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TECHNICAL MANUAL

GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS  
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)

FOR

TEST SETS, RADIO  
AN/PRM-31 (NSN 6625-00-935-1359)  
AN/PRM-31A (NSN 6625-00-143-6683)  
AND  
AN/PRM-31B (NSN 6625-00-183-0212)

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HEADQUARTERS, DEPARTMENT OF THE ARMY

NOVEMBER 1978

TECHNICAL MANUAL }  
 No. 11-6625-1621-40P }

HEADQUARTERS  
 DEPARTMENT OF THE ARMY  
 WASHINGTON, DC, 8 November 1978

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 (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)**

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 AN/PRM-31 (NSN 6625-00-935-1359)  
 AN/PRM-31A (NSN 6625-00-143-6683)  
 AND  
 AN/PRM-31 B (NSN 6625-00-183-0212)**

*Current as of 14 June 1978*

**REPORTING OF ERRORS**

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\*This manual supersedes TM 11-6625-1621-40P, 4 May 1977.

**SECTION I  
INTRODUCTION**

**1. Scope**

This manual lists spares and repair parts; special tools; - special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of general support maintenance of the AN/PRM-31, AN/PRM-31A and AN/PRM-31B. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance 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 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 numeric sequence, with the parts in each group listed in figure and item number sequence.

*b. Section III. Special Tools List.* Not applicable.

*c. Section IV. National Stock Number and Part Number Index.* A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list, in alphameric sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

**3. Explanation of Columns**

*a. 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. The number used to identify item called out in the illustration.

*b. Source, Maintenance, and Recoverability (SMR) Codes.*

(1) Source code. Source codes 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:

<i>Code</i>	<i>Definition</i>
PA -	Item procured and stocked for anticipated or known usage.
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.
XD -	A 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 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 will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

<i>Code</i>	<i>Application/Explanation</i>
O -	Support item is removed, replaced, used at the organizational level.

H -	Support item is removed, replaced, used at the general support level.
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(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 (.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

<i>Code</i>	<i>Application/Explanation</i>
H -	The lowest maintenance level capable of complete repair of the support item is the general support level.
D -	The lowest maintenance level capable of complete repair of the support item is the depot level.
Z -	Nonreparable. No repair is authorized.

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

<i>Recoverability codes</i>	<i>Definition</i>
Z -	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
H -	Reparable item. When uneconomically repairable, condemn and dispose at the general support level.
D -	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
A -	Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical

<i>Recoverability codes</i>	<i>Definition</i>
	material or hazardous material). Refer to appropriate manuals/directives for specific instructions.

<i>Code</i>	<i>Used on</i>
3H2	AN/PRM-31
5DG	AN/PRM-31A
AS0	AN/PRM-31B

c. *National Stock Number.* Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

b. The following publications pertain to the AN/PRM-31, AN/PRM-31A, AN/PRM-31B and components:

d. *Part Number.* 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.

TM 11-6625-1621-12, Radio Test Sets AN/PRM-31, AN/PRM-31A, and AN/PRM-31B.  
 TM 11-6625-1621-45, Test Sets, Radio AN/PRM-31, AN/PRM-31A, and AN/PRM-31B.

**NOTE**

When a stock numbered item is requisitioned, the repair part received may have a different part number than the part being replaced.

e. *Federal Supply Code for Manufacturer (FSCM).* The FSCM is a 5-digit numeric code listed in SB 708-42 which is used to identify the manufacturer, distributor, or Government agency, etc.

**5. How to Locate Repair Parts**

a. When National stock number or part number is unknown.

(1) *First.* Using the table of contents, determine the functional group within which the item 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 item belongs.

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

(4) *Fourth.* Using the Repair Parts Listing, find the figure and item number noted on the illustration.

f. *Description.* Indicates the Federal item name and, if required, a minimum description to identify the item.

b. When National stock number or part number is known.

(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

g. *Unit of Measure (U/M).* Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical 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.

(2) *Second.* After finding the figure and item number, locate the figure and item number in the repair parts list.

