII. AL	.w. (7)		1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP.	(a)	(b)
	STOCK	Decom non	USE	UNIT OF MEASURE	QTY, INCL. IN UNIT		DS			GS		Z,EK	동없음	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	TO ASU	<u>€</u> <u></u>	(a)	(b)	(c)	(a)	(b)	(c)	455 455	P. S.	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	NE NE	₽₹	1-20		51-100		21-50	51-100	 	19 A B B		
		<u>,</u>						000							
PAHZZ	5961-938-1137	SEMICONDUCTOR DEVICE, DIODE 1N4148 (81349)		EA	2				*	*	*		*	33	5
PAHZZ	5905-119-3504	RESISTOR, FIXED COMPOSITION RCR07G273JS (31349)		EA	2				*	*	*		*	33	6
PAHZZ	5910-974-5129	CAPACITOR. FIXED, ELECTROLYTIC K10C20K (31433)		EA	10				*	*	*		*	33	7
PAHZZ	5905-115-3562	RESISTOR, FIXED, COMPOSITION PCY37G394JS (81349)		EA	2				*	*	*		*	33	8
PAHZZ	5905-110-7620	RESISTOR, FIXED, COMPOSITION RCR07G102JS (81349)		EA	6				*	*	*		*	33	9
PAHZZ	5905-106-3666	RESISTOR, FIXED, COMPOSITION C07G103JJ (81349)		EA	4				*	*	*		*	33	10
PAHZZ	5910-892-9994	CAPACITOR, FIXED CERAMIC DI 631-OOCX5FC-471K (72982)		EA	2				*	*	*		*	33	11
PAHZZ	5905-131-1255	RESISTOR, FIXED, COMPOSITION QCQC7GI22JS (813493		EA	2				*	*	*		*	33	12
PAHZZ	5905-115-3560	RESISTOR, FIXED COMPOSITION RCR07Gl83JS (813493		EA	2				*	*	*		*	33	i3
PAHZZ	5905-126-5683	RESISTOR, FIXED COMPOSITION RCCt7G332JS (81349)		EA	2				*	*	*		*	33	14
PAHZZ	5905-141-1183	RESISTOR, FIXED COMPOSITION RCRZ7G10IJS (81349)		EA	2				.*	*	*		*	33	15
PAHZZ	5905-116-2394	RESISTOR, FIXED, COMPOSITION RCR07151GtJ (81349)		EA	2				*	*	*		*	33	16
PAHZZ	5910-893-0201	CAPACITOR, FIXED, MICA DI CO3JFO151Kt3 (14655)		EA	2				*	*	*		*	33	17
PAHZZ	5950-93'-4s51	TRANSFORMER, POWER 124-5K (76743		EA	4				*	*	*		*	33	t8
PAHZZ	5911-82AR-282	CAPACITOR, FIXED, ELECTROLYTIC C4S7PAR10C (K0004)		EA	2				*	*	*		*	33	19
PAHZZ	5995-119-x5:3	RESISTOR. FIXED, COMPOSITION RC-C7G271JS (81349)		EA	2				*	*	*		*	33	20
PAHZZ	5961-226-q584	TRANSISTOR 2N2222 (81349)		EA	4				*	*	*		*	33	21
				В	-108										

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TM 11-5805-647-14 TA-920(V)1/FSC AND TA-920(V)2/FSC

SECTION XXXI ORGA

ORGANIZATION	MAINTENANCE RI	EPAIR PARTS LIST

(1) ш		(2) (3) (4) (5)										(8)	(9)	l (1	0)
SOURCE CODE MAINT. (1) CODE REC. CODE	`-'	(-,		``	(*)		30 I	DAY MA	AINT. AL	.W.		_ `.'			RATIONS
롯유투표S	FEDERAL	DESCRIPTION			_		(6)			(7)		. <u>.</u> .	<u>5</u> .	(a)	(b)
ROME	STOCK	DECOM! HOW	USE	ᅟᇉᄤ	ᆸ 뒪.		DS			GS		걸쓸것	불없음	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON		<u> </u>	(a)	(b)	(c)	(a)	(b)	(c)	19 A	P S	NUMBER	NUMBER
	NOWIDER	(MFR. PART NO.)	CODE	UNIT OF MEASURE	QTY, INCL. IN UNIT	(a) 1-20		51-100	(a) 1-20	(b) 21-50	51-100	1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	NOWIDER	NOWBER
		(WIR. FART NO.)	CODL			1-20	21-30	31-100	1-20	21-30	31-100	<u> </u>			
PAHZZ	5961-913-1747	TRANSISTOR		EA	2				*	*	*		*	33	22
I ALIZZ	3901-913-1747	2N2907 (813491] 33	22
PAHZZ	5935-775-5711	CONNECTOR, RECEPTACLE. ELEC		EA	1				*	*	*		*	33	23
		133-018-43 (026603													
PAHZZ	5905-243-1806	RESISTOR, VARIABLE		EA	2				*.	*	*		*	33	24
DA1177	5005 004 4570	3359W1-1t2 (802941		_,					*	*				00	05
PAHZZ	5935-081-4578	JACK, TIP SKTIOBLK (982911		EA	4						"			33	25
PAHZZ	5935-617-6837	JACK, TIP		EA	4				*	*	*		*	33	26
		SKTIGNHT (98291)			·										'
PAHZZ	5940-103-1883	TERMINAL, LUG		EA	12				*	*	*		*	33	27
		2000Ci (15849)		l											
XBHZZ		BRACKET, ANGLE		EA	1										
PAHZZ	5310-934-3748	1404-2420 (51504) NUT, PLAIN, HEXAGON		EA	2				*	*	*		*		
PARZZ	3310-934-3746	MS35649-244 (96906)		LA											
PAHZZ	5305-054-5647	SCREW, MACHINE		EA	2				*	*	*		*		
		HS51957-13 (96906)													
PAHZZ	5310-55G-3715	WASHER, LOCK		EA	2				*	*	*		*		
		MS35333-70 (96906)													
XBHZZ		BUSHING 81473W (982913		EA	2										
PAHZZ	5310-934-9748	NUT, PLAIN, HEXAGON		EA	2				*	*	*		*		
171122	0010 004 0740	MS35649-244 (96906)			_										
PAHZZ	5305-177-5545	SCREW MACHINE		EA	2				*	*	*		*		
		MS51957-12 (969C63													
PAHZZ	5310-55C-3715	WASHER, LOCK		EA	2				*	*	*		*		
VDUZZ		MS35333-70 (96906)		l _,	1										
XBHZZ		PRINTER WIRING BOARO 1434-1721 (515043		EA	1										
XBHZZ		HANDLE		l _{EA}	1										
, , , , , , , , , , , , , , , , , , , ,		14½5-2171 (51504)		-/:	'										
PAHZZ	5305-05R-21D2	SCREW, TAPPING, THREAD FORMING		EA	2				*	*	*		*		
		MS74622-17 (969C6)													
				В	-109										
											-				

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TM 11-5805-647-14 TA-920(V)1/FSC AND TA-920(V)2/FSC

SECTION XXXI

ORGANIZATION MAINTENANCE REPAIR PARTS LIST

(4)	SECTION X			<u> </u>	/ 11 1	<u> </u>			(c)	(=)		۵)			
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)		20.5	74V 14	\	14/		(8)	(9)		O)
│岌ᇜᆂᇜ엉	FEDERAL	DECODIDATION						DAY IVIA	AINT. AL			1 YR. ALW. PER 100 EQUIP. (CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.		RATIONS
56≨65	FEDERAL	DESCRIPTION		щ	Ţ.		(6)			(7)		×ü≻	¥∺≅	(a)	(b)
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			JSE	UNIT OF MEASURE	QTY. INCL. IN UNIT		DS			GS	ı	955 A	E E E	FIGURE	REF./ITEM
	NUMBER		ON	₽₩	ĭį́	(a)	(b)	(c)	(a)	(b)	(c)	유유	LW 10 E	NUMBER	NUMBER
		(MFR. PART NO.)	ODE	ΞZ	σ≧	1-20	21-50	51-100	1-20	21-50	51-100	<u>-52</u>	4 Y		
XBHZZ		PANEL, BLANK		EA	1										
		14q1-3723 (51504)			_										
XBHZZ		BRACKET, ANGLE		EA	2										
PAHZZ	5305-054-5651	1405-2040 (51504) SCREW, MACHINE		EA	8				*	*	*		*		
1 71122	3303-034-3031	HMS5957-27 (96906)			O										
PAHZZ	5310-616-3555	WASHER, LOCK		EA	44				*	*	*		*		
		M535333-71 (96906)													
		, , ,													
		GROUP 0102													
		4 WAY - 4 WIRE BRIDGE													
DAOUD	E00E 470 7000	PDIDGE		_,	0		*		*	*			*	24	
PAOHD	5895-173-7022	BRIDGE 40155-C3 (51504)		EA	2									34	1
АННО		CIRCUIT CARO ASSEMBLY		EA	1									34	2
/ " " " " "		4401-1555 (515C4)												0-1	-
PAHZZ	5935-775-5711	CONNECTOR, RECEPTACLE, ELFC		EA	I 1				*	*	*		*	34	3
		133-18-43 (02660)													
PAHZZ	5905-243-7518	RESISTOR, FIXED. FILM		EA	24				*	*	*		*	34	4
		RNR65C806CFS (81349)							*	*	*				l _
PAHZZ	5905-243-2454	RESISTOR, FIXED. FILM RNR65Cl271FS (81349)		EA	8				*	*	*		*	34	5
PAHZZ	5905-482-3525	RESISTOR, FIXED, FILM		EA	8				*	*	*		*	34	6
I ALIZZ	0900-402-0020	RNR65C3650FS (81349)			O									34	0
PAHZZ	5940-103-1883	TERMINAL, LUG		EA	32				*	*	*		*	34	7
		207OCI (15844)													
PAHZZ	5935-081-4578	JACK, TAP		EA	4				*	*	*		*	34	8
		SKTICBLK (98291)													
PAHZZ	5935-617-5837	JACK.TIP		EA	4				*	*	*		*	34	9
XBHZZ		SKTI:WHT (98791)		EA	4										
ABHZZ		BRACKET, ANGLE 144-242eC (51504)		EA	1										
PAHZZ	5310-934-9741	NUT, PLAIN, HEXAGON		EA	2				*	*	*		*		
' ' ' ' _	3310 337-37-1	4S35649-244 (96906)			_										
PAHZZ	5305-770-2583	SCREW.MACHINE		EA	2				*	*	*		*		
		MHSs159-13 (96906)													
						1					1				1

TM 11-5805-647-14 TA-920(V)1/FSC AND TA-920(V)2/FSC

SECTION XXXI

ORGANIZATION MAINTENANCE REPAIR PARTS LIST

SECTION XXXI URGANIZATION WAINTENANCE REPAIR PARTS LIST													-,		
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)		20.5	D A V 1 4 4	.	10/		(8)	(9)	(1	
│뿵ᇜ≟ᇜ욍	FEDER	DECCRIPTION .						DAY IVIA	AINT. AL			1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP.	ILLUSTF	
	FEDERAL	DESCRIPTION		щ	ی ا		(6)			(7)		×ä≻	[~ [(a)	(b)
ŭ⊙ ≥ 0₽			USE	UNIT OF MEASURE	QTY, INCL. IN UNIT	<u> </u>	DS			GS		G8A	L H B	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	l ⊑s	ĕŠ	(a)	(b)	(c)	(a)	(b)	(c)	5.5.E	5.≥	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	58	_ <u></u>	1-20	21-50	51-100	1-20	21-50	51-100	<u> </u>	AI AI		
PAHZZ	5310-550-3715	WASHER, LOCK		EA	2				*	*	*		*		
		HS35333-70 (96906)													
PAHZZ	5310-934-3748	NUT, PLAIN, HEXAGON		EA	2				*	*	*		*		
DA1177	5005 477 5545	MS535649-244 (96906)		_,					*	*					
PAHZZ	5305-177-5545	SCREH, MACHINE		EA	2				•	•	•		•		
PAHZZ	5310-55C-3715	NS51957-12Z (96906) WASHER, LOCK		EA	2				*	*	*		*		
1.41177	0010-000-0110	MS35333-70 (96906!		[[
XBHZZ		HANDLE		EA	1										
7.2		1405-2171 (51504)		-/ \	·										
PAHZZ	5355-058-2102	SCREW, TÀPPINĠ, THREAD FORMING		EA	2				*	*	*		*		
		MS24622-17 (96906!													
XBHZZ		PANEL, BLANK		EA	1										
		1431-3553 (515041													
		GROUP 02													
		CONF BRIDGE TEL TA-920(V)2/FSC													
		CON BRIDGE TEL TA-920(V)2/F3C													
РООНО	5805-306-9323	CONF BRIDGE TEL TA-920(V12/FSC		EA	1	*	*	*	*	*	*		*	32	1
		40110-99 (51534)													-
PAHZZ	5935-837-5718	CONNECTOR, RECEPTACLE. ELEC		EA	6				*	*	*		*	32	2
		143-CiR-12 (02660)													
PAHZZ	5940-229-3644	TERMINAL BOARD		EA	1				*	*	*		*	32	3
V01177		52A (71785)		_,											
XBHZZ		BRACKET, ANGLE		EA	2										
PAHZZ	5305-C54-)651	1405-2'4. (51504) SCREW, MACHINE		EA	8				*	*	*		*		
1 71122	0000-004-)001	MS51957-27 (q69.6)			0										
PAHZZ	5310-616-3555	WASHER, LOCK		EA	44				*	*	*		*		
		MS35333-71 (969063		\											
PAHZZ	5310-934-3748	NUT, PLAIN, ĤEXAGON		EA	72				*	*	*		*		
		MS35649-244 (96Y06)													
PAHZZ	5335-177-5545	SCREW, MACHINE		EA	72				*	*	*		*		
DA1177	5040 50, 0044	SS51957-12C (969C6)			70				*		*				
PAHZZ	5310-59;-6211	WASHER, FLAT		EA	72				*	*	*		*		
		M51579;5-83 (96936)													

SECTION XXXI

ORGANIZATION MAINTENANCE REPAIR PARTS LIST

(1) 111	(2)	(3)		(4)	(5)			,	<u> </u>	•		(8)	(9)	(1	0)
│ш '' ह	(2)	(3)		(4)	(3)		30 L	14 V M	AINT. AL	w		(6)	(3)	ILLUSTR	
8¤₽¤s	FEDERAL	DESCRIPTION)/\	1114 I . AL			5	INT		
SOURCE CODE MAINT (1) CODE REC. CODE	STOCK	DESCRIPTION	USE	뿐	CL.		(6) DS			(7) GS		×∺×	MR	(a) FIGURE	(b) REF./ITEM
100201	NUMBER	REF. NUMBER MFR. CODE	ON	S	ŽĖ							455 A	OT 'PI	NUMBER	NUMBER
	INUIVIDER			UNIT OF MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(a)	(b)	(c)	1 YR. ALW. PER 100 EQUIP. (CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	INUIVIDER	INUIVIDER
		(MFR. PART NO.)	CODE		0=	1-20	21-50	51-100	1-20	21-50	51-100	-FO	1		
PAHZZ	53t0-550-3715	WASHER, LOCK MS35333-70 (96906)		EA	72				*	*	*		*		
XBHZZ		DRAWER ELECTRICAL EQUIPMENT 1435-21100 (51504)		EA	1										
XBHZZ		PANEL BLANK		EA	3										
/ Dile		1405-2100 (51504)		Ε, τ	Ü										
PAHZZ	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)		EA	36				*	*	*		*		
MHHZZ		PLATE IDENTIFICATION 1404-2730 (51504)		EA	1										
PAOHD SEE	5895-173-7028	GROUP 0201 DUAL AMPLIFIER AMPLIFIER RADIO FREQUENCY 40172-03 (51504)		EA	2	*	*	*	*	*	*		*	33 FOR BREAKD	1 OWN
	5895-173-7022	GROUP 02C2 4 WAY - 4 WIRE BRIDGE BRIDGE		EA	1	*	*	*	*	*	*		*	SECT: XXVN, 3R	1
SEE		40155-03 (51504)												FOR BREAKD	OWN
JOLL														SECT.MXXXV,Z	ROUP 0102

ITEM

NUMBER

FIGURE

NUMBER

	SECTION :	XXXVIII FEDERAL STOCK	NUMBER AND REFERENCE NUMBER INDEX
FEDERAL STOCK NUMBER	NUMBER	NUMBER	FEDERAL STOCK NUMBER
5805-3b6-9323	32	1	
5895-173-7022	34	1	
5595-173-7022	34	1	
5895-173-7028	33	1	
5895-173-7028	33	1	
5935-136-3666	33	1t	
5905-11S-7620	33	9	
5935-115-3560	33	13	
5905-115-3562	33	8	
5905-116-2394	33	16	
5905-119-3503	33	20	
5935-119-3504	33	6	
5905-126-5683	33	14	
5905-131-1255	33	12	
5905-141-C717	33	4	
5905-141-1183	33	15	
5905-243-1866	33	24	
5905-243-2454	34	5	
5905-243-2518	34	4	
5935-462-3525	34	6	
5910-274-2208	33	3	
5910-828-6282	33	19	
5910-892-9994	33	11	
5910-893-0201	33	17	
5910-974-5129	33	7	
5935-081-4578	33	25	
5935-081-4578	34	8	
5935-617-6837	33	26	
5935-617-6837	34	9	
5935-775-5711	33	23	
5935-775-5711	34	3	
5935-837-5718	32	2	
5935-837-5718	32	2	
5940-103-1883	33	27	
5940-103-1883	34	7	
5940-229-9644	32	3	
5940-229-9644	35	3	
5950-93C-4451	33	18	
5961-226-8584	33	21	
5961-913-1747	33	22	
5961-938-1137	33	5	

SECTION XXXVIII FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX **MANUFACTURER FED MFR FIGURE ITEM PART NUMBER** CODE NUMBER NUMBER B41283-100-25-8112 CD00F1S1K03 C437ARGI00 K0004 KtlC2OK RCR07TG01JS RCPC77GI2JS RCR07GI03JS RCR07Gt2ZJS RCRO7Gt83JS RCR07G27IJS RCROtG273JS RCR07G332JS t4 RCRO7G394JS RCR07G473JS RCR07GSIIJS RNR65CI27tFS RNR65C365FS RNR65C8GCOFS SKT10BLK SKT10BLK **SKTIOWHT** SKTIOdHT iN4148 124-5K 133-018-43 133-018-43 143-018-12 C2660 143-018-12 2N2222 2N2907 20COCt ZOOCI 3359W1-102 40110-98 515J4 40ii0-99 40155-03 40155-03 40172-C3 40172-03 44tC-1555 44C4-t721 52A

52A

831-013X5FO-47tK

SECTION XXXIX

ORGANIZATIONAL MAINTENANCE REPAIR PARTS LIST

(1) CE	(2)	(3)		((4)	(5)	15 D.	(6) AY ORGA	NIZATIO	NAL		7) RATIONS
SOURCE CODE MAINT. (1) CODE REC. CODE	FEDERAL STOCK NUMBER	DESCRIPTION REF. NUMBER MFR. CODE		SE L	MEASURE	QTY. INCL. IN UNIT	(a)	(b)	(c)	(d) 8	(a) FIGURE NUMBER	(b) REF./ITEM NUMBER
	Nomber 1	(MFR. PART NO.)		DDE	Ä	₽₹	1-5	6-20	21-50	51-100	- Homber	NOMBER
		GROUP 01 LOCAL ORDERWIRE ORDERWIRE,LOCAL 41010-97 (51504)									35	1
		GROUP CO11 POWER SUPPLY										
PAOHD	5895-186-1262	POWER SUPPLY 41029-01 (51504)		E	EA	1	*	*	*	*	37	1
PAOZZ	5920-131-9816	FUSE,CARTRIOGE MDL1 (71400)		E	EA		1	*	*	*	37	12
		GROUP 0102 SPEAKER AMPLIFIER										
PAOHD	5895-195-0444	AMPLIFIER,AUDIO FREQUENCY 41030-01 (51504)		E	EA	1	*	*	*	*	39	1
PAOHD		GROUP 0103 SF BETECTOR AND OSCILIATOR DETECTOR,SINGLE FREQUENCY OSC 41063-C2 (51504)		E	EA	1	*	*	*	*	22	1
			B-115									

TM 11-5805-647-14

SECTION XLI REPAIR PARTS FOR DIRECT SUPPORT. GENERAL SUPPORT AND DEPOT MAINTENANCE

<u> </u>	ECTION XLI	REPAIR PARTS FOR DIRECT	SUPPOR			UPP	<u>JRTA</u>	<u>ט טא</u>	EPUI	WAIN	IIENA				
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)	(8) (9) 30 DAY MAINT. ALW.								0)	
병 년 중							30 E	Day M <i>a</i>	AINT. AL	.W.		₫.	⊨	ILLUSTF	RATIONS
	FEDERAL	DESCRIPTION					(6)			(7)		⊘.	<u>₹</u>	(a)	(b)
88¥8§	STOCK		USE	UNIT OF MEASURE	QTY, INCL. IN UNIT		DS			ĞŚ		1 YR. ALW. PER 100 EQUIP. (CONTGCY	DEPOT MAINT. ALW PER 100 EQUIP.	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON		<u></u> 등등	(a)	(b)	(c)	(a)	(b)	(a)	49E	P 7 2	NUMBER	NUMBER
	NOWDER	(MFR. PART NO.)	CODE	ΞÜ	Ε̈́Ω	` '		` '			(c)	床없은	いい。	NOWIDER	INDIVIDER
		(WFR. PART NO.)	CODE	<u> </u>	0=	1-20	21-50	51-100	1-20	21-50	51-100	<u> </u>	1		
		GROUP 01													
		LOCAL ORDERWIRE													
		ORDERWIRE,LOCAL												35	1
		41115-97 (515043													
XBFZZ		DRAWER,ELECTRICAL EQUIPMENT		EA	1										
		1410-2030 (51504)													
XBFZZ		PANEL,RLANK		E4	1										
		1413-2230 (51504)													
XBFZZ		PANEL,ELANK		EA	1										
		1410-2240 (51504)													
PAFZZ	5935-837-5718	CONNECTOR, RECEPTACLE, ELEC		EA	6	*	*	*	*	*	*		*	36	1
		143-081-12 (02660)													
PAFZZ	5940-518-8129	TERMINAL BOARD		EA	1	*	*	*	*	*	*		*	36	2
		54C (71785)													
PAFZZ	5961-985-9074	TRANSISTOR		EA	1	*	*	*	*	*	*		*	36	3
		2N3055 (81349)													
PAFZZ	5940-882-3272	TERMINAL,LUG		EA	1	*	*	*	*	*	*		*	36	4
		1414-6 (83330)			_	*	*	*	*	*	*		*		
PAFZZ	5975-989-9347	BUSHING, STRAIN RELIFF		EA	1	*	*	*	*	*	*		*	36	5
		1523 (72653)					*			*	*				
PAFZZ	6150-071-1180	CABLE ASSEMBLY,POWER		EA	1	*	*	*	*	*	*		*	36	6
		17419 (70903)													
XBHZZ		BRACKET,ANGLE		EA	2										
VDE33		1410-2050 (51504)													
XBFZZ		CLAMP,LOOP		EA	1										
	E20E 0E4 E0E4	AP3 (06229)		_ ^	7	*	*	*	*	*	*		*		
PAFZZ	5305-054-5651	SCREW,MACHINE		EA	/	"	"			-			-		
DA1177	5040 040 0555	MS51957-27 (96956)		- A	40										
PAHZZ	5310-616-3555	WASHER,LOCK		EA	16										
VDEZZ		MS35333-71 (96936)		EA	40										
XBFZZ		CLIP,RETAINING		EA	10										
		1405-223: (51504)													
PAFZZ	5310-934-3748	NUT,PLAIN,HEXAGON		EA	100	*	*	*	*	*	*		*		
PAFZZ	0310-934-3746			EA	100										
		MS35649-244 (96906)													
	l			ь	-116										

	ECTION ALI	REPAIR PARTS FOR DIRECT SUPPO			011	<u> </u>	1100	<u> </u>	WIAII	11 -11/		(0)	/4	^
(*) 삠	(2)	(3)	(4)	(5)		20.5	DAV 54	T	14/		(8)	(9)	(1	
[월날잉		DECODINE ION					JAY IVIA	AINT. AL			🖺	Ė.	ILLUSTR	
	FEDERAL	DESCRIPTION	Щ	ب		(6)			(7)		פ×	를 A G	(a)	(b)
SOURCE CODE MAINT. (3) CODE REC. CODE	STOCK	USE	UNIT OF MEASURE	QTY, INCL. IN UNIT		DS			GS		YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE ON	l ⊑s	≍5	(a)	(b)	(c)	(a)	(b)	(c)	7.7.F	N. E.	NUMBER	NUMBER
		(MFR_PART NO.) CODE	58	<u> 52</u>	1-20	21-50	51-100	1-20	21-50	51-100	<u>≻⊞8</u>	AL 10(
		,												
PAHZZ	5305-054-5650	SCREW,MACHINE	l _{EA}	67				*	*	*		*		
1	0000 001 0000	MS51957-26 (96906)	-/\	"										
PAFZZ	5305-054-5650	WASHER,LOCK	l EA	172	*	*	*	*	*	*		*		
		MS35333-70 (96906)												
PAFZZ	5305-054-5649	SCREW,MACHINE	EA	72	8	*	*	*	*	*		*		
		MS51957-15 (96906)												
XBFZZ		INSULATOR, BUSHING	EA	2										
		KA13A495334-7 (86684)												
XBFZZ		INSULATOR, DISK	EA	1										
		KA22A495320-1 (86684)												
XBFZZ		PANEL,BLANK	EA	1										
		1410-2210 (51504)												
XBFZZ		NUT,SHEET SPRING	EA	4										
		C8103-832-4 (785531				*			*	l .				
PAFZZ	5305-054-6668	SCREW,MACHINE	EA	4	*	*	*	*	*	*		*		
VDE77		MS51957-43 (96906)												
XBFZZ		PLATE,ELECTRICAL SHIELD	EA	2										
NALILIZZ		1410-2250 (51504)	l _{EA}	1										
MHHZZ		PLATE, IDENTIFT CATION	EA	1										
XBFZZ		1404-2730 (51504) TERMINAL BOARD	l _{EA}	2										
ADIZZ		0611-0205 (51504)	-											
PAHZZ	5310-934-9761	NUT.PLAIN HEXAGON	l _{EA}	8				*	*	*		*		
	0010-004-0101	MS35649-264 (96906)												
PAFZZ	5305-054-5652	SCEW,MACHINE	l _{EA}	10	*	*	*	*	*	*		*		
' ' " ==	0000 00 1 0002	MS51957-28 (96906)	-/:	'										
PAFZZ	5310-081-8087	NUT,SELFLOCKING,HEXAGON	EA	2	*	*	*	*	*	*		*		
		F22NM62 (72962)		- 										
		GROUP 0101												
		POWER SUPPLY												
				1										
PAOHD	5895-186-1262	POWER SUPPLY	EA	1	*	*	*	*	*	*		*	37	1
		41029-C1 (51504)												
PAHZZ	5835-081-4578	JACK,TTP	EA		1	*	*	*	*	*		*	37	2
		SKT10BLK (98291)												

	ECTION XLI	REPAIR PARTS FOR DIRECTS	30PPOR			UPP	<u> </u>	<u>ט טא</u>	EPUI	WAIN	II EN <i>F</i>	(8)			
(1) 円	(2)	(3)		(4)	(5)		30 DAY MAINT. ALW.						(9)		0)
병 년 중							30 E	Day M <i>a</i>	AINT. AL	.W.		l <u>≅</u>	Ŀ	ILLUSTF	RATIONS
128589	FEDERAL	DESCRIPTION					(6)			(7)			₹~4	(a)	(b)
SOURCE CODE MAINT. (1) CODE REC. CODE	STOCK		USE	노뿔	ᅙ		DS			GS		1 5 8 6 1 5 8 6		FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	T C	 ₹	(a)	(b)	(c)	(a)	(b)	(c)	225	8.7.	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	UNIT OF MEASURE	QTY. INCL. IN UNIT	1-20	21-50			21-50	51-100	1 YR. ALW. PER 100 EQUIP. S CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.		
		(IIII III III III III III III III III I	OODL			120	21 00	01 100	1 20	21 00	01 100				
PAHZZ	5935-617-5837	JACK,TIP		EA	1				*	*	*		*	37	3
FALIZZ	3933-017-3037	SKT10WHT (98291)		LA	'									31	3
PAHZZ	5961-901-8108	CL4MP,CAPACITOR		EA	1				*	*	*		*	37	4
		CMC32 (56289)			·									0.	
PAHZZ	5910-125-0928	CAPACITOR, FIXED, ELECTROLYTIC		EA	1				*	*	*		*	37	5
		360842G040892A (56289)													
PAHZZ		RECTIFIER, SEMICONOUCTOR DEVICE		EA	1				*	*	*		*	37	6
		4410-1990 (51504)													
PAHZZ	5950-238-5915	TRANSFORMER,POWER		EA	1				*	*	*		*	37	7
		T61129 (96256)			_				*	*			*		
PAHZZ	6250-484-1124	LAMPHOLDER		EA	1				•	^	•		Î	37	8
PAHZZ		300-C58 (72765) LIGHT,INDICATOR		EA	1				*	*	*		*	37	9
FAUZZ		11-507 (72765)		EA	'									31	9
PAHZZ	5930-007-3967	SWITCH,TOGGLE		EA	1				*	*	*		*	37	10
1 / 11 / 12 / 1	0000 007 0007	7101P (09353)												01	
PAHZZ	5920-450-8063	FUSEHOLDER		EA	1				*	*	*		*	37	11
		34.212 (75915)													
PAOZZ	5920-131-9816	FUSE,CARTRIDGE		E4	1	*	*	*	*	*	*		*	37	12
		MOL1 (71400)													
XBHZZ		BRACKET,ANGLE		EA	1										
		1410-2350 (51534)			_					*					
PAHZZ	5305-054-5650	SCREW,MACHINE		EA	5				*	*	*		*		
XBHZZ		MS51957-26 (96936) CHASSIS,ELECTRICAL EQUIPMENT		EA	1										
ADUZZ		1410-2320 (51504)		EA	'										
XBHZZ		CLIP.ELECTPICAL		EA	1										
ABITIZZ		116A (72765)													
XBHZZ		PANEL,BLANK		EA	1										
		1410-3290 (51504)													
PAHZZ		SCREW,ASSEMBLED WASHER		E4	2				*	*	*		*		
		0604-0501 (51504)													
AHHHD		CIRCUIT CASD ASSEMBLY		EA	1									38	1
		4410-1202 (51504)													
															I I

<u> </u>	ECTION ALI	TION XLI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE													
SOURCE CODE MAINT. (3) CODE REC. CODE	(2)	(3)		(4)	(5)	00 D 0 V 0 0 0 1 0 1 0 1 0 1						(8)	(9)		0)
8						30 DAY MAINT. ALW.							≟	ILLUSTF	RATIONS
	FEDERAL	DESCRIPTION					(6)			(7)		ୂଟ୍ଟ	₹~	(a)	(b)
88₹8₩	STOCK		USE	UNIT OF MEASURE	QTY. INCL. IN UNIT		DS			GS		1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	T C ASI	5\\	(a)	(b)	(c)	(a)	(b)	(c)	7.2. 7.2. 7.0.	0 N	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	N N	Įδ≧	1-20	` '	` '	1-20	21-50	51-100	<u>도</u> 퓨인	AL 100		
		(000			000				
PAHZZ	5910-902-1186	CAPACITOR,FIXED,ELECTROLYTIC 390118G050HP4 (56289)		EA	1				*	*	*		*	38	2
PAHZZ	5905-066-3731	RESISTOR,FIXED,WIRE HOUND		EA	1				*	*	*		*	38	3
PAHZZ	5935-775-5711	RW69VIRO (85349) CONNECTOR,RECEPTACLE,ELEC		EA	1				*	*	*		*	38	4
PAHZZ	5940-103-1883	133-018-43 (02660) TERMINAL,LUG		EA	17				*	*	*		*	38	5
PAHZZ	5910-068-3887	200OC1 (15849) CAPACITOR,FIXED,MICA DI		EA	1				*	*	*		*	38	6
PAHZZ	5961-913-1747	CD10FD10K03 (14655) TRANSISTOR		EA	3				*	*	*		*	38	7
PAHZZ	5961-975-1795	2N2907 (81349) SEMICONDUCTOR DEVICE,DIODE		EA	1				*	*	*		*	38	8
PAHZZ		1N5240 (04713) RESISTOR,FIXED,COMPOSITION		EA	2				*	*	*		*	38	9
PAHZZ	5905-111-4727	RCRO7G122JS (81349) RESISTOR,FIXED,COMPOSITION		EA	2				*	*	*		*	38	10
PAHZZ	5910-974-5129	RCR07G272JS (81349) CAPACITOR,FIXED,ELECTROLYTIC		EA	1				*	*	*		*	38	11
PAHZZ	5905-243-1686	K10C20K (31433) RESISTOR,VARIABLE		EA	1				*	*	*		*	38	12
PAHZZ	5905-114-0711	3359W1-102 (60294) RESISTOR,FIXED,COMPOSITION		EA	2				*	*	*		*	38	13
PAHZZ	5905-110-0196	RCRO7G472JS (81349) RESISTOR,FIXED,COMPOSITION		EA	1				*	*	*		*	38	14
PAHZZ	5905-106-3666	RCR2OG102JS (81349) RESISTOR,FIXED,COMPOSITION		EA	1				*	*	*		*	38	15
PAHZZ	5935-105-7764	RCR07G103JS (81349) RESISTOR,FTXED.COMPOSITION		EA	1				*	*	*		*	38	16
	5961-979-0108	RCR07G222JS (81349) TRANSISTOR		EA	1				*	*	*		*	38	17
PAHZZ		2N4037 (80131) HEAT SINK		EA	1				*	*	*			38	18
ALLE		NF207 (058C)			'										

