

**UNIT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
FOR
RADIO SETS**

**AN/PRC-119F
(NSN 5820-01-451-8252) (EIC: N/A)**

**AN/VRC-87F
(NSN 5820-01-451-8248) (EIC: N/A)**

**AN/VRC-88F
(NSN 5820-01-452-8435) (EIC: N/A)**

**AN/VRC-89F
(NSN 5820-01-451-8247) (EIC: N/A)**

**AN/VRC-90F
(NSN 5820-01-451-8246) (EIC: N/A)**

**AN/VRC-91F
(NSN 5820-01-451-8249) (EIC: N/A)**

AND

**AN/VRC-92F
(NSN 5820-01-451-8250) (EIC: N/A)**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY
1 FEBRUARY 2003**

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Technical Manual

No. 11-5820-890-20P-2

HEADQUARTERS,
Department of the Army
Washington, D.C., 1 February 2003

UNIT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST FOR RADIO SETS

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Current as of 1 October 2002

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 Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-LC-LEO-D-CS-CFO, Fort Monmouth, New Jersey 07703-5006. 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

A reply will be furnished direct to you.

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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 AN/PRC-119F, AN/VRC-87F, AN/VRC-88F, AN/VRC-89F, AN/VRC-90F, AN/VRC-91F, and AN/VRC-92F. 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 reparable special tools are also listed in this section. Items are shown on the associated illustration.

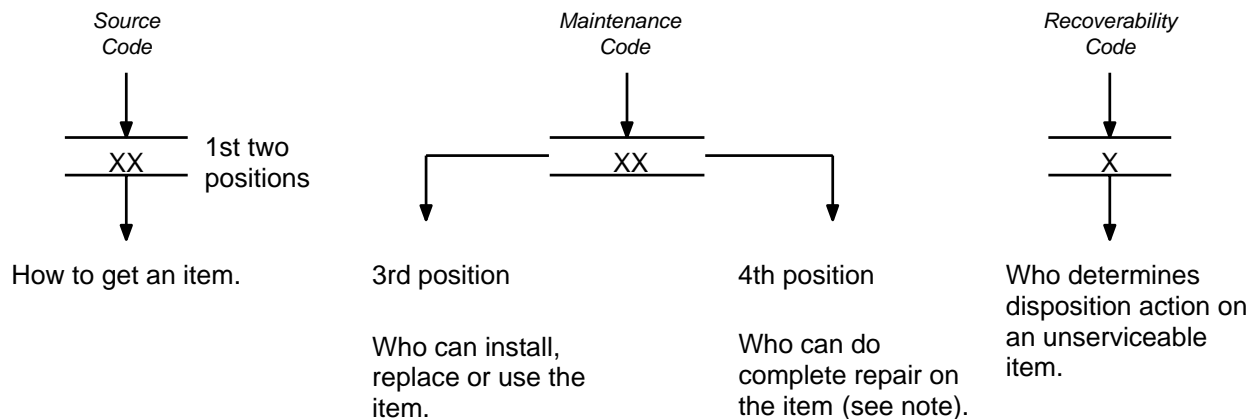
b. Section III, Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE (UOC) column (5) for the performance of maintenance.

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

Complete repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

(1) *Source Code*. The source code tells you how to get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follows:

Code

Explanation

PA
PB
PC
PD
PE
PF
PG

Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the source code entered in the third position of the SMR code.

NOTE

Items coded PC are subject to deterioration.

KD
KF
KB

Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category indicated in the third position of the SMR code. The complete kit must be requisitioned and applied.

MO — Made at org/
AVUM category
MF — Made at DS/
AVIM category
MH — Made at GS
category
ML — Made at Spec-
ialized Repair
Activity (SRA)
MD — Made at Depot

Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the description and usable on code (UOC) column and listed in the Bulk Material group of the repair parts list. If the item is authorized to you by the third position code of the SMR code, but the source code indicates it is made at a higher category, order the item from the higher category of maintenance.

AO — Assembled by org/
AVUM category
AF — Assembled by DS/
AVIM category
AH — Assembled by GS
category
AL — Assembled by SRA
AD — Assembled by Depot

Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the category of maintenance indicated by the source code. If the disposition code of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher category, order the item from the higher category of maintenance.

XA — Do not requisition an "XA" coded item. Order its next higher assembly.

XB — If an "XB" item is not available from salvage, order it using the CAGEC and part number given.

XC — Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturers part number.

XD — Item is not stocked. Order an "XD" coded item through normal supply channels using the CAGEC and part number given, if no NSN is available.

NOTE

Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA" or those aircraft support items restricted by requirements of AR 750-1.

(2) *Maintenance Code.* Maintenance codes tell you the category of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows:

(a) The maintenance code entered in the third position tells you the lowest maintenance category authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to one of the following categories of maintenance.

<i>Code</i>	<i>Application/Explanation</i>
C	— Crew or operator maintenance done within organizational or aviation maintenance.
O	— Organizational or aviation unit category can remove, replace, and use the item.
F	— Direct support or aviation intermediate category can remove, replace, and use the item.
H	— General support category can remove, replace, and use the item.
L	— Specialized repair activity can remove, replace, and use the item.
D	— Depot category can remove, replace, and use the item.

(b) The maintenance code entered in the fourth position tells whether or not the item is to be repaired and identifies the lowest maintenance category with the capability to do complete repair (i.e., perform all authorized repair functions). This position will contain one of the following maintenance codes.

NOTE

Some limited repair may be done on the item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes.

<i>Code</i>	<i>Application/Explanation</i>
O	— Organizational or aviation unit is the lowest category that can do complete repair of the item.
F	— Direct support or aviation intermediate is the lowest category that can do complete repair of the item.
H	— General support is the lowest category that can do complete repair of the item.
L	— Specialized repair activity (designated the special repair activity) is the lowest category that can do complete repair of the item.
D	— Depot is the lowest category that can do complete repair of the item.
Z	— Nonreparable. No repair is authorized.
B	— No repair is authorized. (No parts or special tools are authorized for the maintenance of a "B" coded item.) However, the item may be reconditioned by adjusting, lubricating, etc., at the user category.

(3) *Recoverability Code.* Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the SMR Code as follows:

<i>Recoverability codes</i>	<i>Application/Explanation</i>
Z	— Nonreparable item. When unserviceable, condemn and dispose of the item at the category of maintenance shown in the third position of SMR code.
O	— Repairable item. When uneconomically repairable, condemn and dispose of the item at organizational or aviation unit category.
F	— Repairable item. When uneconomically repairable, condemn and dispose of the item at the direct support or aviation intermediate category.
H	— Repairable item. When uneconomically repairable, condemn and dispose of the item at general support category.
D	— Repairable item. When beyond lower category repair capability, return to depot. Condemnation and disposal of item not authorized below depot category.
L	— Repairable item. Condemnation and disposal not authorized below specialized repair activity (SRA).
A	— Item requires special handling or condemnation procedures because of specific reasons (e.g., precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. *NSN (Column (3))*. The national stock number for the item is listed in this column.

d. *CAGEC (Column (4))*. The Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

e. *Part Number (Column (5))*. Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

NOTE

When you use an NSN to requisition an item, the item you receive may have a different part number from the part ordered.

f. *Description and Usable on Code (UOC) (Column (6))*. This column includes the following information:

(1) The Federal item name and, when required, a minimum description to identify the item.

(2) The statement "END OF FIGURE" appears just below the last item description in Column (5) for a given figure in both section II and section III.

g. *Qty (Column (7))*. Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that the quantity is variable and the quantity may vary from application to application.

4. Explanation of Columns (Section IV)

a. *National Stock Number (NSN) Index*.

(1) *Stock number column*. This column lists the NSN by National item identification number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN.

NSN
(e.g., 5385-01-574-1476)

When using this column to locate an item, ignore the first four digits of the NSN. Use the complete NSN (13 digits) when requisitioning items by stock number.

(2) *Fig. column*. This column lists the number of the figure where the item is identified/located. The illustrations are in numerical sequence in sections II and III.

(3) *Item column*. The item number identifies the item associated with the figure listed in the adjacent Fig. column. This item is also identified by the NSN listed on the same line.

b. *Part Number Index*. Part numbers in this index are listed by part number in ascending alphanumeric sequence.

(1) *CAGEC column*. This column lists the Commercial and Government Entity Code (CAGEC).

(2) *Part number column*. This column indicates the part number assigned to the item.

(3) *Stock number column*. This column lists the National stock number for the associated part number and manufacturer identified in the part number and CAGEC columns to the left.

(4) *Fig. column*. This column lists the number of the figure where the item is identified/located in sections II and III.

(5) *Item column*. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

5. Special Information

a. *Associated Publications.* The following publications pertain to SINCGARS Ground Radio Sets:

TM 11-5820-890-20-1 Unit Maintenance Manual for Radio Sets AN/PRC-119A, AN/PRC-119D, AN/PRC-119F, AN/VRC-87A, AN/VRC-87D, AN/VRC-87F, AN/VRC-88A, AN/VRC-88D, AN/VRC-88F, AN/VRC-89A, AN/VRC-89D, AN/VRC-89F, AN/VRC-90A, AN/VRC-90D, AN/VRC-90F, AN/VRC-91A, AN/VRC-91D, AN/VRC-91F, AN/VRC-92A, AN/VRC-92D and AN/VRC-92F.

TM 11-5820-890-20-2 Unit Maintenance Manual for Radio Sets AN/PRC-119A, AN/PRC-119D, AN/PRC-119F, AN/VRC-87A, AN/VRC-87D, AN/VRC-87F, AN/VRC-88A, AN/VRC-88D, AN/VRC-88F, AN/VRC-89A, AN/VRC-89D, AN/VRC-89F, AN/VRC-90A, AN/VRC-90D, AN/VRC-90F, AN/VRC-91A, AN/VRC-91D, AN/VRC-91F, AN/VRC-92A, AN/VRC-92D and AN/VRC-92F.

TM 11-5820-890-20P-1 Unit Maintenance Repair Parts and Special Tools List for Radio Sets AN/PRC-119, AN/PRC-119A, AN/PRC-119D, AN/VRC-87, AN/VRC-87A, AN/VRC-87D, AN/VRC-88, AN/VRC-88A, AN/VRC-88D, AN/VRC-89, AN/VRC-89A, AN/VRC-89D, AN/VRC-90, AN/VRC-90A, AN/VRC-90D, AN/VRC-91, AN/VRC-91A, AN/VRC-91D, AN/VRC-92, AN/VRC-92A and AN/VRC-92D.

b. *Illustrations-Listing.* Only those parts coded "O", "F" in the third position of the SMR code are listed in the tabular listing. Only illustrations containing unit and direct support authorized items appear in this manual.

c. *National Stock Numbers.* National Stock Numbers (NSNs) that are missing from "P" source coded items have been applied for and will be added to this TM by future change/revision when they are entered in the Army Master Data File (AMDF). Until the NSNs are established and published, submit exception requisition to: US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-LC-COM-R-SR, Fort Monmouth, NJ 07703-5023 for the part required to support your equipment.

d. *Serial Number Effectivity.* When part numbers of spare/repair items are not the same for all serial numbered equipment, of the same model, serial number effectivity will identify the correct parts to be ordered. The serial number effectivity that appears in the tabular list is the serial number effectivity for the next higher assembly. If a figure has more than one model, both models will be shown, each with its own serial number effectivity. If a part in the tabular list does not have a serial number effectivity then that part can be used in any model. Whereas, if a part has a serial number effectivity, it is model unique and can only be used in the model marked with the same serial number effectivity.

6. How to Locate Repair Parts

a. *When National Stock Number or Part Number is Not Known.*

(1) *First* Using the table of contents, determine the assembly group or subassembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and listings are divided into the same groups.

(2) *Second.* Find the figure covering the assembly group or subassembly group to which the item belongs.

(3) *Third.* Identify the item on the figure and note the item number.

(4) *Fourth.* Refer to the Repair Parts List for the figure and item numbers. The NSNs and part numbers are on the same line as the associated item numbers.

b. *When National Stock Number or Part Number is Known.*

(1) *First.* If you have the national stock number, look in the STOCK NUMBER column of the National Stock Number Index. The NSN is arranged in national item identification number (NIIN) sequence (see paragraph 4a). Note the figure and item number next to the NSN.

