

TECHNICAL MANUAL

**DIRECT SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST**

RECEIVER-TRANSMITTER, RADIO

RT- 1523A(C)/U

(NSN 5820-01-318-7990) (EIC: N/A)

RECEIVER-TRANSMITTER,RADIO

RT- 1523D(C)/U

(NSN 5820-01-410-8981) (EIC: N/A)

MOUNTING BASE, ELECTRICAL EQUIPMENT

MT-6352A/VRC

(NSN 5975-01-304-2050) (EIC: N/A)

CONTROL-MONITOR

C-11291A/VRC

(NSN 5895-01-309-1309) (EIC: N/A)

BATTERY BOX

CY-8523B/PRC

(NSN 6160-01-304-2034) (EIC: N/A)

AMPLIFIER, RADIO FREQUENCY

AM-7238A/VRC

(NSN 5895-01-306-8093) (EIC: N/A)

AMPLIFIER-ADAPTER, VEHICULAR

AM-7239A/VRC

(NSN 5895-01-304-8389) (EIC: N/A)

AMPLIFIER-ADAPTER, VEHICULAR

AM-7239D/VRC

(NSN 5895-01-422-8781) (EIC: N/A)

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1 SEPTEMBER 1998

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**RECEIVER-TRANSMITTER, RADIO
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(NSN 5895-01-422-8781) (EIC: N/A)**

Current as of 31 July 1998

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms) or DA Form 2028-2 located in back of this manual direct to: Commander, US Army Communication-Electronics Command and Fort Monmouth, ATTN: AMSEL-LC-LEO-D-CS-CFO, Fort Monmouth, NJ 07703-5007. The FAX number is 732-532-1413, DSN 992-1413. You may also e-mail your recommendations to AMSEL-LC-LEO-PUBS-CHG@cecom3.monmouth.army.mil

In either case a reply will be furnished direct to you.

* This manual supersedes TM 11-5820-890-30P-2, dated 1 March 1996.

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SECTION I INTRODUCTION

1. Scope

This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of unit and direct support maintenance of the AN/PRC-119A, AN/PRC-119D, AN/VRC-87A, AN/VRC-87D, AN/VRC-88A, AN/VRC-88D, AN/VRC-89A, AN/VRC-89D, AN/VRC-90A, AN/VRC-90D, AN/VRC-91A, AN/VRC-91D, AN/VRC-92A and AN/VRC-92D. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the source, maintenance and recoverability (SMR) codes.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. Section II, Repair Parts List. A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending numeric sequence, with the parts in each group listed in ascending item number sequence. Figure numbers are listed directly beneath the group header. Repair part kits are listed separately in their own functional group within section II. Repair parts for repairable special tools are also listed in this section. Items are shown on the associated illustration.

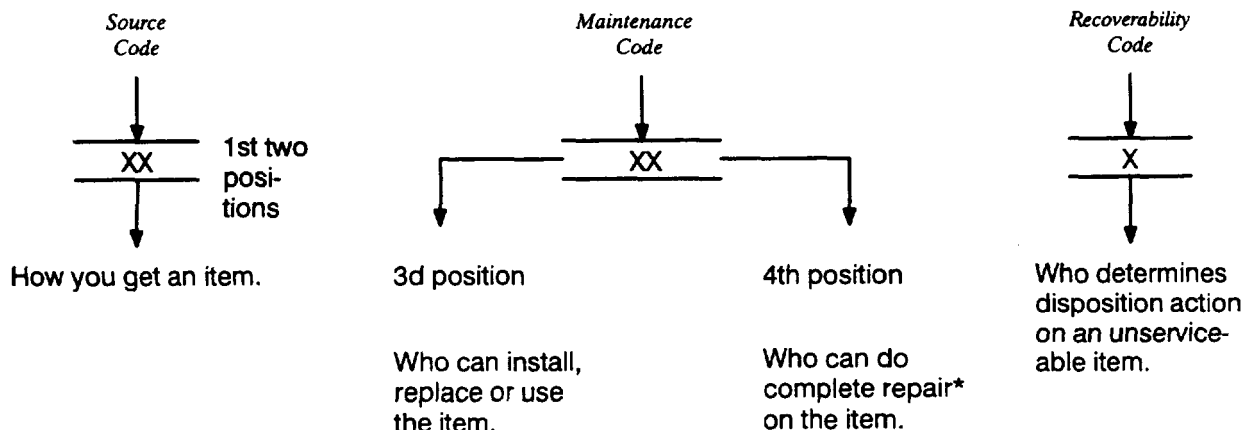
b. Section III, Special Tool List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE (UOC) column (6) for the performance of maintenance.