	ECTION XLI	REPAIR PARTS FOR DIRECT S	SUPPUR			UPP	JK I A	ט טאו	EPUI	WAIN		(8)			
(1)	(2)	(3)		(4)	(5)		20 DAY MAINT ALW						(9)		0)
;;;;;;;; : : : : : : : : : : : : : : :							30 DAY MAINT. ALW.						⊑	ILLUSTF	RATIONS
<u>\$</u>	FEDERAL	DESCRIPTION					(6)			(7)		g	₹~4	(a)	(b)
SOURCE CODE MAINT. (1) CODE REC. CODE	STOCK		USE	UNIT OF MEASURE	QTY. INCL. IN UNIT		DS			GS		1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	T C	₽	(a)	(b)	(c)	(a)	(b)	(c)	7.2.FZ	8~3	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	틸	ΓΘΙ	1-20		51-100	1-20	21-50	51-100	돌변형			
		(WITK. FYIKT NO.)	OODL			1-20	21-30	31-100	1-20	21-30	31-100				
	5040 004 4740	NUT DI AIN LIEVA CON		EA	0	*	*		*	*	*		*		
PAFZZ	5310-934-4748	NUT,PLAIN,HEXAGON MS35649-244 (96906)		EA	2								-		
PAHZZ	5305-177-5545	SCREW,MACHINE		EA	2				*	*	*		*		
FALIZZ	3303-177-3343	MS51957-120 (96906)		LA	2										
PAFZZ	5305-054-5650	WASHER,LOCK		EA	2	*	*	*	*	*	*		*		
1 / 11 22	0000 004 0000	MS35333-70 (96906)			_										
XBHZZ		PRINTED WIRING BOARO		EA	1										
/		1410-1202 (51504)			·										
		GROUP 0102													
		SPEAKER AMPLIFIER													
PAOHD	5895-195-0444	AMPLIFIER,AUDIO FREQUENCY		EA	1	*	*	*	*	*	*		*	39	1
		41030-01 (51504)													
PAHZZ	5935-194-3079	JACK,TELFPHONE		EA	2				*	*	*		*	39	2
		JJ042 (81349)			_				*	*					_
PAHZZ	5945-238-5168	LOUDSPEAKER, PERMANENT MAGNET		EA	1				*	*	*		*	39	3
PAHZZ	E064 004 0400	28A8C (07109) CLAMP.CAPACITOR		EA	1				*	*	*		*	20	4
PARZZ	5961-901-8108	CMC32 (56289)		EA	'									39	4
PAHZZ	5910-125-0928	CAPACITOR, FIXED. ELECTROLYTIC		EA	1				*	*	*		*	39	5
174122	0010 120 0020	36D842G0-40BB2A (56289)													ľ
PAHZZ	6250-484-1124	LAMPHOLOER		EA	1				*	*	*		*	39	6
		300-058 (72765)													
PAHZZ		LIGHT,INDICATOR		EA	1				*	*	*		*	39	7
		11-507 (72765)													
PAHZZ	5305-958-8326	SCREW.EXTERNALLY RELIEVED BODY		EA	2				*	*	*		*	39	8
		51-18-406-24 (24248)			_					*	*				
PAHZZ	5355-253—581	KNOB		EA	1				*	*	*		*	39	9
DALIZZ	5000 000 5500	KN50CBA (95146)		_ ^	4				*	*	*			20	40
PAHZZ	5930-236-5529	SWITCH,HOOK AT810610W (11136)		EA	1									39	10
XBHZZ		BLOCK.MOUNTING		EA	1										
ADITZZ		1404-2270 (51504)		LA	'										
PAHZZ	5310-934-9761	NUT,PLAIN,HEXAGON		EA	6				*	*	*		*		
		MS35649-264 (96406)			J										
		(,													
						l		l							

<u> </u>	ECTION XLI		1 01			(5) (8) (9)								٥١ -	
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)		30 DAY MAINT. ALW.						(9)		O)
ຊູ⊨ຽ								DAY IVIA	AIN I . AL	LVV.		Ⅎ	Ę		RATIONS
	FEDERAL	DESCRIPTION		ш	ت		(6) (7)						풀~급	(a)	(b)
82 ≥ 28			SE	누움	S⊏		DS			GS		9 PL	T 교 등	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	T(- N N	(a)	(b)	(c)	(a)	(b)	(c)	7.7.F	S×X	NUMBER	NUMBER
		(MFR. PART NO.)	DDE	UNIT OF MEASURE	QTY, INCL. IN UNIT	1-20	21-50	51-100	1-20	21-50	51-100	1 YR. ALW. PER 100 EQUIP. (CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.		
PAHZZ	5305-054-6655	SCREW,MACHINE		EA	2				*	*	*		*		
I ALIZZ	0000-004-0000	MS51957-31 (96906)		LA	2										
PAHZZ	5310-616-3555	WASHER,LOCK		EA	6				*	*	*		*		
1 7 % 1.2.2	0010 010 0000	MS35333-71 (96906)		_, `	Ü										
XBHZZ		BRACKET, ANGLE		EA	1										
		1410-2350 (51504)													
PAHZZ	5305-056-6650	SCREW,MACHINÉ		EA	15				*	*	*		*		
		MS51957-26 (96906)													
XAHZZ		BRACKET,ANGLE		EA	1										
		1410-2360 (51504)													
XBNZZ		CHASSIS,ELECTRICAL EQUIPMENT		EA	1										
VDUZZ		1410-2320 (51504)		- ^											
XBHZZ		CLIP,ELECTRICAL 116A (72765)		EA	1										
XBHZZ		PANEL,BLANK		EA	1										
ADITZZ		1410-3301 (51504)		LA	'										
XBHZZ		TERMINAL,LUG		EA	2										
/		1414-10 (83330)		_, ,	_										
AHHHD		CIRCUIT CARO ASSEMBLY		EA	1									40	1
		4410-1300 (51504)													
PAHZZ	5905-135-6046	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	40	2
		RCR07G681JS (81349)													
PAHZZ	5905-235-3534	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	40	3
DA1177	5005 400 0000	RCR32G681JS (81349)							_	*				40	
PAHZZ	5905-126-6683	RESISTOR, FIXED, COMPOSITION		EA	1				_ ^	,	_ ^		•	40	4
PAHZZ	5935-238-5828	RCR07G332JS (81349) RESISTOR,VARIABLE		EA	1				*	*	*		*	40	5
FALIZZ	3933-236-3626	3359W1-103 (8:294)		LA	'									40	3
PAHZZ	5910-974-5129	CAPACITOR, FIXED, ELECTROLYTIC		EA	7				*	*	*		*	40	6
	00.000.20	K10C20K (31433)		_, ,	·										
PAHZZ	5961-951-8757	TRANSISTOR		EA	6				*	*	*		*	40	7
		2N2222 (81349)													
PAHZZ	5905-110-71620	RESISTOR,FIXED,COMPOSITION		EA	6				*	*	*		*	40	8
		RCR07G102JS (81369)													

SECTION XLI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

	ECTION XLI	REPAIR PARTS FOR DIRECT	SUPPOR			UPP	<u> JRTA</u>	ע טא	EPUI	WAIN	IIENA	ANCE			
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)		0)
ᅵᄬᆢᆡ							30 E	Day M <i>a</i>	AINT. AL	.W.		_ €	≟	ILLUSTF	RATIONS
	FEDERAL	DESCRIPTION			=		(6)			(7)		୍ଟଟ୍ଟ	₹~	(a)	(b)
│않않좋않胐	STOCK		USE	노뿔	ᅙ		DS			GS				FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	T C	∃.≅	(a)	(b)	(c)	(a)	(b)	(c)	2 2 E	0 N	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	UNIT OF MEASURE	QTY, INCL. IN UNIT	1-20	` '	51-100	1-20	21-50	51-100	1 YR. ALW. PER 100 EQUIP. S CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.		
		<u> </u>						000			000				
PAHZZ	5910-274-2208 C	APACITOR*FIXEDIELECTROLYTIC		EA	1				*	*	*		*	40	9
1 71122	0910-214-2200 (B41283-100-25-8112 (25088)		LA	'									40	3
PAHZZ	5905-116-5555	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	40	10
		RCRO7G153JS (81349)													
PAHZZ	5905-115-3560	RESISTOR,FIXED,COMPOSITION		EA	3				*	*	*		*	40	11
		RCR37G183JS (81349)													
PAHZZ	5905-119-3504	RESISTOR,FIXED,COMPOSITION		EA	1				*	*	*		*	40	12
		RCRO7G273JS (51349)							*		l .				
PAHZZ	5905-106-1278	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	40	13
PAHZZ	5905-445-1682	RCRO7G123JS (81349) RESISTOR,FIXED,FILM		EA	1				*	*			*	40	14
PARZZ	3903-443-1662	RNR65C464OFS (81349)5		EA	'									40	14
PAHZZ	5905-119-5511	RESISTOR, FIXED, COMPOSITTON		EA	1				*	*	*		*	40	15
17/1122	0000 110 0011	RCRO7G151JS (81349)												40	10
PAHZZ	5910-267-2706	CAPACTOR, FIXED, PLASTIC DI		EA	2				*	*	*		*	40	16
		MR0-1UF10PCT160VDCW (08257)													
PAHZZ	5910-088-7235	CAPACITOR,FIXED,PLASTIC DI		EA	1				*	*	*		*	40	17
		1MD1-333J (72136)													
PAHZZ	5910-828-6282	CAPACITOR, FIXED, ELECTROLYTIC		EA	2				*	*	*		*	40	18
		C437ARG10O (K0004)			_					*	Ι.				
PAHZZ	5950-930-4451	TRANSFORMER, POWER		EA	2				*	*	*		*	40	19
DALIZZ	E00E 40C 0004	124-5K (70674)		_ ^	4				*	*	*		*	40	20
PAHZZ	5905-136-3891	RESISTOR,FIXED,COMPOSITION RCR07G621JS (81349)		EA	1						"			40	20
PAHZZ	5910-224-8115	CAPACITOR, FIXED, ELECTROLYTIC		EA	1				*	*	*		*	40	21
1 /11/22	3310 224 0113	KIR8C20K (31433)												10	21
PAHZZ	5905-110-7622	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	40	22
		RCR0JG682JS (81349)													
PAHZZ	5905-105-7764	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	40	23
		RCR07G222JS (81349)													
PAHZZ	5905-141-3717	RESISTOR,FIXED,COMPOSITION		EA	2				*	*	*		*	40	24
		RCR07G473JS (81349)			_					*	*				
PAHZZ	5905-114-533	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	40	25
		RCR07G154JS (81349)													

SECTION XLI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

S	ECTION XLI	REPAIR PARTS FOR DIRE	CT SUPPOR	₹T, GE	NERAL S	UPPO	<u> PRIA</u>	ם שא	EPOI	MAIN	HENA	ANCE			
(1) 出	(2)	(3)		(4)	(5)							(8)	(9)		0)
뭔 🗟							30 I	Day Ma	AINT. AL	.W.		_ ĕ.	Ŀ	ILLUSTF	RATIONS
SOURCE CODE MAINT. (L) CODE REC. CODE	FEDERAL	DESCRIPTION		Ι ш	نے ا		(6)			(7)		- 없 -	تەھ≧	(a)	(b)
%≳≶Ω≌			USE	UNIT OF MEASURE	QTY, INCL. IN UNIT		DS			GS		1 YR. ALW. PER 100 EQUIP. S CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	≟X		(a)	(b)	(c)	(a)	(b)	(c)	5.7.7 T	e ×ie	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	55	δ≥	1-20	21-50	51-100	1-20	21-50	51-100		24 C		
PAHZZ	5905-114-5343	RESISTOR,FIXED,COMPOSITION		EA	2				*	*	*		*	40	26
		RCR07G82SJS (81349)		l <u>-</u> .					*	*	*				
PAHZZ	5935-775-5711	CONNECTOR, RECEPTACLE, ELEC		EA	2				*	*	*		*	40	27
PAHZZ	5905-552-5478	133-018-43 (02660) RESISTOR, VARIABLE		EA	1				*	*	*		*	40	28
1 / 11/22	0000 002 0470	RV4NAYSD102A (81349)												40	
PAHZZ	5961-118-1180	TRANSISTOR ` ´		EA	2				*	*	*		*	40	29
		2N4851 (80131)							*	*	*				
PAHZZ	5905-141-1183	RESISTOR, FIXED, COMPOSITION		EA	3				*	*	*		*	40	30
PAHZZ	591C-222-7765	RCR07G1O1JS (81349) CAPACITOR,FIXED,PLASTIC DI		EA	2				*	*	*		*	40	31
1 71122	3310 222 1103	1MOF1-472J (721361		-^	_									40	31
PAHZZ	5905-114-0711	RESISTOR,FIXED,COMPOSITION		EA	1				*	*	*		*	40	32
		RCR07G472JS (81349)													
PAHZZ	5905-105-7768	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	40	33
PAHZZ	5910-139-24C6	RCRO7G561JS (81349) CAPACITOR,FIXED,PLASTIC DI		E4	1				*	*	*		*	40	3
1 71122	3910-139-2400	1MFI-102 (72136)												40	
PAHZZ	5961-913-1747	TRANSISTOR		EA	1				*	*	*		*	40	35
		2N29C7 (81349)													
PAHZZ	5905-141-1595	RESISTOR, FIXED, COMPOSITION		EA	2				*	*	*		*	40	36
PAHZZ	5905-141-0742	RCR2CG472JS (81349) RESISTOR,FIXED,COMPOSITION		EA	1				*	*	*		*	40	37
1 71122	3903-141-0742	RCR07G18JS (81349)		-^	Į.									40	37
PAHZZ	5961-054-4191	TRANSISTOR		EA	2				*	*	*		*	40	38
		40347 (02735)													
PAHZZ	5905-141-0744	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	40	39
PAHZZ	5905-120-9154	RC07G562JS (81349) RESISTOR.FIXED,COMPOSITION		EA	1				*	*	*		*	40	40
	10000-120-9104	RCR7G471JS (81349)		-^	'									1 40	"
PAHZZ	5905-110-0196	RESISTOR, FIXED, COMPOSITION		EA	1				*	*	*		*	40	41
		RCR20G102JS (81349)													
PAHZZ	5935-116-8556	RESISTOR, FIXED, COMPOSITION		E41					*	*	*		*	40	42
1		RCRO7G223JS (61349)													
1															
1				_											
				լ В	-123	i									

SECTION XLI REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

S	ECTION XLI	REPAIR PARTS FOR DIRECT	SUPPOR	₹T, GE		UPPO	<u> PRTA</u>	ND D	EPOI	MAIN	IIENA	NCE			
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)	(1	
병. 근. 중							30 E	DAY MA	AINT. AL	.W.			⊨	ILLUSTR	RATIONS
`	FEDERAL	DESCRIPTION		١	_ ,		(6)			(7)		ֻ קַּי	₹~ 6	(a)	(b)
88	STOCK		USE	ᅵᆾᄚ	ᄝ		DS			GS		3C B	Z#Z	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	PS	<u>-</u> :≅	(a)	(b)	(c)	(a)	(b)	(c)	R 1	O × O	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	UNIT OF MEASURE	QTY. INCL. IN UNIT	1-20	21-50			21-50	51-100	1 YR. ALW. PER 100 EQUIP. (CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.		
PAHZZ	5940-103-1883	TERMINAL,LUG		EA	16									40	43
		2000C1 (15849)													
XAHZZ		PRINTED WIRING BOARD		EA	1										
		1410-1300 (51504)													
		GROUP C103													
		SF DETECTOR AND OSCILIATOR													
		OF BETEGTOR AND GOOILIATOR													
PAOHD		DETECTOR.SINGLE FREQUENCY OSC		EA	1	*	*	*	*	*	*		*	22	1
		41063-02 (51504)												FOR BREADO	
														SEE SECTIO	N XXVI,
														GROUP 0103	03
				B	-124										

ITEM

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FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX

			AND REFERENCE NUMBER INDEX	
	FIGURE	ITEM		FIGURE
FEDERAL STOCK NUMBER	NUMBER	NUMBER	FEDERAL STOCK NUMBER	NUMBER
5305-958-8326	39	8	5910-974-6129	38
5355-253-0581	39	9	5910-974-6129	40
5835-081-4578	37	2	5920-131-9816	37
5895-186-1262	37	1	5920-450-8063	37
5895-195-0444	39	1	5930-007-3967	37
5905-060-3731	38	3	5930-236-6529	39
5905-105-7764	38	16	5935-194-3079	39
5905-105-7764	49	23	5935-617-6837	37
5905-105-7765	40	33	5935-775-5711	38
5905-106-1278	40	13	5935-775-5711	40
5905-106-1276 5905-106-3666	38	15	5935-837-5711	36
0os5-110-0196	38	14	5940-103-1883	38
	36 40	41		36 40
5905-110-0196			5940-103-1883	
5905-110-7620	40	8	5940-518-8129	36
5905-!1C-7622	40	22	5940-882-3272	36
5905-111-4727	38	10	5945-238-5168	39
5905-114-0711	38	13	5950-238-5915	37
5905-114-0711	40	32	5950-930-4451	40
5905-114-5339	40	25	5961-054-4191	40
5905-114-5343	40	26	5961-118-t1180	0
5905-115-3560	40	11	5961-901-8108	37
5905-116-8555	40	10	5961-901-8108	39
5905-116-8556	40	42	5961-913-1747	38
5905-119-3504	40	12	5961-913-1747	40
5905-119-8811	40	15	5961-951-6757	40
5905-120-9154	40	40	5961-975-1795	38
5905-126-6683	40	4	5961-979-0108	38
5905-135-6046	40	2	5961-985-9074	36
5905-136-3891	40	20	5975-989-9347	36
5905-141-0595	40	36	6150-071-1180	36
5905-141-0717	40	24	6250-484-1124	37
5905-141-0742	40	37	6250-484-1124	39
5905-141-0744	40	39		
5905-141-1183	40	30		
5905-235-3534	40	3		
5905-238-5828	40	5		
5905-243-1806	38	12		
5905-552-5478	43	28		
5910-068-3887	38	6		
5910-088-7235	40	17		
5910-125-3928	37	5		
5910-125-3928	39	5		
5910-135-24C6	40	34		
5910-222-7765	40	31		
5910-224-5115	40	21		
5910-267-2706	40	16		
5910-274-2208	40	9		
5910-828-5282	40	18		
5910-902-1186	36	2		
			D 405	

SECTION XLIII	FEDERAL STOCK NU	MBER AND REFERENC	F NUMBER INDEX
MANUFACTURER	FED MFR	FIGURE	ITEM
PART NUMBER	CODE	NUMBER	NUMBER
AT81061W	11136	39	10
841283-100-25-8112	25088	40	9
CD10FD101K03	14655	38	6
CMC32	56289	37	4
CMC32	56289	39	4
C437ARG100	K0004	40	18
JJ42	81349	39	2
KN500BA	95146	39	9
K1R8C20K	31433	40	21
K10C20K	31433	38	 11
K10C20K	31433	40	6
MDL1	71400	37	12
MRO-1UF10PCT160VDCW	08257	40	16
NF207	05820	38	18
RCR07G101JS	81349	40	30
RCR07G02JS	81349	40	8
RCR07G103JS	81349	38	15
RCR07G10333	81349	38	9
RCR07G122JS RCR07G123JS	81349	40	13
		40	-
RCR07G151JS	81349	40	15 10
RCR07G153JS	81349	-	_
RCR07G154JS	81349	40	25
RCR07G181JS	81349	40	37
RCR07G182JS	81349	40	26
RCR07G183JS	81349	40	11
RCR07G222JS	81349	38	16
RCR07G222JS	81349	40	23
RCR07G223JS	81349	38	10
RCR07G273JS	81349	40	12
RCR07G332JS	81349	40	4
RCR07G471JS	81349	40	40
RCR07G472JS	81349	38	13
RCR07G472JS	81349	40	32
RCR07G7473JS	81349	40	24
RCR07G561JS	81349	40	33
RCP07G562JS	81349	40	39
RCR07G621JS	81349	4e	20
RCR07G681JS	81349	40	2
RCR07G682JS	81349	40	22
RCR28BG12JS	81349	38	14
RCR20G102JS	81349	40	41
RCR20G472JS	81349	40	36
RCR32G681JS	81349	40	3
RNR65C4640FS	81349	40	14
RV4NAYS012A	813349	45	28
RW69V1R0	81349	38	3
SKT10BLK	98291	37	2
SKT10WHT	98291	37	3
T61129	9625S	37	7
		D 400	

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FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX

MANUFACTURER	FED MFR	FIGURE	ITEM
PART NUMBER	CODE	NUMBER	NUMBER
1MDF1-102	72136	40	34
1MDF1-472J	72136	40	31
1MD1-333J	72136	40	17
11-507	04713	38	8
11-507	72765	37	9
124-5K	72765	39	7
124-SK	07674	40	19
133-018-43	02660	38	4
133-018-43	02660	40	27
1424-6	03339	36	4
143-018-12	02660	36	1
1523	72653	36	5
17419	70903	36	6
2N2222	81349	40	7
2N2907	81349	38	7
2N2907	81349	40	35
2N3055	81349	36	3
2N4037	80131	38	17
2N4851	80131	40	29
2000C1	15849	38	5
2000C1	15849	40	43
28A8C	07109	39	3
300-058	72765	37	8
300-058	72765	39	6
3359W1-102	80294	38	12
3359W1-103	83294	40	5
342012	75915	37	11
36D842G04BB2A	56289	37	5
36D842G04DBB2A	56289	39	5
39D118G6050HP4	56289	36	2
40347	02735	40	38
41C10-97	51504	35	1
41029-01	51504	37	1
41C30-01	51504	39	1
41063-02	51504	41	1
4410-1202	51504	38	1
4410-1300	51504	40	1
4410-1990	51504	38	6
51-18-406-24	24248	39	8
54C	71785	36	2
7101P	09353	37	10

SECTION XLIV REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

S	ECTION XLIV	REPAIR PARTS FOR DIRE	CI SUPPOR			UPP	<u>JRTA</u>	<u>ט טא</u>	EPUI	WAIN	HENA				
(1) H	(2)	(3)		(4)	(5)							(8)	(9)		0)
병 중							30 E	Day Ma	AINT. AL	.W.		<u> </u>	⊢ :	ILLUSTF	RATIONS
	FEDERAL	DESCRIPTION		l	٠,		(6)			(7)			₹~	(a)	(b)
SOURCE CODE MAINT. (3) CODE REC. CODE	STOCK		USE	UNIT OF MEASURE	QTY, INCL. IN UNIT		DS			GS		1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	C		(a)	(b)	(c)	(a)	(b)	(c)	225 425	[호출편	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	<u>₹</u>	E≥	1-20	21-50			21-50	51-100	<u>≥</u> #9			
		(WITK. I AKT NO.)	OODL			1-20	21-30	31-100	1-20	21-30	31-100	<u> </u>			
AFFFD		DANIEL ACCEMBLY		l _,	,									44	
AFFFD		PANEL ASSEMBLY 9740CB2 (18633)		EA	1									41	1
PAFZZ		CAPACITOR, FIXED, ELECTROLTIC		EA	14	*	*	*	*	*	*		*	41	2
1 71 22		TT002N100N0B (90201)		-^	'4									41	2
PAFZZ		RESISTOR, FIXED, WIREWOULD		EA	10	*	*	*	*	*	*		*	41	3
· / · ·		AS3-3500J (11502)		-/`	'										ŭ
PAFZZ		SEMICONDUCTOR. DEVICE, DIODE		EΑ	5	*	*	*	*	*	*		*	41	4
		100F (64959)													
PAFZZ		TERMINAL BOARD		EA	2									41	5
		15318 (91833)													
PAFZZ	5310-186-9298	SPACER, SLEEVE		EA	8	*	*	*	*	*	*		*	41	6
		2370 (83330)								*					
PAFZZ	5310-934-9739	NUT,PLAIN,HEXAGON		EA	4	*	*	*	*	*	*		*		
D. F.		MS35649-242 (96906)		l _,		*	*	*	*	*	*		*		
PAFZZ	5305-054-5653	SCREW,MACHINE		EA	4	"	"			"	"		"		
PAFZZ	5310-543-2410	MS51957-19 (96906) WASHER,LOCK		EA	4	*	*	*	*	*	*		*		
FAIZZ	3310-343-2410	MS35338-40 (96906)		-^	4										
PAFZZ	5310-997-1888	NUT,PLAIN,HEXAGON		EA	4	*	*	*	*	*	*		*		
	0010 007 1000	MS35649-2252 (96906)		-/`											
PAFZZ	5305-071-1318	SCREW,MACHINE		EA	4	*	*	*	*	*	*		*		
		MS51957-83 (96906)													
PAFZZ	5310-582-5965	WASHER,LOCK '		EΑ	4	*	*	*	*	*	*		*		
		MS35333-44 (96906)													
XBFZZ		CLAMP,LOOP		EA	1										
		34-336C (72653)													
XBFZZ		PANEL, FRONT		EA	1										
		811101 (18633)													
				B	-128						1				

SECTION XLIV REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

	ECTION XLIV	REPAIR PARTS FOR DIRECT SUPP				UFF	JK I A	ט טאו	EPUI	IVIAIIN	IIEINA				
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)	- 1	(4)	(5)			· · · · · ·				(8)	(9)		0)
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	FEDERAL	DESCRIPTION		ш	ت		(6)			(7)		g≻	<u>₹</u> ~₫	(a)	(b)
%2,₹2, <u>%</u>	STOCK	US	E ½	UNIT OF MEASURE	QTY, INCL. IN UNIT		DS			GS		1 YR. ALW. PER 100 EQUIP. 3 CONTGCY	DEPOT MAINT ALW PER 100 EQUIP	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE ON	<u> </u>	YS	N⊓	(a)	(b)	(c)	(a)	(b)	(c)	5.2.E	S×.	NUMBER	NUMBER
		(MFR. PART NO.) COL	E =	58	₽¤	1-20	21-50	51-100	1-20	21-50	51-100	1 Y PE CO	DE AL 10		
		GROUP 02													
		PANEL ASSEMBLY CB1													
AFFD		PANEL ASSEMBLY		EΑ	1									41	7
		9740CB1 (18633)													
PAFZZ	5961-880-2938	SEMICONDUCTOR, DEVICE', DIODE		EA	10	*	*	*	*	*	*		*	41	8
		1N4003 (80351)													
PAFZZ		CAPACITOR, FIXED, ELECTROLYTIC		EA	10	*	*	*	*	*	*		*	41	2
D 4 E 7 7		TT002N100NOB (90201)	- 1	_,	40	*	*	*	*	*	*		*	44	
PAFZZ		RESISTOR, FIXED, WIREWOUND		EA	10								-	41	3
PAFZZ		AS3-3500J (11502) SEMICONDUCTOR DEVICE ,DIODE		EA	5	*	*	*	*	*	*		*	41	4
FAFZZ		100F (64959)		EA	5									41	4
PAFZZ		TERMINAL BOARD		EA	2	*	*	*	*	*	*		*	41	5
· / ··		15318 (91833)			_										ľ
PAFZZ	5310-186-9298	SPACER,SLEEVE		EΑ	8	*	*	*	*	*	*		*	41	6
		2370 (83330)													
PAFZZ	5310-934-9739	NUT,PIAIN,HEXAGON		EA	4	*	*	*	*	*	*		*		
		53535649-242 (96906)													
PAFZZ	5305-054-5653	SCREW,MACHINE		EA	4	*	*	*	*	*	*		*		
		MS51957-19 (96906)				*	*		*		*				
PAFZZ	5310-543-2410	WASHER,LOCK		EA	4	•	•	_ ^	•	•	_ ^		•		
PAFZZ	5310-997-1888	MS353338-40 (96906) NUT,PLAIN,HEXAGON		EA	4	*	*	*	*	*	*		*		
FAFZZ	3310-997-1000	MS35649-2252 (96906)		EA	4										
PAFZZ	5305-071-1318	SCREW,MACHINE		EA	4	*	*	*	*	*	*		*		
1 / 11 22	0000 071 1010	M551957-83 (96906)			-										
PAPZZ	5310-582-5965	WASHER,LOCK		EA	4	*	*	*	*	*	*		*		
		MS35333-44 (96906)													
XBZZ		CLAMP,LOOP`		EA	1										
		34-336C (72653)													
XBFZZ		PANEL,FRONT		EA	1										
		811101 (18633)													
1	1							1		i l	i		ı		

STOCK NUMBER AND REFERENCE NUMBER INDEX

SECTIOM XLIV					
	FIGURE	ITEM		FIGURE	ITEM
FEDERAL STOCK NUMBER	NUMBER	NUMBER	FEDERAL STOCK NUMBER	NUMBER	NUMBER
5310-186-9298	41	6			
5310-186-9298	41	6			
5961-880-2938	41	8			

SECTION XLVI

FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX

MANUFACTURER	FED MFR	FIGURE	ITEM
PART NUMBER	CODE	NUMBER	NUMBER
AS3-3500J	11502	41	3
AS3-350CJ	11502	41	3
TT002N100N0B	90201	41	2
TT002N100N0B	90201	41	2
1N4003	80131	41	8
100F	64959	41	4
100F	64959	41	4
15318	91833	41	5
15318	91833	41	5
2370	83330	41	6
2370	83330	41	6
9740C81	18633	41	7
9740C82	18633	41	1

TM 11-5805-647-14

SECTION XLVII ORGANIZATIONAL MAINTENANCE REPAIR PARTS LIST

S	ECTION XLVII	ORGANIZATIONAL MAINTENANCE	<u>REPAIR</u>		<u>RTS L</u>	<u>.IST </u>					
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)	15 D		NIZATIO	NAL	ILLUST	7) RATIONS
SOUR CODE CODE REC.	FEDERAL STOCK	DESCRIPTION	USE	핆	٦.	(a)	AINT. ALV (b)	N. (c)	(d)	(a) FIGURE	(b) REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE (MFR. PART NO.)	ON CODE	UNIT OF MEASURE	QTY. INCL. IN UNIT	-5- (a)	6-20	21-50 (3	51-100	NUMBER	NUMBER
			CODE					- "			
		GROUP 01 LAMP-JACK PANEL									
		LAMP-JACK PANEL 803101 (186333								42	1
PAOZZ	6240-Z69-0960	LAMP,INCANDESCENT 48D1 (088061		EA	2					42	3
PAOZZ	6210-880-3385	LENS.INDICATOR LIGHT PJ151 (70674)		EA	2					42	4
		B-132						L			

TM 11-5805-647-14

SECTION XLIX REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

<u>_</u>	ECTION XLIX	REPAIR PARTS FOR DIRECT S	UPPUR			UPPC	JK I A	ט טא	EPUI	WAIN	IIENA				
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)		0)
ᅵᇕᆢᆄᆢᇬ							30 L	DAY MA	AINT. AL	.W.		≝	Ė		RATIONS
	FEDERAL	DESCRIPTION		ш	ت		(6)			(7)		1 YR. ALW. PER 100 EQUIP. CONTGCY	DEPOT MAINT. ALW. PER 100 EQUIP.	(a)	(b)
NO _Z SSE			USE	UNIT OF MEASURE	QTY. INCL. IN UNIT		DS			GS		9ee	Z ⊒ S	FIGURE	REF./ITEM
	NUMBER	REF. NUMBER MFR. CODE	ON	≧K	I.N	(a)	(b)	(c)	(a)	(b)	(c)	5.27. 7.27.	G×ĕ	NUMBER	NUMBER
		(MFR. PART NO.)	CODE	58	Б≅	1-20	21-50	51-100	1-20	21-50	51-100	<u>₹</u> 83	등 등 등		
		GROUP 01													
		LAMP-JACK PANEL													
		LAMP-JACK PANEL												42	1
		803101 (18633)													
PAHZZ	6250-023-6555	LAMPHOLOER		EA	2				*	*	*		*	42	2
1 71122	0200-020-0000	LT47 (82389)												74	-
PAOZZ	6240-269-0960	LAMP,INCANDESCENT		EA	2	*	*	*	*	*	*		*	42	3
		4801 (088C6)													
PAOZZ	6210-880-3385	LENS,INOICATOR LIGHT		EA	2	*	*	*	*	*	*		*	42	4
		PJ151 (70674)			_										_
PAHZZ	5935-134-3287	JACK,TELEPHONE		EA	4				*	*	*		*	42	5
XBHZZ		MT333 (82389) CHASSIS,ELECTRICAL EQUIPMENT		EA	1										
ADRZZ		803101-1 (18633)			ļ										
XBHZZ		COVER, ELECTRICAL EQUIPMENT		EA	1										
		803101-3 (18633)													
PAHZZ	5305-543-5763	SCREW,MÀCHINÉ		EA	12				*	*	*		*		
		MS35223-31 (96906)													
PAHZZ	5310-045-4007	WASHER,LOCK		EA	14				*	*	*		*		
XBHZZ		MS35337-41 (96906) COVER, ELECTRICAL EQUIPMENT		EA	1										
ADUZZ		803101-4 (18633)		EA											
PAHZZ	5315-984-4989	SCREW,MACHINE		EA	6				*	*	*		*		
	00.000000	MS35223-29 (96906)		-/ \	· ·										
XBHZZ		PANEL,MOUNTING '		EA	1										
		803101-2 (18633)													
PAHZZ	5305-543-5763	WASHER,LOCK		EA	4				*	*	*		*		
NALILIZZ		MS15795-205 (96916)			0										
MHHZZ		PLATE,DESIGNATION MS10-172Y (71785)		EA	2										
PAHZZ	5940-997-2583	TEMINAL BOARD		EA	2				*	*	*			43	1
1 71122	00-10-007-2000	4100JY1C (75382)			_										'
PAHZZ	5305-889-2998	SCREW,MACHINE		EA	8				*	*	*		*		
		MS35223-16 (96906)													
					-133										

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SECTION XLIX REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

SECTION XLIX REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE															
SOURCE CODE MAINT. (1) CODE REC. CODE	(2)	(3)		(4)	(5)							(8)	(9)	(1)	0)
;;;;;;;;;						30 DAY MAINT. ALW.					≝	ı⊨ l	ILLUSTRATIONS		
	FEDERAL	DESCRIPTION	_	 	ا با		(6)			(7)		\ YEV	필요리	(a)	(b)
\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	STOCK	US		유뜷	≧ <u>⊨</u>		DS			GS		96C	PE QU	FIGURE	REF./ITEM
	NUMBER			₽ãl	ĽŠ	(a)		(c)	(a)		(c)	8.5.E	LW.	NUMBER	NUMBER
		(MFR. PART NO.) CO	DE	5≥	σ≧	1-20	21-50	51-100	1-20	21-50	51-100	_£₽Ω	_ 4 ¥ □		
	NUMBER 5310-557-7770	REF. NUMBER MFR. CODE (MFR. PART NO.) WASHER,LOCK MS35337-49 (96906)		HEASURE MEASURE	QTY, INCL. IN UNIT	(a) 1-20	(b) 21-50	(c) 51-100		(b) 21-50 *	(e) 51-100 *	1 YR. ALW. PER 100 EQUIP. § CONTGCY	DEPOT MAINT. * ALW. PER 100 EQUIP.	NUMBER	NUMBER

TM 11-5805-647-14

SECTION LI	FE	DERAL STOCK NUMBER			
FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM Number	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM Number
5935-134-5287 5940-997-2583	42 43	5 1			
6210-880-3385	42	4			
6240-269-0960 6250-023-6555	42 42	3 2			

SECTION LI

FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX

MANUFACTURER PART NUMBER	FED MFR CODE	FIGURE NUMBER	ITEM NUMBER
LT47	82389	42	2
MT333	82389	42	5
PJ151	70674	42	4
410JJY10	75382	43	1
48D1	08806	42	3
803101	18633	42	1

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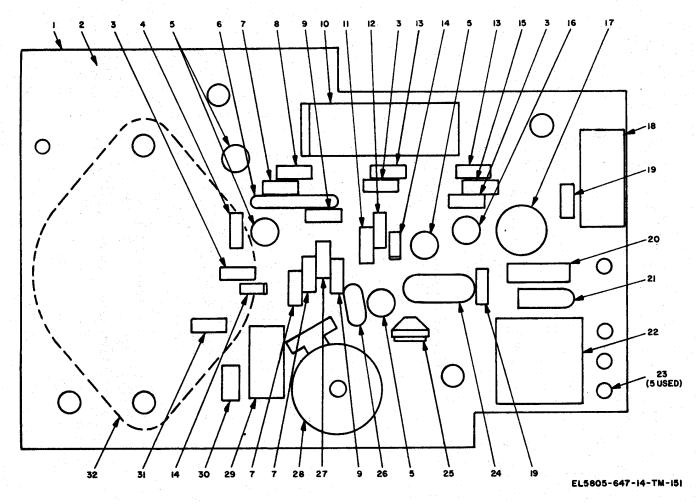


Figure 1. Oscillator assembly, parts location

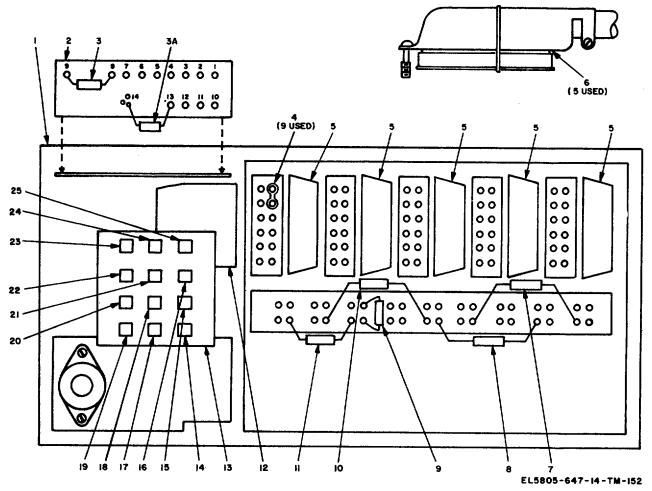


Figure 2. Cal director assembly, parts location.