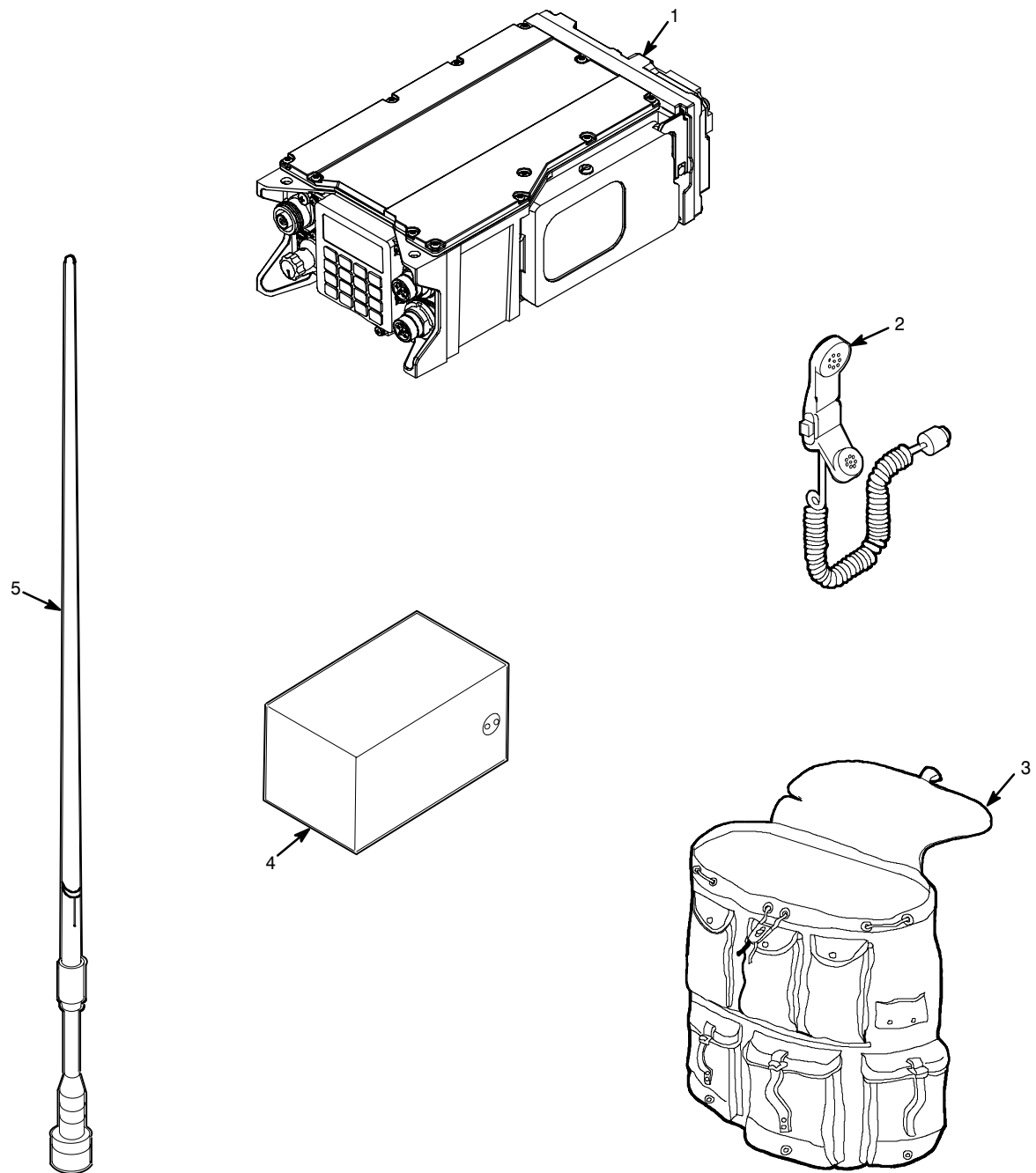
(2) *Second.* Turn to the figure and locate the item number. Verify that the item is the one you are looking for.

NOTE

If you have the part number, look in the PART NUMBER column of the Part Number Index. Identify the figure and item number, look up the item on the figure in Section II.

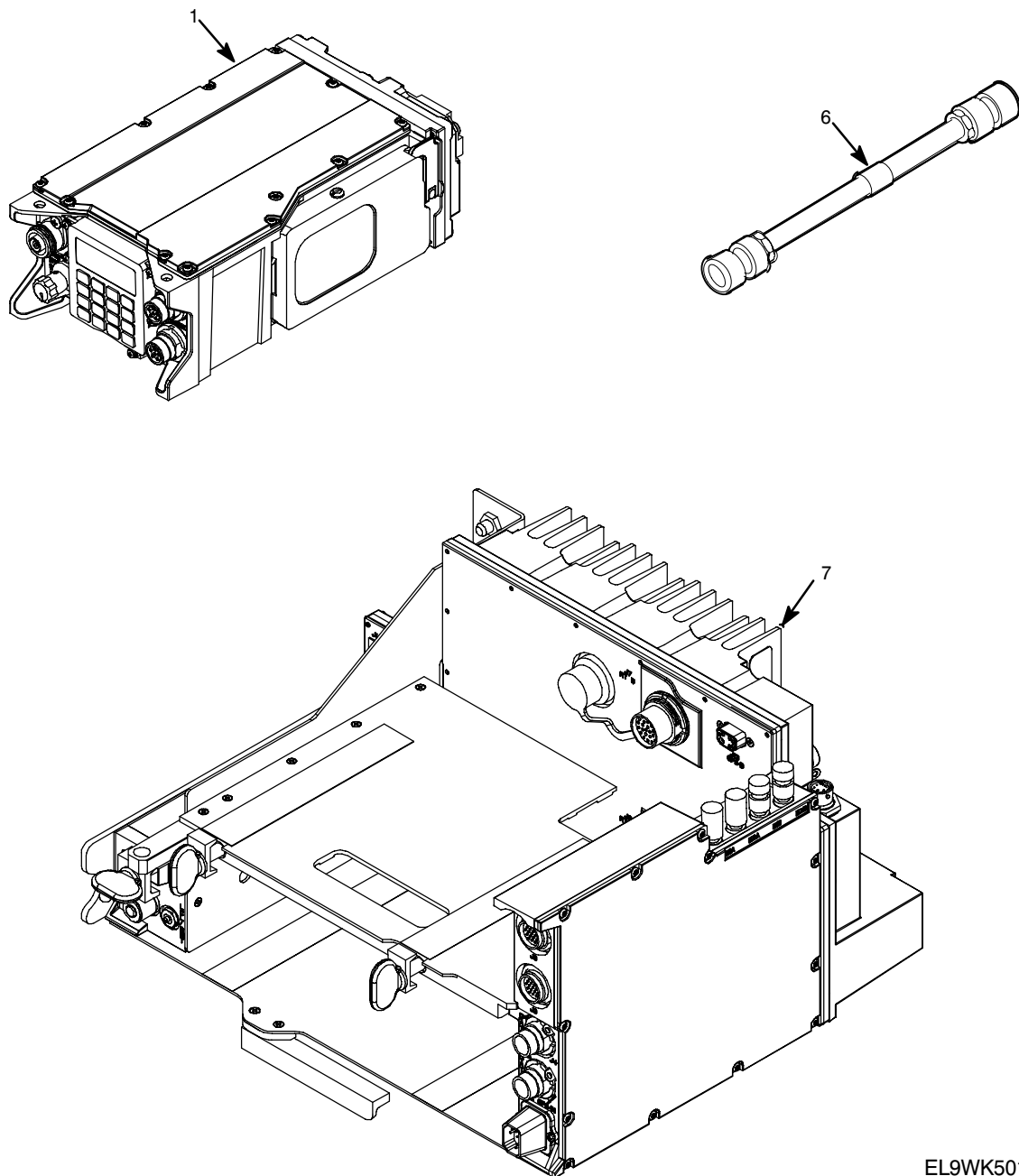
7. Abbreviations

Not applicable.



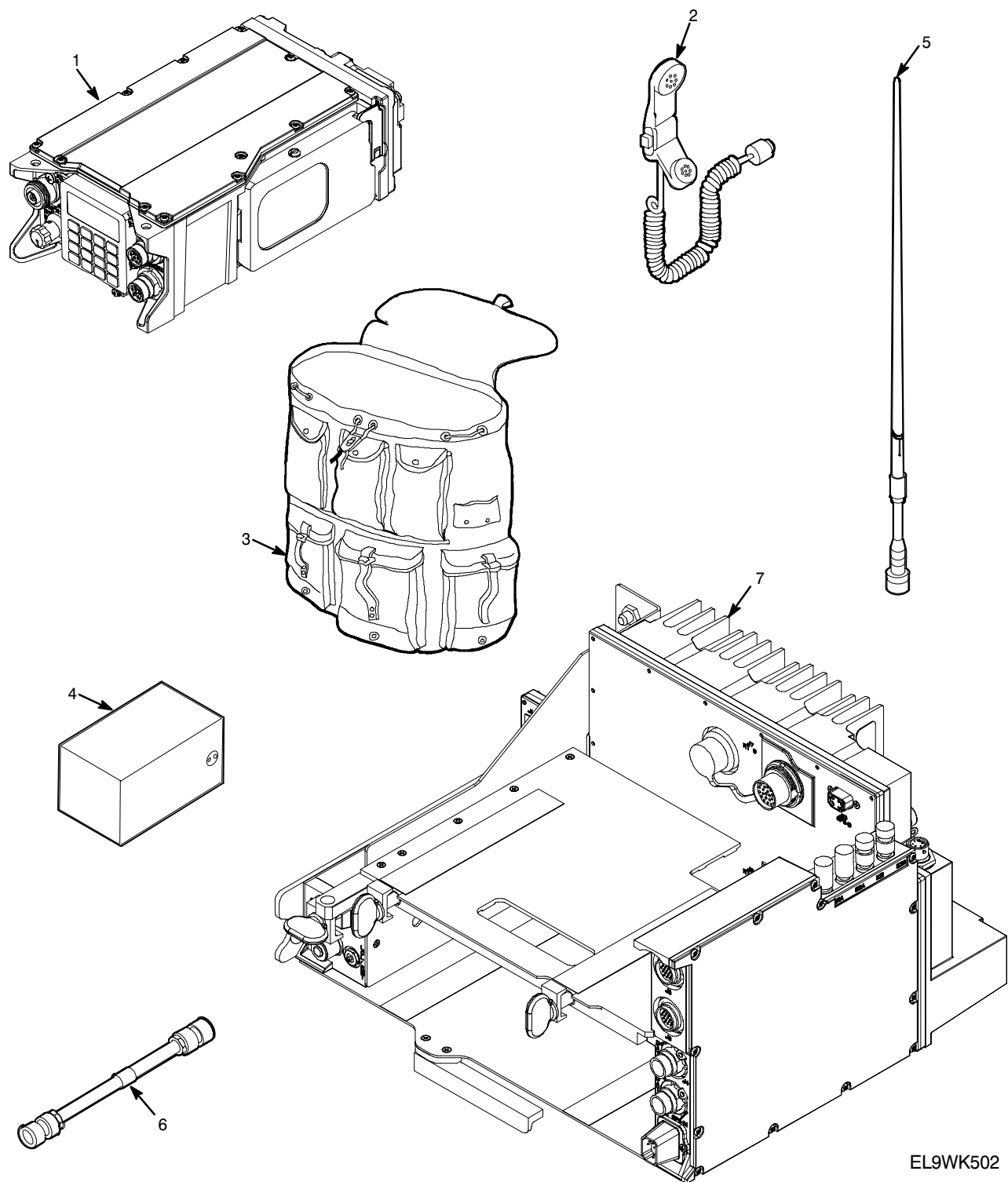
EL9WK500

Figure 1. SINCGARS Family of Radios (AN/PRC-119F) (Sheet 1 of 8)