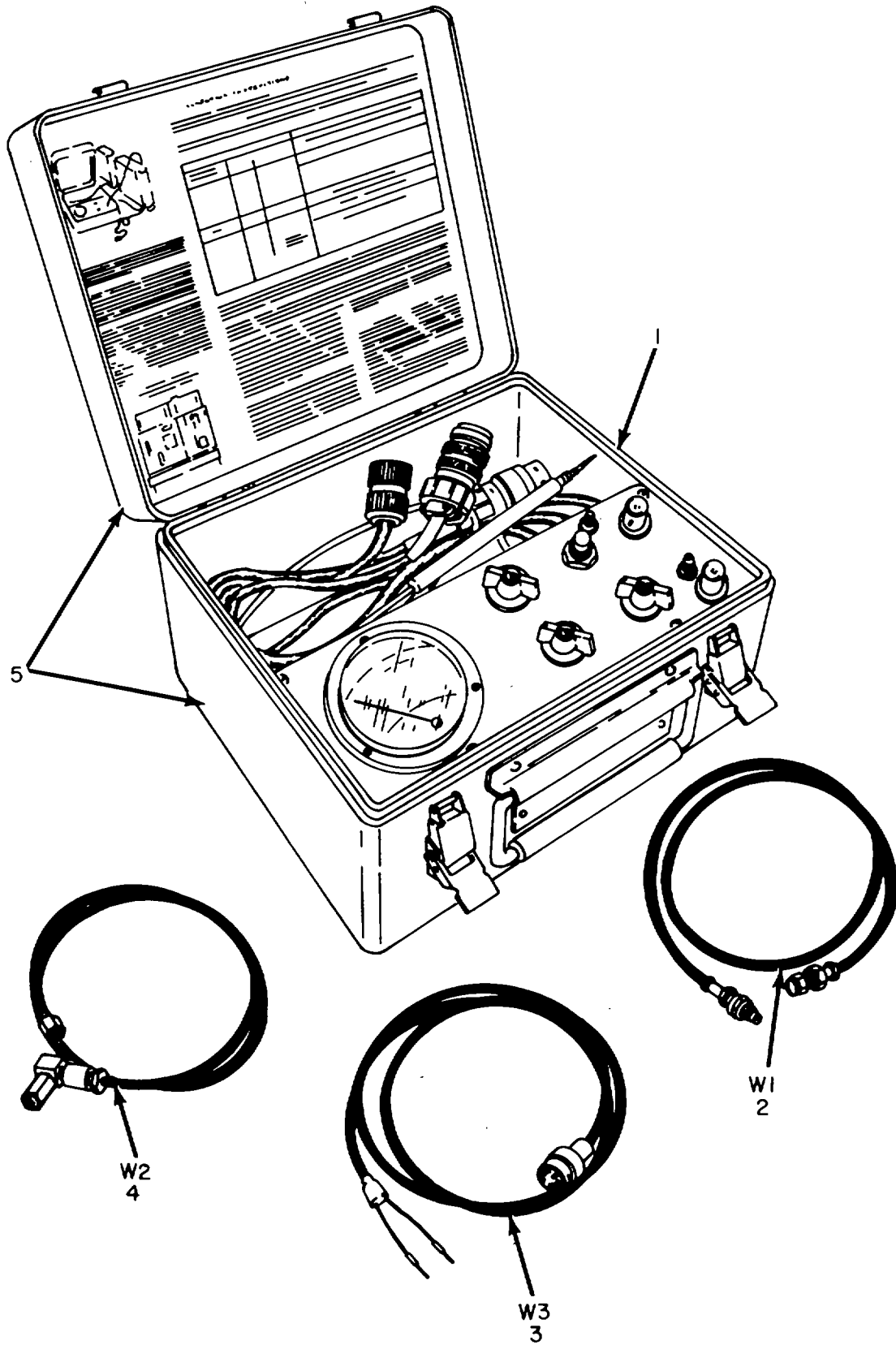
h. *Quantity Incorporated in Unit.* Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly.

**4. Special Information**

**6. Abbreviations**  
 Not applicable.

a. Usable on codes are shown in the description column. Uncoded items are applicable to all models. Identification of the usable on codes used in this publication are:

(Next printed page is 4.)