c. Section IV. Cross-Reference Indexes. There are two cross-reference indexes in this RPSTL: the National Stock Number Index and the Part Number Index. The National Stock Number Index refers you to the figure and item number. The Part Number Index refers you to the figure and item number.

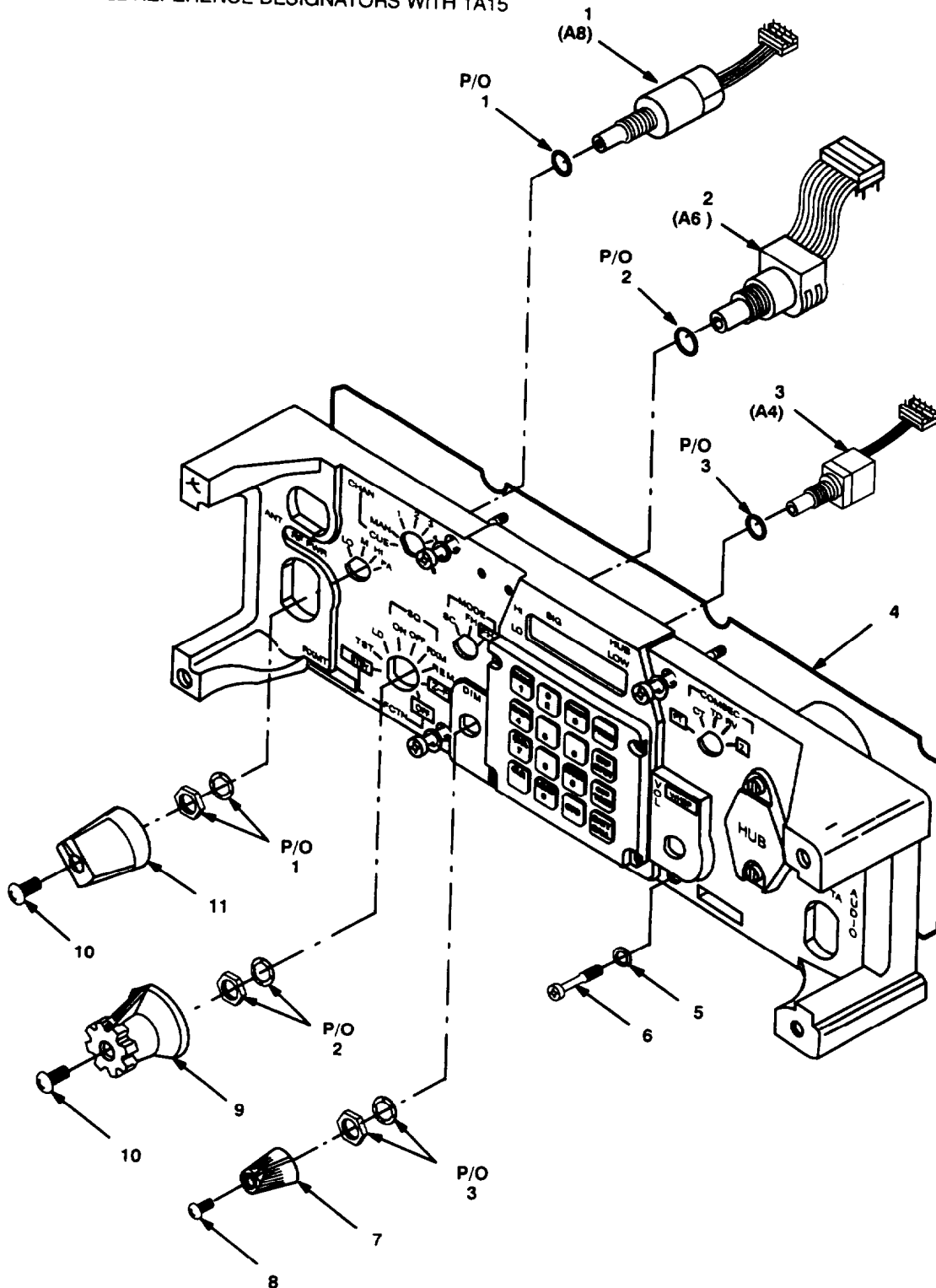
3. Explanation of Columns (Sections II and III)