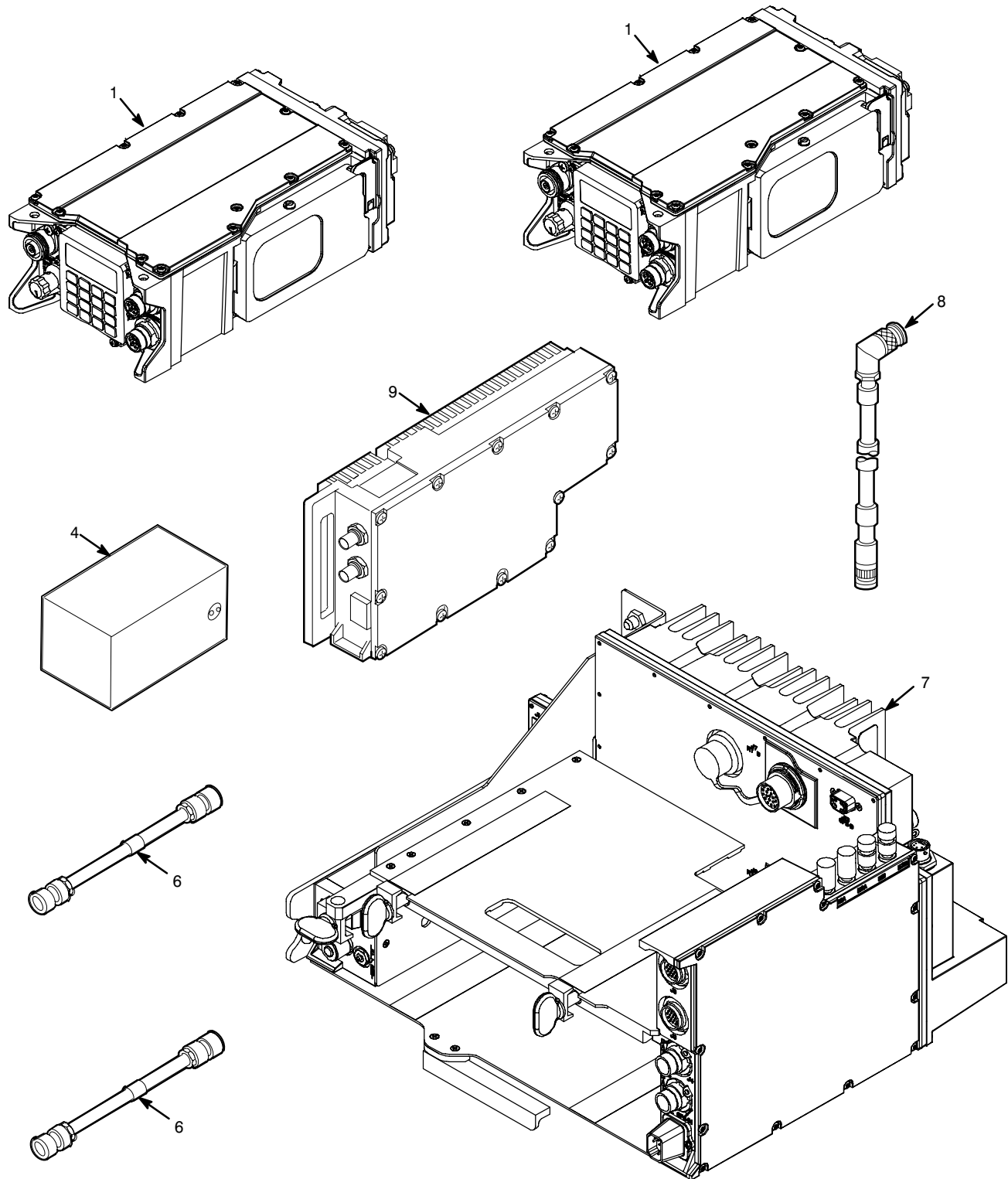
EL9WK501

Figure 1. SINCGARS Family of Radios (AN/VRC-87F) (Sheet 2 of 8)



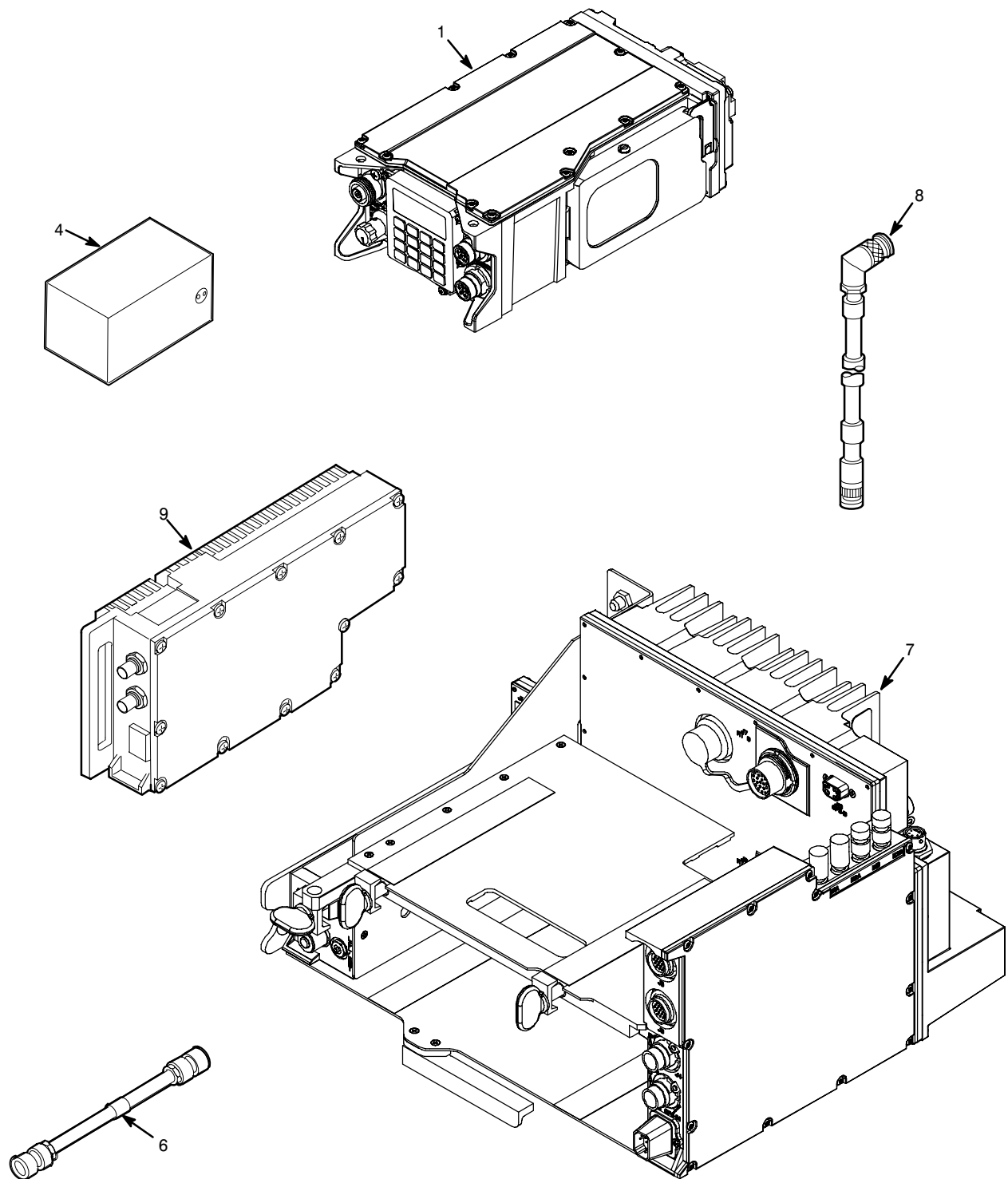
EL9WK502

Figure 1. SINCGARS Family of Radios (AN/VRC-88F) (Sheet 3 of 8)



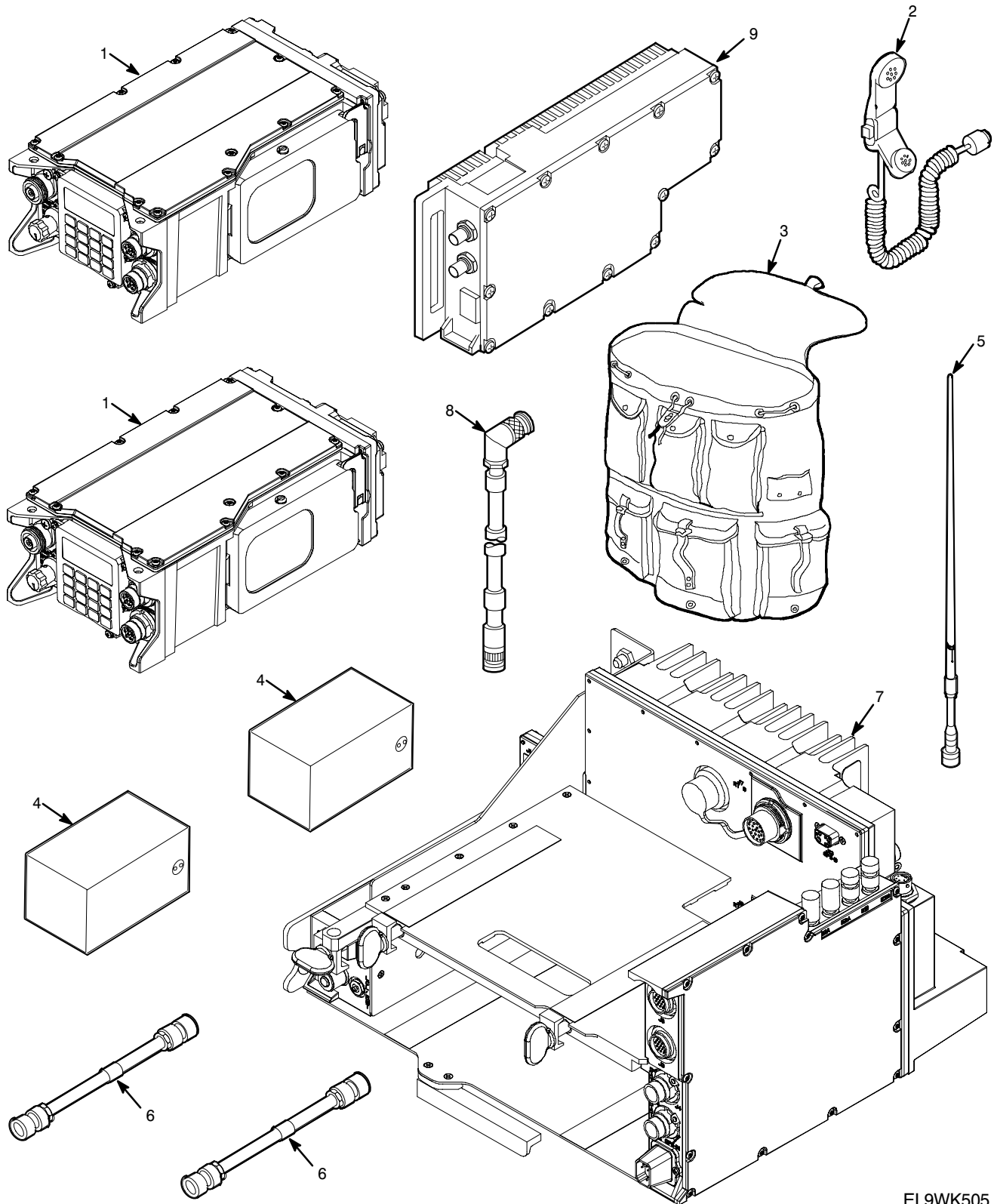
EL9WK503

Figure 1. SINCGARS Family of Radios (AN/VRC-89F) (Sheet 4 of 8)



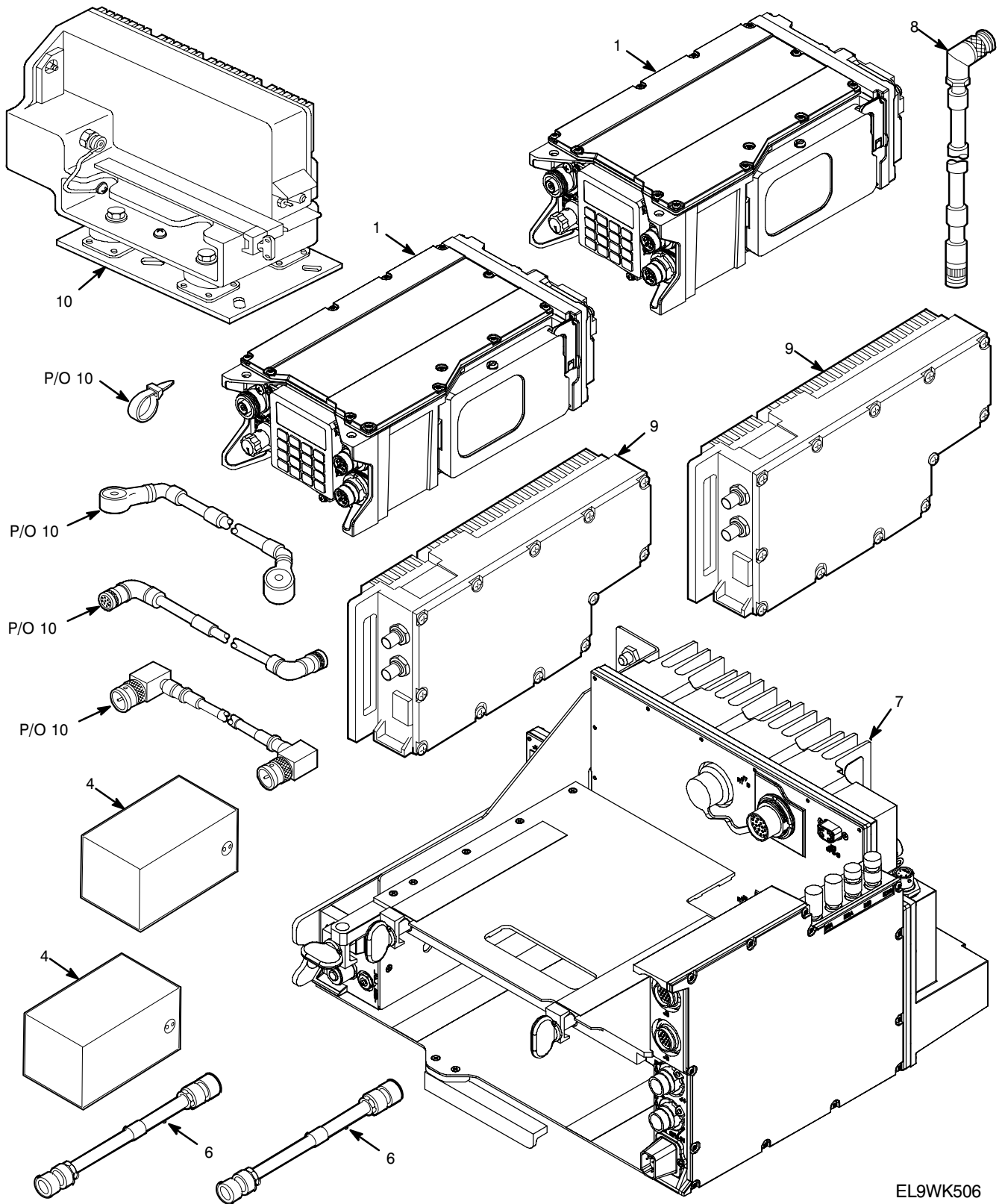
EL9WK504

Figure 1. SINCGARS Family of Radios (AN/VRC-90F) (Sheet 5 of 8)