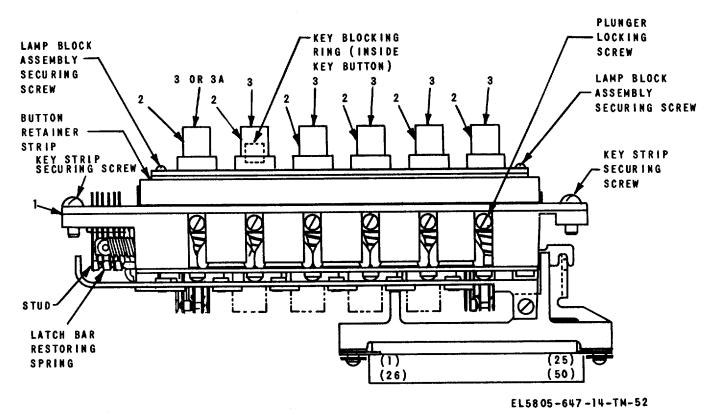


Figure 3. Typical key strip detail, parts location

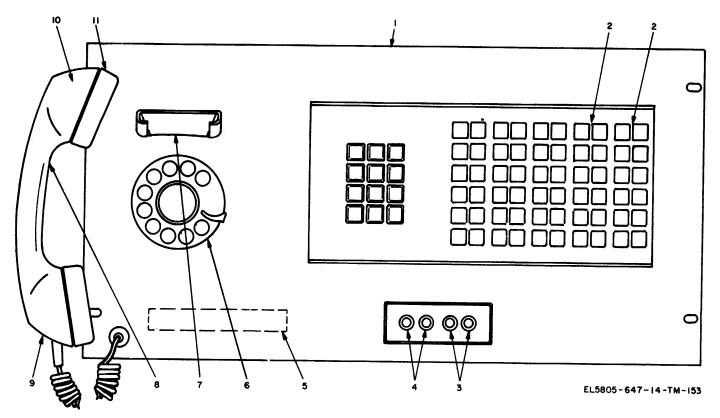


Figure 4. Call director panel assembly and handset, parts location.

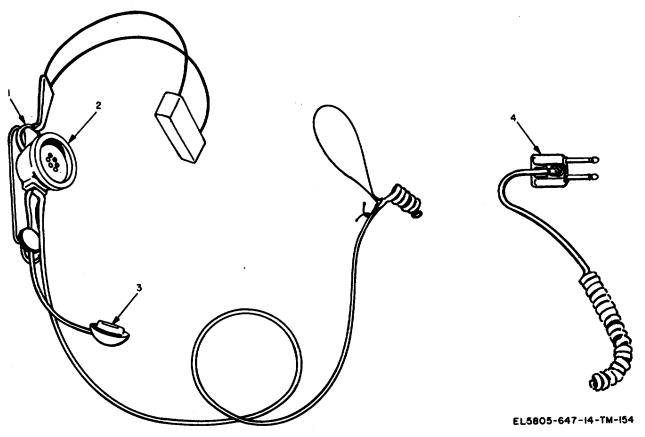


Figure 5. Headset, parts location

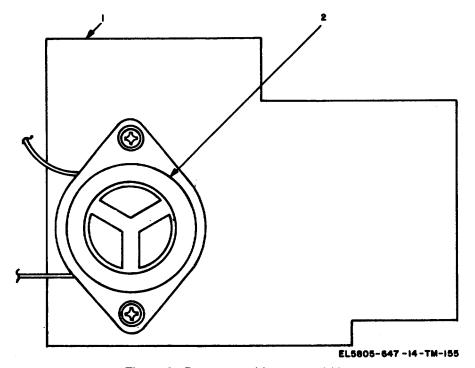


Figure 6. Buzzer numbly, parts o141

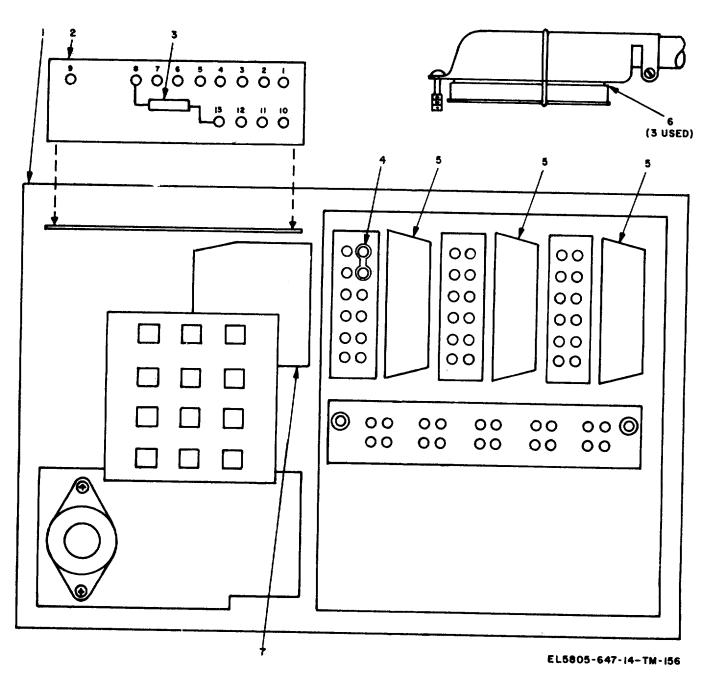


Figure 7. Call director assembly, parts location.

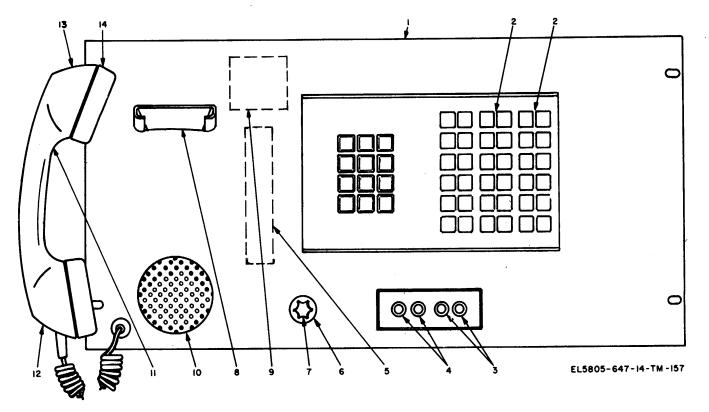


Figure 8. Call director panel assembly and handset, parts location.

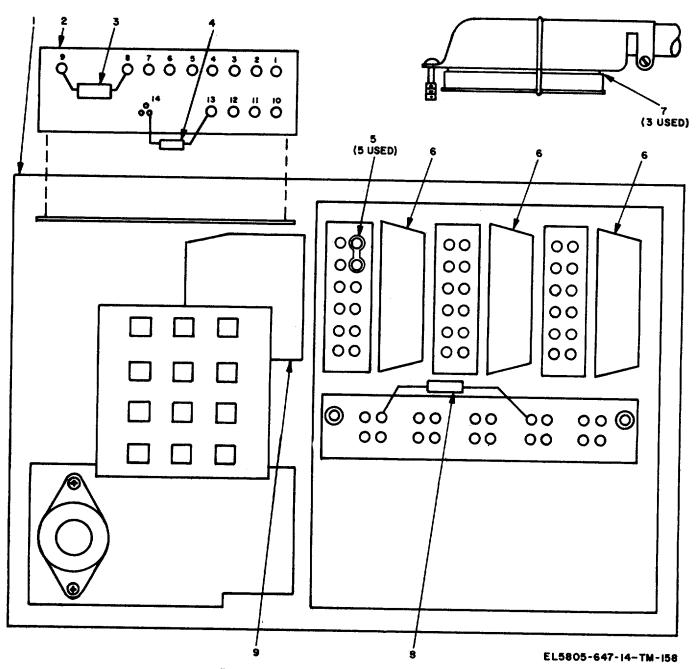


Figure 9. Call director assembly, parts location.

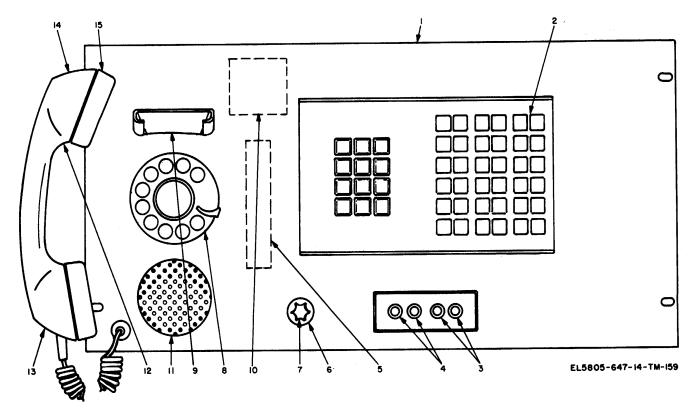


Figure 10. Call director panel assembly and handset, parts location.

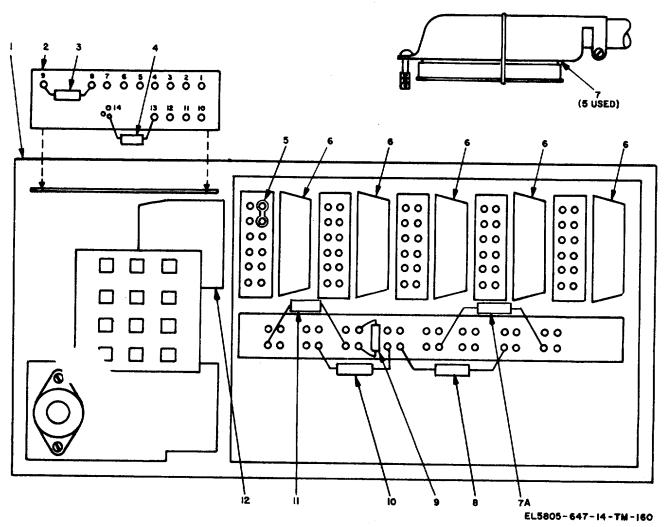


Figure 11. Call director assembly, parts location.

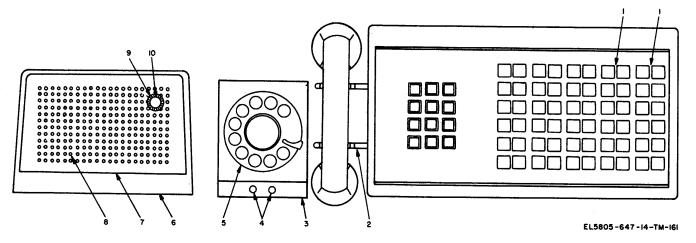


Figure 12. Call director, dial assembly and speaker assembly, parts location.

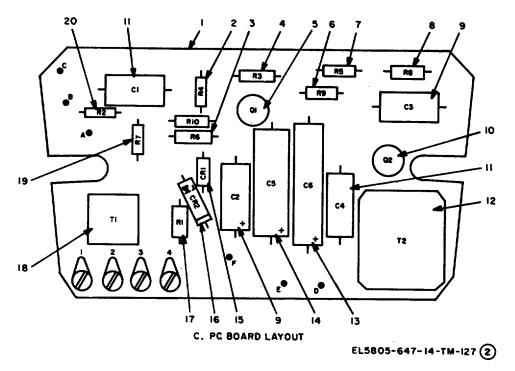


Figure 13. Speaker amplifier unit -3828, parts location.

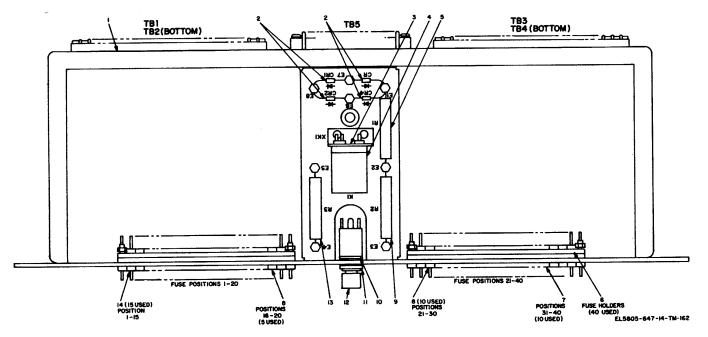


Figure 14. Fuse panel SB-751/FSC, parts location.

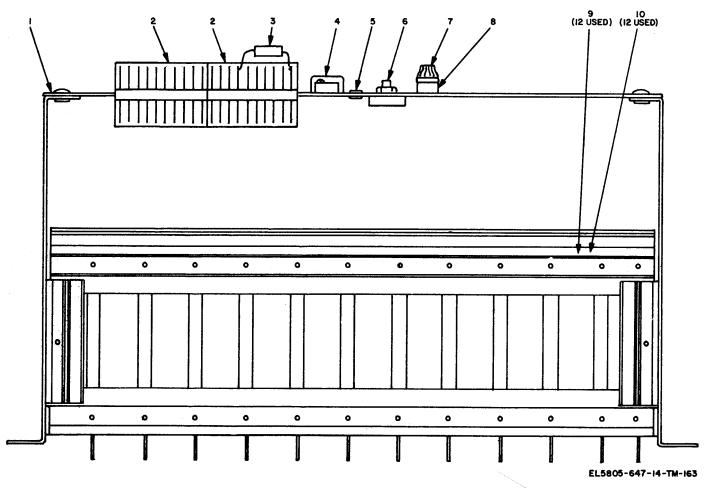


Figure 15. PC card rack assembly, parts location

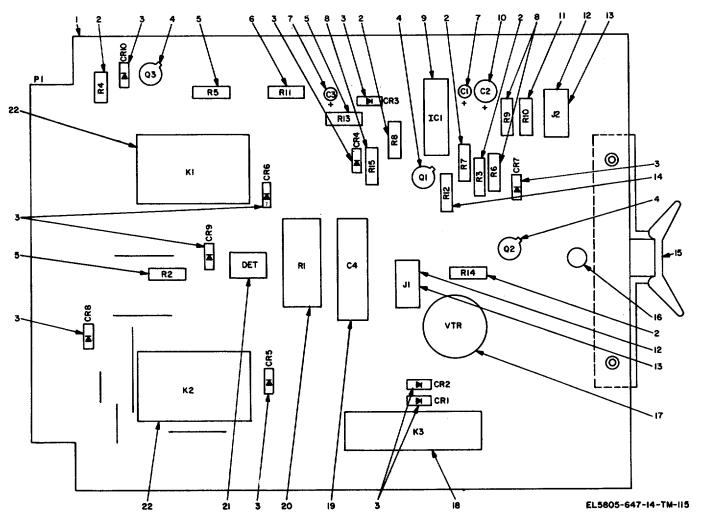


Figure 16. Line card assembly LC401-4, parts location.

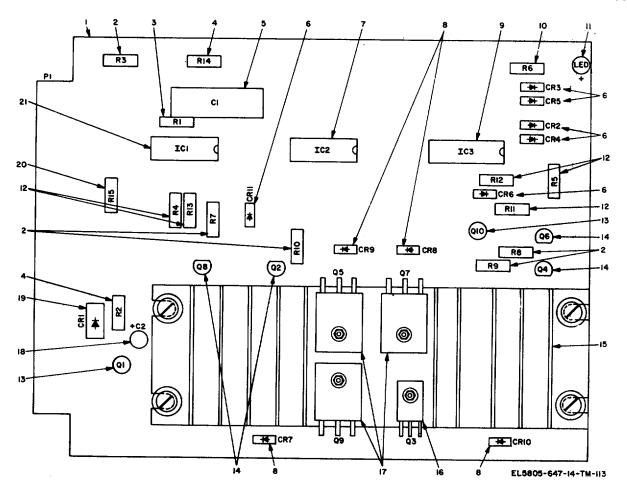


Figure 17. Interrupter card assembly INT9740, parts location.

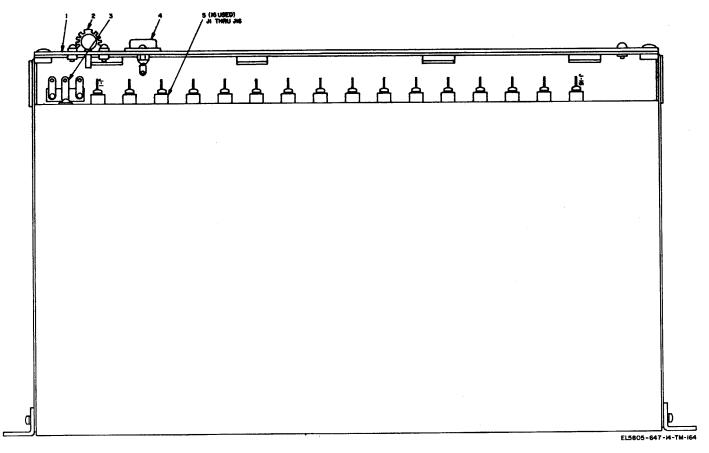


Figure 18. Equipment shelf 41040-96, top view, parts location.

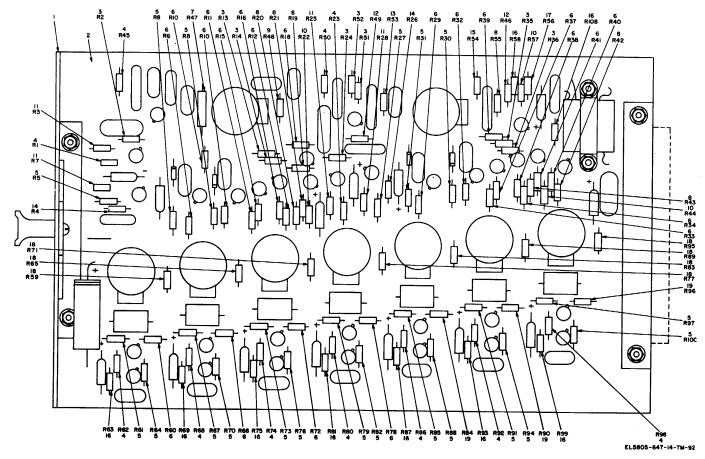


Figure 19. Tone receiver 40452-01, resistor location.

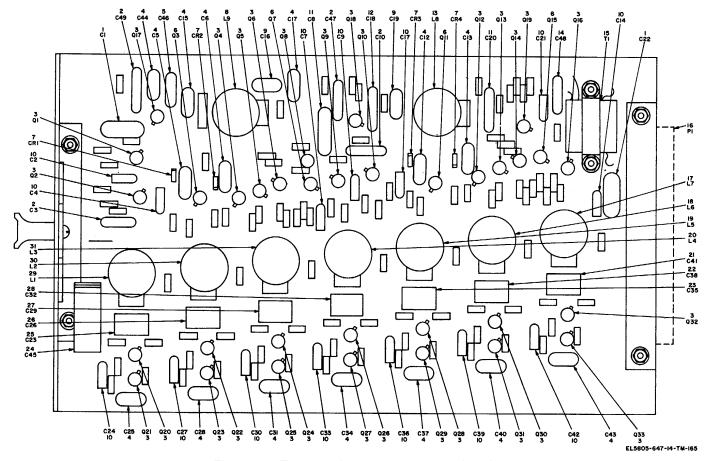


Figure 20. Tone receiver 40452-01, parts location.

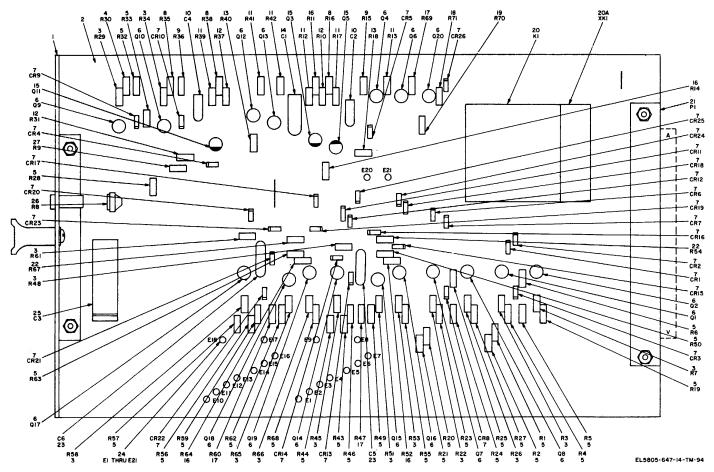


Figure 21. Digit decoder 40451-04, parts location.

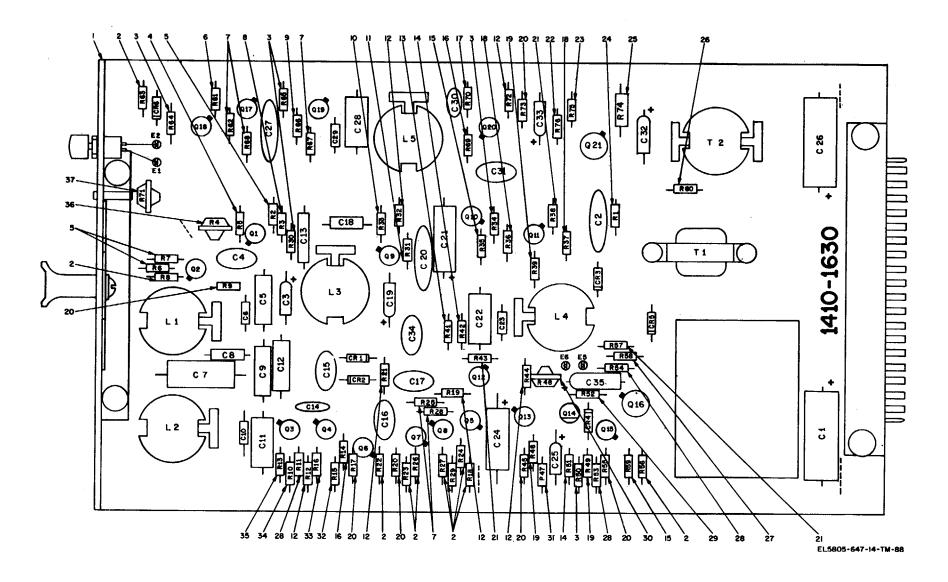


Figure 22. SF detector and oscillator 41063-02, resistor location.

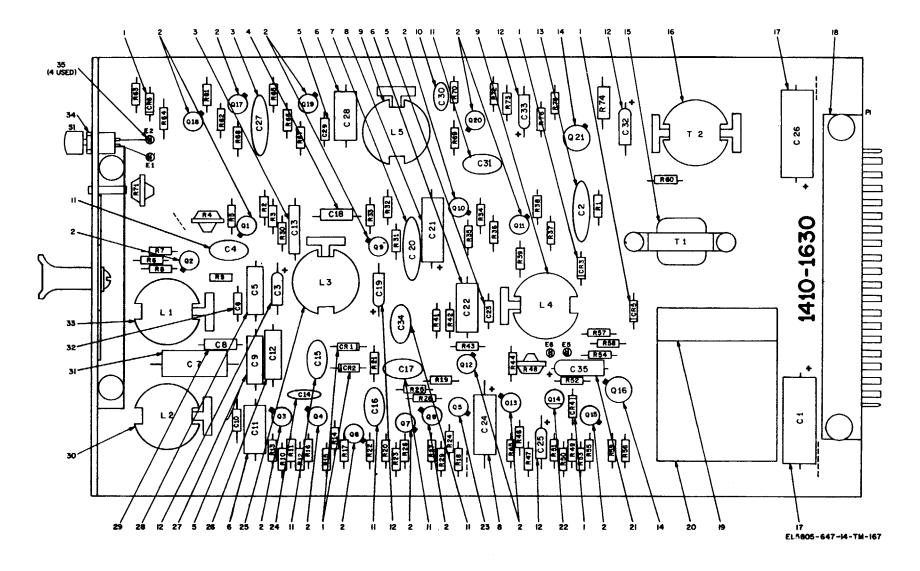


Figure 23. SF detector and oscillator 41063-02, parts location.

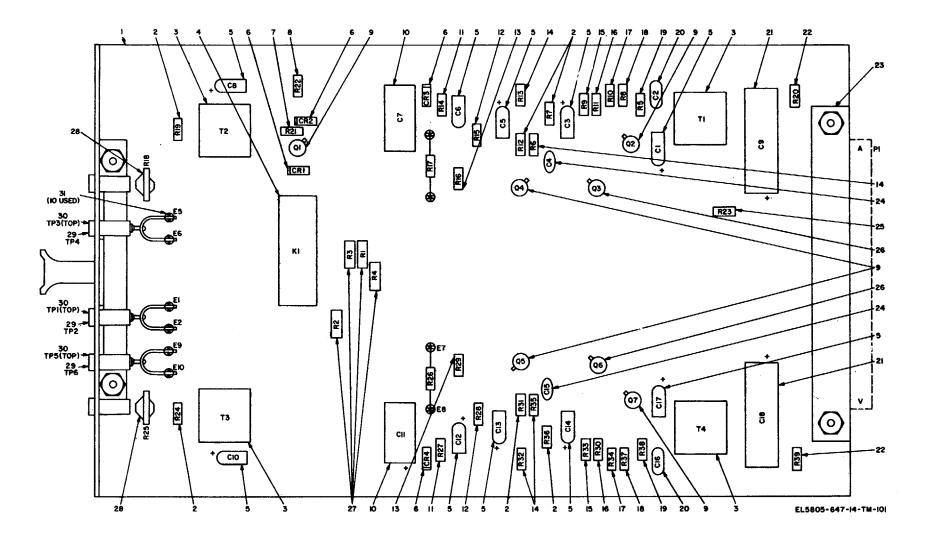


Figure 24. 4-Wire/2-wire hybrid 49008-01, parts location.

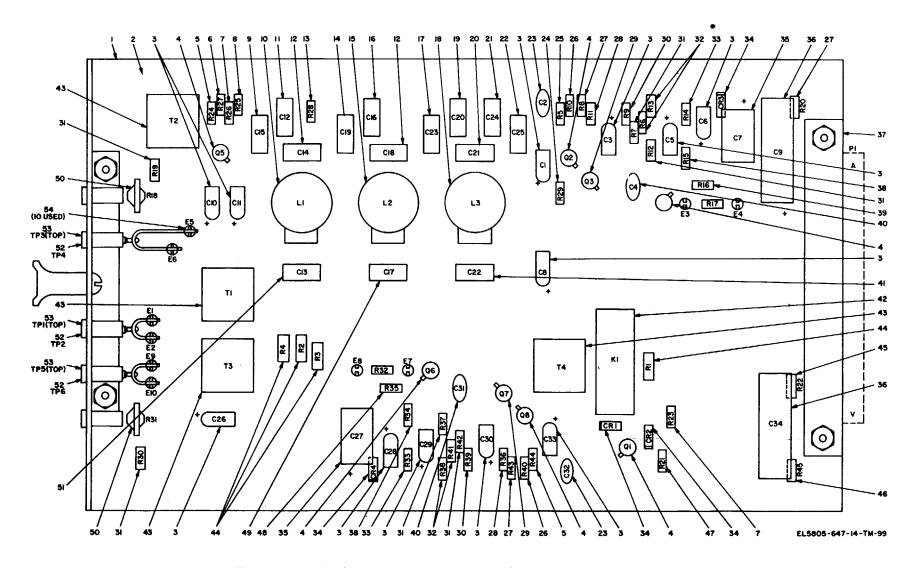


Figure 25. 4-Wire/2-wire hybrid with low-pass filter 49008-02, parts location

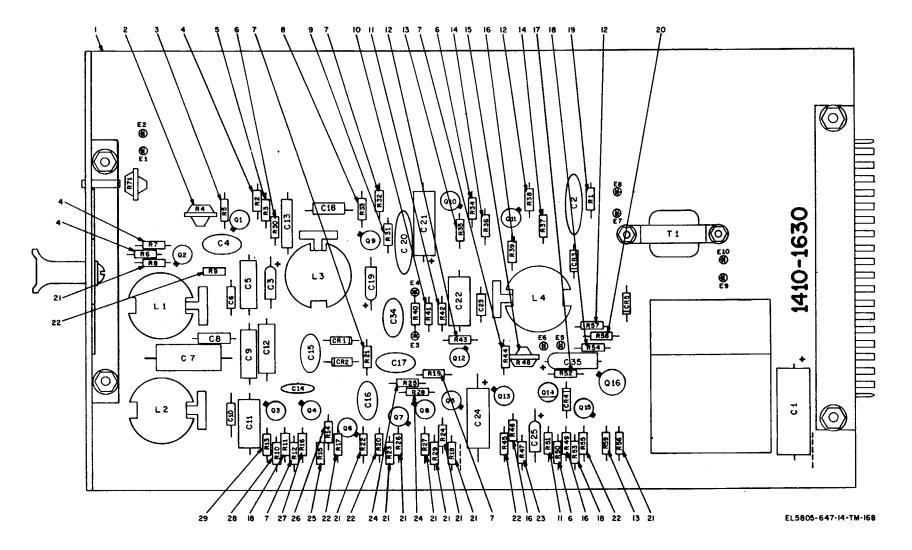


Figure 26. SF detector 41063-01, resistor location.

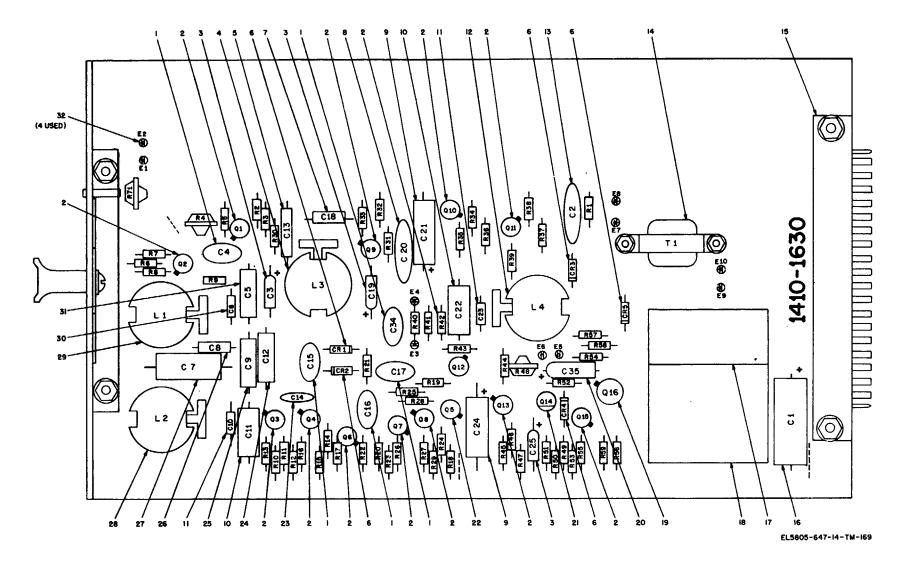


Figure 27. SF detector 41063-01, parts location.

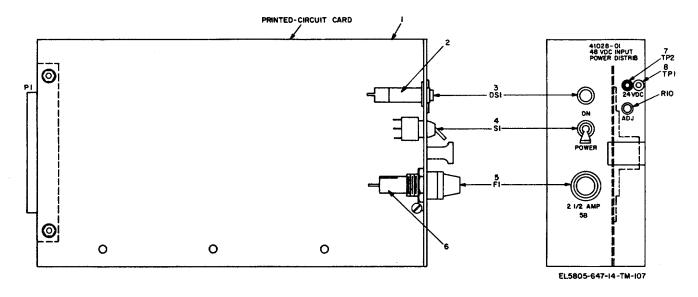


Figure 28. Power supply 41028-01, parts location.

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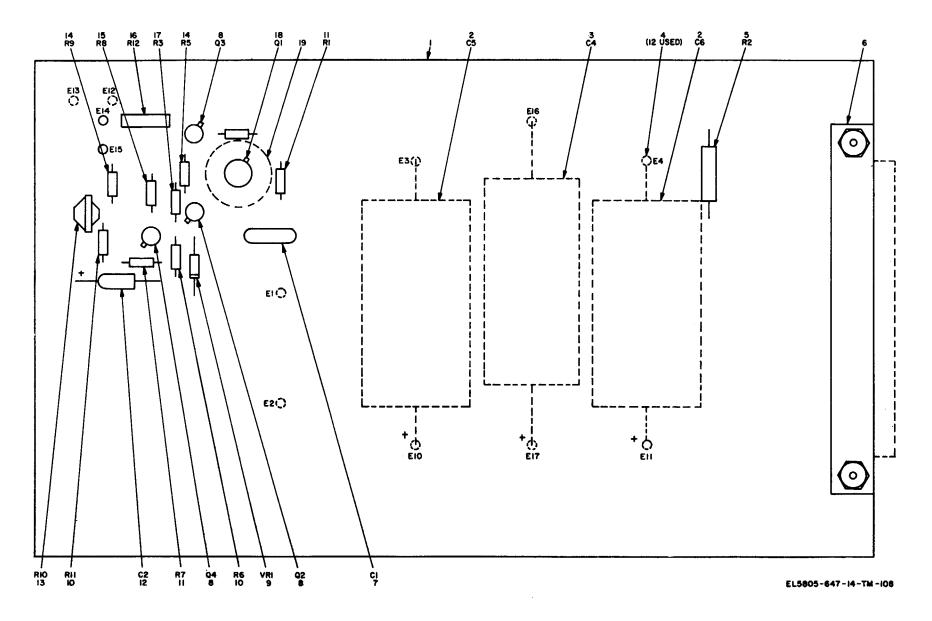


Figure 29. Printed circuit card for power supply 41028-01, parts location.

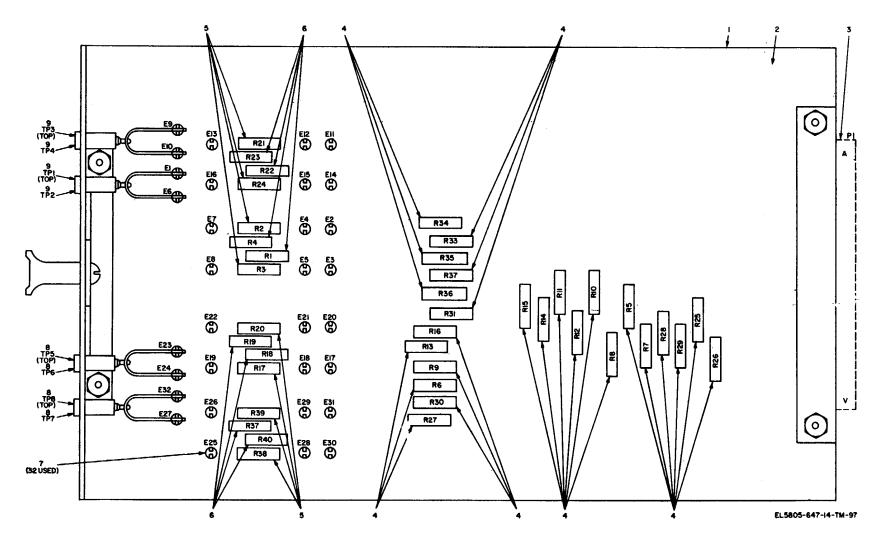


Figure 30. 4-Way/4-wire bridge 40455-03, parts location.