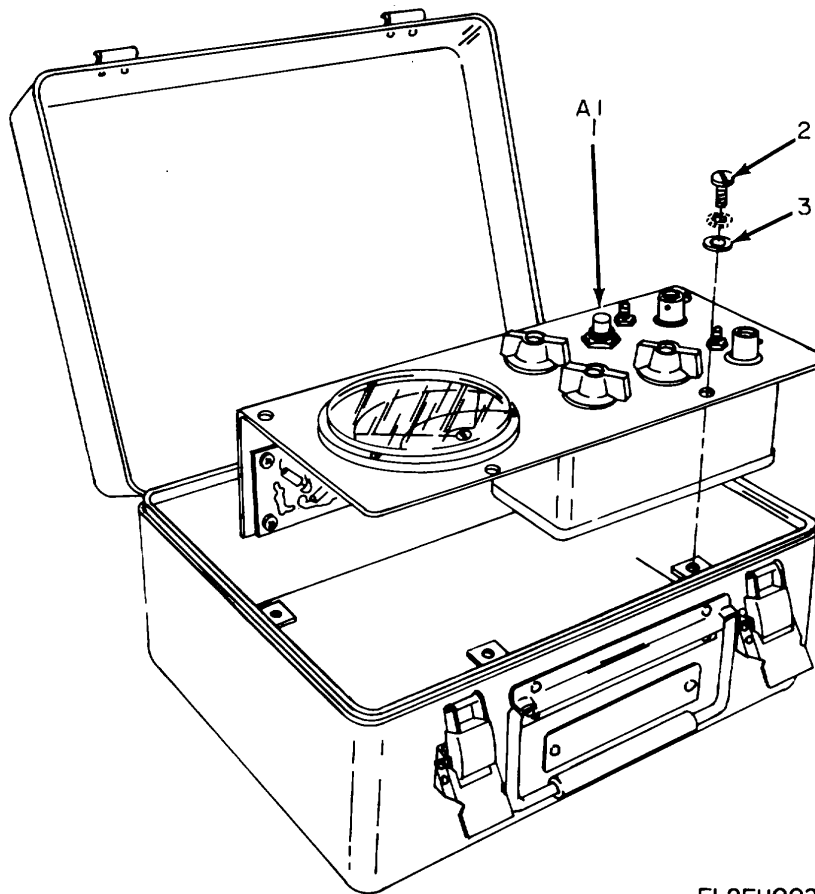
EL2FU001

Figure 1. Test Sets, Radio AN/PRM-31, AN/PRM-31A and AN/PRM-31B.