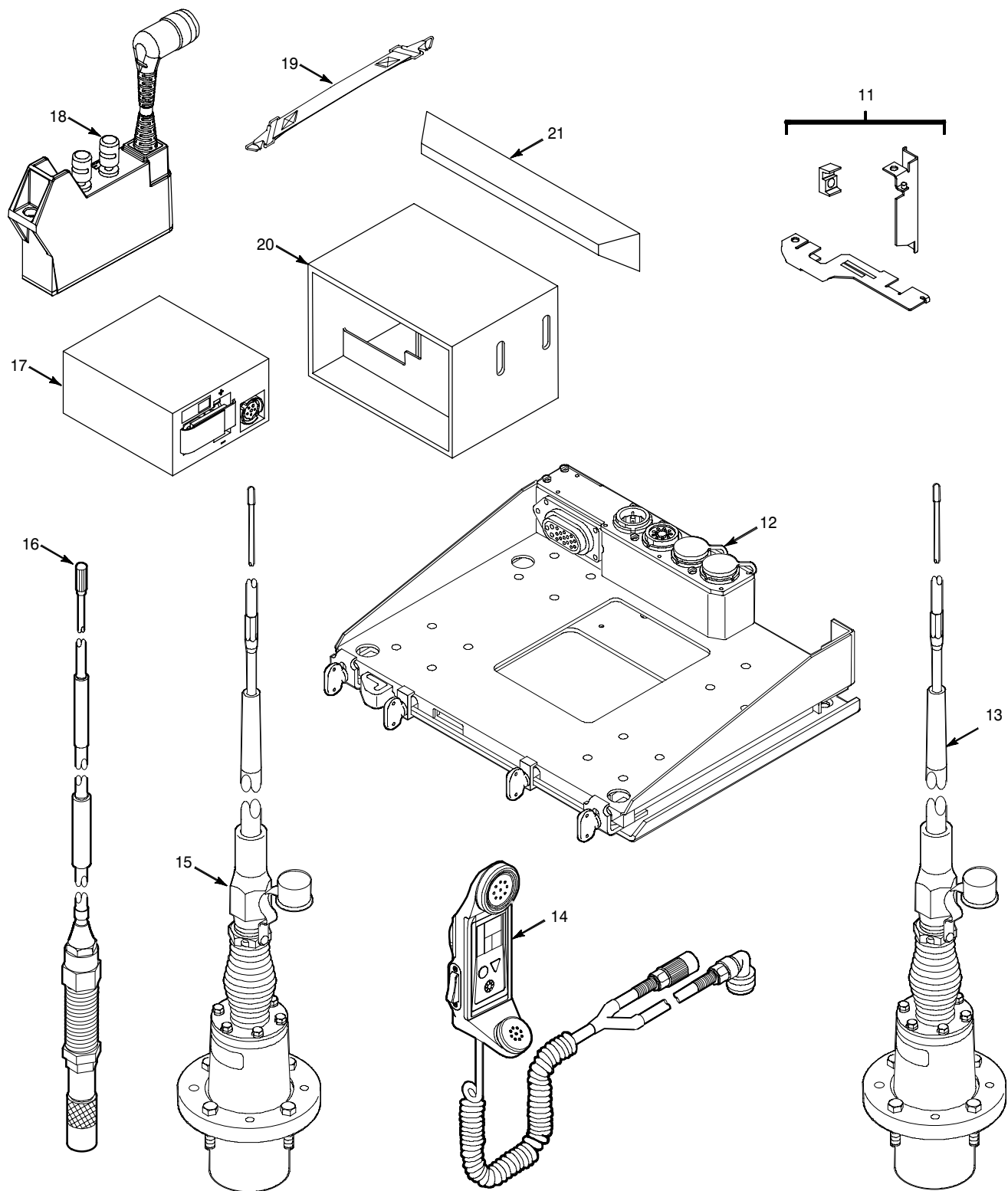
EL9WK505

Figure 1. SINCGARS Family of Radios (AN/VRC-91F) (Sheet 6 of 8)



EL9WK506

Figure 1. SINCGARS Family of Radios (AN/VRC-92F) (Sheet 7 of 8)



EL9WK507

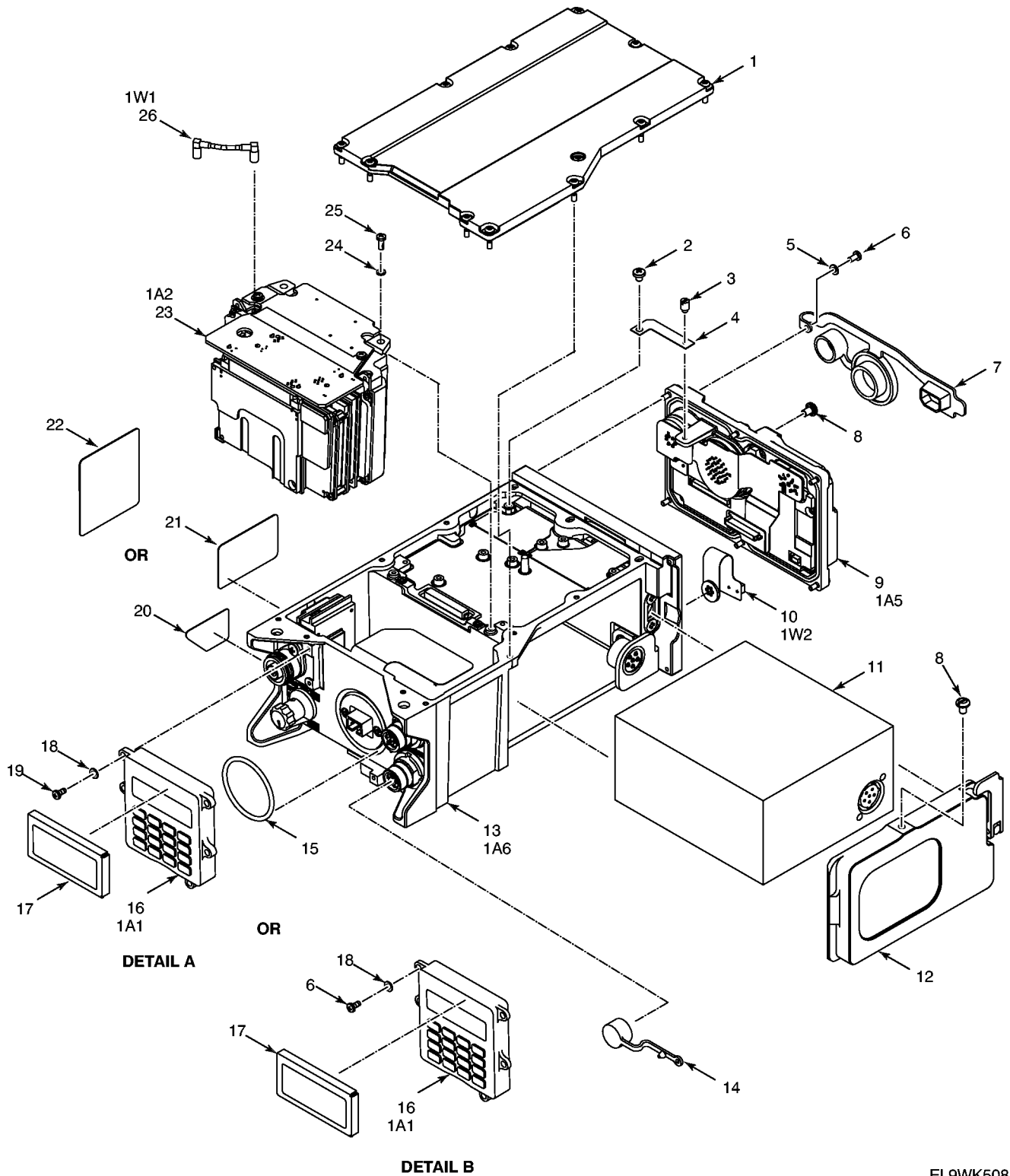
Figure 1. SINCGARS Family of Radios (Ancillary Items) (Sheet 8 of 8)

SECTION II			TM11-5820-890-20P-2			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00 SINGARS FAMILY OF RADIOS						

FIGURE 1

1	PAOFD	5820014441219	80058	RT-1523E(C)/U	RECEIVER-TRANSMITTE , RADIO (SEE FIGURES 2, 7 & 10 FOR BREAKDOWN)	1
2	PAOZZ	5965000433463	80058	H-250A/U	CONTROLLED CRYPTOGRAPHIC ITEM (CCI).	1
3	PAOZZ	5895014614505	80063	A3142076-2	HANDSET.....	1
4	PCOZA	6135014389450	80063	BA-5590B/U	CASE,ELECTRONIC COM (FIELD PACK, COMBAT).....	1
5	PAOOZ	5985012359189	80058	AS-3683/PRC	BATTERY,NONRECHARGE.....	1
6	PAOZZ	5995013100335	80063	A3013735-8	ANTENNA MANPACK (SEE TM 11-5820-890-20P-1 FOR BREAKDOWN).....	1
7	PAOFD	5895014441218	80058	AM-7239E/VRC	CABLE ASSEMBLY,SPEC RECEIVER-TRANSMITTER TO ONE WATT AUDIO.....	1
8	PAOZZ	5995013042026	80063	A3013824-3	AMPLIFIER-ADAPTER VEHICULAR (SEE FIGURES 11, 12, 13 & 14 FOR BREAKDOWN).....	1
9	PAOFF	5895014072627	80058	AM-7238B/VRC	CABLE ASSEMBLY,RADI.....	1
10	PDODD	5895012169552	80058	MK-2312/VRC	AMPLIFIER-FREQUENCY.....	1
11	PAOZZ	5340014567985	80063	A3256669-3	AUXILIARY KIT,ELECT EQUIPMENT (SEE TM 11-5820-890-20P-1 FOR BREAKDOWN).	1
12	PAOOF	5975011888873	80058	MT-6352/VRC	BRACKET,MOUNTING (LOCKING BAR)....	1
13	PAOOF	5985013088988	80058	AS-3900A/VRC	MOUNTING BASE,ELECT (SEE TM 11-5820-890-20P-1 FOR BREAKDOWN).....	1
14	PAOFF	5895014328370	80058	C-12493/U	ANTENNA (SEE TM 11-5820-890-20P-1 FOR BREAKDOWN).....	1
15	PAOOF	5985013534943	80058	AS-3916/VRC	REMOTE CONTROL RADI (SEE TM 11-5820-890-20P-1 FOR BREAKDOWN).....	1
16	PAOOO	5985014257305	80058	AS-4266A/PRC	ANTENNA (SEE TM 11-5820-890-20P-1 FOR BREAKDOWN).....	1
17	PAOZZ	6140014925650	0GVJ8	A3272554-2	ANTENNA (SEE TM 11-5820-890-20P-1 FOR BREAKDOWN).....	1
18	PAOZZ	5935014638290	80063	A3272557-2	CASE,BATTERY ASSEMB (HUB INSERT)...	1
19	PAOZZ	5340014614741	80063	A3274735-1	ADAPTER,CONNECTOR (2-WIRE ADAPTER).	1
20	PAOZZ	5340014639002	1H2P2	A3276367-1	STRAP ASSEMBLY,HAND.....	1
21	PAOZZ	5975014674678	80063	A3276933-1	BASE,STAND.....	1
					RAIL,GUIDE.....	1