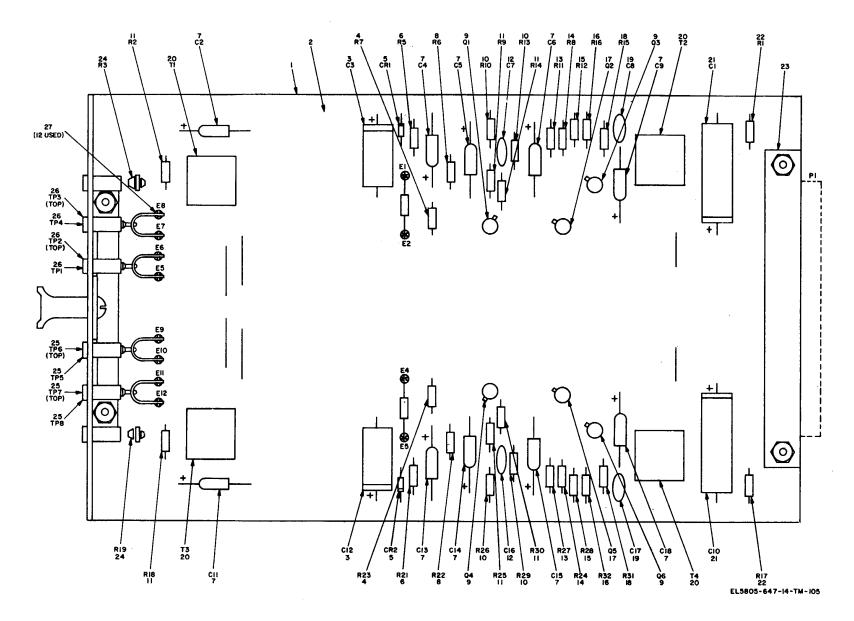


Figure 31. Dual amplifier 40472-03, parts location.

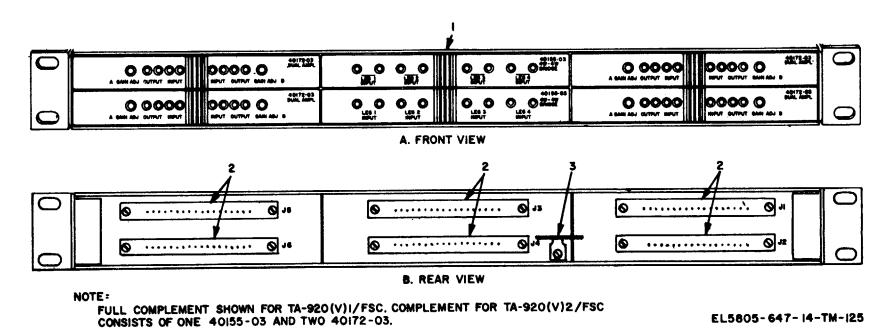


Figure 32. Conference bridge, telephone TA - 920(V)1/FSC and TA-920 (V) 2/FSC.

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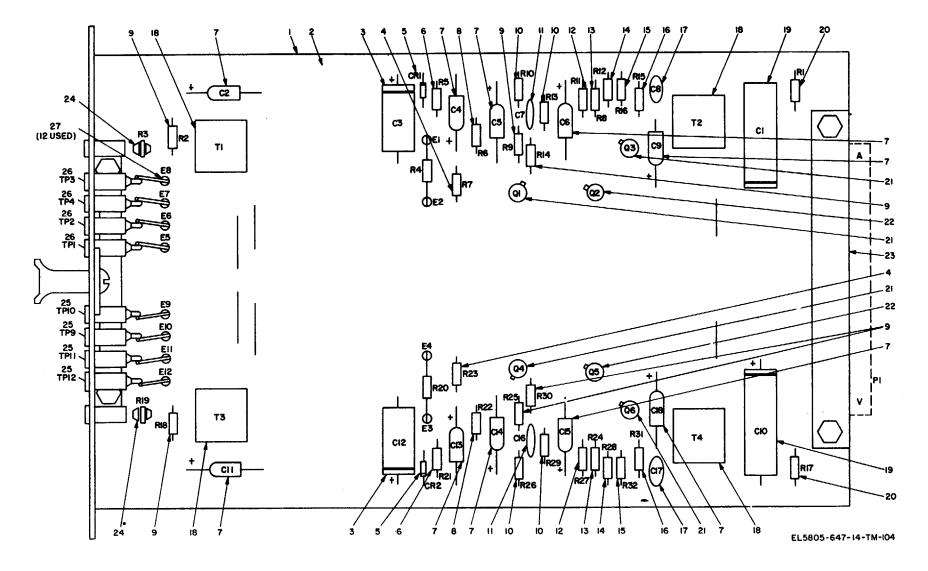


Figure 33. Dual amplifier 40172-03, parts location.

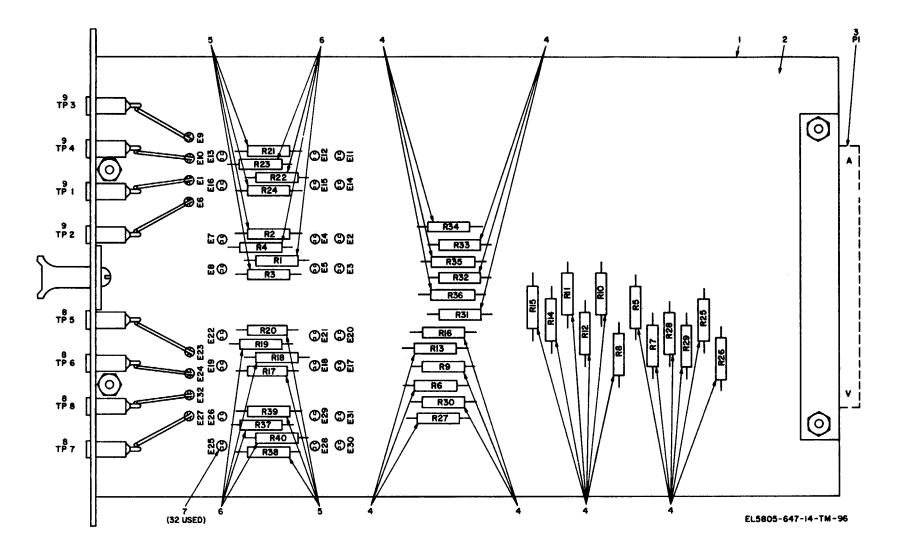


Figure 34. 4-Way/4-wire bridge 40155-03, parts location.

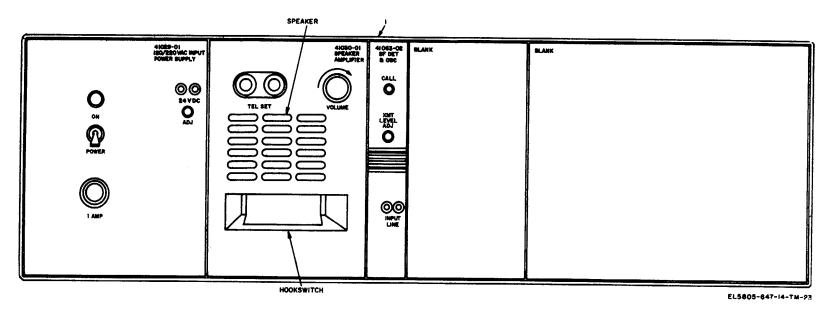


Figure 35. Local orderwire unit 41010-97 (front view).

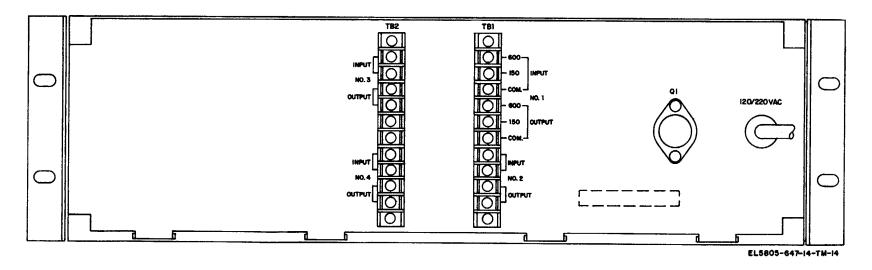


Figure 36. Local orderwire unit 411010-97, connection terminal (rear).

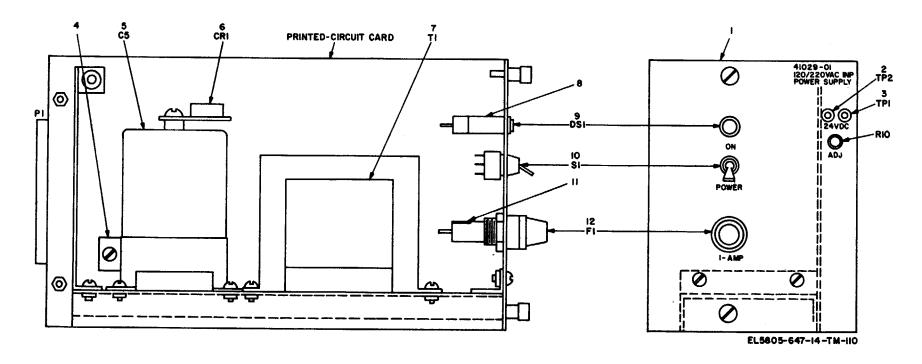


Figure 37. Power supply 41029-01, parts location.

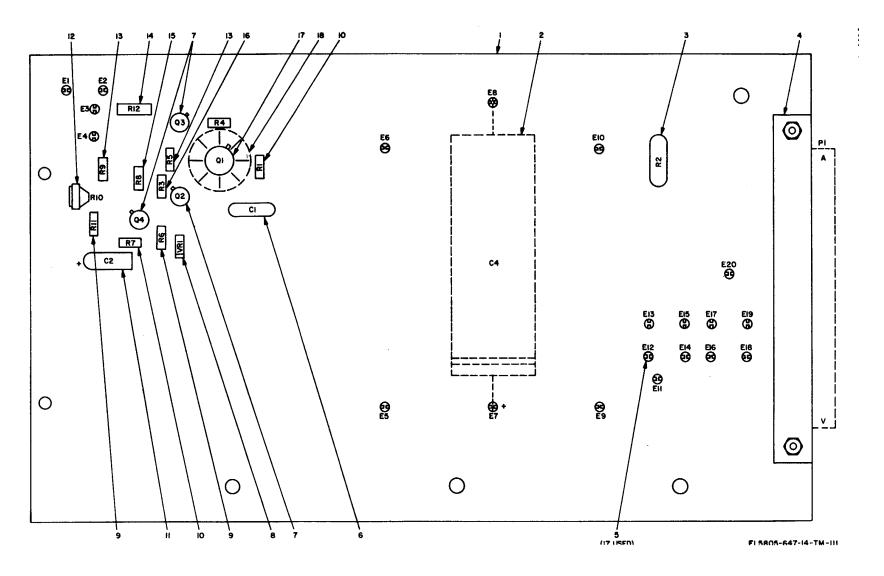


Figure 38. Printed circuit card for power supply 41029-01, parts location.

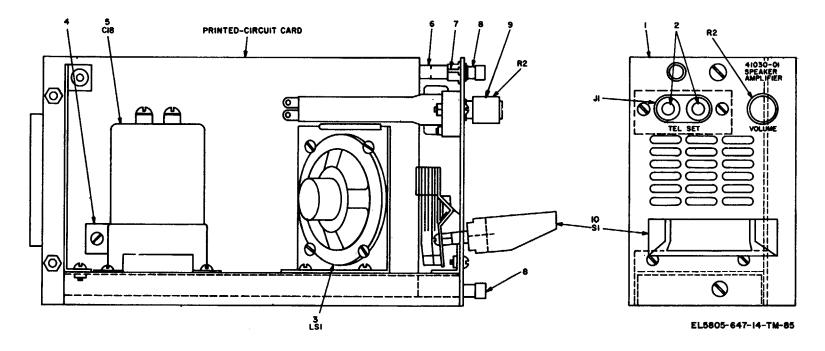


Figure 39. Speaker amplifier assembly 41030-01, parts location.

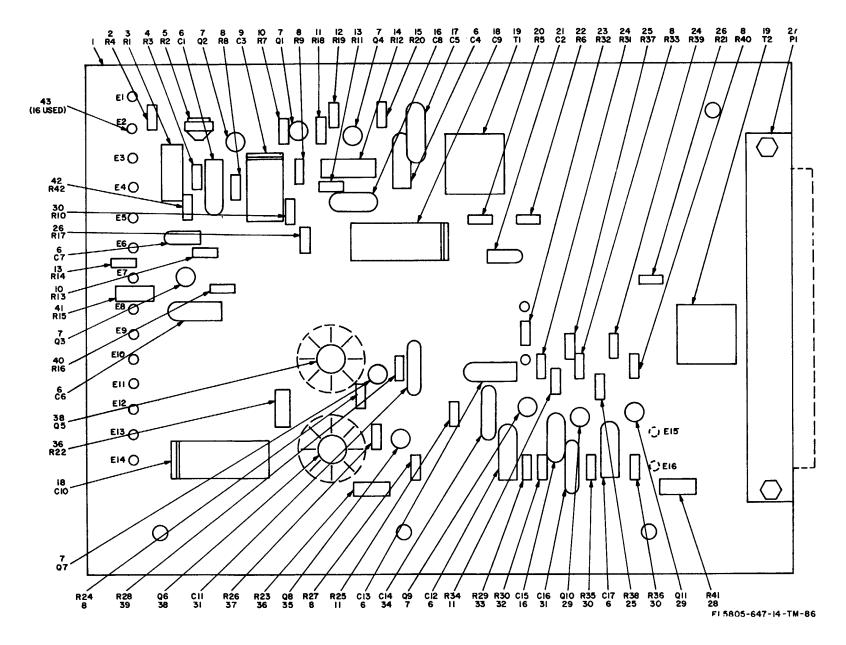


Figure 40. Printed circuit card for speaker amplifier assembly 41030-01, parts location.

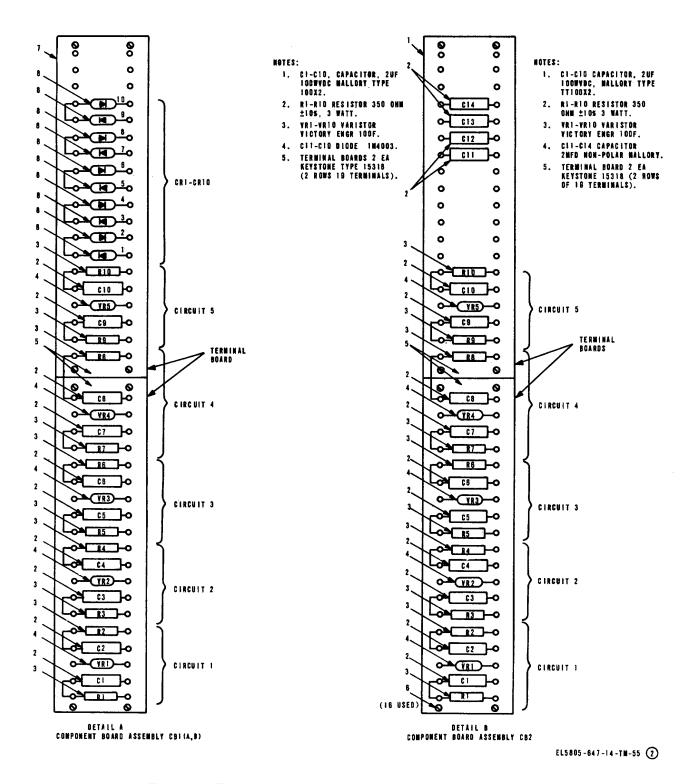


Figure 41. Typical equipment cabinet, subassembly parts location.

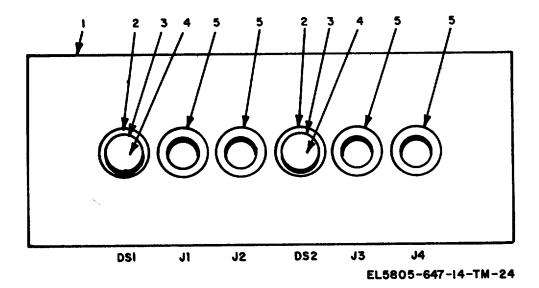


Figure 42. Jack and lamp JLP-1 (front view), parts location

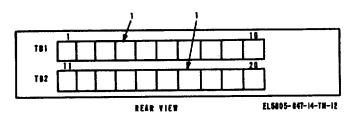


Figure 43. Jack and amp panel JLP-1, connection terminal (rear).

APPENDIX C

MAINTENANCE ALLOCATION

Section I. INTRODUCTION

C-1. General

This appendix provides a summary of the maintenance operations covered in the equipment literature. It authorizes categories of maintenance for specific maintenance functions on repairable items and components and the tools and equipment required to perform each function. This appendix may be used as an aid in planning maintenance operations.

C-2. Maintenance Functions

Maintenance functions will be limited to and defined as follows:

- a. Inspect. To determine serviceability of an item by comparing its physical, mechanical, and electrical characteristics with established standards.
- b. Test. To verify serviceability and to detect incipient electrical or mechanical failure by use of special equipment such as gages, meters, etc. This is accomplished with external test equipment and does not include operation of the equipment and operator type tests using internal meters or indicating devices.
- c. Service. To clean, to preserve, to charge, and to add fuel, lubricants, cooling agents, and air. If it is desired that elements, such as painting and lubricating, be defined separately, they may be so listed.
- d. Adjust. To rectify to the extent necessary to bring into proper operating range.
- e. Align. To adjust two or more components or assemblies of an electrical or mechanical system so that their functions are properly synchronized.

This does not include setting the frequency control knob of radio receivers or transmitters to the desired frequency.

- f. Calibrate. To determine the corrections to be made in the readings of instruments or test equipment used in precise measurement. Consists of the comparison of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared with the certified standard.
- g. Install. To set up for use in an operational environment such as an encampment, site, or vehicle.

- h. Replace. To replace unserviceable items with serviceable like items.
- i. Repair. To restore an item to serviceable condition through correction of a specific failure or unserviceable condition. This function includes, but is not limited to welding, grinding, riveting, straightening, and replacement of parts other than the trial and error replacement of running spare type items such as fuses, lamps, or electron tubes.
- j. Overhaul. Normally, the highest degree of maintenance performed by the Army in order to minimize time work in process is consistent with quality and economy of operation. It consists of that maintenance necessary to restore an item to completely serviceable condition as prescribed by maintenance standards in technical publications for each item of equipment. Overhaul normally does not return an item to like new, zero mileage, or zero hour condition.
- k. Rebuild. The highest degree of materiel maintenance. It consists or restoring equipment as nearly as possible to new condition in accordance with original manufacturing standards.

Rebuild is performed only when required by operational considerations or other paramount factors and then only at the depot maintenance category. Rebuild reduces to zero the hours or miles the equipment, or component thereof, has been in use.

I. Symbols. The uppercase letter placed in the appropriate column indicates the lowest level at which that particular maintenance function is to be performed.

C-3. Explanation of Format

- a. Column 1, Group Number. Column 1 lists group numbers, the purpose of which is to identify components, assemblies, subassemblies and modules with the next higher assembly.
- b. Column 2, Functional Group. Column 2 lists the noun names of components, assemblies, subassemblies and modules on which maintenance is authorized.
 - c. Column 3, Maintenance Functions. Column

3 lists the maintenance category at which performance of the specific maintenance function is authorized. Authorization to perform a function at any category also includes authorization to perform that function at higher categories. The codes used represent the various maintenance categories as follows:

Code Maintenance category

COperator/crew O Organizational Maintenance

FDirect Support Maintenance

H..... General Support Maintenance

DDepot Maintenance

- d. Column 4,. Tools and Test Equipment. Column 4 specifies, by code, those tools and test equipment required to perform the designated function. The numbers appearing in this column refer to specific tools and test equipment which are identified in table I.
 - e. Column 5, Remarks. Self-explanatory.

C4. Explanation of Format of Table I (Tool and Test Equipment Requirements)

The columns in table I are as follows:

- a. Tools and Equipment. The numbers in this column coincide with the numbers used in the tools and equipment column of the Maintenance Allocation Chart. The numbers indicate the applicable tool for the maintenance function.
- b. Maintenance Category. The codes in this column indicate the maintenance category normally allocated the facility.
- c. Nomenclature. This column lists tools, test, and maintenance equipment required to perform the maintenance function.
- d. Federal Stock Number. This column lists the Federal stock number of the specific tool or test equipment.
 - e. Tool Number. Not used.

(Next printed page is C3)

GROUP IUMBER	FUNCTIONAL GROUP COMPONENT ASSEMBLY				MA	INTE	NAN	ICE F	UNCT	IONS	5		TOOLS AND EQUIPMENT	REMARKS
NOMBER	COMPONENT ASSEMBLY	INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD	EQUIPMENT	
01	ORDER WIRE UNIT, EXPRESS-LINK-LOCAL TA-923/FSC PHILCO-FORD 6505-3821		0		0					O F			1,5,6,7,15, 16 5,6,7,15, 16,20 20 20	Adjust SF oscillator frequency and level Replace lamps See Note 1 for all
0101	CALL DIRECTOR ASSEMBLY PHILCO-FORD 6506-3836		F							F			1,5,6,7,15, 16 20	(F) level maintenance.
010101	SF OSCILLATOR-BUZZER ASSEMBLY PHILCO-FORD 6505-3834		F F										20 1,5,6,7,15, 16 20	
01010101	SF OSCILLATOR RAVEN ELECTRONICS CORP. 49009-01		Н						F				1,3,4,5, 6 thru 11 20	
01010102	BUZZER MALLORY SC24								F	Н			21 20	
010102	CALL DIRECTOR STROMBERG CARLSON 703016-508		F							F			1 20	
01010201	NETWORK NORTHERN ELECTRIC QNB3A4		н						F				19 20	
01010202	DIAL ASSEMBLY STROMBERG CARLSON 200054-221		Н						F				1,4 thru 7, 9,11,14, 17,18 20	

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	SECTION II MAINTENANCE	ALL	OCA	TION	I CH	ART	(ORE	DER \	VIRE (JNIT,	EPR	ESS-	LINK-LOCAL, TA-923	/FSC)
			M	AINT	ENA	NCE	ALL		TION (CHAR	RT			
(1) GROUP NUMBER	(2) FUNCTIONAL GROUP COMPONENT ASSEMBLY				M.A	INTE	ENAN	(3) ICE I	UNCT	IONS	S		(4) TOOLS AND EQUIPMENT	(5) REMARKS
		INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD		
	TA-923/FSC (CONT' D)													
01010203	KEY ASSEMBLY STROMBERG CARLSON 703016-509		Н						F				1 20	
01010204	KEY ASSEMBLY STROMBERG CARLSON 70316-510		Н						F				1 20	
0102	PANEL ASSEMBLY ALLEN TEL PRODUCTS GB1672		F							F			1 20	
010201	DIAL ASSEMBLY ITT 3300G450		Н						_				2,4,9,12, 13	
010202	HOOK SWITCH ALLEN TEL PRODUCTS ATS1061W0								F F				20 20	
0103	HANDSET AUDIO SEARS CORP NC1800-03GAR15T4		0						0	Н			20 21	
0104	HEADSET AUDIO SEARS CORP, 1574-5								0	Н			21	
	NOTE 1: Direct Support (F) level maintenance opera- tions for fixed plant equipment located OCONUS will be performed by off site (Area Maint. and Supply Facility, AMSF) personnel													
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TABLE 1: TOLL AND TEST EQUIPMENT REQUIREMENTS (ORDER WIRE UNIT, EXPRESS-LINK-LOCAL, TA-923/FSC)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	O,F,H H H O,F,H O,F,H O,H H H H	TA-923/FSC (CONT' D) MULTIMETER OSCILLOSCOPE TRANSISTOR TESTER POWER SUPPLY AC VTVM COUNTER, FREQUENCY CABLE, TEST RESISTOR, DECADE CABLE, TEST RESISTOR, 150-OHMS, ½ W, 1% CABLE, TEST RESISTOR, 10K-OHMS, ½ W, 5%	AN/USM-210 AN/USM-281A TS-1836 HP6206B ME-30A AN/USM-207 POMONA 2BC-BNC-36 ZM-16/U POMONA AL-B-24 RN65D1500F POMONA 2BB-AL-30	6625-019-0815 6625-228-2201 6625-893-2628 6625-823-5359 6625-893-4737 6625-911-6368 6625-900-4276 6625-669-0266 5905-978-7095 6625-866-4509	
3 4 5 6 7 8 9 10 11 12 13 14 15	H H O,F,H 0,F,H 0,H H H	TRANSISTOR TESTER POWER SUPPLY AC VTVM COUNTER, FREQUENCY CABLE, TEST RESISTOR, DECADE CABLE, TEST RESISTOR, 150-OHMS, ½ W, 1% CABLE, TEST	TS-1836 HP6206B ME-30A AN/USM-207 POMONA 2BC-BNC-36 ZM-16/U POMONA AL-B-24 RN65D1500F	6625-893-2628 6625-823-5359 6625-893-4737 6625-911-6368 6625-900-4276 6625-669-0266 5905-978-7095	
4 5 6 7 8 9 10 11 12 13 14 15	H O,F,H 0,F,H 0,H H H	POWER SUPPLY AC VTVM COUNTER, FREQUENCY CABLE, TEST RESISTOR, DECADE CABLE, TEST RESISTOR, 150-OHMS, ½ W, 1% CABLE, TEST	HP6206B ME-30A AN/USM-207 POMONA 2BC-BNC-36 ZM-16/U POMONA AL-B-24 RN65D1500F	6625-823-5359 6625-893-4737 6625-911-6368 6625-900-4276 6625-669-0266 5905-978-7095	
5 6 7 8 9 10 11 12 13 14 15	O,F,H 0,F,H 0,H H H H	AC VTVM COUNTER, FREQUENCY CABLE, TEST RESISTOR, DECADE CABLE, TEST RESISTOR, 150-OHMS, ½ W, 1% CABLE, TEST	ME-30A AN/USM-207 POMONA 2BC-BNC-36 ZM-16/U POMONA AL-B-24 RN65D1500F	6625-893-4737 6625-911-6368 6625-900-4276 6625-669-0266 5905-978-7095	
7 8 9 10 11 12 13 14 15	0,F,H 0,H H H H	COUNTER, FREQUENCY CABLE, TEST RESISTOR, DECADE CABLE, TEST RESISTOR, 150-OHMS, ½ W, 1% CABLE, TEST	AN/USM-207 POMONA 2BC-BNC-36 ZM-16/U POMONA AL-B-24 RN65D1500F	6625-911-6368 6625-900-4276 6625-669-0266 5905-978-7095	
16 17 18	H H O O H H	CABLE, TEST TEST ADAPTER RESISTOR, 604-OHMS,1/2 1W, 1% CABLE, TEST RESISTOR, 910-OHMS, ½ W, 5% RESISTOR, 200-OHMS, ½ W, 1%	RC20GF1O3J POMONA 1166-24-RED PHILCO-FORD QR9848-8 RN70D6040F POMONA 2BC-MG-36 RC20GF911J RN65D2000F	5905-107-6530 6625-764-2934 5905-984-3221 6625-936-6290 5905-279-3509 5905-857-6107	
19	н	IMPEDANCE BRIDGE	AN/URM-90	6625-534-7458	
20 21	O,F H	TOOL KIT, ELECTRONIC EQUIPMENT TOOL KIT, ELECTRONIC EQUIPMENT	TK-105/G TK-100/G	5180-610-8177 5180-605-0079	

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SECTION III MAINTENANCE ALLOCATION CHART (ORDER WIRE UNIT, EPRESS-LINK-LOCAL, TA-923/FSC)

(1)	(2)		M	AINT				(3)	TION ((4)	(5)
GROUP	FUNCTIONAL GROUP		1		MA	INTE	NAN	ICE F	UNCT	IONS	3		TOOLS AND	REMARKS
NUMBER	COMPONENT ASSEMBLY	INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD	EQUIPMENT	
01	ORDER WIRE UNIT, REMIOTE LINK TA-924/FSC PHILCO-FORD 6505-3823		0							O F			1,4,5 15 15	Replace lamps See Note 1 for all (F) level maintenance
0101	CALL DIRECTOR ASSEMBLY PHILCO-FORD 6505-3839		F							F			1,4,5 15	
010101	BUZZER ASSEMBLY PHILCO-FORD 6505-3835		F							F			1 15	
01010101	BUZZER MALLORY SC24								F				15	
010102	CALL DIRECTOR STROMBERG CARLSON 703016-506		F							F			1 15	
01010201	NETWORK NORTHERN ELECTRIC CO QNB3A4		Н						F				14 15	
01010202	DIAL ASSEMBLY STROMBERG CARLSON 200054-221		Н										1,2 4,5 6, 9 thru i3, 16	
01010203	KEY ASSEMBLY STROMBERG CARLSON 703016-509		Н						F F				15 1 15	
0102	PANEL ASSE MBLY ALLEN TEL PRODUCTS GB11671								F	F			1 15	
010201	HOOK SWITCH ALLEN TEL PRODUCTS AT810610J								F				15	
010202	AMPLIFIER WEBSTER ELECTRIC CO TLC410		Н						F				2 thru 8 15	
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SECTION II. MAINTENANCE ALLOCATION CHART (ORDER WIRE UNIT, EPRESS-LINK-LOCAL, TA-923/FSC)

(1)	(2)		IVI	AINI				(3)	TION ((4)	(5)
GROUP NUMBER	FUNCTIONAL GROUP COMPONENT ASSEMBLY				MA	INTE	<u> INAN</u>	NCE F	UNCT	IONS	S		TOOLS AND EQUIPMENT	REMARKS
		INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD		
010203	TA-924/FSC CONT' D) SPEAKER QUAM 30C25								F				15	
0103	HANDSET AUDIO SEARS CORP NC1800-03GAR05T4		0						0	Н			15 16	
0104	HEADSET AUDIO SEARS C3RP 1574-5								0	Н			16	
	NOTE 1: Direct Support (F) level maintenance operations for fixed plant equipment located OCONUS will be performed by off site (Area Maint. and Supply Facility, AMSF) personnel.													