a. Item No. (Column (1)). Indicates the number used to identify items called out in the illustration.

b. SMR CODE (Column (2)). The source, maintenance, and recoverability (SMR) code is a five-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instruction as shown in the following breakout:



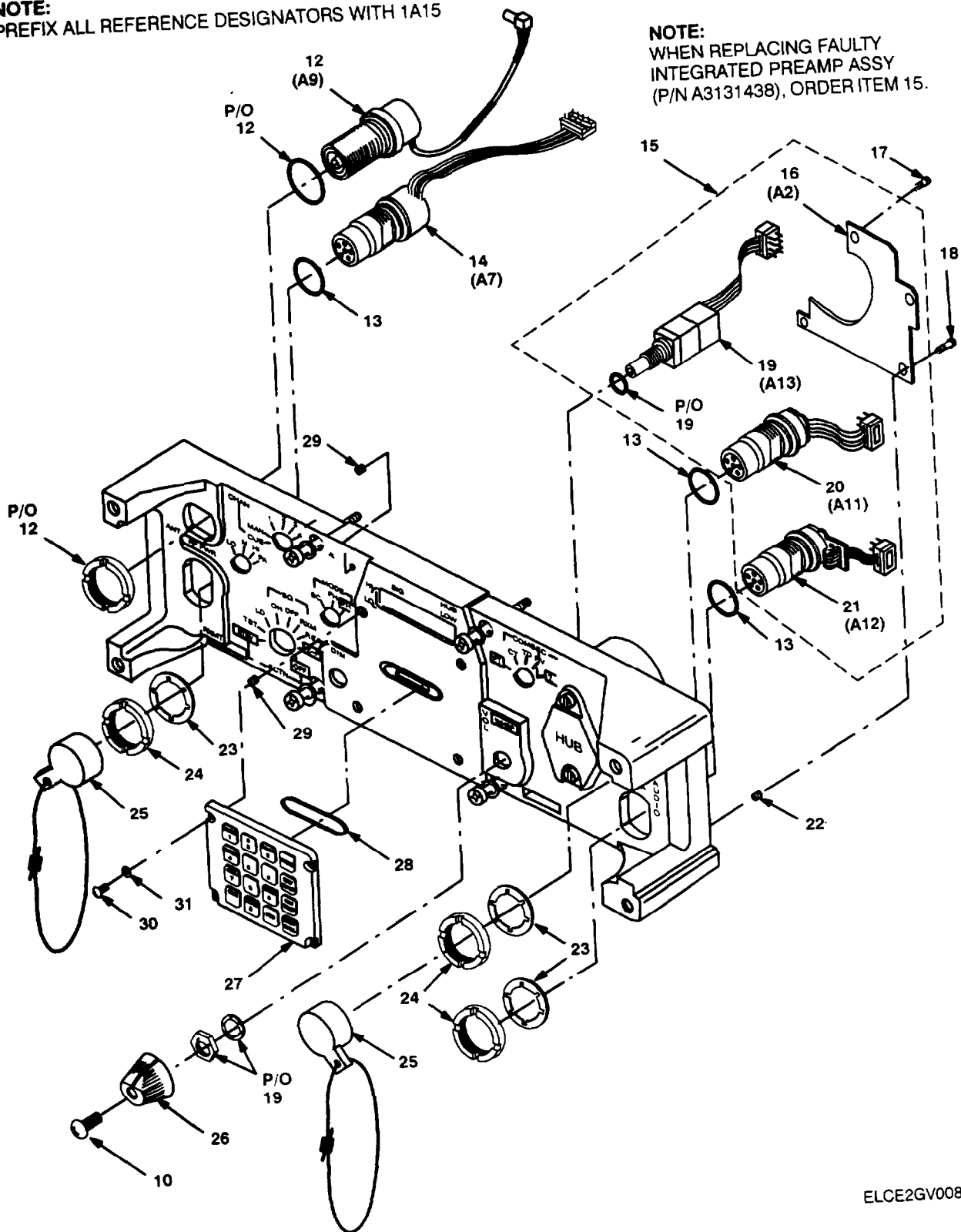
NOTE:
PREFIX ALL REFERENCE DESIGNATORS WITH 1A15