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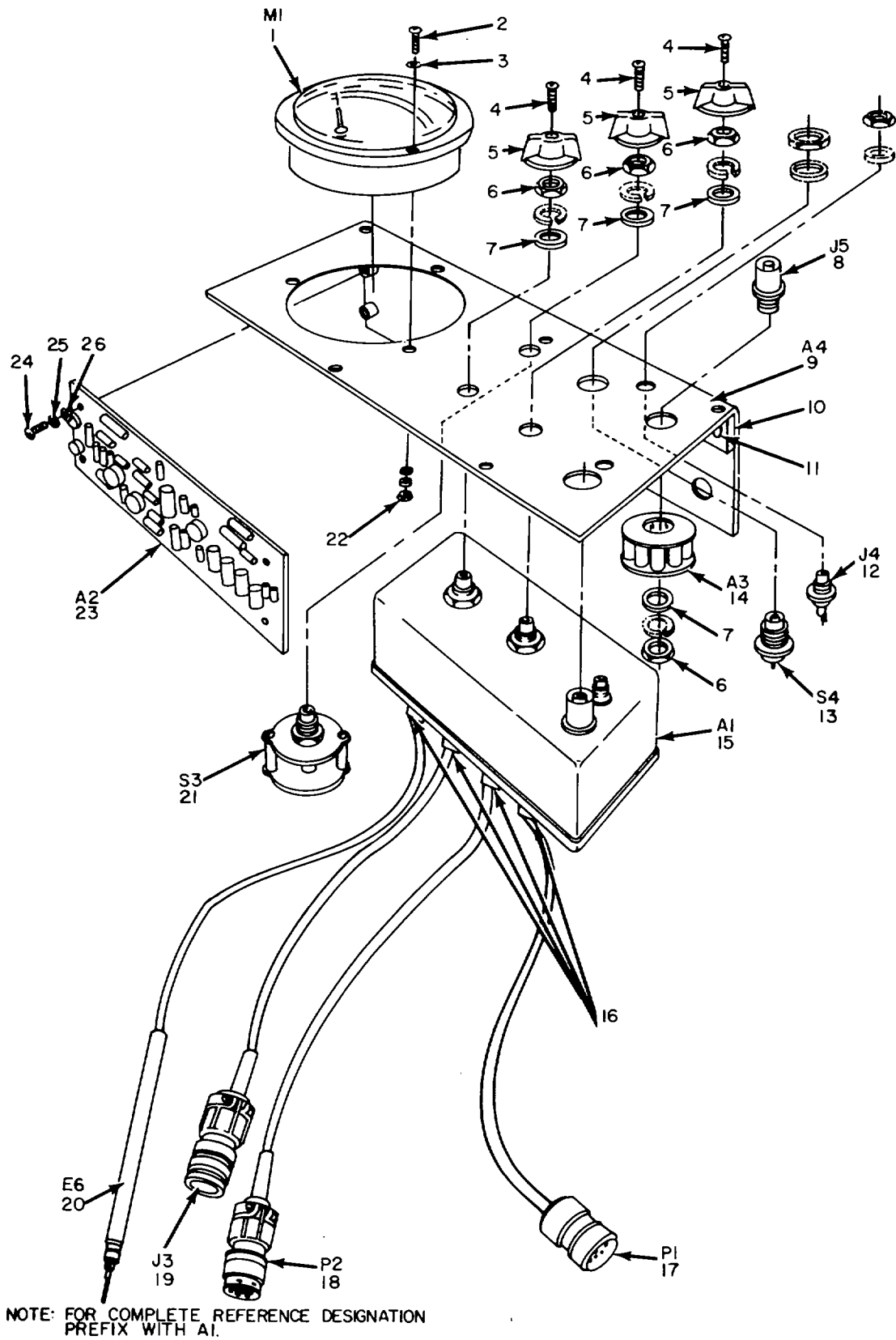
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	UOC	U/M	QTY INC IN UNIT
						GROUP 00 TEST SETS,RADIO AN/PRM-31, AN/PRM-31A, AND AN/PRM-31B		
1	1	PDODD	6625-00-183-0213	TS2587B/PRM-31	80058	TEST SET, RADIO	AS0	EA 1
1	1	PDODD	6625-00-143-6684	TS2587A/PRM-31	80058	TEST SET, RADIO	5DG	EA 1
1	1	PDODD	6625-00-935-1360	TS2587/PRM-31	80058	TEST SET, RADIO	3H2	EA 1
1	2	PAOZZ	5995-00-935-0399	CG3395/U	80058	CABLE ASSEMBLY		EA 1
1	3	PAOZZ	5995-00-832-9040	CG3394/U	80058	CABLE ASSEMBLY		EA 1
1	4	PAOZZ	5995-00-935-2515	CG3396/U	80058	CABLE ASSEMBLY		EA 1
1	5	XDHZZ		39033-011	05869	CASE, INSTRUMENT, ELECTRICAL	AS0	EA 1
1	5	XDHZZ		MTG-1069-100	76561	CASE, INSTRUMENT, ELECTRICAL	5DG	EA 1
1	5	XDHZZ		360081-001	94637	CASE, INSTRUMENT, ELECTRICAL	3H2	EA 1



EL2FU002

Figure 2. Test Sets, Radio TS-2587/PRM-31, TS-2587A/PRM-31 and TS-2587B/PRM-31.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	UOC	U/M	QTY INC IN UNIT
						GROUP 01 TEST SETS, RADIO TS-2587/PRM-31, TS-2587A/PRM-31, AND TS-2587B/PRM-31		
2	1	XDHHH		1596491	05869	FRONT PANEL ASSEMBLY	AS0	EA 1
2	1	XDHHH		1592276	05869	FRONT PANEL ASSEMBLY	5DG	EA 1
2	1	XDHHH		1541101	05869	FRONT PANEL ASSEMBLY	312	EA 1
2	2	PAHZZ	5305-00-054-6651	MS51957-27	96906	SCREW, MACHINE	AS0	EA 6
2	2	PAHZZ	5305-00-984-4989	MS35206-229	96906	SCREW, MACHINE	5DG	EA 1
2	2	PAHZZ	5305-00-984-4904	MS35206-227	96906	SCREW, MACHINE	3H2	EA 1
2	3	PAHZZ	5310-00-638-9857	AN960C6L	88044	WASH, FLAT	AS0	EA 6
2	3	PARZZ	5310-00-983-8483	MS27183-5	96906	WASH, FLAT	5DG, 3H2	EA 1