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TABLE 1: TOLL AND TEST EQUIPMENT REQUIREMENTS (ORDER WIRE UNIT, EXPRESS-LINK-LOCAL, TA-923/FSC)

		TOOLS AND TEST EQUIPMI	ENT REQUIREMENTS	·	,
TOOLS AND EQUPMENT	MAINTENANCE CATEGORY	NOMENCLA	TURE	FEDERAL STOCK NUMBER	TOOL NUMBER
1	0,F,H	TA-924/FSC (CONT' D) MULTIIETER	AN/USM-210	6625-019-0815	
2	Н	POWER SUPPLY	HP6206B	6625-823-5359	
3	н	GENERATOR, SIGNAL	AN/USM-205	6625-788-9672	
4	O,F,H	AC VTVM	ME-30A	6625-893-4737	
5	O,F,H	COUNTER, FREQUENCY	AN/USM-207	6625-911-6368	
6	н	CABLE, TEST	POMONA 2BC-BNC-36	3625-900-4276	
7 8 9	H H H	RESISTOR, 8-OHMS, 3W TEST ADAPTER CABLE, TEST	RW79U8R25F PHILCO-FORD QR 9848-7 POMONA AL-B-24	5905-872-9109	
10	н	CABLE, TEST	POMONA 2BB-AL-30	6625-866-4509	
11 12 13	Н Н Н	TEST ADAPTER RESISTOR, 910-OHMS, ½ W, 5% RESISTOR, 200-OHMS, ½ W, 1%	PHILCO-FORD QR9848-8 RC20GF911J RN65D2000F	5905-279-3509 5905-857-6107	
14 15	H O,F	IMPEDANCE BRIDGE TOOL KIT, ELECTRONIC EQUIPMENT	AN/URM-90 TK-105/G	6625-534-7458 5180-610-8177	
16	н	TOOL KIT, ELECTRONIC EQUIPMENT	TK-100/G	5180-605-0079	
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SECTION IV MAINTENANCE ALLOCATION CHART (ORDER WIRE UNIT, EPRESS-LINK-LOCAL, TA-923/FSC)

	SECTION IV MAINTENANCI						•		TION (
(1) GROUP	(2) FUNCTIONAL GROUP		1					(3)	UNC			ı	(4) TOOLS AND	(5) REMARKS
NUMBER	COMPONENT ASSEMBLY	INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD	EQUIPMENT	
101	ORDER WIRE UNIT, LINK TA-925/FSC PHILCO-FORD 6505-3822		0		0					0 F			1,6,7,8, 18,19 6,7,8,18, 19,23 23 23	Adjust SF oscillator frequency and level Replace lamps See Note 1 for all (F) level maintenance
0101	CALL DIRECTOR ASSEMBLY PHILCO-FORD 6505-3838		F							F			1,6,7,8, 18,19 23	
010101	SF OSCILLATOR-BUZZER ASSEMBLY PHILCO-FORD 6505-3834		F						F				1,6,7,8, 18,19 23	
01010101	SF OSCILLATOR RAVEN ELECTRONICS CORP 49009-01								F	Н			1,3,4,6,7 8,11,12, 13,14 23 24	
01010102	BUZZER MALLORY SC24								F				23	
010102	CALL DIRECTOR STROMBERG CARLSON 703016-754		F							F			1 23	
01010201 01010202	NETWORK NORTHERN ELECTRIC CO QNB3A4 DIAL ASSEMBLY STROMBERG CARLSON 200054-221		н						F				22 23 1,4,6,7,8, 12,14,17,20, 21 23	
01010203	KEY ASSEMBLY STROMBERG CARLSON 703016-509		н						F				1 23	

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SECTION II. MAINTENANCE ALLOCATION CHART (ORDER WIRE UNIT, EPRESS-LINK-LOCAL, TA-923/FSC)

	SECTION II. MAINTENANCE						•		TION (•			
(1)	(2)							(3)					(4)	(5)
GROUP NUMBER	FUNCTIONAL GROUP COMPONENT ASSEMBLY				MA	INTE	ENAN	ICE F	UNC	rions	S 		TOOLS AND EQUIPMENT	REMARKS
NOMBER	COM CHENT ACCEMBET	INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD	EQUI MENT	
	TA-925/FSC (CONT'D)													
01010204	KEY ASSEMBLY STRONGBERG CARLSON 703016-511		Н						F				1 23	
0102	PANEL ASSEMBLY ALLEN TEL PRODUCTS GB11670		F							F			1 23	
010201	DIAL ASSEMBLY ITT 3300G450		Н						F				2,4,12, 15,16 23	
010202	HOOKSWITCH ALLEN TEL PRODUCTS AT810610W								F				23	
010203	AMPLIFIER WEBSTER ELECTRIC CO. TLC410		Н						F				4 thru 10, 24 23	
010204	SPEAKER QUAM 30C25								F				13	
0103	HANDSET AUDIO SEARS CORP. NC1800-03GR05T4		0						0	Н			23 24	
0104	HEADSET AUDIO SEARS CORP. 1574-5								0	Н			24	
	NOTE 1: Direct Support (F) level maintenance operations for fixed plant equipment located OCONUS will be performed by off site (Area Maint. and Supply Facility, AMSF) personne	I .												
														ESC-FM 97-66

TABLE 1: TOLL AND TEST EQUIPMENT REQUIREMENTS (ORDER WIRE UNIT, EXPRESS-LINK-LOCAL, TA-923/FSC)

TOOLS AND EQUPMENT	MAINTENANCE CATEGORY	NOMENCL	ATURE	FEDERAL STOCK NUMBER	TOOL NUMBER
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	O,F,H H H H O,F,H O,F,H H H H H H H H H H H H H H H H H H H	TA-925/FSC MULTIMETER OSCILLOSCOPE TPRANSISTOR TESTER POWER SUPPLY GENERATOR,SIGNAL AC VTVM COUNTER,FREQUENCY CABLE,TEST RESISTOR,8-OHMS, 3W TEST ADAPTER RESISTOR,150-OHMS, 1/2 W, 1% CABLE,TEST RESISTOR,10K-OHMS, 1/2 W, 5% CABLE,TEST TEST ADAPTER RESISTOR,604-OHMS, 1/2 W, 1% CABLE,TEST RESISTOR,604-OHMS, 1/2 W, 5% CABLE,TEST RESISTOR,910-OHMS, 1/2 W, 5%	AN/USM-210 AN/USM-281A TS-1836 HP 6206B AN/USM-205 ME-30A AN/USM-207 POMONA 2BC-BNC-36 RW79U8R25F PHILCO-FORD QR9848-7 ZM-16/U POMONA AL-B-24 RN65D1500F POMONA 2BB-AL-30 RC20GF103J POMONA 1166-24-RED PHILCO-FORD QR9848-8 RN70D6040F POMONA 2BC-MG-36 RC20GF911J	6625-019-0815 6625-228-2201 6625-893-2628 6625-823-5359 6625-788-9672 6625-893-4737 6625-911-6368 6625-900-4276 5905-872-9109 6625-669-0266 5905-978-7095 6625-866-4509 5905-107-6530 6625-764-2934 5905-984-3221 6625-936-6290 5905-279-3509	

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TABLE 1: TOLL AND TEST EQUIPMENT REQUIREMENTS (ORDER WIRE UNIT, EXPRESS-LINK-LOCAL, TA-923/FSC)

TOOLS AND EQUPMENT	MAINTENANCE CATEGORY	NOMENCLA	TURE	FEDERAL STOCK NUMBER	TOOL NUMBER
21 22 23 24	H H O,F H	TA-925/FSC (CONT'D) RESISTOR,200-OHMS, 1/2W, 1% IMPEDANCE BRIDGE TOOL KIT,ELECTRONIC EQUIPMENT TOOL KIT,ELECTRONIC EQUIPMENT	RN65D2000F AN/URM-90 TK-105/G TK-100/G	5905-857-6107 6625-534-7458 5180-610-8177 5180-605-0079	

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SECTION V MAINTENANCE ALLOCATION CHART (ORDER WIRE UNIT, EPRESS-LINK-LOCAL, TA-923/FSC)

(1) GROUP	(2) FUNCTIONAL GROUP				MA	INTE	NAN	(3) ICE F	UNCT	IONS	3		(4) TOOLS AND	(5) REMARKS
NUMBER	COMPONENT ASSEMBLY												EQUIPMENT	
		INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD		
01	ORDER WIRE UNIT,EXPRESS-LINK-LOCAL TA-928/FSC PHILCO-FORD 6505-3820		0		0					O F			1,6,7,8, 16,17 6,7,8,16, 17,21 21 21	Adjust SF oscillator frequency and level Replace lamps See Note 1 for all (F) level maintenance
0101	CALL DIRECTOR ASSEMBLY PHIIO-FORD 6505-3837		F							F			1,6,7,8, 16,17 21	level maintenance
010101	SF OSCILLATOR-BUZZER ASSEMBLY PHILCO-FORD 6505-3834		F							, E			1,6,7,8, 16,17 21	
01010101	SF OSCILLATOR RAVEN ELECTRONICS CORP 49009-01		Н						F	Н			1,3,4,6,7, 8,9 thru 12 21 22	
01010102	BUZZER MALLORY SC24								F				21	
010102	CALL DIRECTOR STROYBERG CARLSON 703016-507		F							F			1 21	
01010201	NETWORK NORTHERN ELECTRIC CO QNB3A4		Н						F				20 21	
01010202	DIAL ASSEMBLY STROMBERG CARLSON 200054-221		Н						F				1,4,6,7,8, 10,15,18,19 21	
01010203	KEY ASSEMBLY STROMBERG CARLSON 703016-509		Н						F				1 21	
01010204	KEY ASSEMBLY STROMBERG CARLSON 703016-510		Н						F				1 21	
SEL-MR fo	prm													ESC-FM 97-66

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SECTION II. MAINTENANCE ALLOCATION CHART (ORDER WIRE UNIT, EPRESS-LINK-LOCAL, TA-923/FSC)

							-		TION (-LINK-LUCAL, TA-923		
(1) GROUP	(2) FUNCTIONAL GROUP				MΑ	INTE	NAN	(3) NCE F	UNCT	IONS	6		(4) TOOLS AND	(5) REMAR	KS
NUMBER	COMPONENT ASSEMBLY												EQUIPMENT		
		INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD			
	TA-928/FSC (CONT'D)														
01010205	HOOKSWITCH STROXBERG CARLSON 703016-639								F				21		
0102	ROTARY DIAL MOUNTING ALLEN TEL PRODUCTS GB11767									F			21		
010201	DIAL ASSEMBLY ITT 3300G450		Н						F				2,4,10, 13,14 21		
0103	SPEAKER ASSEMBLY		н						F				1,3 thru 8, 21		
0104	HANDSET AUDIO SEARS CORP NC1800-03GARI15T4	ļ	0						0	Н			21 22		
0105	HEADSET AUDIO SEARS CORP 1574-5								0	Н			22		
ISEL-MR fo	NOTE 1: Direct Support (F) level maintenance operations for fixed plant equipment located OCONUS will be performed by Off Site (Area Maint. and Supply Facility, AMSF) personnel.														

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TABLE 1: TOLL AND TEST EQUIPMENT REQUIREMENTS (ORDER WIRE UNIT, EXPRESS-LINK-LOCAL, TA-923/FSC)

TOOLS AND EQUPMENT	MAINTENANCE CATEGORY	NOMENCI	FEDERAL STOCK NUMBER	TOOL NUMBER	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	O,F,H H H H O,F,H O,F,H O,H H H H H H H H H H H H H	TA-928/FSC (CONT'D) MULTIMETER OSCILLOSCOP-' TRANSISTOR TESTER POWER SUPPLY GENERATOR, SIGNAL AC VTVM COUNTER, FREQUENCY CABLSE, TEST RESISTOR, DECADE CABLE, TEST RESISTO-1, 150-OHMS, 1/2W, 1% CABLE, TEST RESISTOR, 10 K-OHMS, 1/2W, 5% CABLE, TEST TEST ADAPTER RESISTOR, 604-OHMS, 1/2W, 1% CABLE, TEST RESISTOR, 910-OHMS, 1/2W, 5% RESISTOR, 200-OHMS, 1/2W, 1% IMPEDANCE BRIDGE	AN/USM-210 AN/USM-281A TS-1836 HP 6206B AN/USM-205 W30A AN/USM-207 POMO.NA 2BC-BNC-36 ZIM-16/U POMONA AL-B-24 RN65D1500F POMONA 2BB-AL-30 RC20GF103J POMONA 1166-24-RED PHILCO-[FORD 2R9848-8 RN7OD6040F POMONA 2BC-MG-36 RC20GF911J RN65D2000F AN/URM-90	6625-019-0815 6625-228-2201 6625-893-2628 6625-823-5359 6625-788-9672 6625-893-4737 6625-911-6368 6625-900-4276 6625-669-0266 5905-978-7095 6625-866-4509 5905-107-6530 6625-764-2934 5905-984-3221 6625-936-6290 5905-279-3509 5905-857-6107 6625-534-7458	
MSEL-MR form				ESC	-FM 97-66

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TABLE 1: TOLL AND TEST EQUIPMENT REQUIREMENTS (ORDER WIRE UNIT, EXPRESS-LINK-LOCAL, TA-923/FSC)

TOOLS AND EQUPMENT	MAINTENANCE CATEGORY	NOMENCLA	TURE	FEDERAL STOCK NUMBER	TOOL NUMBER
21	O,F	TA-928/FSC (CONT'D) TOOL KIT,ELECTRONIC EQUIPMENT	TK-105/G	5180-610-8177	
22	н	TOOL KIT, ELECTRONIC EQUIPMENT	TK-100/G	5180-605-0079	

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SECTION VI MAINTENANCE ALLOCATION CHART (ORDER WIRE UNIT, EPRESS-LINK-LOCAL, TA-923/FSC)

NUMBER COMPONENT ASSEMBLY O1 ORDERWIRE INTERCOMIMUNICATION TERMINATI ON UNIT TA-918 (V) 1/FSC THRU TA-918 (V) 8/FSC PHILCO-FORD 6505-3824 O2 O3 O4 O5	MAINTENANCE ALLOCATION CHART														
ORDERWIRE INTERCOMIMUNICATION TERMINATI ON UNIT TA-918 (V) 1/FSC THRU TA-918 (V) 8/FSC PHILCO-FORD 6505-3824 O			(3)							FUNC ⁻		(5) REMARKS			
01 ORDERWIRE INTERCOMIMUNICATION TERMINATI ON UNIT TA-918 (V) 1/FSC THRU TA-918 (V) 8/FSC PHILCO-FORD 6505-3824												• • • • • • • • • • • • • • • • • • •			
TERMINATI ON UNIT TA-918 (V) 1/FSC THRU TA-918 (V) 8/FSC F O O O O O O O O O			INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD		
0101 PANEL,FUSE SB-3751/FSC GRM 12734-1 0102 PC CARD RACK ASSEMBLY TELTRONICS INC. LCC9740 010201 LINE CARD TELTRONICS INC. LC401-4 010202 INTERRUPTER ASSEMBLY TELTRONICS INC INT9740 0103 COMMON EQUIPMENT SHELF RAVEN ELECTRONICS CORP 41010-96 0 H	01	TERMINATI ON UNIT TA-918 (V) 1/FSC THRU TA-918 (V) 8/FSC				0					_			1,3 1,3 15,16, 17,20,29 thru 32 13	Module replacement Intrarack components and
TELTRONICS INC. LCC9740	0101	SB-3751/FSC		0						0	Н			43	wiring
010201 LINE CARD TELTRONICS INC. LC401-4 010202 INTERRUPTER ASSEMBLY TELTRONICS INC INT9740 0 H 1,2,4,5,11, 12,23,35 0 H 2,4,5,11, 12,23,35 0 H 3,2,4,5,12, 23,35 0 H 44 1,2,4,5,12, 23,35	0102			O F		0				_				1	Audible signal level
010202 INTERRUPTER ASSEMBLY TELTRONICS INC INT9740 H 1,2,4,5,12, 23,35 0103 COMMON EQUIPMENT SHELF 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	010201			Н										1,2,4,5,11, 12,23,35	
0103 COMMON EQUIPMENT SHELF 0 1 1 1 1 1 1 1	010202			Н						0				1,2,4,5,12, 23,35	
	0103													1 1	

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SECTION VI MAINTENANCE ALLOCATION CHART (ORDER WIRE UNIT, EPRESS-LINK-LOCAL, TA-923/FSC)

	SECTION VI MAINTENANCE ALLOCATION CHART (ORDER WIRE UNIT, EPRESS-LINK-LOCAL, TA-923/FSC) MAINTENANCE ALLOCATION CHART														
(1)	(2)		M	AINT	<u>ENA</u>	NCE	ALL	(3)	HON (JHAR	<u> </u>		(4)	I	(5)
GROUP	FUNCTIONAL GROUP				MA	INTE	NAN		UNC	TIONS	3		TOOLS AND	RE	MARKS
NUMBER	COMPONENT ASSEMBLY												EQUIPMENT		
		INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD			
	TA-918 (V) 1/FSC THRU TA-918 (V) 8/FSC (CONT 'D)														
010301	DTMF TONE RECEIVER RAVEN ELECTRONICS CORP 40452-01		Н						0				1 thru 5,7, 14,17,19,25 33,39		
									Ū	Н			44		
010302	DIGIT DECODER RAVEN ELECTRONICS CORP 40451-04		Н						0				1,2,4,5,9, 12,18,25, 34,36,39,41		
									0	Н			44		
010303	SF DETECTOR AND OSCILLATOR RAVEN ELECTRONICS CORP 41063-02		Н										1 thru 9, 13,14,17, 19,20,25, 26,27,28, 36,37,38, 45		
									0	Н			44		
010304	4W/2W HYBRID MODULE RAVEN ELECTRONICS CORP 49008-01		Н							••			2 thru 5, 12,13,21, 25		
									0	Н			44		
010305	4W/2W HYBRID MODULE WITH 2.7 KHZI L. P. FIILTER RAVEN ELECTRONICS CORP 49008-02		Н						0				1 thru 5,7, 12,13,14, 17,19,25, 45		
AMSEL-MR fo) prm		Н						J				44	ESC-FM	97-66

SECTION VI MAINTENANCE ALLOCATION CHART (ORDER WIRE UNIT, EPRESS-LINK-LOCAL, TA-923/FSC)

(1) GROUP	(2) FUNCTIONAL GROUP		IVI	AINI				(3)	TION ((4) TOOLS AND EQUIPMENT	(5) REMARKS
NUMBER	COMPONENT ASSEMBLY	INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD		
	TA-918(V)1/FSC THRU TA-918(V)8/FSC (CONT'D)													
010306	SF DETECTOR RAVEN ELECTRONICS CORP 41063-01		Н						0				1 thru 9, 13,17,19, 21,25,36	
010307	DC/DC POWER SUPPLY RAVEN ELECTRONICS CORP 41028-01		Н								Н		44 1,4,5,10, 17,18,22, 23,24,39,	
									0		н		40 44	
	NOTE 1: Direct Support (F) level maintenance operations for fixed plant equipment located OCONUS will be performed by off site (Area Maint. and Supply Facility, AMSF) personne	l.												
ISEL-MR f o	orm													ESC-FM 97-66

TABLE 1: TOLL AND TEST EQUIPMENT REQUIREMENTS (ORDER WIRE UNIT, EXPRESS-LINK-LOCAL, TA-923/FSC)

TOOLS AND EQUPMENT	MAINTENANCE CATEGORY	NOMENCL		FEDERAL STOCK NUMBER	TOOL NUMBER
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	O,F,H H O,F,H H H H H H H H H H H H O O,H H O,H	TA-918 (V) 1/FSC THRU TA-918 (V)8/FSC MULTIMETER OSCILLOSCOPE TEST SET, TELEPHONE/HP 3550B TRANSISTOR TESTER POWER SUPPLY GENERATOR, SIGNAL COUNTER, FREQUENCY AC VTVM MULTIMETER VOLTMETER, DIFFERENTIAL AUTOTRANSFORMER POWER SUPPLY RESISTOR, DECADE IMPEDANCE BRIDGE TRANSFORMER, LINE TEST CABLE TEST CABLE TEST CABLE ADAPTER TEST CABLE	C (CONT 'D) AN/USM-210 AN/USM-281A AN/USM-181(U) TS-1836 HP 6206B AN/USM-205 AN/USM-207 ME-30A ME-26A ME-202/U GR W20MT3A HP DPR-6255A ZM-16/U AN/URM-90 HP11005A LENKIIRT 664A POMONA 2BC-PP-36 POMONA 1296 HP 1100OA	6625-019-0815 6625-228-2201 6625-740-0344 6625-893-2628 6625-823-5359 6625-788-9672 6625-911-6368 6625-893-4737 6625-542-6407 6625-050-8686 5950-926-0472 6130-065-5811 6625-669-0266 6625-534-7458 6625-678-0343 5995-725-5846 6625-856-9738 4935-992-6162 5995-986-3323	

TABLE 1: TOLL AND TEST EQUIPMENT REQUIREMENTS (ORDER WIRE UNIT, EXPRESS-LINK-LOCAL, TA-923/FSC)

NOMENCLATURE TA-918 (V) 1/FSC THRU TA-918 (V) 8/FSC (CONT'D)									
	STOCK NUMBER 6625-764-2934 4931-739-4433 5905-984-3221 5905-899-8513 5940-194-3073 6625-803-2881 5935-280-1454 6150-403-8196 5905-190-8881 5930-112-4970 5940-938-5883 5940-938-2962 5905-076-3454	TOOL NUMBE							
	POMONA 1166-24-RED PHILCO-FORD QR9848-17 POMONA B-24-BLACK OHMIITE 1310 PHILCO-FORD QR9848-10 RN70D6040F POMONA MDP-R600 POMONA 3785-C-48 POMONA 2631 POMONA 2631 POMONA 2BC-BNC-60 UG-914/U POMONA BNC-E-84 RC20GF182J CUTLER-HAMMER 8680K1 PHILCFORD QR9885 POMONA 3832 POMONA 1437 RED POMONA 1437 BLK POMONA 3781-12	RUMBER SC (CONT'D) POMONA 1166-24-RED PHILCO-FORD QR9848-17 POMONA B-24-BLACK OHMIITE 1310 PHILCO-FORD QR9848-10 RN70D6040F POMONA MDP-R600 POMONA 3785-C-48 POMONA 2631 POMONA 2631 POMONA 2BC-BNC-60 UG-914/U POMONA BNC-E-84 RC20GF182J CUTLER-HAMMER 8680K1 PHILCFORD QR9885 POMONA 1437 RED POMONA 3781-12 S625-764-2934 P625-764-2934 P931-739-4433 F905-984-3221 F905-984-3221 F905-899-8513 F905-899-8513 F905-899-8513 F905-899-8513 F905-899-8513 F905-899-8513 F940-194-3073 F935-280-1454 F935-280-1454 F930-112-4970 F936-938-5883 F940-938-5883 F940-938-5883 F940-938-2962							

TABLE 1: TOLL AND TEST EQUIPMENT REQUIREMENTS (ORDER WIRE UNIT, EXPRESS-LINK-LOCAL, TA-923/FSC)

TOOLS AND EQUPMENT	MAINTENANCE CATEGORY	NOMENCLA		FEDERAL STOCK NUMBER	TOOL NUMBE
41 42 43 44 45	H H O,F H H	TA-918 (V) 1/FSC THRU TA-918 (V) 8/FSC RESISTOR,3300 OHMS,1/2W,,5% TEST ADAPTER TOOL KIT,ELECTRONIC EQUIPMENT TOOL KIT,ELECTRONIC EQUIPIENT CABLE	(CONT'D) RC20GF332J PHILCO-FORD .R9848-8 TK 105/G TK 100/G HP 11002A	5905-991-8596 5180-610-8177 5180-605-0079 6625-079-1426	

SECTION VII MAINTENANCE ALLOCATION CHART (ORDER WIRE UNIT, EPRESS-LINK-LOCAL, TA-923/FSC)

(1) GROUP	(2) FUNCTIONAL GROUP				MA	INTE	ENAN	(3) ICE F	UNC	TIONS	3		(4) TOOLS AND EQUIPMENT	(5) REMARKS
IUMBER	COMPONENT ASSEMBLY													
		INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD		
01	ORDERWIRE-INTERCOMIIIUNICATION TERMINATION UNIT TA-930(V)I/FSC and TA-930(V)2/FSC PHILCO-FORD, 6505-3825		O F		0					0 F			1,3 1,3 1,3,15,16, 17,20, 29 thru 32 43 43	Intrarack components and wiring. See Note 1 for all (F) level maintenance. Adjusts circuit cards No. 41028-01,41063-02,49008-0 49008-01,40472-03 Module replacement Intrarack components and wiring
0101	PANEL,FUSE SB-3751/FSC GRM 12734-1		0						0	Н			1 43 44	
0102	PC CARD RACK ASSEMBLY TELTRONICS INC LCC9740		O F		0					F			1 1 43	Shelf wiring and components Audible signal level
010201	LINE CARD TELTRONICS INC LC401-4		Н						0	Н			1,2,4,5,11, 12,23,35 44	
010202	INTERRUPTER ASSEMBLY TELTRONICS INC INT9740		Н						0	Н			1,2,4,5,12, 23,35 44	
0103	COMMON EQUIPMENT SHELF RAVEN ELECTRONICS CCRP 41010-96		O F							F			1 1 43	Shelf wiring and component

SECTION VII. MAINTENANCE ALLOCATION CHART (ORDER WIRE UNIT, EPRESS-LINK-LOCAL, TA-923/FSC)

(1) GROUP	(2) FUNCTIONAL GROUP		IVI	AINI				(3)	UNCT				(4) TOOLS AND	(5) REMARKS	
NUMBER	COMPONENT ASSEMBLY												EQUIPMENT		
		INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD			
010301	TA-930(V) 1/FSC AND TA-930(V)2/FSC (CONT'D) DTMF TONE RECEIVER RAVEN ELECTRONICS CORP. 40452-01		Н						0	Н			1 thru 5,7, 14,17,19, 25,33,39 44		
010302	DIGIT DECODER RAVEN ELECTRONICS CORP. 40451-04		Н						0	Н			1,2,4,5,9, 12,18,25, 34,36,39,41 44		
010303	SF DETECTOR AND OSCILLATOR RAVEN ELECTRONICS CORP 41063-02		Н										1 thru 9,13 14,17,19,20 25,26,27,28 36,37,38,45		
010304	4W/2W HYBRID MODULE		Н						0	Н			44 2 thru 5,		
	RAVEN ELECTRONICS CORP. 49009-01								0	Н			12,13,21,25 44		
010305	4W/2W HYBRID MODULE WITH 2.7 L. P. FILTER RAVEN ELECTRONICS CORP. 49008-02		Н						0				1 thru 5,7, 12,13,14, 17,19,25,45		
010306	SF DETECTOR RAVEN ELECTRONICS CORP. 41063-01		Н							Н			44 1 thru 9, 13,17,19, 21,25,36 0		
SEL-MR fo	orm									Н			44	ESC-FM	97-66

SECTION VII. MAINTENANCE ALLOCATION CHART (ORDER WIRE UNIT, EPRESS-LINK-LOCAL, TA-923/FSC)

	MAINTENANCE ALLOCATION CHART (2) (2) (2) (3) (5)													
(1) GROUP	(2) FUNCTIONAL GROUP				MA	INTE	ENAI	(3) NCE I	UNC	TIONS	S		(4) TOOLS AND	(5) REMARKS
NUMBER	COMPONENT ASSEMBLY						щ				J.	•	EQUIPMENT	
		INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD		
010307	TA-930(V)1/FSC AND TA-930(V)2/FSC (CONT'D) 4w/4w BRIDGE RAVEN ELECTRONICS CORP. 40455-03		Н						0	Н			1,3,25,26, 42,45 44	
010308	DUAL AMPLIFIER RAVEN ELECTRONICS CORP 40472-03		Н						0	Н			1 thru 5,8, 13,21,25 44	
010309	DC/DC POWER SUPPLY RAVEN ELECTRONICS CORP. 41028-01		Н						0	Н			1,4,5,10, 17,18,22, 23,24,39,40 44	
	NOTE 1: Direct Support (F) level maintenance operations for fixed plant equipment located OCONUS will be performed by off site (Area Maint. and Supply Facility, AMSF) personnel													
AMSEL-MR fo	arm													ESC-FM 97-66

TABLE 1: TOLL AND TEST EQUIPMENT REQUIREMENTS (ORDER WIRE UNIT, EXPRESS-LINK-LOCAL, TA-923/FSC)

1		TOOLS AND TEST EQUIP		·	
TOOLS AND EQUPMENT	MAINTENANCE CATEGORY	NOMENCL	ATURE	FEDERAL STOCK NUMBER	TOOL NUMBER
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	O,F,H H O,F,H H H H H H H H H H H H H H O,H	TA-930(V)1/FSC AND TA-930(V)2/FSC (CMULTIMETER OSCILLOSCOPE TEST SET,TELEPHONE/HP 3550B TRANSISTOR TESTER POWER SUPPLY GENERATOR,SIGNAL COUNTER,FREQUENCY AC VTVM MULTIMETER VOLTMMETER, DIFFERENTIAL AUTOTRLNSFORMER POWER SUPPLY RESISTOR,DECADE IMPEDANCE BRIDGE TRANSFORMER,LINE TEST CABLE TEST CABLE TEST CABLE ADAPRER TEST CABLE	AN/USM-210 AN/USM-281A AN/USM-181(U) TS-1836 HP 6206B AN/USM-205 AN/USM-207 ME-30A ME-26A ME-202/U GR W20MT3A HP DPR-6255A ZM-16/U AN/URM-90 HP 11005A LENIKURT 664A POMONA 23C-PP-36 POMONA AL-B-24 POMONA 1296 HP 11000A	6625-019-0815 6625-228-2201 6625-740-0344 6625-893-2628 6625-823-5359 6625-788-9672 6625-911-6368 6625-893-4737 6625-542-6407 6625-5050-8686 5950-926-0472 6130-065-5811 6625-669-0266 6625-534-7458 6625-678-0343 5995-725-5846 6625-856-9738 4935-992-6162 5995-986-3323	
ISEL-MR form				ESC	C-FM 97-66

TABLE 1: TOLL AND TEST EQUIPMENT REQUIREMENTS (ORDER WIRE UNIT, EXPRESS-LINK-LOCAL, TA-923/FSC)

TOOLS AND EQUPMENT	MAINTENANCE CATEGORY	NOMENC	LATURE	FEDERAL STOCK NUMBER	TOOL NUMBER
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	H H H H H H H O O O O H H H H H H H H H	TA-930(V) 1/FSC AND TA-930(V)2/FSC TEST CABLE TEST ADAPTER TEST CABLE RHEOSTAT,16-OHMS,750W ADAPTER RESISTCR,604-OIIS,1/2W,1% TERMINATION TEST CABLE ADAPTER TEST CABLE ADAPTER TEST CABLE RESISTOR,1800-OHMS,1/2W,5% SWITCH,TOGGLE,DPDT TEST ADAPTER ADAPTER ADAPTER ADAPTER ADAPTER CABLE RESISTOR,30-OHS, 50W,1%	POMONA 1166-24-RED PHILCO-FORD QR9848-17 POMONA B-24-BLACK OHMITE 1310 PHIILO-FORD QR9848-10 RN70D6040F POMONA MDP-R600 PODONA 3785-C-48 POMONA 2631 POMONA 2BC-BNC-60 UG-914/U POMONA BNC-E-84 RC20GF182J CUTER-HAMMER 8680K1 PHILCO-FO-RD QR9885 POMOXA 3832 POMONA 1437 RED POMONA 1437 BLK POMONA 3781-12 DALE RH-50	NUMBER 6625-764-2934 4931-739-4433 5905-984-3221 5905-899-8513 5940-194-3073 6625-803-2881 5935-280-1454 6150-403-8196 5905-190-8881 5930-112-4970 3940-938-5883 3940-938-2962 5905-076-3454	

TABLE 1: TOLL AND TEST EQUIPMENT REQUIREMENTS (ORDER WIRE UNIT, EXPRESS-LINK-LOCAL, TA-923/FSC)

	TOOLS AND TEST EQUIPMENT REQUIREMENTS													
TOOLS AND EQUPMENT	MAINTENANCE CATEGORY	NOMENCLA	TURE	FEDERAL STOCK NUMBER	TOOL NUMBER									
41 42 43 44 45	N H O,F H	TA-930(V)1/FSC AND TA-930(V)2/FSC (CC RESISTOR,3300 OHMS,1/2W,5% TEST ADAPTER TOOL KIT,ELECTRONIC EQUIPMENT TOOL KIT,ELECTRONIC EQUIPMENT CABLE		\$TOCK NUMBER 5905-991-R596 5180-610-8177 5180-605-0079 6625-079-1426	TOOL NUMBER									

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SECTION VIII MAINTENANCE ALLOCATION CHART (ORDER WIRE UNIT, EPRESS-LINK-LOCAL, TA-923/FSC)

	MAINTENANCE ALLOCATION CHART (1) MAINTENANCE ALLOCATION CHART													
(1) GROUP	(2) FUNCTIONAL GROUP				M.A	AINTE	ENAN	(3) ICE I	UNC	rions	3		(4) TOOLS AND	(5) REMARKS
NUMBER	COMPONENT ASSEMBLY												EQUIPMENT	
		INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD		
01	CONFERENCE BRIDGE, TELEPHONE TA-920(V)1/FSC RAVEN ELECTRONICS CORP. 40110-98		O F		0					O F			1,3,7 1,7 3,7,15 15,16,17,18	Level Check See Note 1 for all (F) level maintenance Gain adjust and strapping Replaces subassembly
0101	DUAL AMPLIFIER RAVEN ELECTRONICS CORP. 40172-03		н						0	Н			1 thru 5,8, 9,12,13 14	
0102	4WAY-4WIRE BRIDGE RAVEN ELECTRONICS CORP. 40155-03		Н						0	Н			1,3,6,9,10, 11 14	
02	CONFERENCE BRIDGE, TELEPHONE TA-920(V)2/FSC RAVEN ELECTRONICS CORP. 40110-99									''			14	Maintenance allocation for this unit is same as for TA-920 (V) 1/FSC
	NOTE 1: Direct Support (F) level maintenance operations for fixed plant equipment located OCONUS will be performed by off site (Area Maint. and Supply Facility, AMSF) personne	1												
							C-29	3						

TABLE 1: TOLL AND TEST EQUIPMENT REQUIREMENTS (ORDER WIRE UNIT, EXPRESS-LINK-LOCAL, TA-923/FSC)

		TOOLS AND TEST EQUI	1	, , ,	/
TOOLS AND EQUPMENT	MAINTENANCE CATEGORY	NOMENO	LATURE	FEDERAL STOCK NUMBER	TOOL NUMBER
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	O,F,H H O,H H H H H H H H F F F	TA-920(V)1/FSC AND TA-920(V)2/FSC (MULTIMETER OSCILLOSCOPE TEST SET,TELEPHONE/HP 3550B POWER SUPPLY RESISTOR,DECADE TEST CABLE TEST CABLE TEST CABLE ADAPTER RESISTOR,604-OHMS,1/2W,1% TEST ADAPTER TRANSISTOR TESTER AC VTVY TOOL KIT,ELECTRONIC EQUIPYENT TOOL KIT,ELECTRONIC EQUIPMENT WIREWRAP TOOL WRAPPING BIT WRAPPING SLEEVE	AN/USIC-210 AN/USM-281A AN/USM-181(U) HP 6206B ZM-16/U HP 11002A LENIURT 664A POMONA 1166-24-RED PHILCOFORD QR9848-10 RN70D6040F PHILCO-FORD QR9848-8 TS-1836 ME-30A TK-100/G TK-105/G GARDNER DENVER CO., 12AXA2-3 GARDNER DENVER CO., 18632 GARDNER DENVER CO., 18840	6625-019-0815 6625-228-2201 6625-740-0344 6625-823-5359 662 5-669-0266 6625-079-1426 5995-725-5846 6625-764-2934 5905-984-3221 6625-893-2628 6625-893-4737 5180-605-0079 5180-610-8177	
AMSEL-MR form				ESC	-FM 97-66

Section IX. Maintenance Allocation Chart (LOCAL ORDERWIRE, RAVEN 41010-97)

GROUP	COMPONENT ACCEMBLY		1		MA	INTE	NAN	ICE I	UNC	TIONS	S		TOOLS AND	REMARKS
NUMBER	COMPONENT ASSEMBLY NOMENCLATURE												EQUIPMENT	
		INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD		
01	LOCAL ORDERWIRE RAVEN ELECTRONICS CORP 41010-97		O F		0				0				1,3, 15 thru 18 1 1,3 15 thru 18, 37	Shelf wiring and components See Note 1 for all (F) level maintenance Level and power supply adjustment By card replacement
0101	POWER SUPPLY RAVEN ELECTRONICS CORP 41029-01		н		н				F O				37 1,2,4, 6 thru 10, 12,19,21,22, 38 1,2, 6 thru 10, 12,19,21,22, 38 37	
0102	SPEAKER AMPLIFIER RAVEN ELECTRONICS CORP. 41030-01		н		н				0	н			38 1,3,4,5,8, 11 thru 14, 20, 23 thru 25,38 1,3,5,8, 11 thru 14, 20, 23 thru 25,38 37 38	

	1		M	AINT	ENA	NCE	ALL	OCA	TION	CHAF	RT			
GROUP NUMBER	COMPONENT ASSEMBLY NOMENCLATURE				MA	INTE	ENAN	ICE I	FUNC	ΓΙΟΝ	S 		TOOLS AND EQUIPMENT	REMARKS
		INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD		
0103	RAVEN 41010-97 (CONT'D) SF DETECTOR AND OSCILLATOR RAVEN ELECTRONICS CORP. 41063-02		н			н			0	Н			1 thru 5,8, 9,12,13,14, 26 thru 36, 38 1,2,3,5,8, 9,12,13,14, 26,27,28, 30 thru 36, 38 37 38	
	NOTE 1: Direct Support (F) level maintenance operations for fixed plant equipment located OCONUS will be performed by off site (Area Maint. and Supply Facility, AMSF) personnel													

TABLE I. TOOL AND TEST EQUIPMENT REQUIREMENTS (LOCAL ORDERWIRE, RAVEN 41010-97)

		TOOLS AND TEST EQUIP	MENT REQUIREMENTS		
TOOLS AND EQUPMENT	MAINTENANCE CATEGORY	NOMENCL	ATURE	FEDERAL STOCK NUMBER	TOOL NUMBER
1	O,F,H	RAVEN 41010-97 (CONT'D) MUILTIMETER	AN/USI-210	6625-019-0815	
2 3	Н О,Н	OSCILLOSCOPE TEST SET,TELEPHONE/HP 3550B	AN/USNI-281A AN/USM-181(U)	6625-228-2201 6625-740-0344	
4	н	TRANSISTOR TESTER	TS-1836	6625-893-2628	
5 6 7 8	H H H	POWER SUPPLY VOLTMETER ,DIFFERENT IAL AUTOTRANSFORMER RESISTOR,DECADE	HP6206B ME-202/U GR W20MT3A ZM-16/U	6625-823-5359 6625-050-8686 5950-926-0472 6625-669-0266	
9	н	TEST CABLE	POMONA 2BC-PP-36	6625-856-9738	
10	н	TEST CABLE	POMONA AL-B-24		
11	н	TEST CABLE	POMOXA 2BB-AL-30	6625-866-4509	
12	н	TEST CABLE	POMONA 116-6-24-RED	6625-764-2934	
13 14 15	H H 0	ADAPTER RESISTOR,604-OHMS,1/2W,1% ADAPTER	PHILCO-FORD QR9848-10 RN70D6040F POMONA 2631	5905-984-3221 5940-194-3073	
16	0	TEST CABLE	POMONA 2BC-BNC-60	6625-803-2881	
17	0	ADAPTER	UG-914/U	5935-280-1454	
18	0	TEST CABLE	POMONA BNC-E-84	6150-403-8196	
19	н	TEST ADAPTER	PHILCO-FORD QR9848-9		
20	н	CABLE	POMONA 3781-12		
MSEL-MR Form	ersedes edition of 1 Fe	b 65, which is obsolete) C-33			ESC-FM 97-66