ELCE2GV008-1C

Figure 3. Front Panel Assembly RT-1523A(C)/U (Sheet 1 of 3).

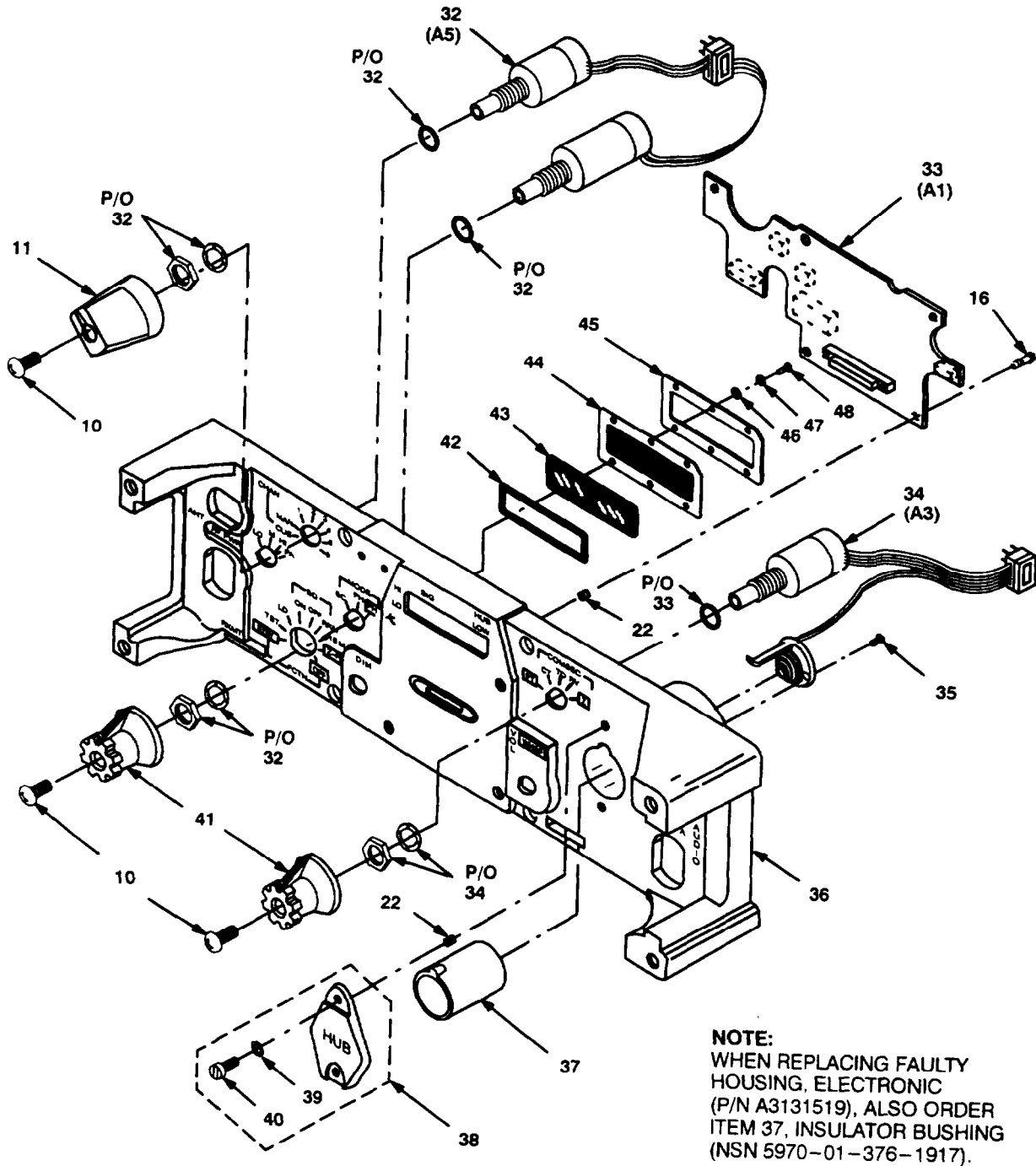
NOTE:
PREFIX ALL REFERENCE DESIGNATORS WITH 1A15