END OF FIGURE



EL9WK508

Figure 2. Radio Receiver-Transmitter RT-1523E(C)/U

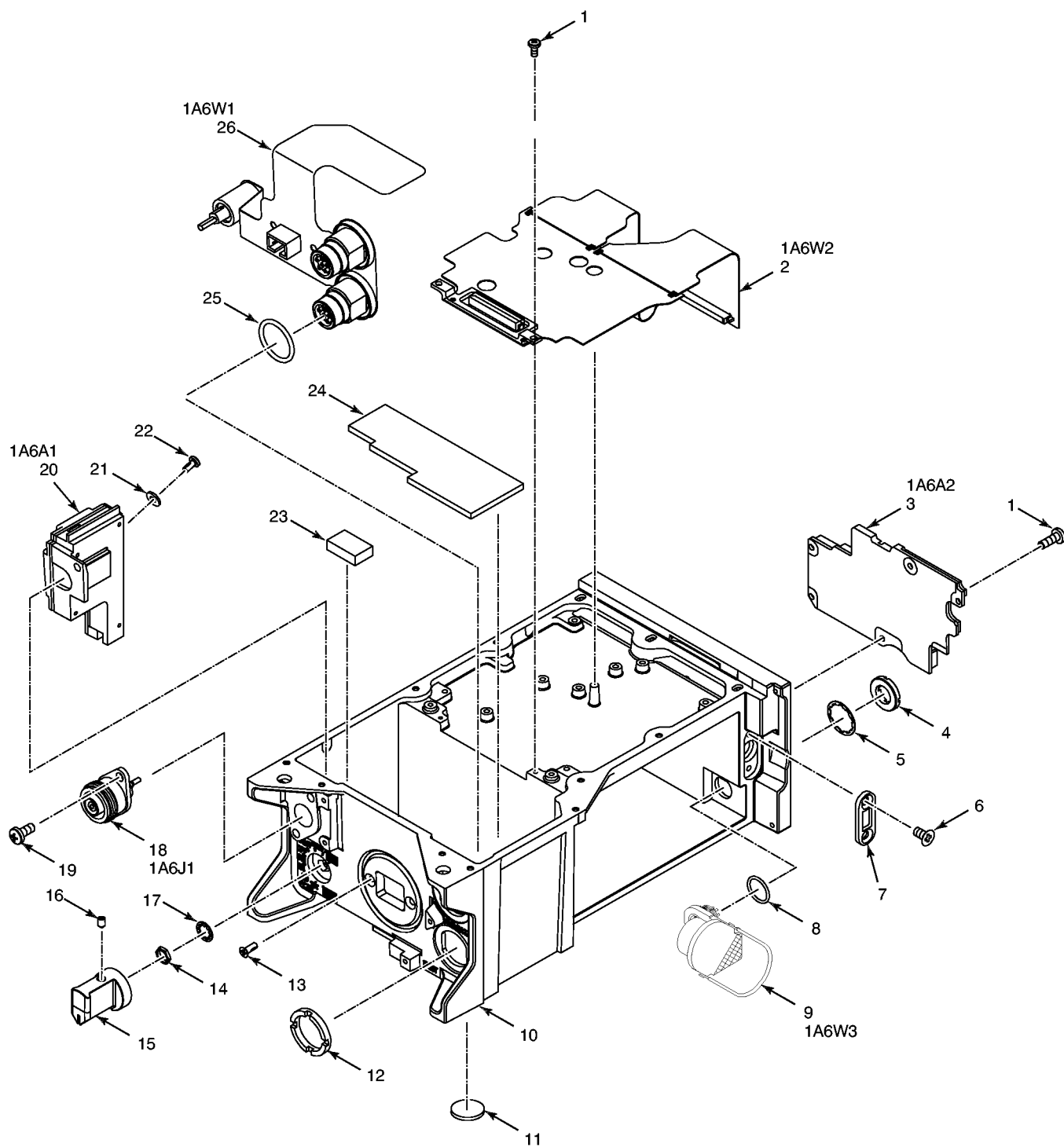
SECTION II			TM11-5820-890-20P-2			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY

GROUP 64 RADIO RECEIVER-TRANSMITTER
RT-1523E(C)/U

FIGURE 2

5	PAOZZ	5310001943647	80205	MS15795-803B	WASHER,FLAT.....	1
6	PAOZZ	5305014634307	80205	NAS1635-04LR5P	SCREW,MACHINE.....	1
7	PAOZA	5340014620317	80063	A3266219-1	CAP,PROTECTIVE,DUST.....	1
8	PAOZZ	5305012000197	80063	A3013151-1	SCREW,SEAL.....	1
11	PCOZA	6135014389450	80063	BA-5590B/U	BATTERY,NONRECHARGE.....	1
12	PAOOO	6160014619622	80063	A3266163-1	COVER,BATTERY BOX (SEE FIGURE 10	1
					FOR BREAKDOWN).....	
14	PAOZZ	5340013464291	80063	A3132871-2	CAP,PROTECTIVE,DUST.....	2
17	PAOZZ	5895014736804	80063	A3271382-1	COVER,ELECTRONIC CO (DKA COVER	1
					ASSEMBLY).....	

END OF FIGURE



EL9WK513

Figure 7. Chassis Assembly-Receiver-Transmitter

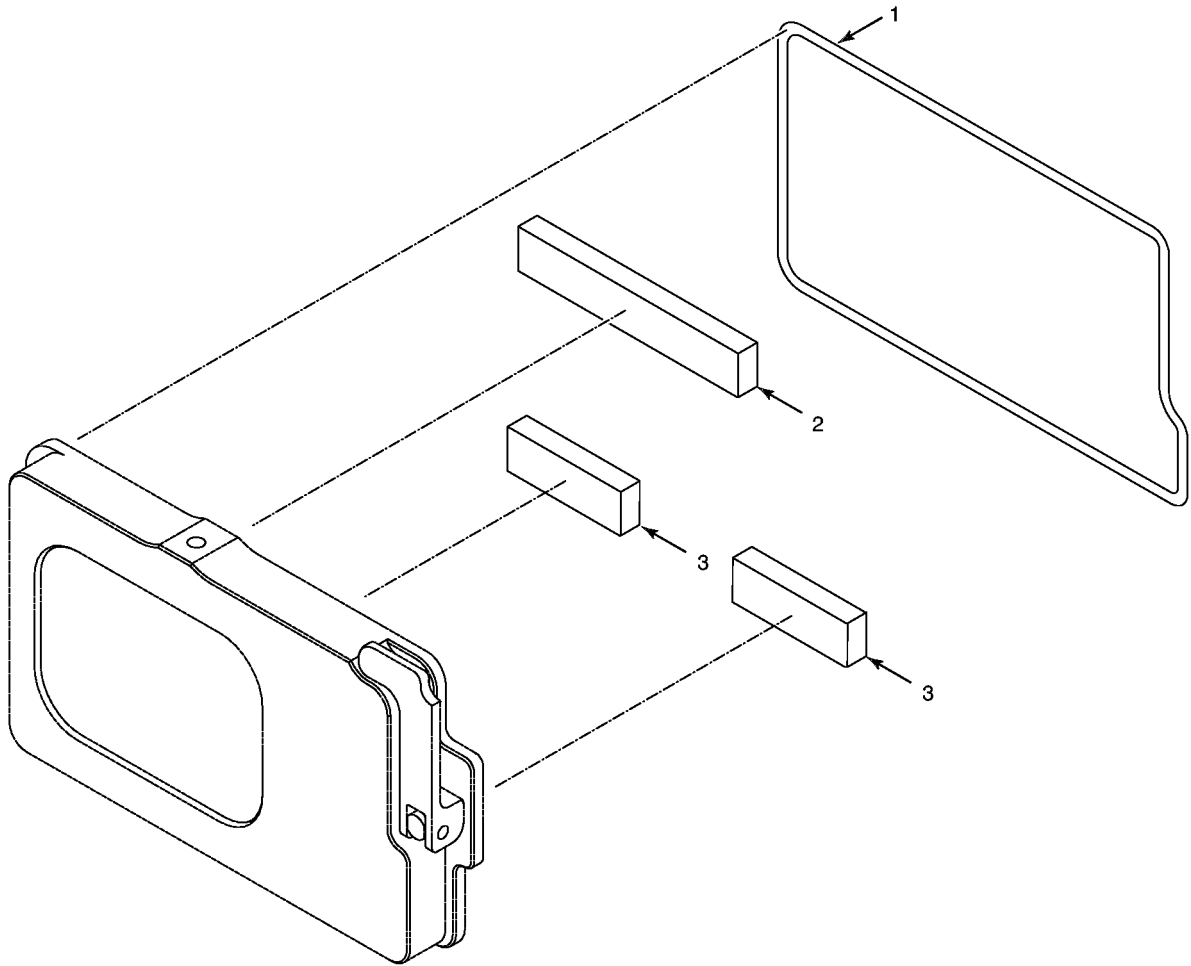
SECTION II			TM11-5820-890-20P-2			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC) QTY	

GROUP 6403 CHASSIS ASSEMBLY-
RECEIVER-TRANSMITTER

FIGURE 7

15	PAOZZ	5355014618648	80063	A3272509-1	KNOB.....	1
16	PAOZZ	5305014640368	80063	A3214219-1	SETSCREW.....	1

END OF FIGURE



EL9WK516

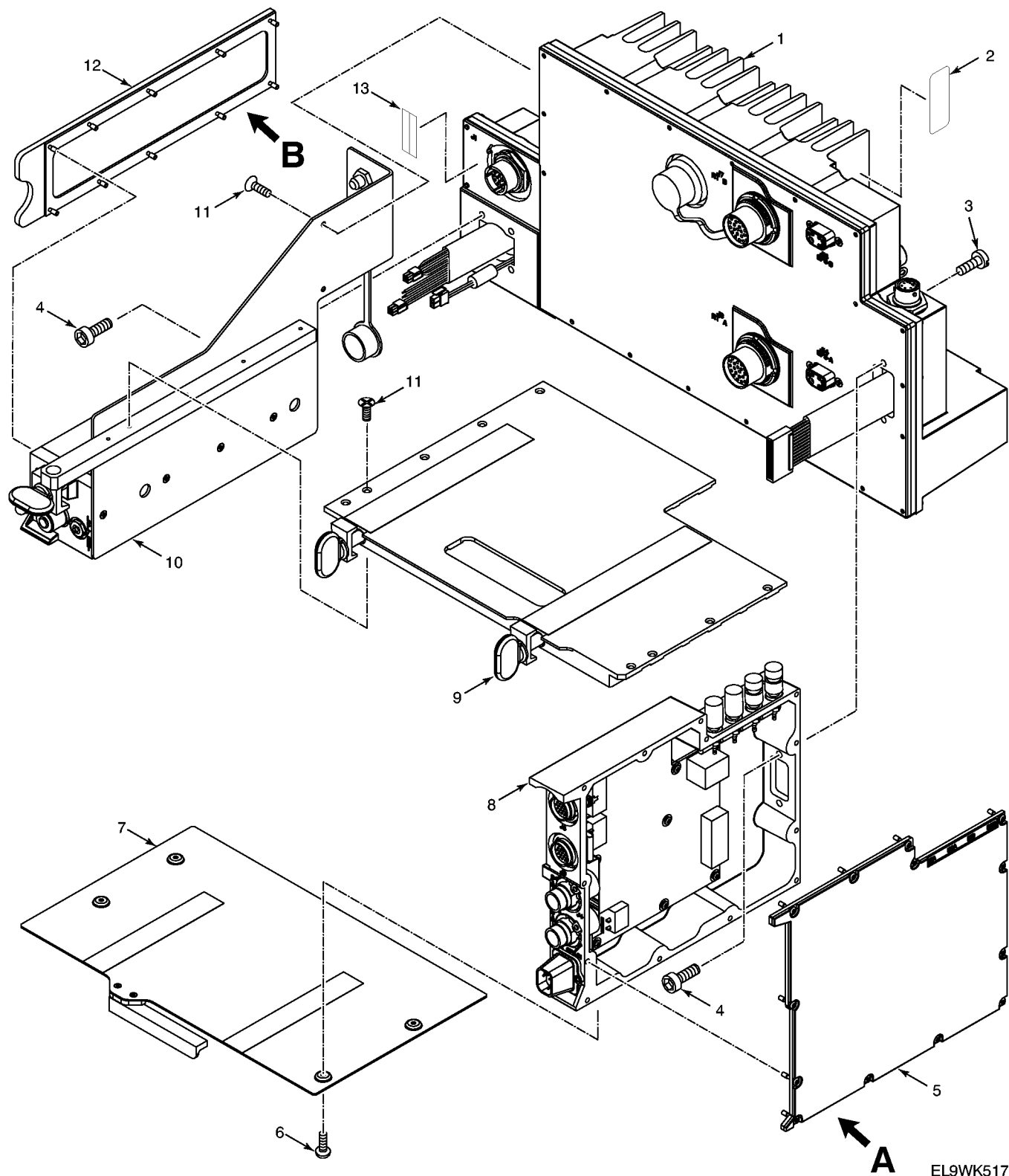
Figure 10. Battery Cover Assembly

SECTION II			TM11-5820-890-20P-2			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
					GROUP 6405 BATTERY COVER ASSEMBLY	