EL2FU003

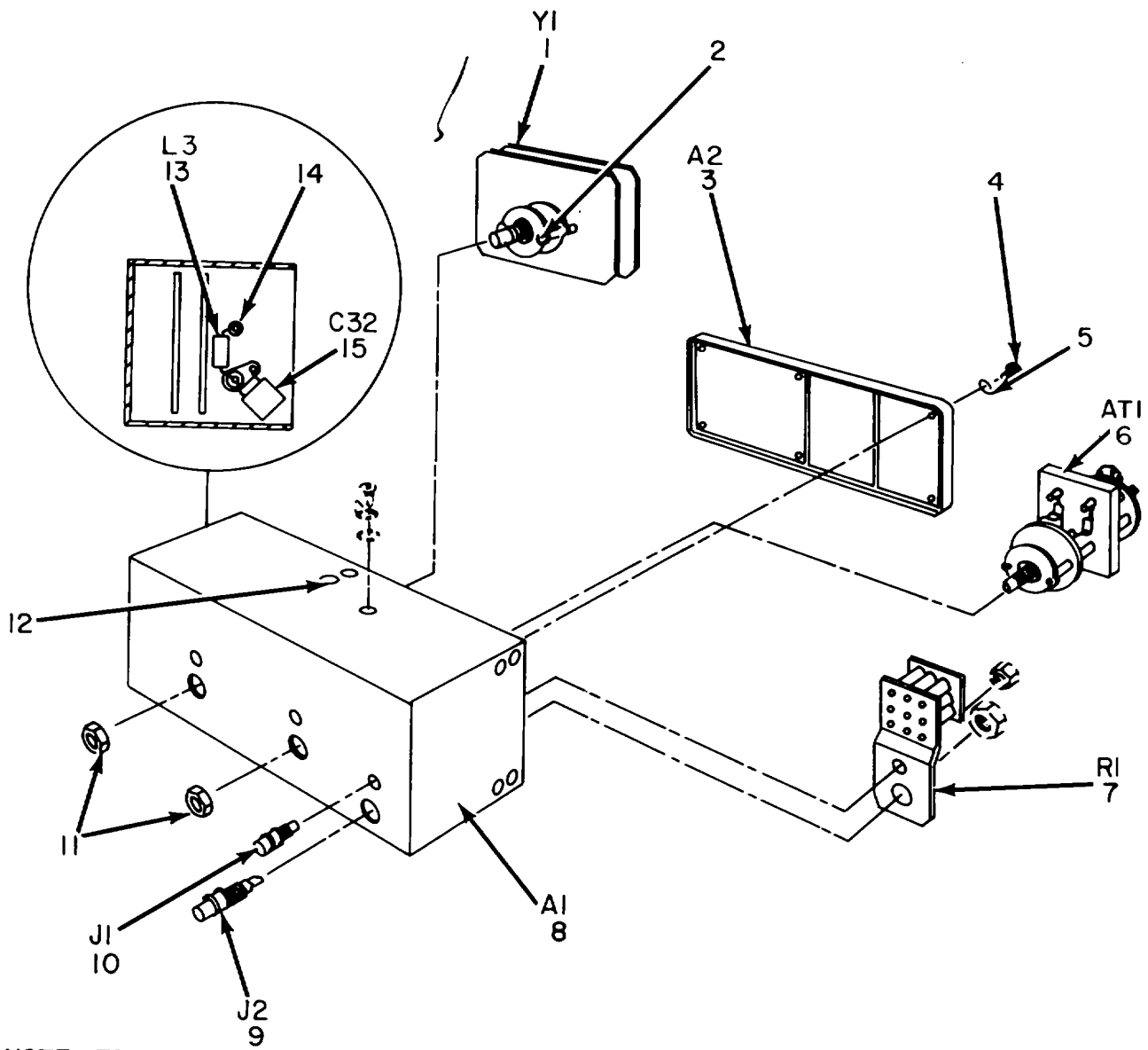
Figure 3. Front Panel Assembly (A1).