ELCE2GV008-2E

Figure 3. Front Panel Assembly (Sheet 2 of 3).

NOTE:
PREFIX ALL REFERENCE DESIGNATORS WITH 1A15



ELCE2GV008-3F

Figure 3. Front Panel Assembly RT-1523A(C)/U (Sheet 3 of 3).

SECTION II		TM11-5820-890-30P-2				
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 8016 FRONT PANEL ASSEMBLY						
FIGURE 3						
1	PAFZZ	5930013512355	80063	A3131326	SWITCH, ROTARY SWITCH ASSY, RF POWER.	1
2	PAFZZ	5930013512354	80063	A3131744	SWITCH, ROTARY FUNCTION(SERIAL NUMBER EFFECTIVITY 00551 THRU 02275) UOC:JPK	1
2	PAFZZ	5930013761999	80063	A3131812	SWITCH, ROTARY FUNCTION(SERIAL NUMBER EFFECTIVITY 02276 AND SUBSEQUENT)	1
3	PAFZZ	5905013614294	80063	A3131768	RESISTOR, VARIABLE, N POTENTIOMETER ASSY, DIM	1
4	PCFZZ	5330013514346	80063	A3131390-2	GASKET	1
5	PAFZZ	5310013517944	80205	NAS620C8LP	WASHER, FLAT	4
6	PAFZZ	5305013514308	80063	A3131761-4	SCREW, CAP, SOCKET HE	4
7	PAOZZ	5355013821108	80063	A3131446	KNOB DIR	1
8	PAOZZ	5305013762203	80063	A3131849	SCREW, MACHINE	1
9	PAOZZ	5355013512337	80063	A3131425	KNOB FUNCTION-RT	1
10	PAOZZ	5305013742158	80063	A3131789	SCREW, MACHINE	6
11	PAOZZ	5355013512339	80063	A3131423	KNOB PWR/CHAN	2
12	PAFZZ	5935013518387	80063	A3131691-2	CONNECTOR ASSEMBLY, RF CONNECTOR	1
13	PCFZZ	5330014060483	80063	A3131644	O-RING	3
14	PAFZZ	5935013514557	80063	A3131799	CONNECTOR ASSEMBLY, CONNECTOR ASSEMBLY, RETRANSMIT	1
15	PAFFF	5998014123321	80063	A3131797	CIRCUIT CARD ASSEMB PREAMP ASSY (CAUTION-STATIC SENSITIVE)	1
16	PAFZZ	5998014121326	80063	A3131548	CIRCUIT CARD ASSEMB PREAMP UOC:KWD	1
17	PAFZZ	5305013990473	80063	A3131745-4	SCREW, SHOULDER	7
18	PAFZZ	5305013514469	80063	A3131745-3	SCREW, MACHINE	2
19	PAFZZ	5905014154146	80063	A3131626	RESISTOR, VARIABLE, N VOLUME UOC:KWD	1
20	PAFZZ	5935014142631	80063	A3131786	CONNECTOR ASSEMBLY, FILL UOC:KWD	1
21	PAFZZ	5935014157715	80063	A3131382	CONNECTOR ASSEMBLY, DATA UOC:KWD	1
22	PAFZZ	5325010114140	96906	MS21209C0410L	INSERT, SCREW THREAD	11
23	PAFZZ	5310013811748	16870	25631-1	WASHER, LOCK	3
24	PAFZZ	5310013996997	80063	A3131643	NUT, PLAIN, ROUND	3
25	PAOZZ	5340013996114	80063	A3131669-4	CAP, PROTECTIVE, DUST	2
26	PAOZZ	5355013512338	80063	A3131422	KNOB VOLUME	1
27	PAFZZ	5895013514486	80063	A3131755-1	KEYBOARD, DATA ENTRY (SERIAL NUMBER EFFECTIVITY 00551 THRU 02275) UOC:JPK	1
27	PAFZZ	5895013890640	80063	A3131755-2	KEYBOARD, DATA ENTRY (SERIAL NUMBER EFFECTIVITY 02276 AND SUBSEQUENT)	1
28	PCFZZ	5330011079249	81349	M83461/1-024	O-RING	1
29	PAFZZ	5325010239473	96906	MS21209C0210L	INSERT, SCREW THREAD 2-56 X 1	6
30	PAFZZ	5305002240783	96906	MS51957-4B	SCREW, MACHINE	4
31	PAFZZ	5310013538618	80205	NAS620C2P	WASHER, FLAT	4