TABLE I. TOOL AND TEST REQUIREMENTS (LOCAL ORDERWIRE, RAVEN 41010-97)

		TOOLS AND TEST EQUIPMI	ENT REQUIREMENTS		
TOOLS AND EQUPMENT	MAINTENANCE CATEGORY	NOMENCLA	FEDERAL STOCK NUMBER	TOOL NUMBER	
21 22 23 24	Н Н Н	RAVEN 41010-97 (CON 'D) RESISTOR,30-OHMS,50W,1% RESISTOR,60-OHMS,25W,1% HANDSET TEST ADAPTER	DALE RH-50 DALE RH-25 RAVEN 5505-0101 PHILCO-FORD QR9848-6	5905-076-3454 5905-043-1261	
25 26 27	Н Н Н	CAPACITOR,0.25 MICROFARAD,200V GENERATOR,SIGNAL COUNTER,FREQUENCY	SPRAGUE 2TMP25 AN/USM-205 AN/USM-207	5910-021-1329 6625-788-9672 6625-911-6368	
28	н	AC VTVM	ME-30A	6625-893-4737	
29	н	IMPEDANCE BRIDGE	AN/URM-90	6625-534-7458	
30	н	ADAPTER	POMONA 1296	4935-992-6162	
31	н	TEST CABLE	HP 11000A	5995-986-3323	
32	н	TERMINATION	POMDNA MDP-R600	5905-899-8513	
33	н	TEST CABLE	POMONA 3785-C-48		
34	н	ADAPTER	POMONA 3832		
35	н	ADAPTER	POMONA 1437 RED	3940-938-5883	
36 37 38	H O,F H	ADAPTER TOOL KIT,ELECTRONIC EQUIPMENT TOOL KIT,ELECTRONIC EQUIPMENT	POMONA 1437 BLK TK-105/G TK-100/G	3940-938-2962 5180-610-8177 5180-605-0079	
MSEL-MR Form		sh 65 which is obsolete) C-34			ESC-FM 97-66

Section X Maintenance Allocation Chart (LOCAL ORDERWIRE, RAVEN 41010-97)

				MAI	NTE	NAN	CE A	LLO	CATIO	N CH	IART			
(1) GROUP	(2)				M.A	INTE	ENAN	(3) NCE F	UNC	TIONS	3		(4) TOOLS AND	(5) REMARKS
NUMBER	COMPONENT ASSEMBLY NOMENCLATURE												EQUIPMENT	
		ECT	TEST	SERVICE	JST	NS	CALIBRATE	ALL	REPLACE	REPAIR	OVERHAUL	REBUILD		
		INSPECT	P	SER	ADJUST	ALIGN	CALIE	INSTALL	REPI	REF	OVE	REB		
01	PANEL ASSEMBLY CB2		F										1	
02	PANEL ASSEMBLY CB1		F						F				1	
	EFE 9740 CB1								F				2	
AMSEL-MR For							25							ESC-FM 97-66

¹ Jan 66 6031 (Supersedes edition of 1 Feb 65, which is obsolete)

	TABLE I. T	OOLS AND TEST EQUIPMENT REQUIREMENTS (PANEL AS	SEMBLY CB1 AND CB2)	
TOOLS AND EQUPMENT	MAINTENANCE CATEGORY	NOMENCLATURE	FEDERAL STOCK NUMBER	TOOL NUMBER
1 2	F	MULTIMETER AN/USM-210 TOOL KIT, EZECTRONIC EQUIPMENT TK-105/G	6625-019-'815 5180-610-8177	
MSEL-MR Form		th 65, which is obsolete) C-36		ESC-FM 97-6

Section XI. Maintenance Allocation Chart (JACK AND LAMP PANEL, EFE 803101)

(1)	(2)							(3)					(4) TOOLS AND	(5)
GROUP NUMBER	COMPONENT ASSEMBLY NOMENCLATURE				M.A	INTE	NAN	ICE I	UNCT	IONS	5		TOOLS AND EQUIPMENT	REMARKS
		INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD		
01	JACK AND LAMP PANEL EFE 803101		0							0			1 2	

TABLE I. TOOL AND TEST EQUIPMENT REQUIREMENTS (JACK AND LAMP PANEL, EFE 803101)

		TOOLS AND TEST EQUIPME	ENT REQUIREMENTS		
TOOLS AND EQUPMENT	MAINTENANCE CATEGORY	NOMENCLA	FEDERAL STOCK NUMBER	TOOL NUMBER	
		EFE 803101 (CONT'D)			
1	0	MULTIMETER	AN/USM-210	6625-019-0815	
2	0	TOOL KIT, ELECTRONIC EQUIPMENT	TK-105/G	5180-610-8177	
AMSEL-MR Form 1 Jan 66 6031 (Sup	ersedes edition of 1 Fe	eb 65, which is obsolete)			ESC-FM 97-66

APPENDIX D

CABINET HARNESS WIRING LIST

	FUSE PANEL TB1-1 TB1-2 TB1-3 TB1-4 TB1-5 TB1-6 TB1-7 TB1-8	(SH3) TB1-B2 (SH3) TB1-B3 (SH3) TB1-B4 (SH3) TB1-B5 (SH3) TB1-B6 (SH3) TB1-B6	PAIR/COLOR T WIRING HARN BLACK BLACK BLACK BLACK BLACK BLACK BLACK	DTMF 1 LAMP (F1) DTMF 2 LAMP (F2) DTMF 3 LAMP (F3) DTMF 4 LAMP (F4)
2 3 4 5 6 7 8 9	TB1-1 TB1-2 TB1-3 TB1-4 TB1-5 TB1-6 TB1-7 TB1-8	(SH3) TB1-B2 (SH3) TB1-B3 (SH3) TB1-B4 (SH3) TB1-B5 (SH3) TB1-B6 CKA K7 - 2L	BLACK BLACK BLACK BLACK	DTMF 1 LAMP (F1) DTMF 2 LAMP (F2) DTMF 3 LAMP (F3)
2 3 4 5 6 7 8 9	TB1-1 TB1-2 TB1-3 TB1-4 TB1-5 TB1-6 TB1-7 TB1-8	(SH3) TB1-B3 (SH3) TB1-B4 (SH3) TB1-B5 (SH3) TB1-B6 CKA K7 - 2L	BLACK BLACK BLACK	DTMF 2 LAMP (F2) DTMF 3 LAMP (F3)
2 3 4 5 6 7 8 9	TB1-2 TB1-3 TB1-4 TB1-5 TB1-6 TB1-7 TB1-8	(SH3) TB1-B3 (SH3) TB1-B4 (SH3) TB1-B5 (SH3) TB1-B6 CKA K7 - 2L	BLACK BLACK BLACK	DTMF 2 LAMP (F2) DTMF 3 LAMP (F3)
3 4 5 6 7 8 9	TB1-3 TB1-4 TB1-5 TB1-6 TB1-7 TB1-8	(SH3) TB1-B4 (SH3) TB1-B5 (SH3) TB1-B6 CKA K7 - 2L	BLACK BLACK	DTMF 3 LAMP (F3)
4 5 6 7 8 9	TB1-4 TB1-5 TB1-6 TB1-7 TB1-8	(SH3) TB1-B5 (SH3) TB1-B6 CKA K7 - 2L	BLACK	• •
5 6 7 8 9	TB1-5 TB1-6 TB1-7 TB1-8	(SH3) TB1-B6 CKA K7 - 2L	L	DTMF 4 LAMP (F4)
6 7 8 9 10	TB1-6 TB1-7 TB1-8	CKA K7 - 2L	BLACK	• • •
7 8 9 10	TB1-7 TB1-8		(DTMF 5 LAMP (F5)
8 9 10	TB1- 8	OTP 4	BLACK	E&M 1 LAMP (F6)
9		CKA K8 - 2L	BLACK	E&M 2 LAMP (F7)
10	FRENCE 1	CKA K9 - 2L	BLACK	E&M 3 LAMP (F8)
	T B1-9	CKA K10 - 2L	BLACK	E&M 4 LAMP (F9)
11 i	TB1-10	CKA K11 - 2L	BLACK	E&M 5 LAMP (F10)
	TB1-11	CKA K1 - 2L	BLACK	PBX LAMP (F11)
,	TB1-12	L/KA K1-8	BLACK	IC 1 LAMP (F12)
	TB1-13	L/KA K2-8	BLACK	IC 2 LAMP (F13)
	TB1-14	L/KA K3-8	BLACK	IC 3 LAMP (F14)
	TB1-15	LA L1-1	BLACK	DTMF 1 TB (F15)
	TB1-16	LA L2-1	BLACK	DTMF 2 TB (F16)
1	TB1-17	LA L3-1	BLACK	DTMF 3 TB (F17)
18	TB1-18	LA L4-1	BLACK	DTMF 4 TB (F18)
19	TB1-19	LA L5-1	BLACK	DTMF 5 TB (F19)
	TB1-20	LA L6-1	BLACK	E&M 1 TB (F20)
	TB3-21	LA L7-1	BLACK	E&M 2 TB (F21)
	TB3-22	LA L8-1	BLACK	E&M 3 TB (F22)
	TB3-23	LA L9-1	BLACK	E&M 4 TB (F23)
	TB3-24	LA L10-1	BLACK	E&M 5 TB (F24)
1	TB3-25	L/KA K1-6	BLACK	IC 1 TB (F25)
	TB3-26	L/KA K2-6	BLACK	IC 2 TB (F26)
1	TB3-27	L/KA K3-6	BLACK	IC 3 TB (F27)
1	TB2-15	LA L1-4	WHITE	LA L1 RETURN
	TB2-16	LA L2-4	WHITE	LA L2
	TB2-17	LA L3-4	WHITE	LA L3
- 1	TB2-18	LA L4-4	WHITE	LA L4
	TB2-19	LA L5-4	WHITE	LA L5
33	TB2-20	LA L6-4	WHITE	LA L6
-				
1	1	İ	1	

NO.	FROM	ТО	24 AWG PAIR/COLOR	FUNCTION
		COMMON EQUIPMENT	WIRING HARNESS	(Cont)
34	TB4-21	LA L7-4	WHITE	LA L7
35	TB4-22	LA L8-4	WHITE	LA L8
36	TB4-23	LA L9-4	WHITE	LA L9
37	TB4-24	LA L10-4	WHITE	LA L10
38	TB4-25	L/KA K1-1	WHITE	L/KA K1 RETURN
39	TB4-26	L/KA K2-1	WHITE	L/KA K2
40	TB4-27	L/KA K3-1	WHITE	L/KA K3
41	TB3-31	(SH2) J1-S	BLACK	C. EQ. SHELF (F28)
42	TB3-31	(SH2) J1-T	BLACK	C. EQ. SHELF (F28)
43	TB4-31	(SH2) J1-V	WHITE	C. EQ. SHELF
44	TB4-31	(SH2) J1-V	WHITE	C. EQ. SHELF
45	TB3-32	(SH3) TB3-1	BLACK	PC CARD RACK (F29)
46	TB3-32	(SH3) TB3-1	BLACK	PC CARD RACK (F29)
47	TB4-32	(SH3) TB3-2	WHITE	PC CARD RACK
48	TB4-32	(SH3) TB3-2	WHITE	PC CARD RACK
	TERM BLOCK	COMP BOARD		DTMF 4-WIRE
49	TB1-1A, 1B	CB2-8, 4		SD CKT 1 (LOW) NOTE 1
50	TB1-1C, 1D	CB2-18, 14		SD CKT 2 (LOW) NOTE 1
51	TB1-2C, 2D	CB2-7, 3		SD CKT 1 (LOW) NOTE 1
52	TB1-2E, 2F	CB2-17, 13		SD CKT 2 (LOW) NOTE 1
	TERM BLOCK	COMP BOARD		IC CKT
53	TB1-10A, 10B	CB2-28, 24		CKT 1 (LINE)
54	TB1-10C, 10D	CB2-38, 34		CKT 2
55	TB1-10E, 10F	CB2-48, 44		CKT 3
56	TB1-IIA, 11B	CB2-27, 23		CKT 1 (EQUIP)
57	TB1-11C, 11D	CB2-37, 33		CKT 2
58	TB1-11E, 11F	CB2-47, 43		CKT 3
	TERM BLOCK	L/KA		CKT CONT
59	TB1-23B, 23C	K1-9, 7		CKT 1 (LINE)
60	TB1-24B, 24C	K2-9, 7	İ	CKT 2 (LINE)
61	TB1-25B, 25C	K3-9, 7		CKT 3 (LINE)
62	TB1-23E	K1-10	İ	CKT 1A (EQUIP)
63	TB1-24E	K2-10	i	CKT 2A (EQUIP)
64	TB1-25E	K3-10		CKT 3A (EQUIP)

NO.	FROM	ТО	24 AWG PAIR/COLOR	FUNCTION
		COMMON EQUIPMENT	WIRING HARNESS	E (Cont)
	TERM BLOCK	CKA		CON CONT
65	TB1-5G	K1-3 (COIL)		OPERATE
66	TB1-5H	K1-2 (COIL)		RELEASE-
67	TB1-13E	K2-DIODES (ANO	DE)	CONT 1
68	TB1-14E	K3-DIODES (ANO	DE)	CONT 2
69	TB1-15E	K4-DIODES (ANO	DE)	CONT 3
70	TB1-16E	K5-DIODES (ANO	DE)	CONT 4
71	TB1-17E	K6-DIODES (ANO	DE)	CONT 5
	TERM BLOCK	CKA		CONF CONT
72	TB1-18E	K7-DIODES (ANO	DE)	CONT 1
73	TB1~19E	K8-DIODES (ANO	DE)	CONT 2
74	TB1-20E	K9-DIODES (ANO	DE)	CONT 3
75	TB1-21E	K10-DIODES (AN	ODE)	CONT 4
76	TB1-22E	K11-DIODES (AN	ODE)	CONT 5
	TERM BLOCK	CKA		CONF FLASH
77	TB1-18A	K7-5L DIODE (AN	IODE)	CKT 1
78	TB1-19A	K8-5L DIODE (AN	IODE)	CKT 2
79	TB1-20A	K9-5L DIODE (A)	IODE)	CKT 3
80	TB1-21A	K10-5L DIODE (A	NODE)	CKT 4
81	TB1-22A	K11-51 DIODE (A)	NODE)	CKT 5
- 1	TERM BLOCK	CKA		PBX CIRCUIT
82	TB1-12A, 12B	K1-2R, 5R		CKT 1
)	TERM BLOCK	CKA		CONF CONT
83	TB1-26E	K1-DIODES (ANO	DE)	CONT 1
	TERM BLOCK	CKA		CONF FLASH
84	TB1-26A	K1-5L DIODE (AN	IODE)	CKT 1
	TERM BLOCK	FUSE PANEL		
85	TB1-9G	TB1-1		JACK PANEL
86	TB1-11G	TB1-2		POWER
87	TB1-9H	TB2-1		
88	TB1-11H	TB2-2		

NO.	FROM	то	24 AWG PAIR/COLOR	FUNCTION
		COMMON EQUIPMENT WI	RING HARNESS	S (Cont)
	TERM BLOCK	LINE CARD		DTMF 2 WIRE
89	TB1-4C, 4D	(SH3) TB1-G2, F2		CKT 1
90	TB1-4E, 4F	(SH3) TB1-G3, F3		CKT 2
91	TB1-4G, 4H	(SH3) TB1-G4, F4		CKT 3
92	TB1-5A, 5B	(SH3) TB1-G5, F5		CKT 4
93	TB1-5C, 5D	(SH3) TB1-G6, F6		CKT 5
	TERM BLOCK	LINE CARD		OP ACCESS CONT
94	TB1-13E	(SH3) TB1-H2		A1
95	TB1-14E	(SH3) TB1-H3		A2
96	TB1-15E	(SH3) TB1-H4		A3
97	TB1-16E	(SH3) TB1-H5		A4
98	TB1-17E	(SH3) TB1-H6		A5
99	TB1-13G	(SH3) TB2-I7		RC1
100	TB1-14G	(SH3) TB2-H7		RC2
101	TB1-15G	(SH3) TB2-G7		RC3
102	TB1-16G	(SH3) TB2-F7		RC4
103	TB1-17G	(SH3) TB2-E7		RC5
		DIGIT DEC		
104	TB1-13A	(SH2) J8-D		L1
105	TB1-14A	(SH2) J10-D		L2
106	TB1-15A	(SH2) J12-D		L3
107	TB1-16A	(SH2) J14-D		L4
108	TB1-17A	(SH2) J16-D		L5
	TERM BLOCK	LINE CARD	,	E&M 2 WIRE
109	TB1-8E, 8F	(SH3) TB1-G7, F7		CKT 1
110	TB1-8G, 8H	(SH3) TB1-G8, F8		CKT 2
111	TB1-9A, 9B	(SH3) TB1-G9, F9		CKT 3
112	TB1-9C, 9D	(SH3) TB1-G10, F10		CKT 4
113	TB1-9E, 9F	(SH3) TB2-G1, F1		CKT 5
	TERM BLOCK	LINE CARD		OP ACCESS CONT
114	TB1-18E	(SH3) TB1-H7	į	A1
115	TB1-19E	(SH3) TB1-H8		A2
116	TB1-20E	(SH3) TB1-H9		A3
117	TB1-21E	(SH3) TB1-H10		A4
118	TB1-22E	(SH3) TB2-H1		A5
119	TB1-18G	(SH3) TB2-D7		RC1

NO.	FROM	то	24 AWG PAIR/COLOR	FUNCTION
		COMMON EQUIPMENT V	VIRING HARNESS	(Cont)
120	TB1-19G	(SH3) TB2-C7		RC2
121	TB1-20G	(SH3) TB2-B7		RC3
122	TB1-21G	(SH3) TB2-A7		RC4
123	TB1-22G	(SH3) TB2-J8		RC5
124	TB1-18A	(SH3) TB1-C7		L1
125	TB1-19A	(SH3) TB1-C8		L2
126	TB1-20A	(SH3) TB1-C9		L3
127	TB1-21A	(SH3) TB1-C10		L4
12 8	TB1-22A	(SH3) TB2-C1		L5
	TERM BLOCK	LINE CARD		PBX CKT.
129	TB1-12A, 12B	(SH3) TB1-G1, I1		CKT 1 (LINE)
130	TB1-12C, 12D	(SH3) TB1-G1, F1		CKT 1 (EQUIP)
				, , ,
	TERM BLOCK	LINE CARD		OP ACCESS CONT
131	TB1-26E	(SH3) TB1-H1		A1 RC1
132	TB1-26G	(SH3) TB2-J7		L1
133	TB1-26A	(SH3) TB1-C1		LI
	TERM BLOCK	SF DET & OSC		DTMF 4-W SEND
134	TB1-1A, 1B	(SH2) J2-H, J		CKT 1 (I.OW/EOW) NOTE
135	TB1-1C, 1D	(SH2) J3-H, J		CKT 2 (LOW/EOW) 1
136	TB1-1E, 1F	(SH2) J4-H, J	•	CKT 3 (EOW)
137	TB1-1G, 1H	(SH2) J5-H, J		CKT 4 (EOW)
138	TB1-2A, 2B	(SH2) J6-H, J		CKT 5 (EOW)
	TERM BLOCK	SF DET & OSC.		DTMF 4 WIRE REC
139	TB1-3A, 3B	(SH2) J2-K, L		CKT 1
140	TB1-3C, 3D	(SH2) J3-K, L		CKT 2
141	TB1-3E, 3F	(SH2) J4-K, L		CKT 3
142	TB1-3G, 3H	(SH2) J5-K, L		CKT 4
143	TB1-4A, 4B	(SH2) J6-K, L		CKT 5
	TERM BLOCK	4W/2W HYBRID		E&M 4 WIRE
144	TB1-6A, 6B	(SH1) J7-S, T		SEND CKT 1
145	TB1-6C, 6D	(SH1) J9-S, T		SEND CKT 2
146	TB1-6E, 6F	(SH1) J11-S, T		SEND CKT 3
147	TB1-6G, 6H	(SH1) J13-S, T		SEND CKT 4
148	TB1-7A, 7B	(SH1) J15-S, T		SEND CKT 5
	1		ł	

NO.	FROM	то	24 AWG PAIR/COLOR	FUNCTION
		COMMON EQUIPMENT V	VIRING HARNESS	(Cont)
149	TB1-7C, 7D	(SH1) J7-H, J		REC CKT 1
150	TB1-7E, 7F	(SH1) J9-H, J]	REC CKT 2
151	TB1-7G, 7H	(SH1) J11-H, J		REC CKT 3
152	TB1-8A, 8B	(SH1) J13-H, J		REC CKT 4
153	TB1-8C, 8D	(SH1) J15-H, J		REC CKT 5
	TERM BLOCK	COMP BOARD		
154	TB1-13A	CB1 (A) 52		L1
155	TB1-14A	CB1 (A) 56		L2
156	TB1-15A	CB1 (A) 60		L3
157	TB1-16A	CB1 (A) 64		L4
158	TB1-17A	CB1 (A) 68		L5
	COMP BOARD	L/KA		BATTERY FEED (JK PNL)
159	CB2-2, 10	L1-2, 3		CKT 1
160	CB2-12, 20	L2-2, 3		CKT 2
	COMP BOARD	L/KA		BATTERY FEED
161	CB2-22, 29	K1-5, 2		CKT 1
162	CB2-32, 39	K2-5, 2		CKT 2
163	CB2-42, 49	K3-5, 2		CKT 3
	COMP BOARD	SF DET & OSC		DTMF 4-WIRE
164	CB2-66, 64	(SH2) J2-H, J		SEND CKT 1 (LOW) NOTE
165	CB2-70, 68	(SH2) J3-H, J		SEND CKT 2 (LOW) NOTE
	CKA	LINE CARD		LAMP CONT
166	K1-1L	(SH3) TB1-A1		CKT 1
	CKA	LINE CARD		LAMP CONT
167	K2-1L	(SH3) TB1-A2		CKT 1
168	K3-1L	(SH3) TB1-A3		CKT 2
169	K4-1L	(SH3) TB1-A4		CKT 3
170	K5-1L	(SH3) TB1-A5		CKT 4
171	K6-1L	(SH3) TB1-A6		CKT 5
	CKA	LINE CARD		LAMP CONT
172	K7-1L	(SH3) TB1-A7		CKT 1
173	K8-1L	(SH3) TB1-A8		CKT 2
174	K9-1L	(SH3) TB1-A9		CKT 3

NO.	FROM	то	24 AWG PAIR/COLOR	FUNCTION
	CO	MMON EQUIPMENT	WIRING HARNESS	(Cont)
175	.K10-1L	(SH3) TB1-A10		CKT 4
176	K11-1L	(SH3) TB2-A1		CKT 5
	CKA	LINE CARD		CONF FL DIST
177	K1-6L	(SH3) TB2-D10		
	CKA	DIGIT DEC		LAMP/IDLE TERM CONT
178	K2-2L	(SH2) J8-F		CKT 1
179	K3-2L	(SH2) J10-F		CKT 2
180	K4-2L	(SH2) J12-F		CKT 3
181	K5-2L	(SH2) J14-F		CKT 4
182	K6-2L	(SH2) J16-F		CKT 5
	CKA	DIGIT DEC		
183	K2-5L DIODE (ANODE)	(SH2) J8-E		L1 (CF)
184	K3-5L DIODE (ANODE)	(SH2) J10-E		L2 (CF)
185	K4-5L DIODE (ANODE)	(SH2) J12-E		L3 (CF)
186	K5-5L DIODE (ANODE)	(SH2) J14-E		L4 (CF)
187	K6-5L DIODE (ANODE)	(SH2) J16-E		L5 (CF)
	CKA	SF DET		E&M LAMP
188	CKA K7-2L	(SH1) J8-S	BLACK	E&M 1
189	CKA K8-2L	(SH1) J10-S	BLACK	E&M 2
190	CKA K9-2L	(SH1) ·J12-S	BLACK	E&M 3
191	CKA K10-2L	(SH1) J14-S	BLACK	E&M 4
192	CKA K11-2L	(SH1) J16-S	BLACK	E&M 5
	CKA	SF DET & OSC		CKT SUPV
193	K2-4L	(SH2) J2-M		CKT 1
194	K3-4L	(SH2) J3-M		CKT 2
195	K4-4L	(SH2) J4-M		CKT 3
196	K5-4L	(SH2) J5-M		CKT 4
197	K6-4L	(SH2) J6-M		CKT 5
	LINE CARD	DIGIT DEC		
19 8	(SH3) TB1-B2	(SH2) J8-H	BLACK	DTMF 1 LAMP
199	(SH3) TB1-B3	(SH2) J10-H	BLACK	DTMF 2 LAMP
200	(SH3) TB1-B4	(SH2) J12-H	BLACK	DTMF 3 LAMP
201	(SH3) TB1-B5	(SH2) J14-H	BLACK	DTMF 4 LAMP
202	(SH3) TB1-B6	(SH2) J16-H	BLACK	DTMF 5 LAMP

NO.	FROM	то	24 AWG PAIR/COLOR	FUNCTION
	(COMMON EQUIPMENT	VIRING HARNESS	(Cont)
	LINE CARD	SF DET & OSC		DTMF OFF HOOK CONT
203	(SH3) TB1-D2	(SH2) J2-N		CKT 1
204	(SH3) TB1-D3	(SH2) J3-N		CKT 2
205	(SH3) TB1-D4	(SH2) J4-N		CKT 3
206	(SH3) TB1-D5	(SH2) J5-N		CKT 4
207	(SH3) TB1-D6	(SH2) J6-N		CKT 5
	LINE CARD	DIGIT DEC		DTMF RING IN
208	(SH3) TB1-E2	(SH2) J8-J		CKT 1
209	(SH3) TB1-E3	(SH2) J10-J		CKT 2
210	(SH3) TB1-E4	(SH2) J12-J		CKT 3
211	(SH3) TB1-E5	(SH2) J14-J		CKT 4
212	(SH3) TB1-E6	(SH2) J16-J		CKT 5
	LINE CARD	DIGIT DEC		
213	(SH3) TB2-B10	(SH2) J8-C		LAMP FL DIST
	LINE CARD	SF DET		E&M RING IN
214	(SH3) TB1-E7	(SH1) J8-R		CKT 1
215	(SH3) TB1-E8	(SH1) J10-R		CKT 2
216	(SH3) TB1-E9	(SH1) J12-R		CKT 3
217	(SH3) TB1-E10	(SH1) J14-R		CKT 4
218	(SH3) TB2-E1	(SH1) J16-R		CKT 5
	DTMF REC	4W/2W HYBRID		DTMF 4 WIRE
219	(SH2) J7-C, D	(SH1) J2-E, F		REC CKT 1
220	(SH2) J9-C, D	(SH1) J3-E, F		REC CKT 2
221	(SH2) J11-C, D	(SH1) J4-E, F		REC CKT 3
222	(SH2) J13-C, D	(SH1) J5-E, F		REC CKT 4
223	(SH2) J15-C, D	(SH1) J6-E, F		REC CKT 5
	SF DET & OSC	4W/2W HYBRID		DTMF 4 WIRE
224	(SH2) J2-D, E	(SH1) J2-M, N		SEND CKT 1
225	(SH2) J3-D, E	(SH1) J3-M, N		SEND CKT 2
226	(SH2) J4-D, E	(SH1) J4-M, N		SEND CKT 3
227	(SH2) J5-D, E	(SH1) J5-M, N	ĺ	SEND CKT 4
228	(SH2) J6-D, E	(SH1) J6-M, N		SEND CKT 5

NO.	FROM	то	24 AWG PAIR/COLOR	FUNCTION
	c	OMMON EQUIPMENT	WIRING HARNESS (Cont)
	SF DET & OSC	4W/2W HYBRID		24 VDC DIST
229	(SH2) J1-AU	(SH1) J1-A, U	BLACK, WHITE	
	COMP BOARD	LA		BATTERY FEED
230	CB1 (A) -2, 10	L1-2, 3	BLACK, WHITE	CKT 1
231	CB1 (A) -12, 20	L2-2, 3	BLACK, WHITE	CKT 2
232	CB1 (A) -22, 30	L3-2, 3	BLACK, WHITE	CKT 3
233	CB1 (A) -32, 40	L4-2, 3	BLACK, WHITE	CKT 4
234	CB1 (A) -42, 50	L5-2, 3	BLACK, WHITE	CKT 5
	COMP BOARD	LA	BLACK, WHITE	BATTERY FEED
235	CB1 (B) -2, 10	L6-2, 3		CKT 1
236	CB1 (B) -12, 20	L7-2, 3		CKT 2
237	CB1 (B) -22, 30	L8-2, 3		CKT 3
238	CB1 (B) -32, 40	L9-2, 3		CKT 4
239	CB1 (B) -42, 50	L10-2, 3		CKT 5
	COMP BOARD	CKA		DTMF 2 WIRE
240	CB1 (A) 7, 4	K2-2R, 5R		CKT 1
241	CB1 (A) 17, 14	K3-2R, 5R		CKT 2
242	CB1 (A) 27, 24	K4-2R, 5R		CKT 3
243	CB1 (A) 37, 34	K5-2R, 5R		CKT 4
244	CB1 (A) 47, 44	K6-2R, 5R		CKT 5
	COMP BOARD	CKA		TERM CONT
245	CB1 (A) -53	K2-3L		CKT 1
246	CB1 (A) -57	K3-3L		CKT 2
247	CB1 (A) -61	K4-3L		CKT 3
24 8	CB1 (A) -65	K5-3L		CKT 4
249	CB1 (A) -69	K6-3L		CKT 5
	COMP BOARD	CKA		
250	CB1 (A) -73, 75	K1-3R, 6R		PBX CONF
251	CB1 (A) -74, 76	K2-3R, 6R		PBX CONF
	COMP BOARD	LKA		
252	CB1 (A) -73, 75	L3-1, 4		PBX TERM
	COMP BOARD	CKA		E&M 2 WIRE
253	CB1 (B) -7, 4	K7-2R, 5R		CKT 1
254	CB1 (B) -17, 14	K8-2R, 5R		CKT 2

NO.	FROM	ТО	24 AWG PAIR/COLOR	FUNCTION
	COMMO	ON EQUIPMENT WIRING	HARNESS (Cont)	
255	CB1 (B) -27, 24	K9-2R, 5R		CKT 3
256	CB1 (B) -37, 34	K10-2R, 5R		CKT 4
257	CB1 (B) -47, 44	K11-2R, 5R		CKT 5
	COMP BOARD	CKA		TERM CONT
25 8	CB1 (B) -52	K7-3L		CKT 1
259	CB1 (B) -56	K8-3L		CKT 2
260	CB1 (B) -60	K9-3L	i	CKT 3
261	CB1 (B) -64	K10-3L		CKT 4
262	CB1 (B) -68	K11-3L		CKT 5
	COMP BOARD	LINE CARD		DTMF 2 WIRE
263	CB1 (A) -7, 3	(SH3) TB1-G2, I2		CKT 1
264	CB1 (A) -17, 13	(SH3) TB1-G3, I3		CKT 2
265	CB1 (A) -27, 23	(SH3) TB1-G4, I4		CKT 3
266	CB1 (A) -37, 33	(SH3) TB1-G5, I5		CKT 4
267	CB1 (A) -47, 43	(SH3) TB1-G6, I6		CKT 5
	COMP BOARD	LINE CARD		TERM CONTROL
268	CB1 (A) -54	(SH3) TB2-I3		CKT 1
269	CB1 (A) -58	(SH3) TB2-H3		CKT 2
270	CBI (A) -62	(SH3) TB2-G3		CKT 3
271	CB1 (A) -66	(SH3) TB2-F3		CKT 4
272	CB1 (A) -70	(SH3) TB2-E£		CKT 5
	COMP BOARD	LINE CARD	ļ	E&M 2 WIRE
273	CB1 (B) -9, 3	(SH3) TB1-G7, I7		CKT 1
274	CB1 (B) -19, 13	(SH3) TB1-G8, I8		CKT 2
275	СВ1 (В) -29, 23	(SH3) TB1-G9, I9		CKT 3
276	CB1 (B) -39, 33	(SH3) TB1-G10, I10		CKT 4
277	CB1 (B) 49, 43	(SH3) TB1-GI, II		CKT 5
	COMP BOARD	LINE CARD		TERM CONT
278	CB1 (B) -51	(SH3) TB2-D3		CKT 1
279	CB1 (B) -55	(SH3) TB2-C3		CKT 2
280	CB1 (B) -59	(SH3) TB2-B3		CKT 3
281	CB1 (B) -63	(SH3) TB2-A3		CKT 4
282	CB1 (B) -67	(SH3) TB2-J4		CKT 5

NO.	FROM	то	24 AWG PAIR/COLOR	FUNCTION
	COMM	ON EQUIPMENT WIRING	HARNESS (Cont)	
	COMP BOARD	LINE CARD		
283	CB1 (A) -51	(SH3) TB1-C2		L1
284	CB1 (A) -55	(SH3) TB1-C3		L2
285	CB1 (A) -59	(SH3) TB1-C4		L3
286	CB1 (A) -63	(SH3) TB1-C5		L4
287	CB1 (A) -67	(SH3) TB1-C6		L5
	COMP BOARD	SF DET & OSC		OSC CONT
288	CB1 (A) -53	(SH 2) J2-T		CKT 1
289	CB1 (A) -57	(SH2) J3-T		CKT 2
290	CB1 (A) -61	(SH2) J4-T		CKT 3
291	CB1 (A) -65	(SH2) J5-T		CKT 4
292	CB1 (A) -69	(SH2) J6-T		CKT 5
	COMP BOARD	4W/2W HYBRID		DTMF 2 WIRE
293	CB1 (A) -7, 4	(SH1) J2-J, K]	CKT 1
294	CB1 (A) -17, 14	(SH1) J3-J, K		CKT 2
295	CB1 (A) -27, 24	(SH1) J4-J, K		CKT 3
296	CB1 (A) -37, 34	(SH1) J5-J, K	1	CKT 4
297	CB1 (A) -47, 44	(SH1) J6-J, K	1	CKT 5
	COMP BOARD	4W/2W HYBRID		TERM CONT
298	CB1 (A) -53	(SH1) J2-S		CKT 1
299	CB1 (A) -57	(SH1) J3-S		CKT 2
300	CB1 (A) -61	(SH1) J4-S		CKT 3
301	CB1 (A) -65	(SH1) J5-S		CKT 4
302	CB1 (A) -69	(SH1) J6-S		CKT 5
	COMP BOARD	4W/2W HYBRID		E&M 2 WIRE
303	CB1 (B) -7, 4	(SH1) J7-M, N		CKT 1
304	CB1 (B) -17, 14	(SH1) J9-M, N		CKT 2
305	CB1 (B) -27, 24	(SH1) J11-M, N		CKT 3
306	CB1 (B) -37, 34	(SH1) J13-M, N		CKT 4
307	CB1 (B) -47, 44	(SH1) J15-M, N		CKT 5
	COMP BOARD	4W/2W HYBRID		TERM CONT
308	CB1 (B) -52	(SH1) J7-D		CKT 1
309	CB1 (B) -56	(SH1) J9-D	1	CKT 2
310	CB1 (B) -60	(SH1) J11-D		CKT 3

NO.	FROM	ТО	24 AWG PAIR/COLOR	FUNCTION
	COMM	ON EQUIPMENT WIRING	HARNESS (Cont)	
311 312	CB1 (B) -64 CB1 (B) -68	(SH1) J13-D (SH1) J15-D		CKT 4 CKT 5
313 314 315 316	L/KA L1-1 L2-1 L1-4 L2-4	LA L1-1 L2-1 L1-4 L2-4	BLACK BLACK WHITE WHITE	DTMF TB 1 2 L/KA L1 RETURN L/KA L2 RETURN

NOTES: 1. DTMF CIRCUITS 1 & 2 ARE APPLICABLE TO LOW OR EOW CIRCUITS.