FIGURE 10

1	PAOZA	5331014706772	80063	A3266162-7	O-RING.....	1
2	XBOZZ		80063	A3266231-6	GASKET-TAPE.....	1
3	XBOZZ		80063	A3266231-7	GASKET-TAPE.....	2

END OF FIGURE



EL9WK517

Figure 11. Vehicular Amplifier-Adapter AM-7239E/VRC

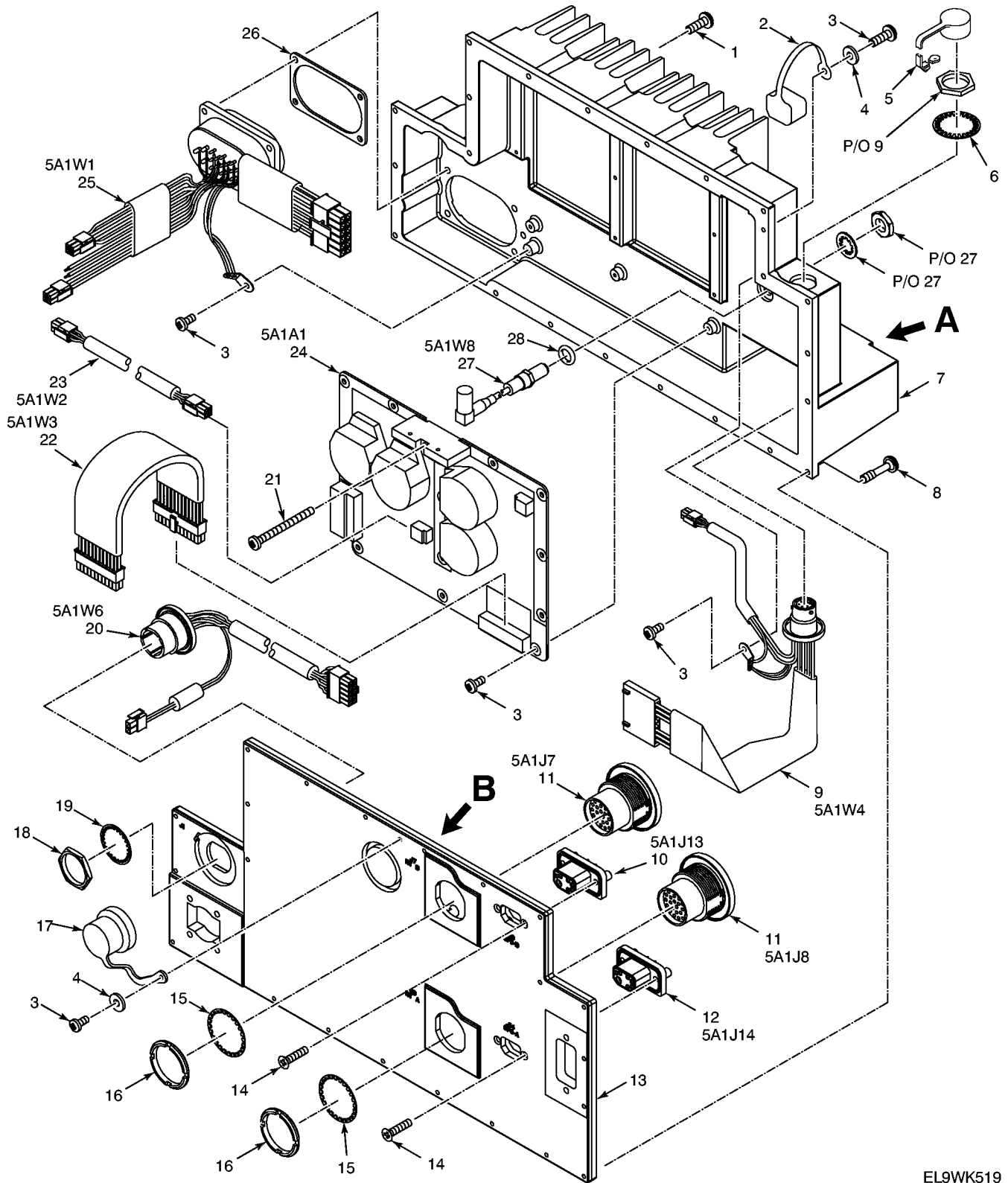
SECTION II			TM11-5820-890-20P-2			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY

GROUP 65 VEHICULAR AMPLIFIER-ADAPTER
AM-7239E/VRC

FIGURE 11

3	PAOZZ	5305012000197	80063	A3013151-1	SCREW,SEAL.....	1
6	PAOZZ	5305013316050	80205	NAS1635-04LR4P	SCREW,MACHINE.....	4
7	XBOOO		80063	A3256689-1	MOUNTING BASE,ELECT RICAL	1
					EQUIPMENT (SEE FIGURE 16 FOR	
					BREAKDOWN).....	
9	XBOOO		80063	A3256690-1	SHELF,ELECTRICAL EQ UIPMENT (SEE	1
					FIGURE 15 FOR BREAKDOWN).....	
11	PAOZZ	5305010346624	80205	NAS1189E04P5B	SCREW,CAP,SOCKET HE.....	9

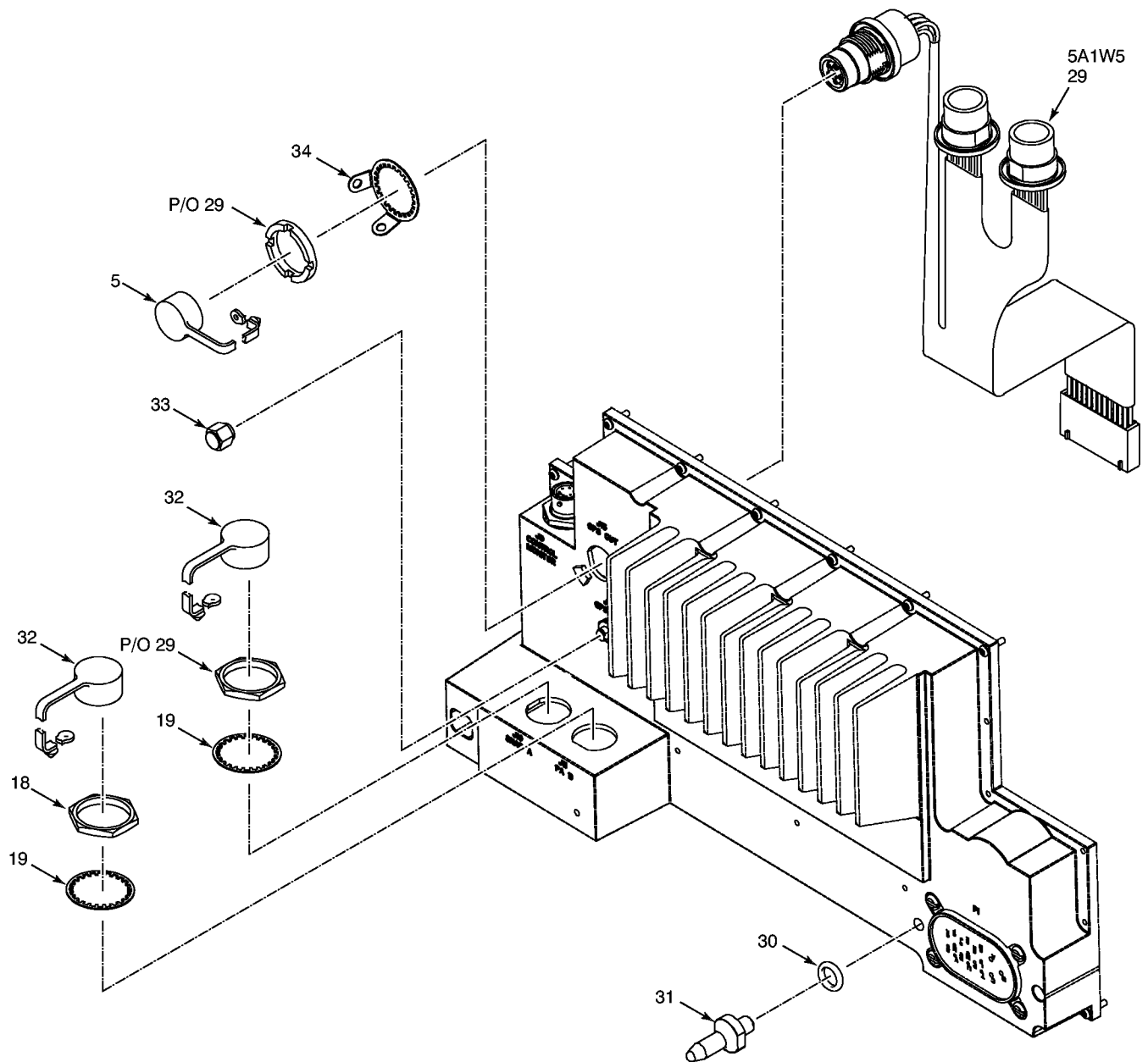
END OF FIGURE



EL9WK519

Figure 12. Electrical Chassis-Electronic Equipment-Adapter/Power Supply (Sheet 1 of 2)

A



EL9WK520

Figure 12. Electrical Chassis-Electronic Equipment-Adapter/Power Supply (Sheet 2 of 2)

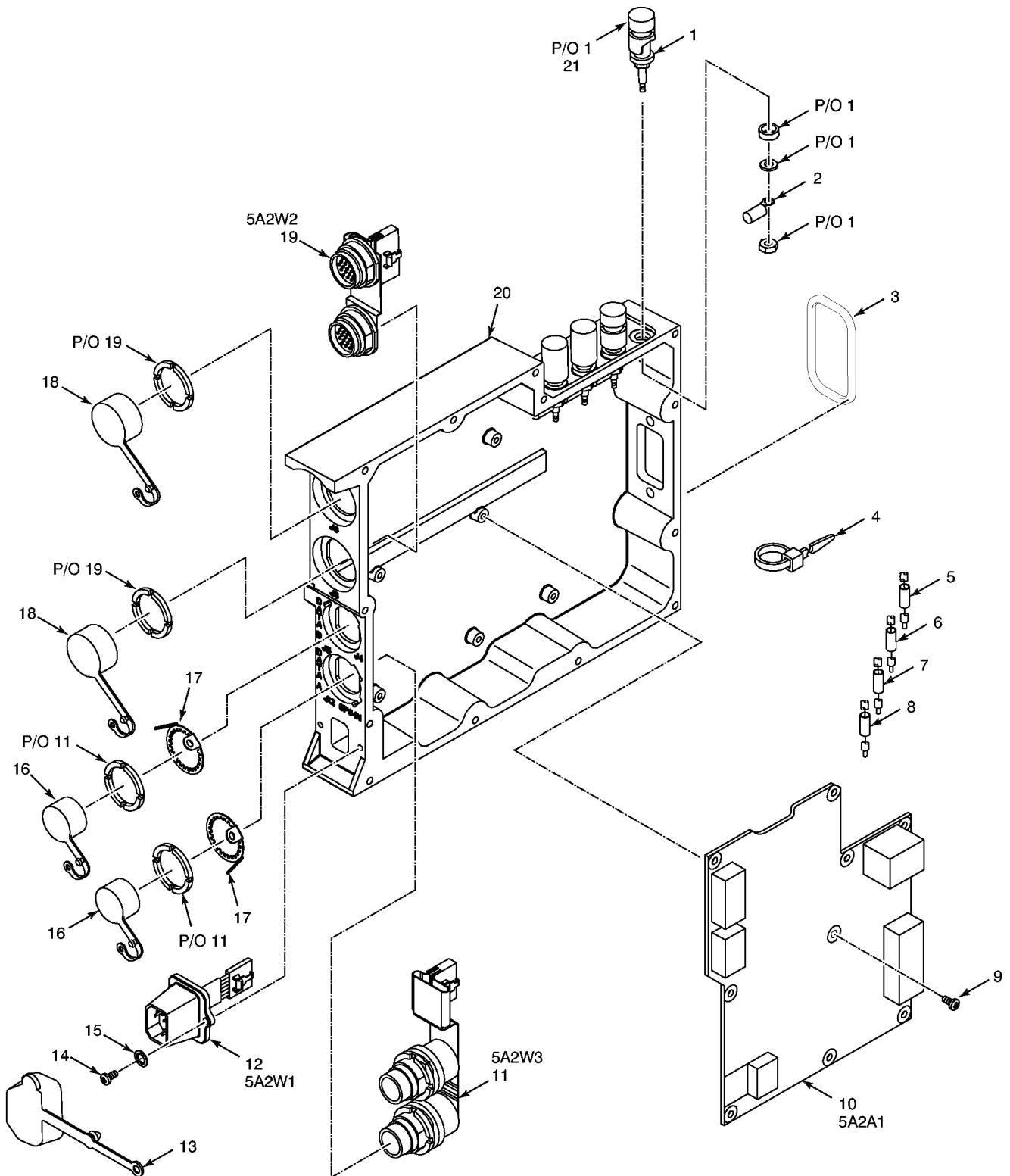
SECTION II			TM11-5820-890-20P-2			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC) QTY	