SECTION II		TM 11-5820-890-30P-2					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
ITEM NO	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY	
32	PAFZZ	5930013512353	80063	A3131742	SWITCH, ROTARY CHANNEL/MODE	1	
33	PAFZZ	5998013068158	80063	A3131400	CIRCUIT CARD ASSEMB DISPLAY, CAUTION-STATIC SENSITIVE) (SERIAL NUMBER EFFECTIVITY 00551 THRU 02275) UOC:JPK	1	
33	PAFZZ	5998013749920	80063	A3131440	CIRCUIT CARD ASSEMB DISPLAY (CAUTION-STATIC SENSITIVE)(SERIAL NUMBER EFFECTIVITY 02276 AND SUBSEQUENT)	1	
34	PAFZZ	5995013512374	80063	A3131707	CABLE ASSEMBLY, SPEC COMSEC/HUB SWITCH ASSEMBLY	1	
36	PAFZZ	5305000311042	96906	MS24693-2B	SCREW, MACHINE	2	
36	PAFFF	5999013890634	80063	A3131946	HOUSING, ELECTRONIC (WHEN REPLACING HOUSING, ELECTRONIC P/N A3131519, ALSO ORDER INSULATOR BUSHING. NSN 5970-01-376-1917)	1	
37	PA0ZZ	5970013517924	80063	A3131778	INSULATOR, BUSHING HUB SLEEVE(SERIAL NUMBER EFFECTIVITY 00551 THRU 02275) (USE WITH ITEM 36, P/N A3131519) UOC:JPK	1	
37	PA0ZZ	5970013761817	80063	A3131647	INSULATOR, BUSHING HUB SLEEVE, (SERIAL NUMBER EFFECTIVITY 02276 AND SUBSEQUENT) (USE WITH ITEM 36, P/N A3131946)	1	
38	PA0ZZ	5895013514535	80063	A3131670	COVER, ELECTRONIC CO	1	
39	PA0ZZ	5310013534941	80205	NAS620C4LP	WASHER, FLAT	2	
40	PA0ZZ	530501521691	80063	A3131431	SCREW, MACHINE	2	
41	PA0ZZ	5355013518003	80063	A3131424	KNOB COMSEC/MODE	2	
42	PCFZZ	5330013392710	80063	A3131934	GASKET	1	
43	PAFZZ	9340014000623	80063	A3131922-3	WINDOW,OBSERVATION	1	
44	PAFZZ	5330013514345	80063	A3131388	GASKET ELEC WINDOW	1	
45	XBZZ	567003514452	80063	A3131389	FRAME, OBSERVATION W	1	
46	PAFZZ	5310000434708	80205	NAS620C2	WASHER, FLAT	6	
47	PAFZZ	5310009282690	96906	MS35338-134	WASHER, LOCK	6	
48	PAFZZ	5305000545637	96906	5 1 % 7 - 3	SCREW, MACHINE	6	

END OF FIGURE