TERMINATE THE APPROPRIATE WIRES AS REQUIRED AT EACH SITE.

THE UNTERMINATED WIRES ARE INSULATED AND TIED BACK IN

THE HARNESS AS SHOWN BELOW.

LISTING NO.	QUANTIT	Y OF LINK O.W	. CIRCUITS
	0	1	2
49	<u>-</u>	V	~
50	-	-	L
51	-	V	V
52	-	-	~
134	V	-	-
135	V	V	-
169	-	V	!
170	-	_	i-

^{✓ =} WIRING PER LISTING NO.

^{- =} INSULATED AND TIEDBACK.

NO.	FROM	то	24 AWG PAIR/COLOR	FUNCTION
		LOW WIRI	NG HARNESS	
	FUSE PANEL			
1	TB1-1	(SH2) TB1-B2	BLACK	DTMF 1 LAMP (F1)
2	TB1-2	(SH2) TB1-B3	BLACK	DTMF 2 LAMP (F2)
3	TB1-3	(SH2) TB1-A4	BLACK	E&M 1 LAMP (F3)
4	TB1-4	(SH2) TB1-A5	BLACK	E&M 2 LAMP (F4)
5	TB1-5	(SH2) TB1-A1	BLACK	PBX LAMP (F5)
6	TB1-6	L/KA K1-8	BLACK	INTERCOM LAMP (F6)
7	TB1-7	L/KA L1-1	BLACK	DTMF 1 TB (F7)
8	TB1-8	L/KA L2-1	BLACK	DTMF 2 TB (F8)
9	TB1-9	L/KA L3-1	BLACK	E&M 1 TB (F9)
10	TB1-10	L/KA L4-1	BLACK	E&M 2 TB (F10)
11	TB1-11	L/KA K1-6	BLACK	IC TB (F11)
12	TB2-7	L/KA L1-4	WHITE	L/KA L1 RETURN
13	TB2-8	L/KA L2-4	WHITE	L2
14	TB2-9	L/KA L3-4	WHITE	L3
15	TB2-10	L/KA L4-4	WHITE	L4
16	TB2-11	L/KA K1-1	WHITE	K1
17	TB1-12	(SH1) J1-S	BLACK	COMM EQ SHELF (F12
18	TB1-12	(SH1) J1-T	BLACK	POWER
19	TB2-12	(SH1) J1-V	WHITE	POWER
20	TB2-12	(SH1) J1-V	WHITE	POWER
21	TB1-13	(SH2) TB3-1	BLACK	PC CARD SHELF (F13)
22	TB1-13	(SH2) TB3-1	BLACK	POWER
23	TB2-13	(SH2) TB3-2	WHITE	POWER
24	TB2-13	(SH2) TB3-2	WHITE	POWER
	TERM BLOCK	COMP BOARD		IC CKT
25	TB1-7A, 7B	CB1-48, 44	NO. 1	CKT 1 (LINE)
26	TB1-8A, 8B	CB1-47, 43	NO. 2	CKT 1 (EQUIP)
-	•	, and the second		• •
25	TERM BLOCK	-		IC CONTROL
27	TB1-15B, 15C	K1-9, 7	NO. 3	CKT 1 RR, LR
28	TB1-15E	K1-10	WHITE-BLACK	CKT A
ļ	TERM BLOCK			DTMF 2-WIRE
29	TB1-3A, 3B	(SH2) TB1-G2, F2	NO. 3	CKT 1
30	TB1-3C, 3D	(SH2) TB1-G3, F3	NO. 3	CKT 2

NO.	FROM	то	24 AWG PAIR/COLOR	FUNCTION
		LOW WIRING	HARNESS (Cont)	
	TERM BLOCK	LINE CARD		E&M 2-WIRE
31	TB1-6A, 6B	(SH2) TB1-G4, F4	NO. 3	CKT 1
32	TB1-6C, 6D	(SH2) TB1-G5, F5	NO. 3	CKT 2
	TERM BLOCK	LINE CARD		PBX CKT
33	TB1-9A, 9B	(SH2) TB1-G1, I1	NO. 1	CKT 1 (LINE)
34	TB1-10A, 10B	(SH2) TB1-G1, F1	NO. 1	
	TERM BLOCK	LINE CARD		PANEL CONTROL
35	TB1-11E	(SH2) TB1-H2	WHITE-BLACK	A1
36	TB1-12E	(SH2) TB1-H3	WHITE-BLACK	A2
37	TB1-11G	(SH2) TB2-I7	WHITE-RED	RC 1
3 8	TB1-12G	(SH2) TB2-H7	WHITE-RED	RC 2
		COMP BOARD		
39	TB1-11A	CB1-52	WHITE-GREEN	L1 .
40	TB1-12A	CB1-56	WHITE-GREEN	L2
	TERM BLOCK	LINE CARD		PANEL CONTROL
41	TB1-13E	(SH2) TB1-H4	WHITE-BLACK	A1
42	TB1-14E	(SH2) TB1-H5	WHITE-BLACK	A2
43	TB1-13G	(SH2) TB2-G7	WHITE-RED	RC 1
44	TB1-14G	(SH2) TB2-F7	WHITE-RED	RC 2
45	TB1-13A	(SH2) TB1-C4	WHITE-GREEN	L1
46	TB1-14A	(SH2) TB1-C5	WHITE-GREEN	L2
	TERM BLOCK	LINE CARD		PANEL CONTROL
47	TB1-16E	(SH2) TB1-H1	WHITE-BLACK	A1
4 8	TB1-16G	(SH2) TB2-J7	WHITE-RED	RC 1
49	TB1-16A	(SH2) TB1-C1	WHITE-GREEN	L1
	TERM BLOCK	SF DET & OSC		DTMF 4-WIRE
50	TB1-1A, 1B	(SH1) J3-H, J	NO. 1	SEND CKT 1
51	TB1-1C, 1D	(SH1) J7-H, J	NO. 1	SEND CKT 2
	TERM BLOCK	4W/2W HYBRID	·	DTMF 4-WIRE
52	TB1-2A, 2B	(SH1) J2-E, F	NO. 2	REC CKT 1
53	TB1-2C, 2D	(SH1) J6-E, F	NO. 2	REC CKT 2
	TERM BLOCK	4W/2W HYBRID		E&M 4-WIRE
54	TB1-4A, 4B	(SH1) J10-S, T	NO. 1	SEND CKT 1

NO.	FROM	то	24 AWG PAIR/COLOR	FUNCTION
		LOW WIRING	HARNESS (Cont)	
55	TB1-4C, 4D	(SH1) J12-S, T	NO. 1	SEND CKT 2
56	TB1-5A, 5B	(SH1) J10-H, J	NO. 1	REC CKT 1
57	TB1-5C, 5D	(SH1) J12-H, J	NO. 1	REC CKT 2
	TERM BLOCK	DIGIT DECODER		LAMP CONTROL
5 8	TB1-11A	(SH1) J5-D	WHITE-ORANGE	CKT 1
59	TB1-12A	(SH1) J9-D	WHITE-ORANGE	CKT 2
	TERM BLOCK	DUAL AMPLIFIER		
60	TB1-23A, 23B	(SH1) J14-S, T	NO. 2	LEG 1 SEND
61	TB1-23C, 23D	(SH1) J14-C, D	NO. 2	LEG 2 SEND
	TERM BLOCK	4W/4W BRIDGE		
62	TB1-24A, 24B	(SH1) J15-K, L	NO. 2	LEG 1 REC
63	TB1-24C, 24D	1 ' '	NO. 2	LEG 2 REC
64	TB1-24E, 24F		NO. 2	LEG 3 REC
65	TB1-24G, 24H	(SH1) J15-C, D	NO. 2	LEG 4 REC
	TERM BLOCK	DUAL AMPLIFIER		
66	TB1-23E, 23F	(SH1) J16-S, T	NO. 1	LEG 3 SEND
67	TB1-23G, 23H	(SH1) J16-C, D	NO. 1	LEG 4 SEND
	COMP BOARD	L/KA		TALK BATTERY
68	CB1-42, 49	K1-5, 2	BLACK-WHITE	CKT 1
	COMP BOARD	L/KA		TALK BATTERY
69	CB1-2, 10	L1-2, 3	BLACK-WHITE	CKT 1
70	CB1-2, 20	L2-2, 3	BLACK-WHITE	CKT 2
	COMP BOARD	LINE CARD		DTMF 2-WIRE
71	CB1-22, 30	L3-2, 3	BLACK-WHITE	CKT 1
72	CB1-32, 40	L4-2, 3	BLACK-WHITE	CKT 2
	COMP BOARD	LINE CARD		DTMF 2-WIRE
73	CB1-7, 3	(SH2) TB1-G2, I2	NO. 3	CKT 1
74	CB1-17, 13	(SH2) TB1-G3, I3	NO. 3	CKT 2
	COMP BOARD	LINE CARD		E&M 2-WIRE
75	CB1-27, 23	(SH2) TB1-G4, I4	NO. 3	CKT 1
76	CB1-37, 33	(SH2) TB1-G5, I5	NO. 3	CKT 2

NO.	FROM	то	24 AWG PAIR/COLOR	FUNCTION		
LOW WIRING HARNESS (Cont)						
77 78	COMP BOARD CB1-7, 4 CB1-17, 14	4W/2W HYBRID (SH1) J2-J, K (SH1) J6-J, K	NO. 3 NO. 3	DTMF 2 WIRE CKT 1 CKT 2		
79 80	COMP BOARD CB1-27, 24 CB1-37, 34	4W/2W HYBRID (SH1) J10-M, N (SH1) J12-M, N	NO. 3 NO. 3	E&M 2-WIRE CKT 1 CKT 2		
81 82	LINE CARD (SH2) TB1-E2 (SH2) TB1-E3	DIGIT DECODER (SH1) J5-J (SH1) J9-J	WHITE-YELLOW WHITE-YELLOW	DTMF RING IN CKT 1 CKT 2		
83 84	LINE CARD (SH2) TB1-D2 (SH2) TB1-D3	SF DET & OSC (SH1) J3-N (SH1) J7-N	WHITE-BLUE WHITE-BLUE	DTMF OFF-HOOK CONT CKT 1 CKT 2		
85 86	LINE CARD (SH2) TB2-I3 (SH2) TB2-H3	SF DET & OSC (SH1) J3-T (SH1) J7-T	WHITE-BROWN WHITE-BROWN	TERM CONTROL CKT 1 CKT 2		
87	LINE CARD (SH2) TB2-B10	DIGIT DECODER (SH1) J5-C	WHITE-GRAY	LAMP FLASH DIST		
88 89	LINE CARD (SH2) TB1-E4 (SH2) TB1-E5	SF DET (SH1) J11-R (SH1) J13-R	WHITE-YELLOW WHITE-YELLOW	E&M RING IN CKT 1 CKT 2		
90 91	LINE CARD (SH2) TB1-A2 (SH2) TB1-A3	DIGIT DECODER (SH1) J5-F (SH1) J9-F	WHITE-BLUE WHITE-BLUE	LAMP CONTROL CKT 1 CKT 2		
92 93	LINE CARD (SH2) TB2-G3 (SH2) TB2-F3	4W/2W HYBRID (SH1) J10-D (SH1) J12-D	WHITE-RED WHITE-RED	TERM CONTROL CKT 1 CKT 2		
9 <u>4</u> 95 96 97	(SH2) TB1-B2 (SH2) TB1-B3 (SH2) TB1-A4 (SH2) TB1-A5	(SH1) J5-H (SH1) J9-H (SH1) J11-S (SH1) J13-S	BLACK BLACK BLACK BLACK	DTMF 1 LAMP DTMF 2 LAMP E&M 1 LAMP E&M 2 LAMP		
98 99	LINE CARD (SH2) TB2-C2 (SH2) TB2-C3	COMP BOARD CB1-51 CB1-55	WHITE-GREEN WHITE-GREEN	L1 L2		

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NG: None.

USAR: None.

For explanation of abbreviations used, see AR 310-50.

*U. S. GOVERNMEN PRINTING OFFICE: 1996-406-421 (60248)

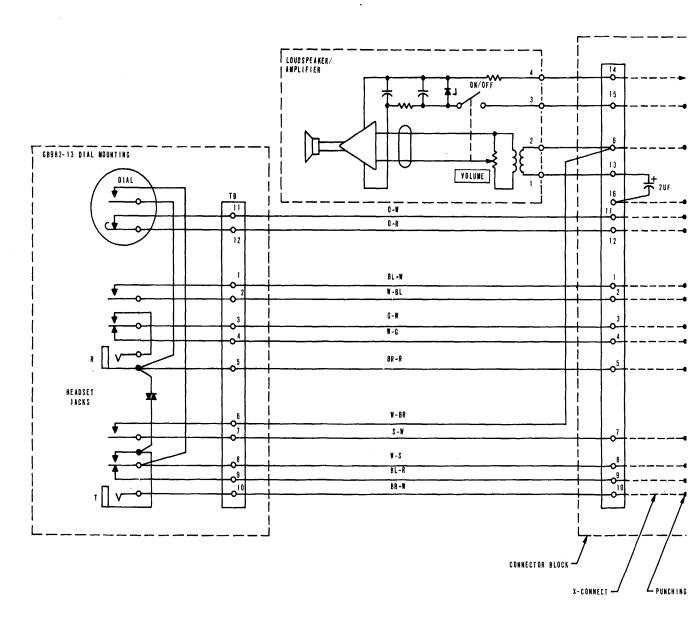


Figure FO-1(1). Express-Link-Local Orderwire Unit TA-928/FSC, wiring diagram (sheet 1 of 4).

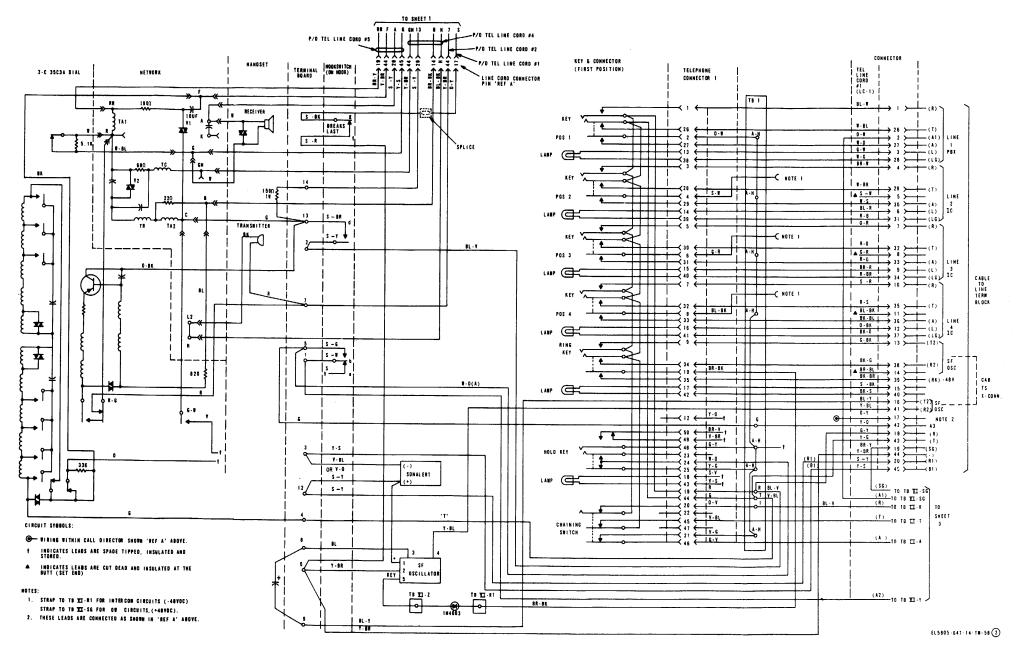


Figure FO-1(2). Express-Link-Local Orderwire Unit TA-928/FSC, wiring diagram (sheet 2 of 4).

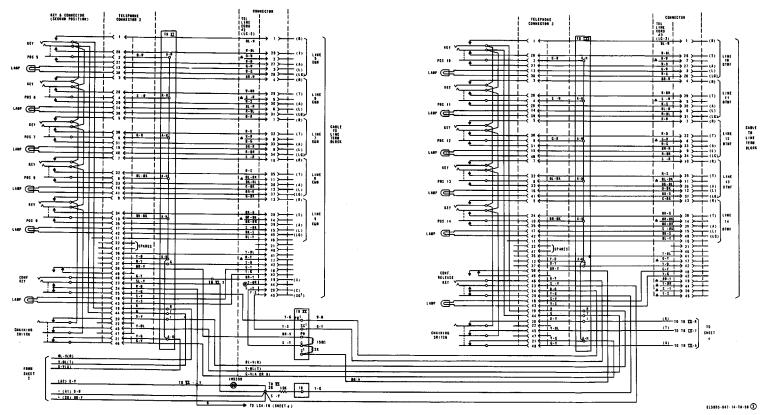


Figure FO-1(3). Express-Link-Local Orderwire Unit TA-928/FSC, wiring diagram (sheet 3 of 4).

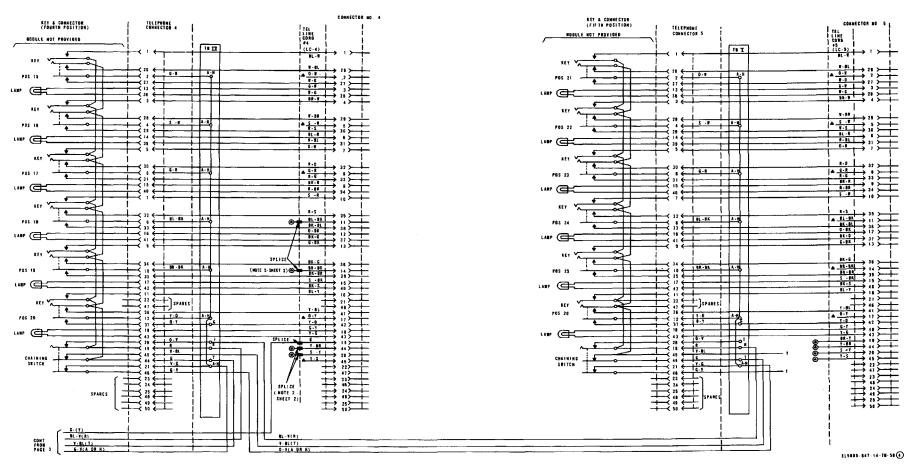


Figure FO-1(4). Express-Link-Local Orderwire Unit TA-928/FSC, wiring diagram (sheet 4 of 4).

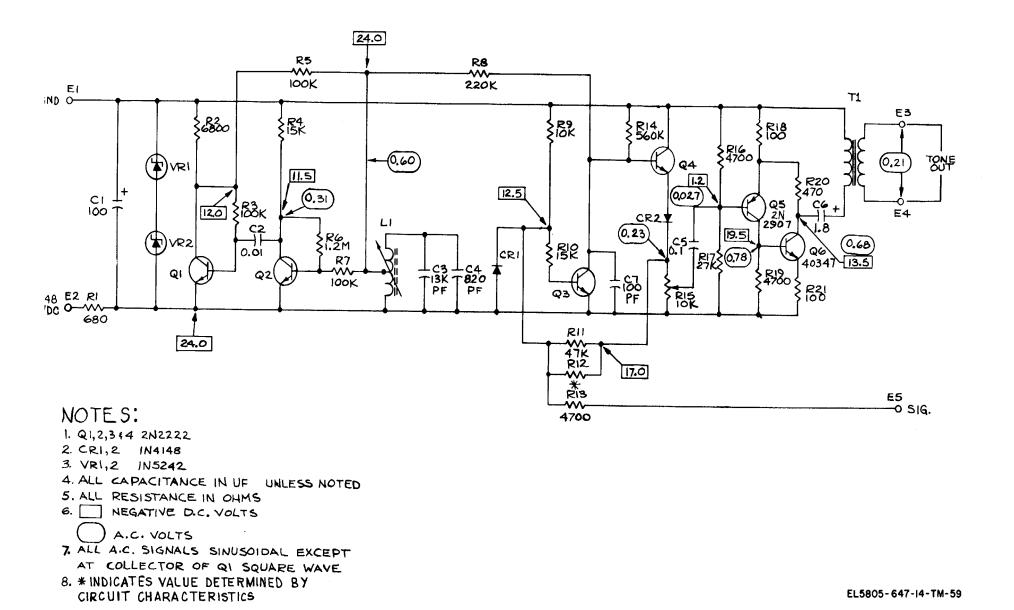


Figure FO-2. S. F. Oscillator, 49009-01, schematic diagram

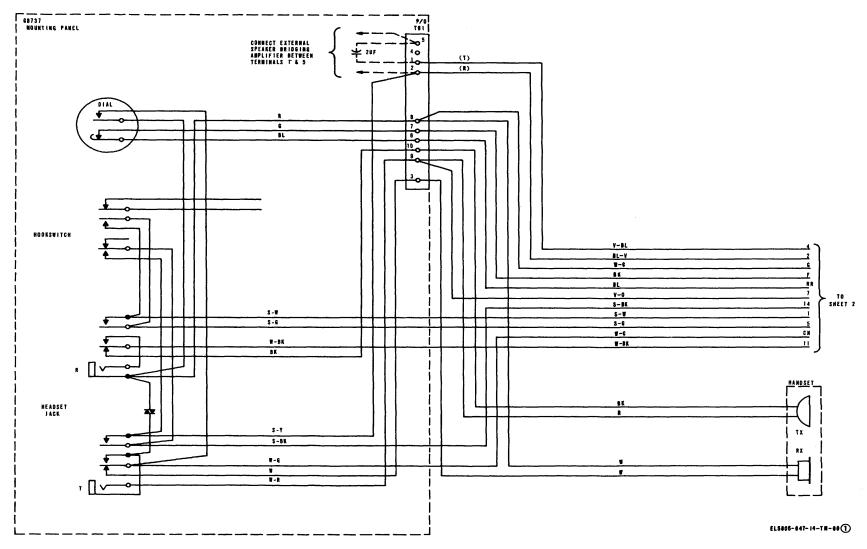


Figure FO-3(1). Express-Link-Local Orderwire Unit TA-923/FSC, wiring diagram (sheet 1 of 4).

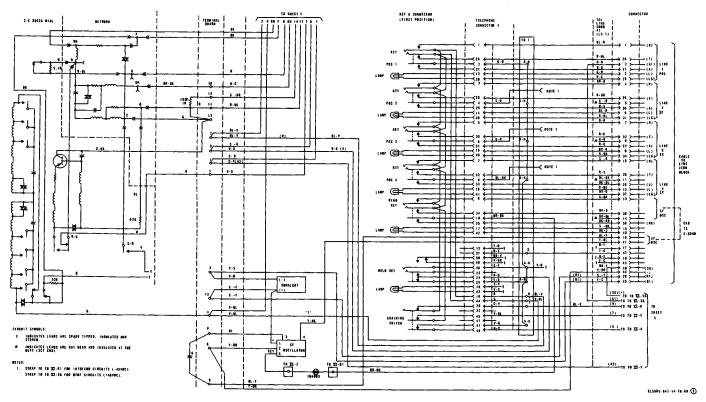


Figure FO-3(2). Express-Link-Local Orderwire Unit TA-923/FSC, wiring diagram (sheet 2 of 4).

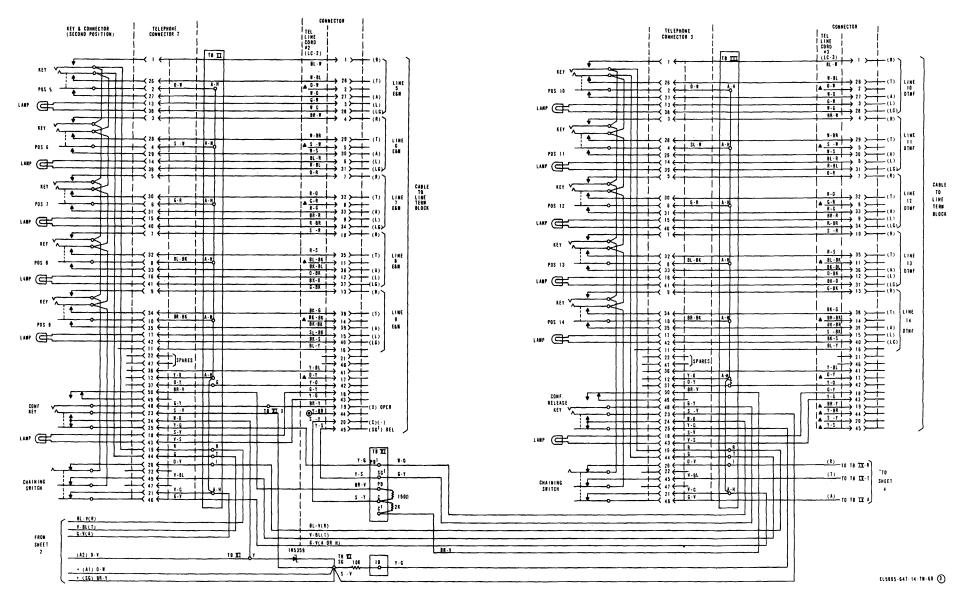


Figure FO-3(3). Express-link local orderwire Unit TA923/FSC, wiring diagram (sheet 3 of 4).

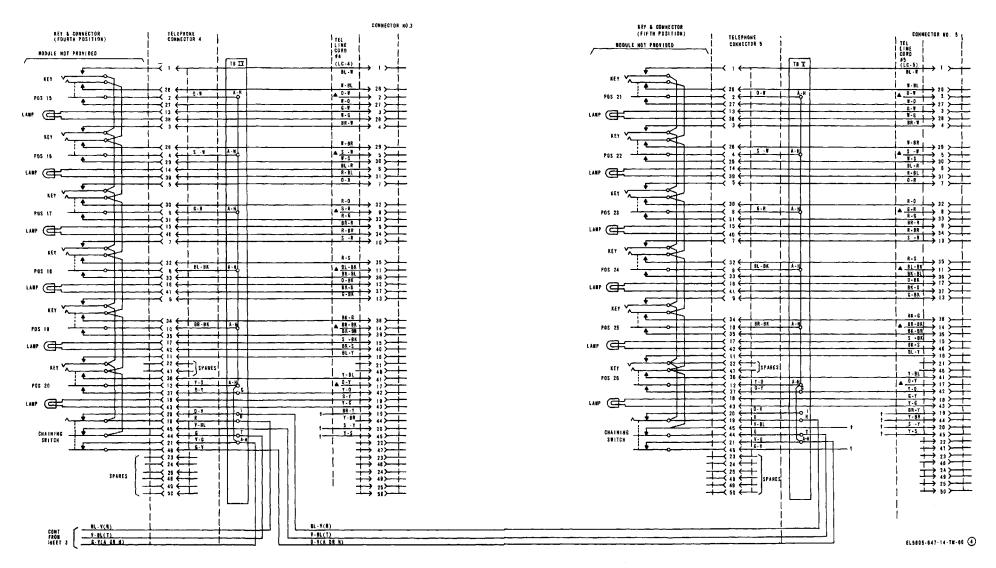


Figure FO-3(4). Express-Link-Local Orderwire Unit TA-923/FSC, wiring diagram (sheet 4 of 4).

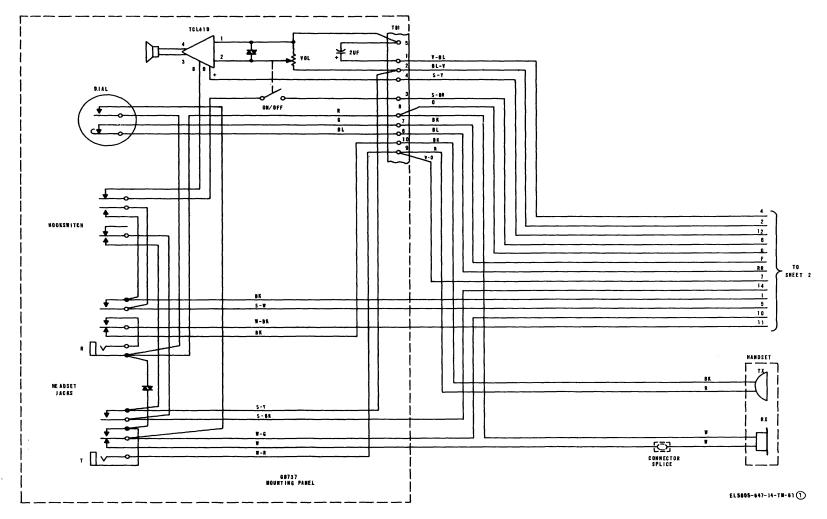


Figure FO-4(1). Link Orderwire Unit TA-925/FSC, wiring diagram (sheet 1 of 3).

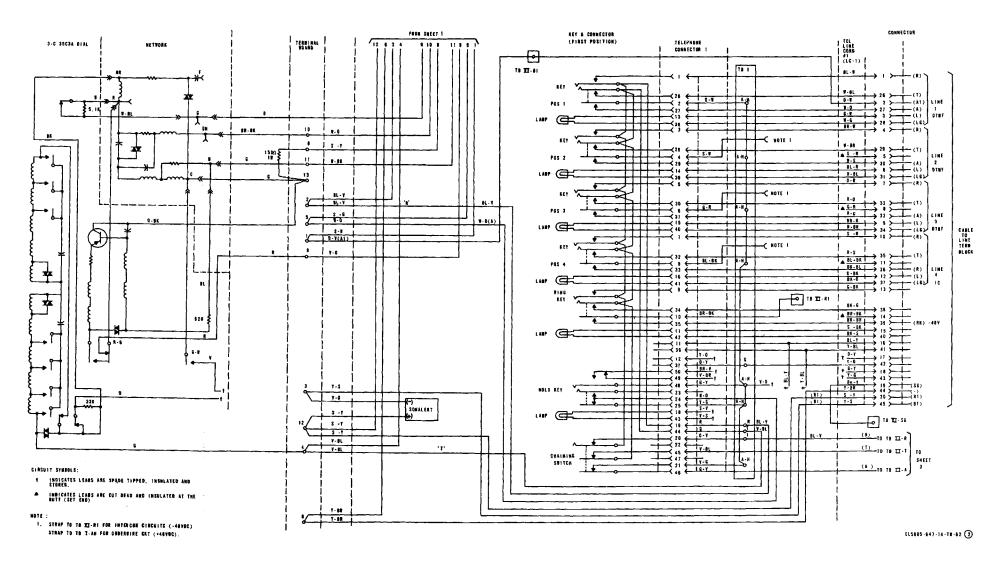


Figure FO-4(2). Link Orderwire Unit TA-925/FSC, wiring diagram (sheet 2 of 3).