GROUP 6501 ELECTRICAL CHASSIS-
ELECTRONIC EQUIPMENT-
ADAPTER/POWER SUPPLY

FIGURE 12

2	PAOZZ	5340014654794	80063	A3249537-1	CAP, PROTECTIVE, DUST.....	1
3	PAOZZ	5305013316050	80205	NAS1635-04LR4P	SCREW, MACHINE.....	2
4	PAOZZ	5310014403574	80205	NAS1149CN416B	WASHER, FLAT.....	2
5	PAOZZ	5340013464291	80063	A3132871-2	CAP, PROTECTIVE, DUST.....	2
17	PAOZZ	5340013572333	80063	A3132871-4	CAP, PROTECTIVE, DUST.....	1
32	PAOZZ	5340013455988	80063	A3132871-9	CAP, PROTECTIVE, DUST.....	2

END OF FIGURE



EL9WK522

Figure 13. Electronic Components Assembly-Sidehat

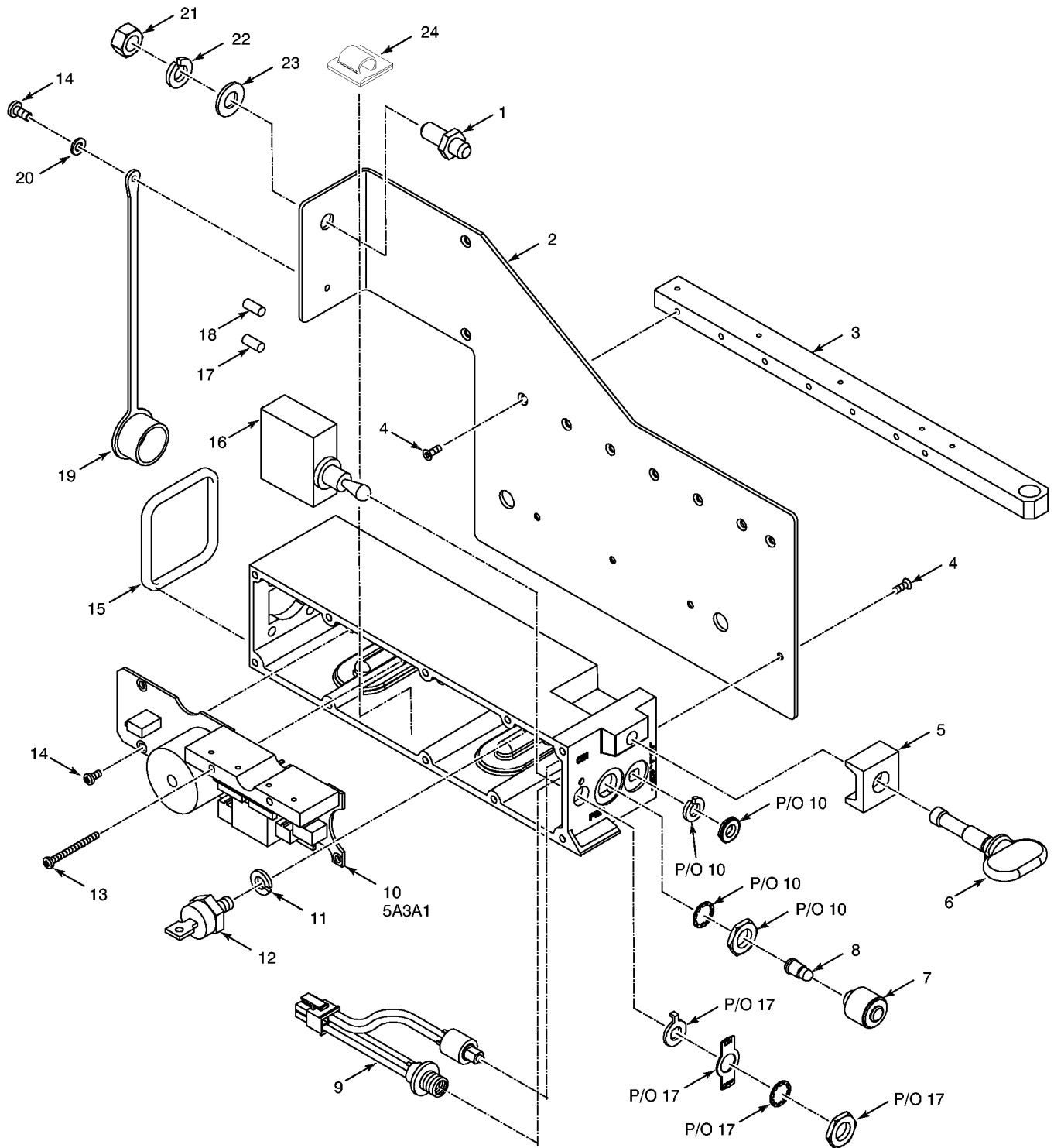
SECTION II			TM11-5820-890-20P-2			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY

GROUP 6502 ELECTRONICS COMPONENTS
ASSEMBLY-SIDEHAT

FIGURE 13

13	PAOZZ	5340014654793	80063	A3249536-1	CAP,PROTECTIVE,DUST.....	1
16	PAOZZ	5340013464291	80063	A3132871-2	CAP,PROTECTIVE,DUST.....	2
18	PAOZZ	5340013455988	80063	A3132871-9	CAP,PROTECTIVE,DUST.....	2

END OF FIGURE



EL9WK523

Figure 14. Electronic Components Assembly-Power Control

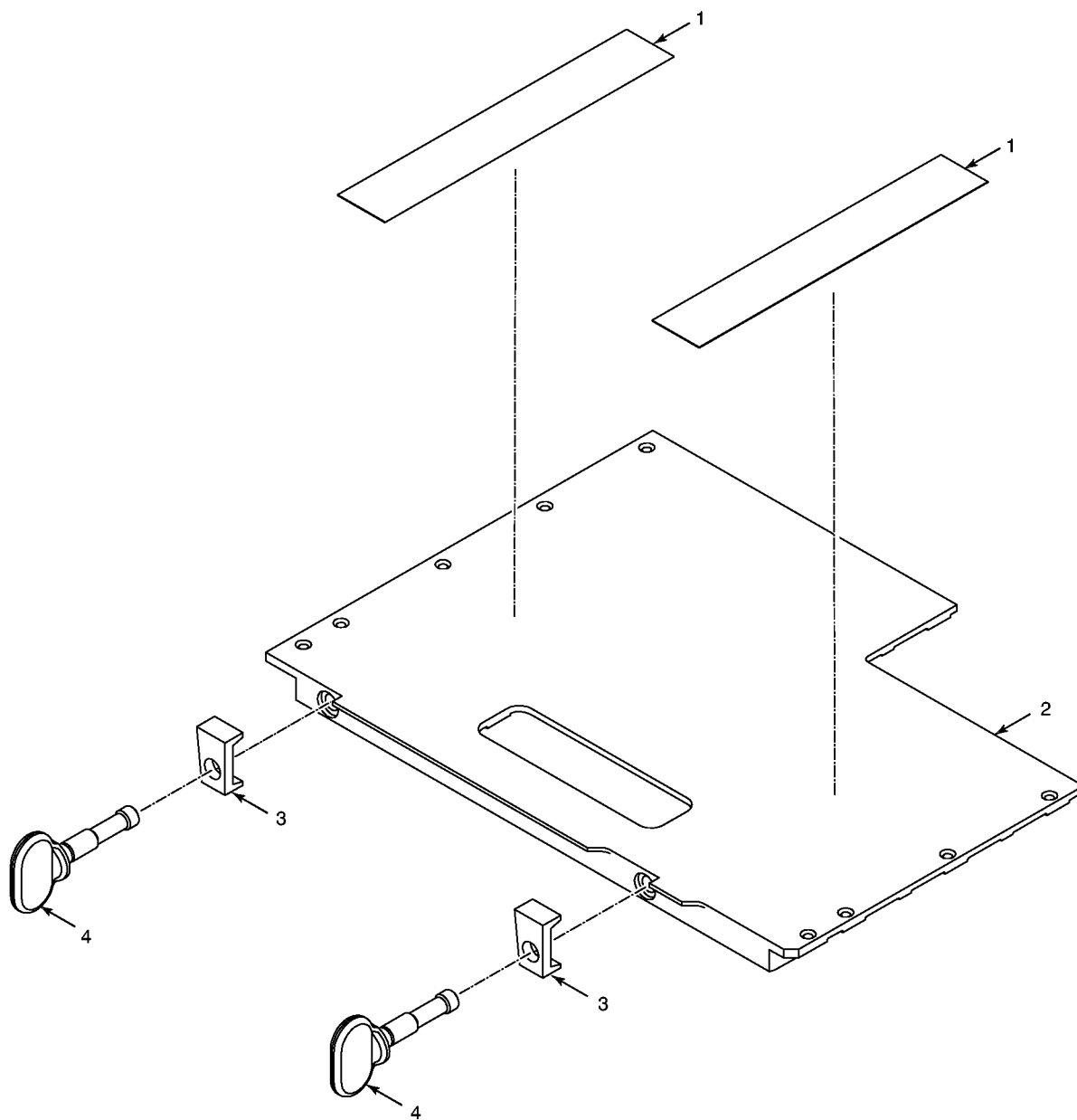
SECTION II			TM11-5820-890-20P-2			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY

GROUP 6503 ELECTRONICS COMPONENTS
ASSEMBLY-POWER CONTROL

FIGURE 14

1	PAOZZ	5315012806209	80063	A3013573-2	PIN, SHOULDER, HEADLE.....	1
2	XBOZZ		80063	A3256632-1	PANEL, BLANK.....	1
3	PAOZZ	5340014642798	80063	A3256631-1	PLATE, MOUNTING.....	1
4	PAOZZ	5305010346624	80205	NAS1189E04P5B	SCREW, CAP, SOCKET HE.....	11
5	PAOZZ	5340012013440	80063	A3013603-1	CLAMP, SYNCHRO.....	1
6	PAOZZ	5305014394220	80063	A3132832-2	THUMBSCREW.....	1
7	PAOZZ	5850013720153	80063	A3012672-1	LENS, LIGHT.....	1
8	PAOZZ	6240010937323	96906	MS25237-8918	LAMP, INCANDESCENT.....	1
14	PAOZZ	5305013316050	80205	NAS1635-04LR4P	SCREW, MACHINE.....	1
19	PAOZZ	5340013462498	80063	A3132871-3	CAP, PROTECTIVE, DUST.....	1
20	PAOZZ	5310014403574	80205	NAS1149CN416B	WASHER, FLAT.....	1
21	PAOZZ	5310012663060	80063	A3013109-8	NUT, PLAIN, HEXAGON.....	1
22	PAOZZ	5310012681237	80063	A3013128-8	WASHER, LOCK.....	1
23	PAOZZ	5310013077702	80063	A3013129-8	WASHER, FLAT.....	1

END OF FIGURE



EL9WK524

Figure 15. Electrical Equipment Shelf

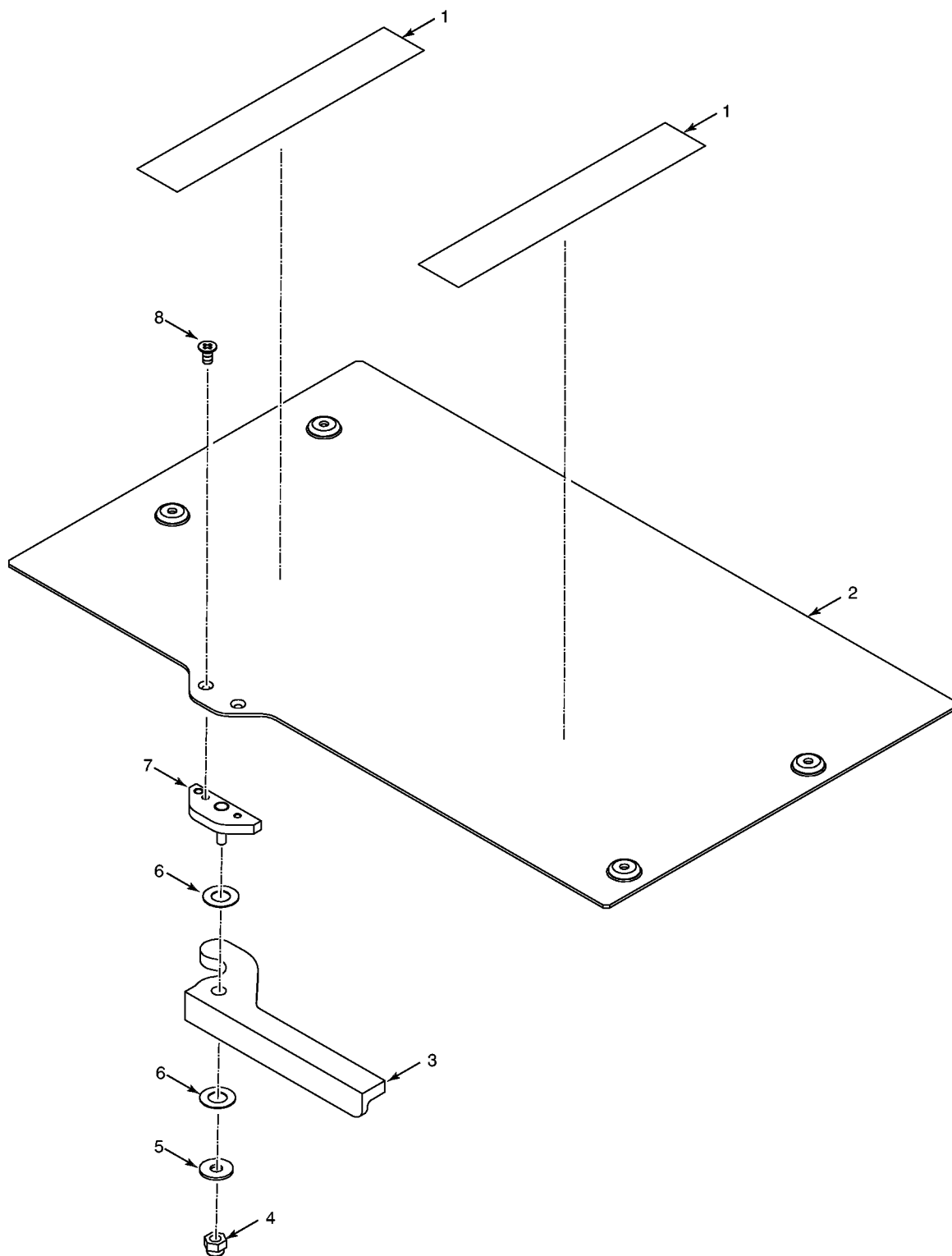
SECTION II			TM11-5820-890-20P-2			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY

GROUP 6506 ELECTRICAL EQUIPMENT
SHELF

FIGURE 15

1	PAOZZ	9330014649853	80063	A3167835-6	PLASTIC SHEET.....	2
2	XBOZZ		80063	A3256630-1	SHELF,ELECTRICAL.....	1
3	PAOZZ	5340012006617	80063	A3013608-1	CLAMP,SYNCHRO.....	2
4	PAOZZ	5305014394220	80063	A3132832-2	THUMBSCREW.....	2

END OF FIGURE



EL9WK525

Figure 16. Electrical Equipment Mounting Base

SECTION II			TM11-5820-890-20P-2			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR			PART		
NO	CODE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC) QTY	

GROUP 6507 ELECTRICAL EQUIPMENT
MOUNTING BASE

FIGURE 16

1	PAOZZ	9330014649853	80063	A3167835-6	PLASTIC SHEET.....	2
2	XBOZZ		80063	A3256624-1	MOUNTING BASE,ELECT.....	1
3	PAOZZ	3040012612630	80063	A3168012-1	BELL CRANK.....	1
4	PAOZZ	5310014309243	019L2	73 E20057-M4	NUT,SELF-LOCKING,HE.....	1
5	PAOZZ	5310014664854	80063	A3013124-11	WASHER,FLAT.....	1
6	PAOZA	5310014267543	81349	M12133/3-266	WASHER,SPRING TENS.....	2
7	PAOZZ	5340014335455	80063	A3191113-1	BRACKET,MOUNTING.....	1
8	PAOZZ	5305014172469	80063	A3140088-5	SCREW,MACHINE.....	2

END OF FIGURE

SECTION IV

TM11-5820-890-20P-2

CROSS-REFERENCE INDEXES

STOCK NUMBER		NATIONAL STOCK NUMBER INDEX		STOCK NUMBER	
	FIG.	ITEM		FIG.	ITEM
5965-00-043-3463	1	2	5355-01-461-8648	7	15
5310-00-194-3647	2	5	6160-01-461-9622	2	12
5305-01-034-6624	11	11	5340-01-462-0317	2	7
	14	4	5305-01-463-4307	2	6
6240-01-093-7323	14	8	5935-01-463-8290	1	18
5975-01-188-8873	1	12	5340-01-463-9002	1	20
5305-01-200-0197	2	8	5305-01-464-0368	7	16
	11	3	5340-01-464-2798	14	3
5340-01-200-6617	15	3	9330-01-464-9853	15	1
5340-01-201-3440	14	5		16	1
5895-01-216-9552	1	10	5340-01-465-4793	13	13
5985-01-235-9189	1	5	5340-01-465-4794	12	2
3040-01-261-2630	16	3	5310-01-466-4854	16	5
5310-01-266-3060	14	21	5975-01-467-4678	1	21
5310-01-268-1237	14	22	5331-01-470-6772	10	1
5315-01-280-6209	14	1	5895-01-473-6804	2	17
5995-01-304-2026	1	8	6140-01-492-5650	1	17
5310-01-307-7702	14	23			
5985-01-308-8988	1	13			
5995-01-310-0335	1	6			
5305-01-331-6050	11	6			
	12	3			
	14	14			
5340-01-345-5988	12	32			
	13	18			
5340-01-346-2498	14	19			
5340-01-346-4291	2	14			
	12	5			
	13	16			
5985-01-353-4943	1	15			
5340-01-357-2333	12	17			
5850-01-372-0153	14	7			
5895-01-407-2627	1	9			
5305-01-417-2469	16	8			
5985-01-425-7305	1	16			
5310-01-426-7543	16	6			
5310-01-430-9243	16	4			
5895-01-432-8370	1	14			
5340-01-433-5455	16	7			
6135-01-438-9450	1	4			
	2	11			
5305-01-439-4220	14	6			
	15	4			
5310-01-440-3574	12	4			
	14	20			
5895-01-444-1218	1	7			
5820-01-444-1219	1	1			
5340-01-456-7985	1	11			
5895-01-461-4505	1	3			
5340-01-461-4741	1	19			

SECTION IV

TM11-5820-890-20P-2

CROSS-REFERENCE INDEXES

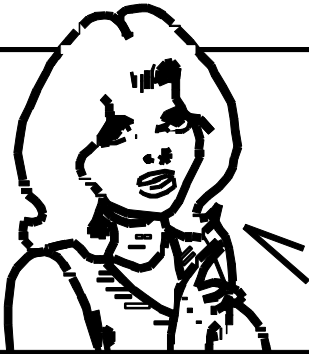
CAGEC	PART NUMBER	PART NUMBER INDEX	FIG.	ITEM
		STOCK NUMBER		
80058	AM-7238B/VRC	5895-01-407-2627	1	9
80058	AM-7239E/VRC	5895-01-444-1218	1	7
80058	AS-3683/PRC	5985-01-235-9189	1	5
80058	AS-3900A/VRC	5985-01-308-8988	1	13
80058	AS-3916/VRC	5985-01-353-4943	1	15
80058	AS-4266A/PRC	5985-01-425-7305	1	16
80063	A3012672-1	5850-01-372-0153	14	7
80063	A3013109-8	5310-01-266-3060	14	21
80063	A3013124-11	5310-01-466-4854	16	5
80063	A3013128-8	5310-01-268-1237	14	22
80063	A3013129-8	5310-01-307-7702	14	23
80063	A3013151-1	5305-01-200-0197	2	8
			11	3
80063	A3013573-2	5315-01-280-6209	14	1
80063	A3013603-1	5340-01-201-3440	14	5
80063	A3013608-1	5340-01-200-6617	15	3
80063	A3013735-8	5995-01-310-0335	1	6
80063	A3013824-3	5995-01-304-2026	1	8
80063	A3132832-2	5305-01-439-4220	14	6
			15	4
80063	A3132871-2	5340-01-346-4291	2	14
			12	5
			13	16
80063	A3132871-3	5340-01-346-2498	14	19
80063	A3132871-4	5340-01-357-2333	12	17
80063	A3132871-9	5340-01-345-5988	12	32
			13	18
80063	A3140088-5	5305-01-417-2469	16	8
80063	A3142076-2	5895-01-461-4505	1	3
80063	A3167835-6	9330-01-464-9853	15	1
			16	1
80063	A3168012-1	3040-01-261-2630	16	3
80063	A3191113-1	5340-01-433-5455	16	7
80063	A3214219-1	5305-01-464-0368	7	16
80063	A3249536-1	5340-01-465-4793	13	13
80063	A3249537-1	5340-01-465-4794	12	2
80063	A3256624-1		16	2
80063	A3256630-1		15	2
80063	A3256631-1	5340-01-464-2798	14	3
80063	A3256632-1		14	2
80063	A3256669-3	5340-01-456-7985	1	11
80063	A3256689-1		11	7
80063	A3256690-1		11	9
80063	A3266162-7	5331-01-470-6772	10	1
80063	A3266163-1	6160-01-461-9622	2	12
80063	A3266219-1	5340-01-462-0317	2	7
80063	A3266231-6		10	2
80063	A3266231-7		10	3
80063	A3271382-1	5895-01-473-6804	2	17
80063	A3272509-1	5355-01-461-8648	7	15
OGVJ8	A3272554-2	6140-01-492-5650	1	17

SECTION IV

TM11-5820-890-20P-2

CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX	FIG.	ITEM
		STOCK NUMBER		
80063	A3272557-2	5935-01-463-8290	1	18
80063	A3274735-1	5340-01-461-4741	1	19
1H2P2	A3276367-1	5340-01-463-9002	1	20
80063	A3276933-1	5975-01-467-4678	1	21
80063	BA-5590B/U	6135-01-438-9450	1	4
			2	11
80058	C-12493/U	5895-01-432-8370	1	14
80058	H-250A/U	5965-00-043-3463	1	2
80058	MK-2312/VRC	5895-01-216-9552	1	10
80205	MS15795-803B	5310-00-194-3647	2	5
96906	MS25237-8918	6240-01-093-7323	14	8
80058	MT-6352/VRC	5975-01-188-8873	1	12
81349	M12133/3-266	5310-01-426-7543	16	6
80205	NAS1149CN416B	5310-01-440-3574	12	4
			14	20
80205	NAS1189E04P5B	5305-01-034-6624	11	11
			14	4
80205	NAS1635-04LR4P	5305-01-331-6050	11	6
			12	3
			14	14
80205	NAS1635-04LR5P	5305-01-463-4307	2	6
80058	RT-1523E(C)/U	5820-01-444-1219	1	1
019L2	73 E20057-M4	5310-01-430-9243	16	4

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TM 11-5840-340-20P

PUBLICATION DATE

23 Jan 74

PUBLICATION TITLE

Radar Set AN/PRC-76

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AND WHAT SHOULD BE DONE ABOUT IT:PAGE
NOPARA
GRAPHFIGURE
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NO

2-25

2-28

Recommend that the installation antenna alignment
procedure be changed throughout to specify a 20 IFF
antenna lag rather than 10.

REASON: Experience has shown that with only a 10 lag,
the antenna servo system is too sensitive to wind gusting in
excess of 25 knots, and has a tendency to rapidly accelerate
and decelerate as it hunts, causing strain to the drive train.
Hunting is minimized by adjusting the lag to 20 without
degradation of operation.

3-10

3-3

3-1

Item 5, Functional column. Change • 2 dB" to • 3 dB".

REASON: The adjustment procedure for the TRANS POWER
FAULT indicator calls for a 3 dB (500 watts) adjustment to light
the TRANS POWER FAULT indicator.

5-6

5-8

Add new step f.1 to read, • Replace cover plate removed in
step f.1, above."

REASON: To replace the cover plate.

FO-3

Zone C 3. On J1-2, change • +24 VDC" to • +5 VDC".

REASON: This is the output line of the 5 VDC power supply.
+24 VDC is the input voltage.

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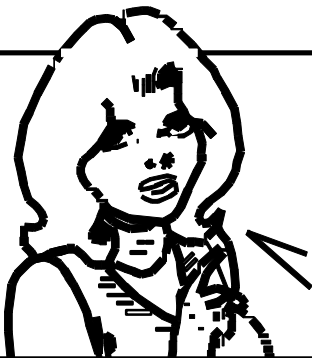
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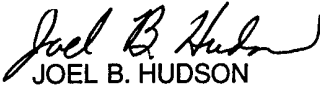
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