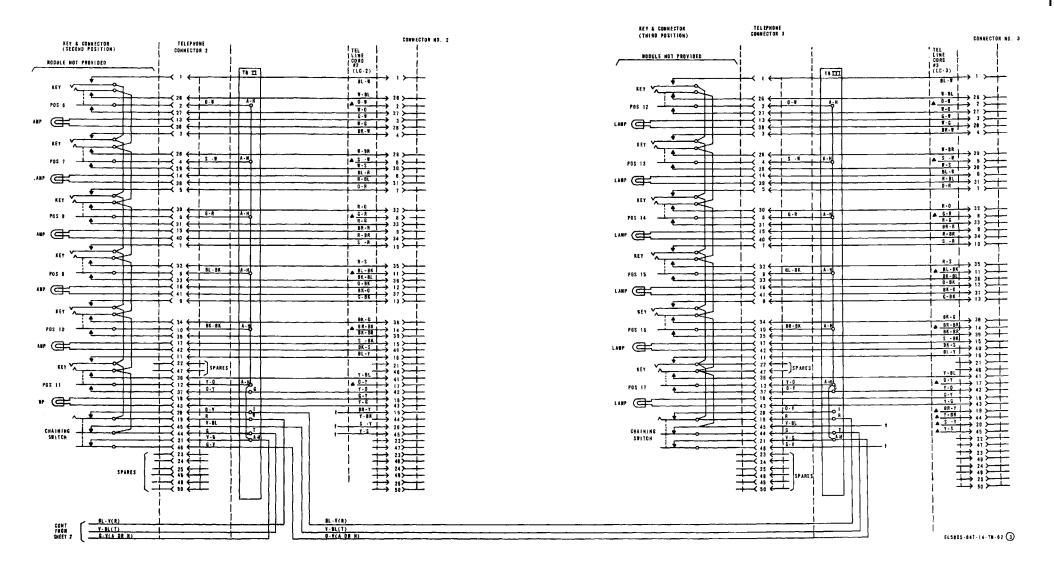


Figure FO-4(3). Remote Link Orderwire Unit TA-924/FSC, wiring diagram (sheet 3 of 3)

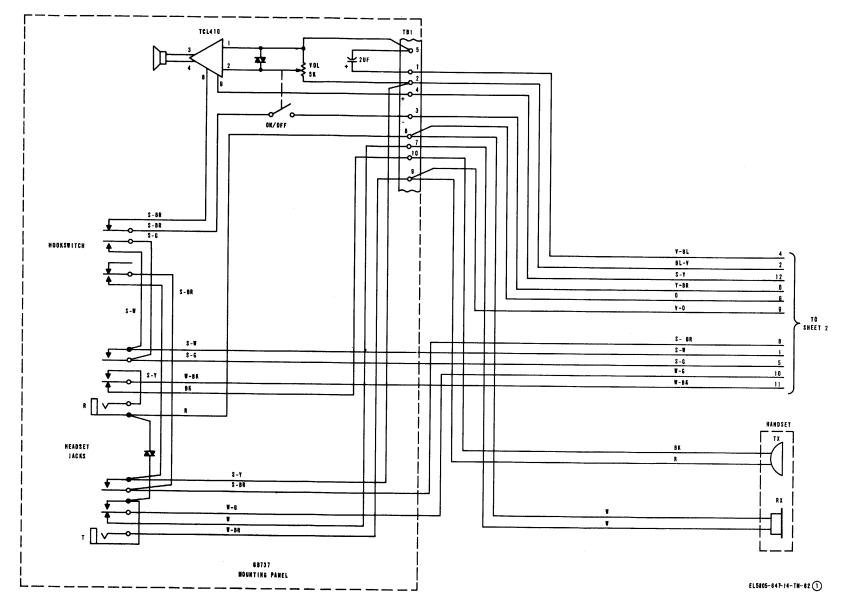


Figure FO-5(1). Remote Link Orderwire Unit TA-924/FSC, wiring diagram (sheet 1 of 3)

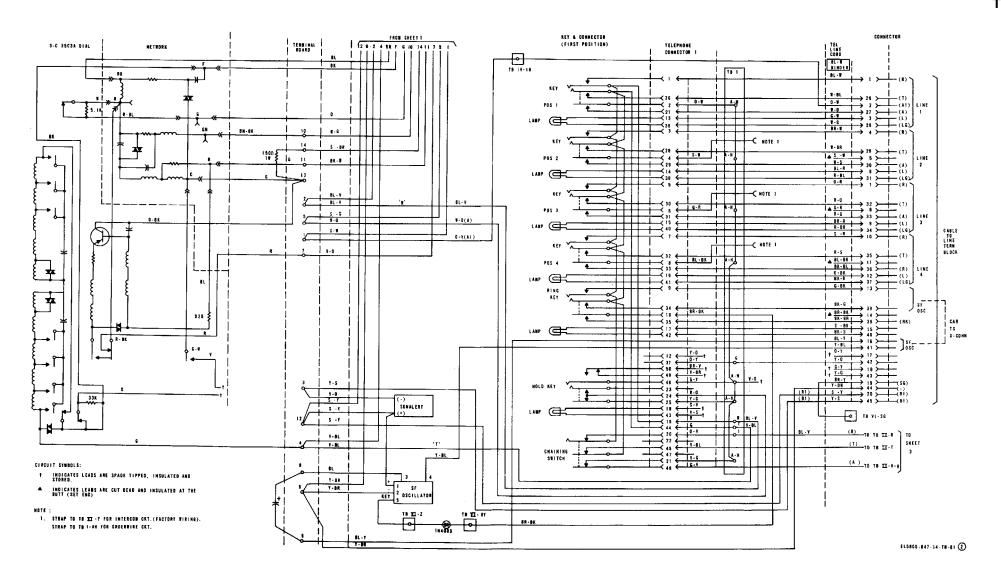


Figure FO-5(2). Remote Link Orderwire Unit TA-924/FSC, wiring diagram (sheet 2 of 3)

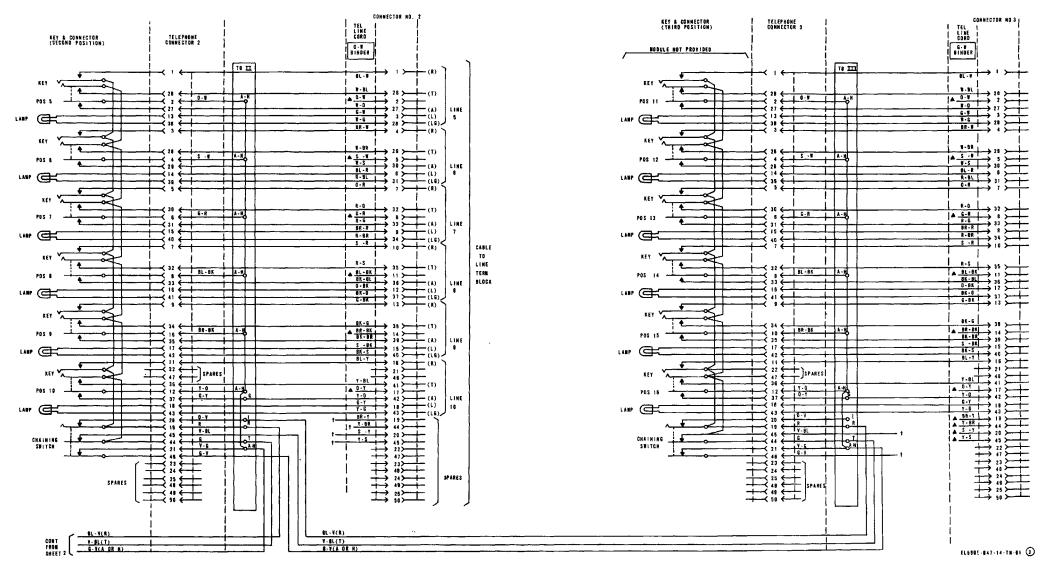


Figure FO-5(3). Remote Link Orderwire Unit A-924/FSC, wiring(sheet 3 of 3)

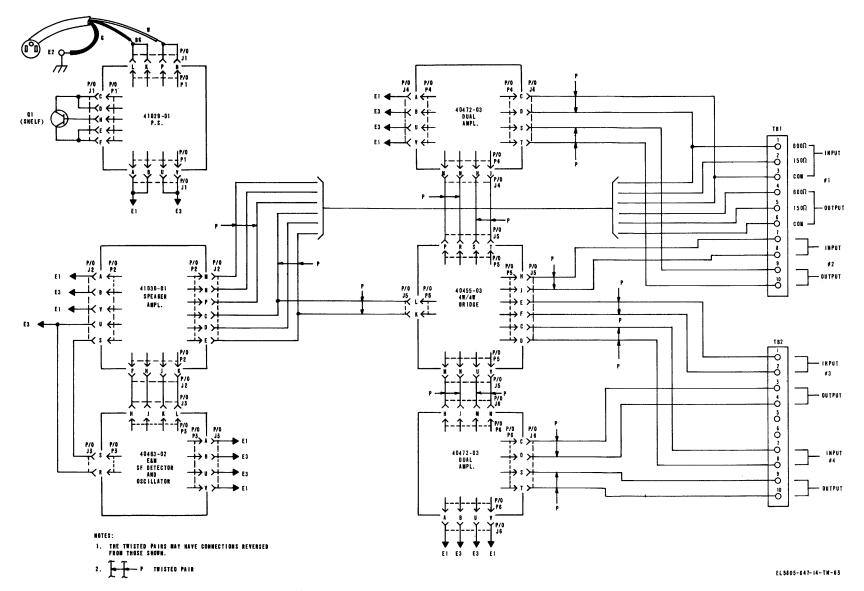


Figure FO-6. Local Orderwire Unit 41010-97, interconnection wiring diagram.

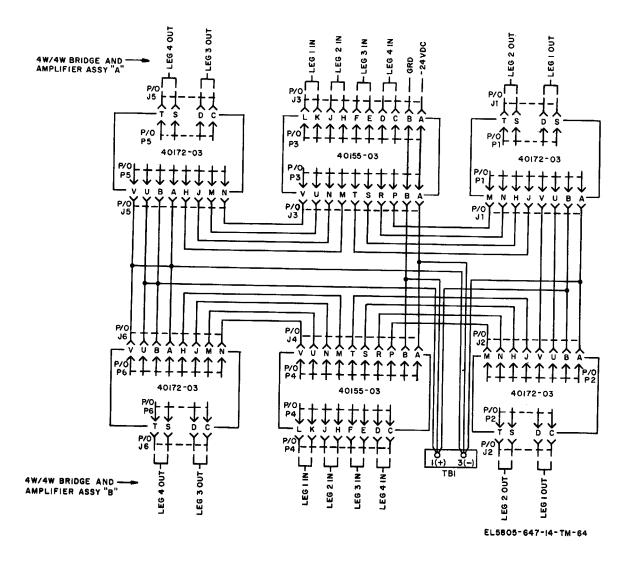


Figure FO-7. 4-Way/4-wire bridge and amplifier assembly 40155-03, intrawiring diagram.

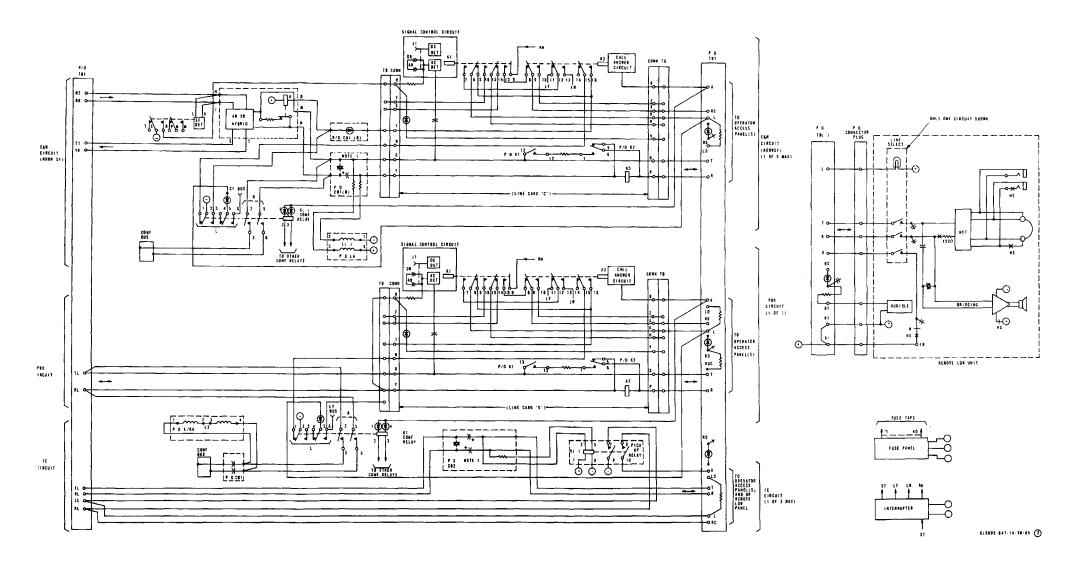


Figure FO-8(1). Orderwire/intercom (EOW sites), functional diagram (sheet 1 of 2)

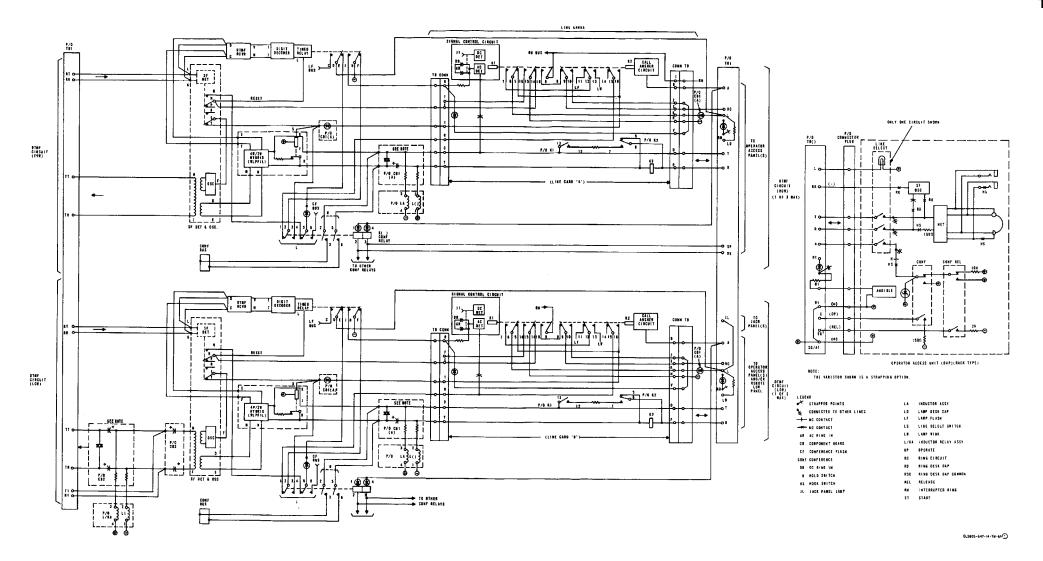


Figure FO-8(2). Orderwire/intercom (EOW sites), functional diagram (sheet 2 of 2).

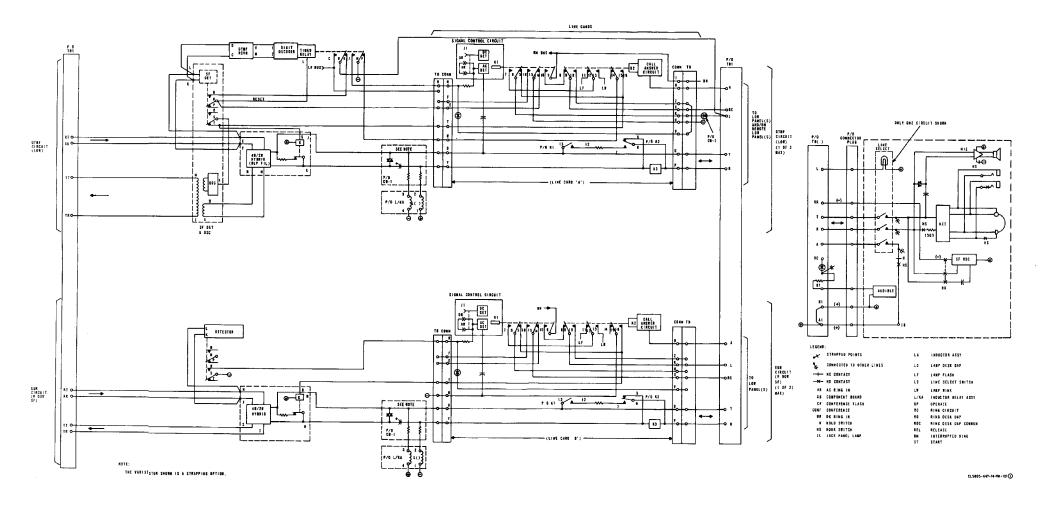


Figure FO-9(1). Orderwire/intercom (LOW sites), functional diagram (sheet 1 of 2).

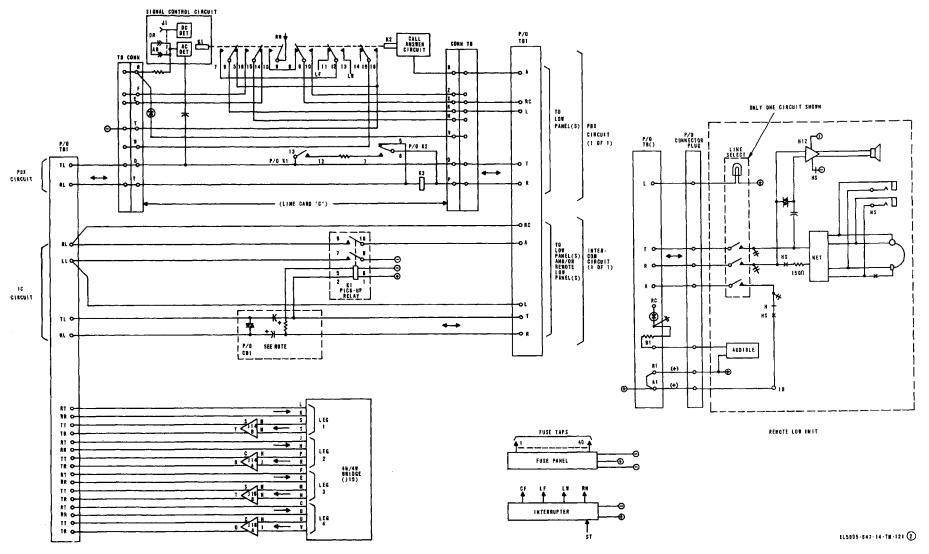


Figure FO-9(2). Orderwire/intercom (LOW sites), functional diagram (sheet 2 of 2).

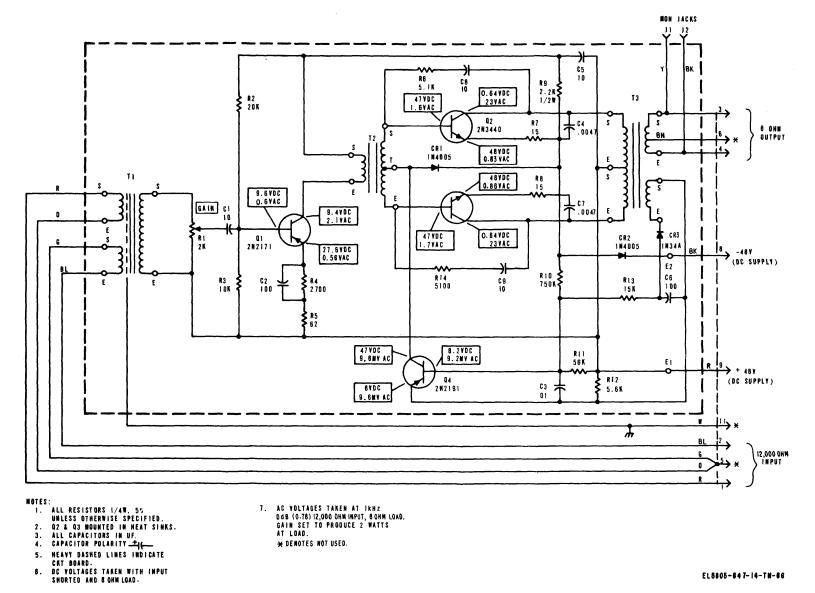


Figure FO-10. Power amplifier, type TLC410, schematic diagram.

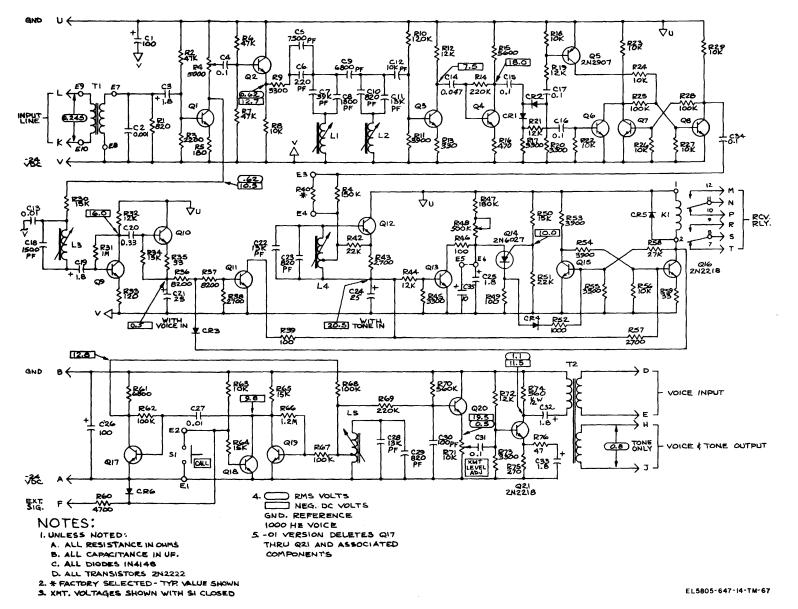


Figure FO-11. S.F. detector and oscillator 41063-02, schematic diagram.

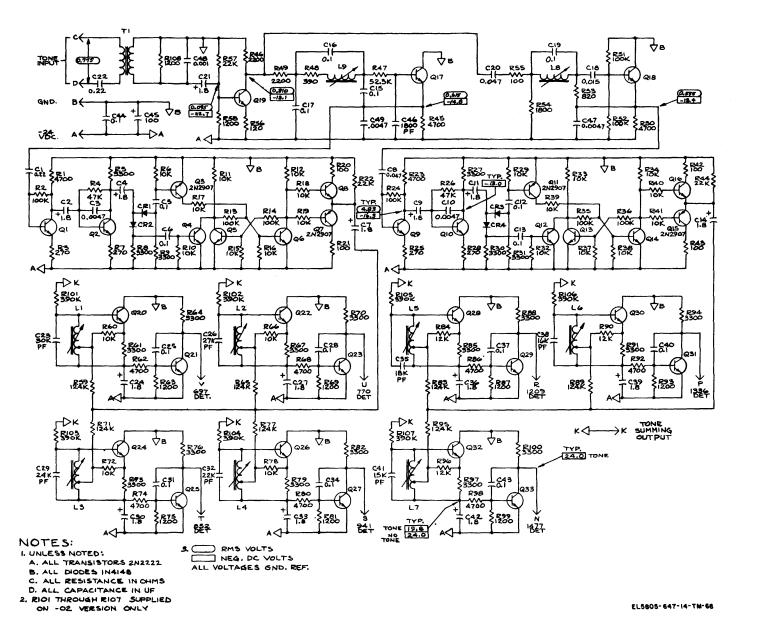


Figure FO-12. DTMF tone receiver 40452-01, schematic diagram.

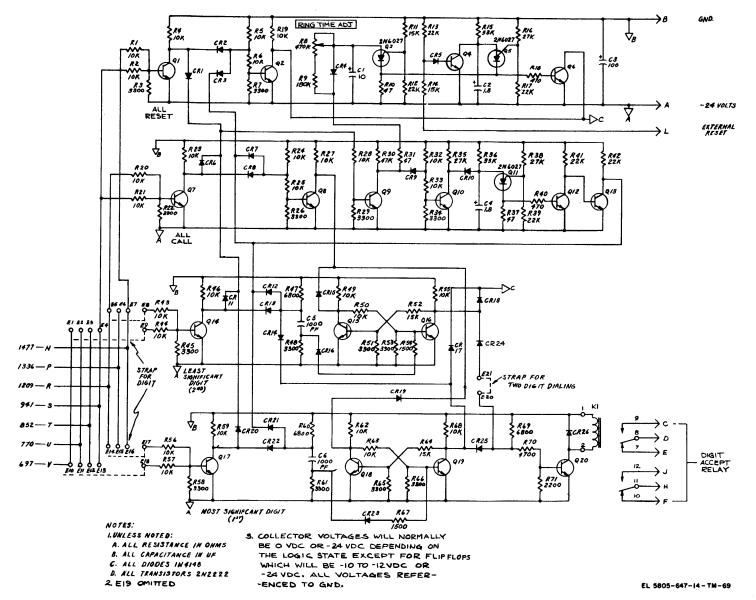


Figure FO-13. Digit decoder 40451, schematic diagram.

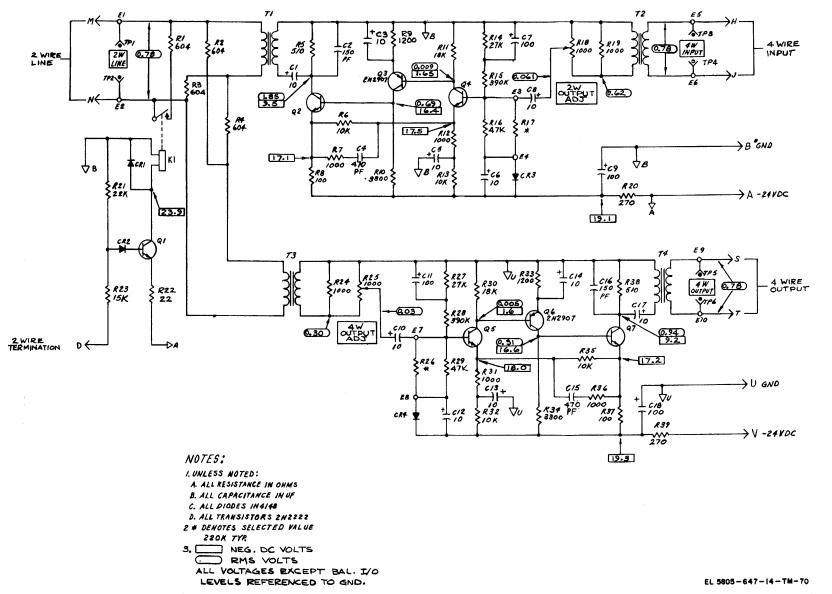


Figure FO-14. 4W/2W hybrid 49008-02, schematic diagram.

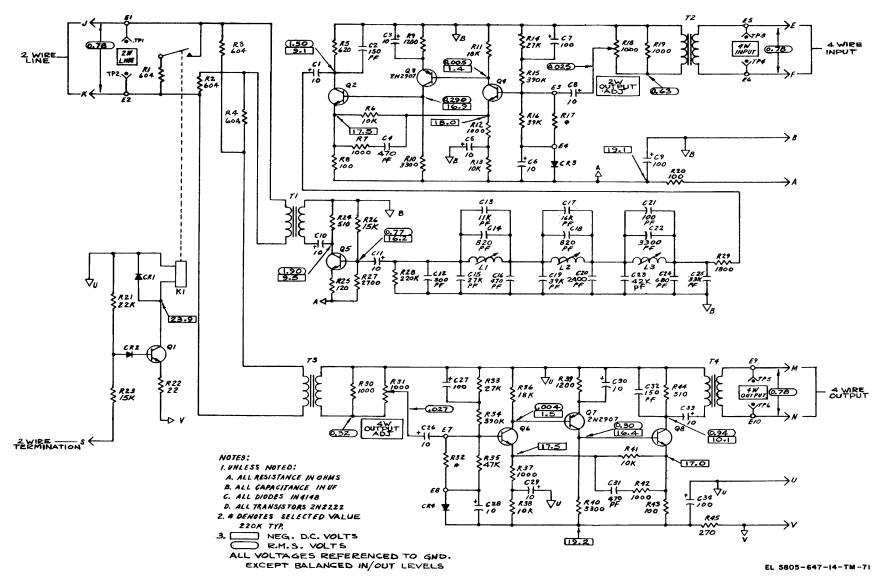


Figure FO-15. 4W/2W hybrid 49008-01, schematic diagram.

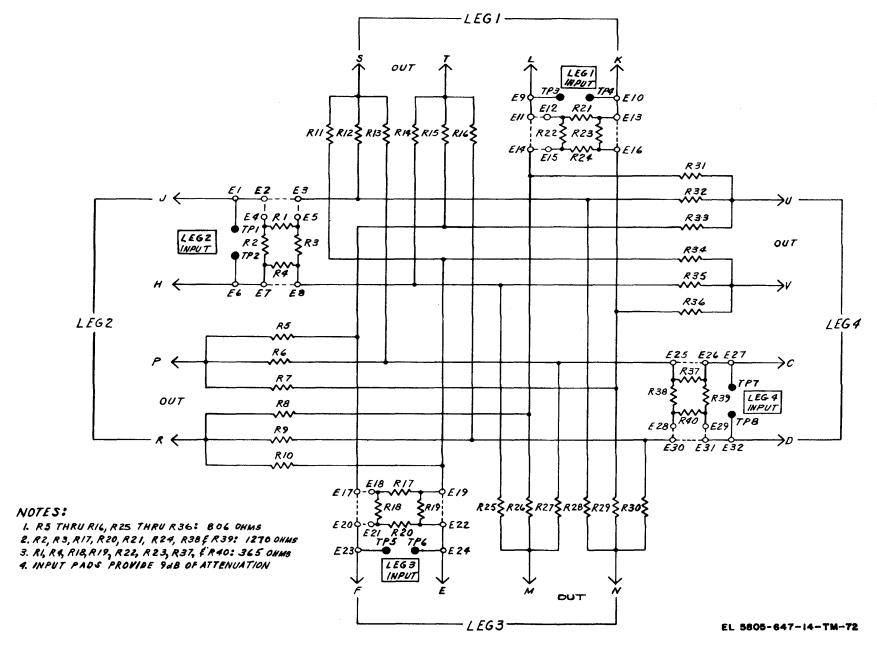


Figure FO-16. 4-way/4-wire bridge 40155/40455-03, schematic diagram.

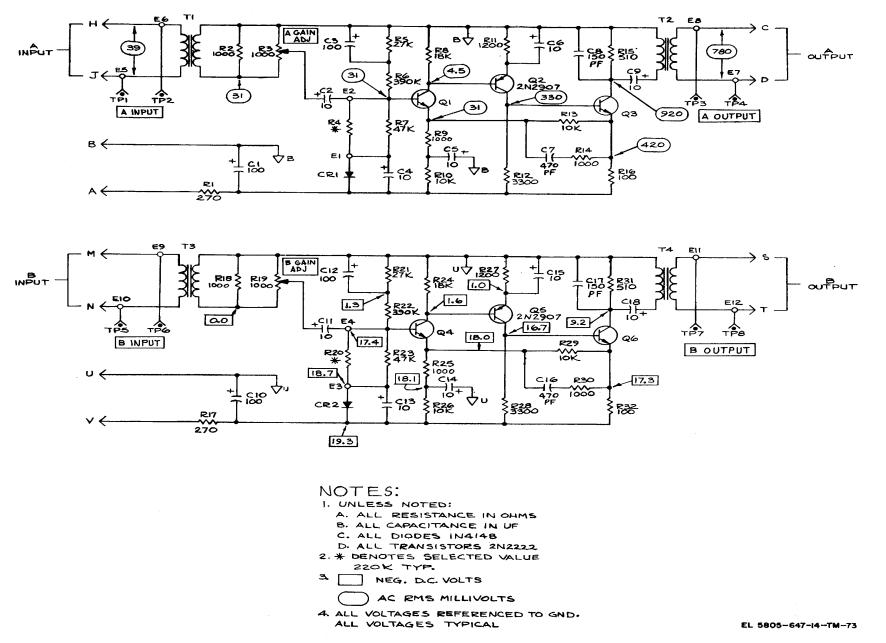
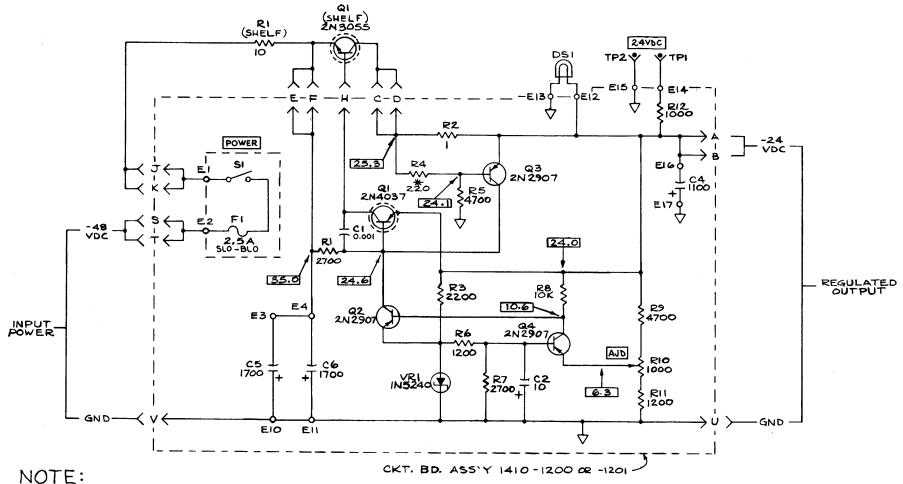


Figure FO-17. Dual amplifier 40172/40472-03, schematic diagram.



- I. Q1 AND R1 MOUNTED ON SHELF REAR PANEL (SHELF).
- 2. FI, SI, DSI, TPI AND TP2 MOUNTED ON 41028 ASS'Y FRONT PANEL.
- 3. ALL RESISTANCE IN OHMS.
- 4. ALL CAPACITANCE IN UF.
- 5. UNUSED TERMINALS NOT SHOWN.
- 6. ___ NEGATIVE D.C. VOLTS . GND REFERENCE .
- 7. * FACTORY SELECTED TYP. VALUE SHOWN

EL 5805-647-14-TM-74

Figure FO-18. Dc-dc power supply 41028-01, schematic diagram

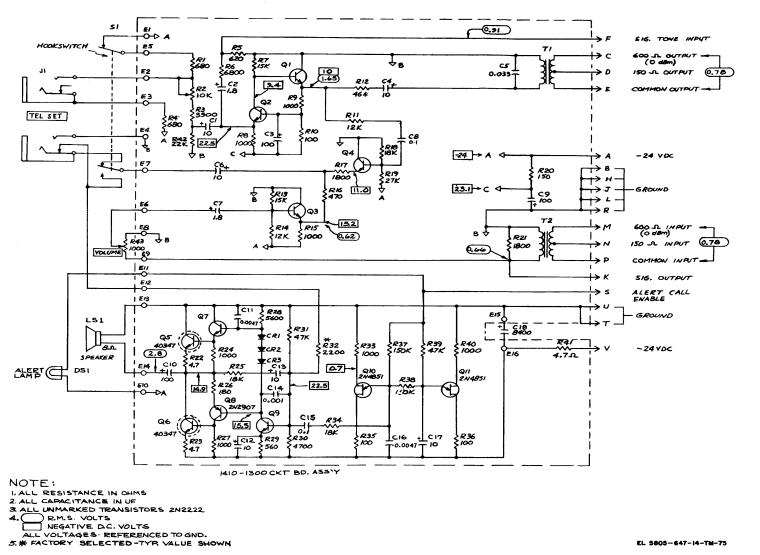
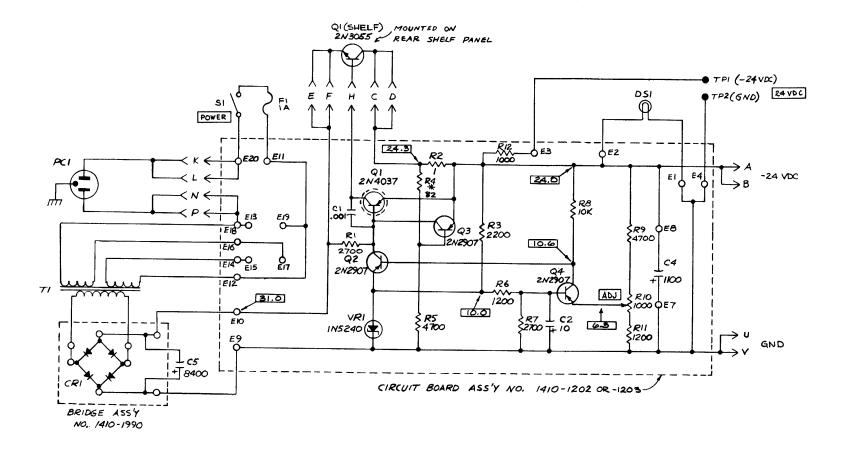


Figure FO-19. Speaker amplifier 41030-01, schematic diagram.



NOTES:

- I. FOR 120 VAC INPUT STRAP EI3 TO EI5 AND STRAP EI7 TO EI9
- 2. FOR 220 VAC INPUT STRAP EIS TO EI7
- 3. ALL RESISTANCE IN OHMS
- 4. ALL CAPACITANCE IN UF
- 5 UNUSED TERMINALS NOT SHOWN
- 6. NEG. DC VOLTS, GND. REFERENCE.
- 7. * SELECTED VALUE TYP VALUE SHOWN

EL 5805-647-14-TM-76

Figure FO-20. Power supply 40129-01, schematic diagram.

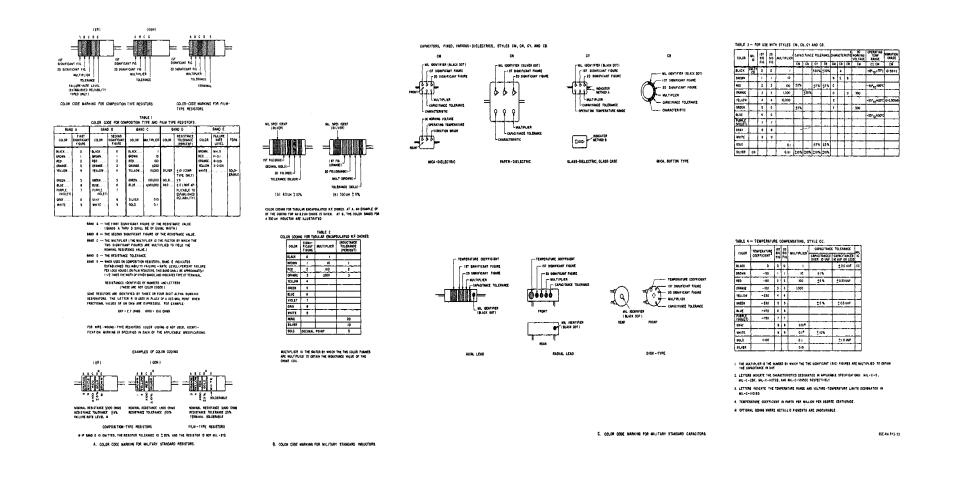


Figure FO-21. Color code markings for MIL-STD resistors, inductors, and capacitors.

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