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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	UOC	QTY INC IN UNIT
						GROUP 0101 FRONT PAREL ASSEMBLY (A1)		
3	1	PAHZZ	6625-00-089-9200	30-014115	77221	AMMETER		EA 1
3	2	PAHZZ	5305-00-054-6657	MS51957-33	96906	SCREW, MACHINE	AS0	EA 3
3	2	PAHZZ	5305-00-054-5651	NS51957-17	96906	SCREW, MACHINE	5DG, 3H2	EA 3
3	3	PAHZZ	5310-00-638-9857	AN960C6L	88044	WASHER, FLAT		EA 3
3	4	PAOZZ	5305-00-785-9098	LP56D40S4M	03038	SCREW, SELF-LOCKING	AS0,5DG	EA 3
3	4	PAOZZ	5305-00-894-1936	LP35233-13	03038	SCREW, SELF-LOCKING	3H2	EA 9
3	5	PAOZZ	5355-00-999-9389	V25-1	08730	DIAL, CONTROL		EA 3
3	6	PAHZZ	5310-00-810-1148	F440-1	46834	NUT, PLAIN, CLINCH		EA 4
3	7	PAHZZ	5310-00-723-9676	NAS620C4L	80205	WASHER, FLAT		EA 4
3	8	PAHZZ	5935-00-853-7596	UG1094BU	80058	CONNECTOR, RECEPTACLE, ELECTRICAL		EA 1
3	9	XDHZZ		1596494	05869	PANEL, TEST SET	AS0	EA 1
3	9	XDHZZ		1592642	05869	PANEL, TEST SET	5DG	EA 1
3	9	XDHZZ		1541094	05869	PANEL, TEST SET	3H2	EA 1
3	10	XDHZZ		1596494-099	05869	BRACKET	AS0	EA 1
3	11	PAHZZ	5320-00-117-6815	MS20470AD3-4	96906	RIVET	AS0	EA 4
3	12	XDHZZ		50-310-3196	05869	CONNECTOR, RECEPTACLE, ELECTRICAL	AS0	EA 1
3	12	PAHZZ	5935-00-929-0473	50-010-0000	98291	CONNECTOR, RECEPTACLE ELECTRICAL	5DG, 3H2	EA 1
3	13	PAHZZ	5930-00-556-0307	MS525089-3G	96906	SWITCH, PUSH		EA 1
3	14	XDHHH		1596488	05869	RESISTOR ASSEMBLY	AS0	EA 1
3	14	XDHHH		1541102	05869	RESISTOR ASSEMBLY	5DG, 3H2	EA 1
3	15	XDHHH		1596493	05869	SIGNAL GENERATOR, TEST SET	AS0	EA 1
3	15	XDHHH		1592277	05869	SIGNAL GENERATOR, TEST SET	5DG	EA 1
3	15	XDHHH		1541098	05869	SIGNAL GENERATOR, TEST SET	3H2	EA 1
3	16	PAHZZ	5325-00-286-6047	MS35489-1	96906	GROMMET, RUBBER		EA 4
3	17	PAHZZ	5935-00-462-3075	U1B2-U	80058	CONNECTOR, PLUG, ELECTRICAL	3H2	EA 1
3	18	PAHZZ	5395-00-707-5379	DS07-75059	17419	CONNECTOR, PLUG, ELECTRICAL		EA 1
3	19	PAHZZ	5935-00-931-9829	17064-7P059	11139	CONNECTOR, RECEPTACLE, ELECTRICAL		EA 1
3	20	PAHZZ	6625-00-580-3227	302RED	83330	PROBE, TEST		EA 1
3	21	XDHZZ		257107A1	76854	SWITCH, ROTARY		EA 1
3	22	PAHZZ	5310-00-801-4420	NAS679C06M	80205	NUT, SELF-LOCKING, HEXAGON		EA 3
3	23	XDHHH		1596489	05869	METERING CIRCUIT, TEST SET	AS0	EA 1
3	23	XDHHH		1541096	05869	METRIC CIRCUIT, TEST SET	5DG, 3H2	EA 1
3	24	PAHZZ	5305-00-054-5606	MS51957-15	96906	SCREW, MACHINE		EA 4
3	25	PAHZZ	5310-00-550-3715	MS35333-70	96906	WASHER, LOCK		EA 4
3	26	PAHZZ	5310-00-723-9676	NAS620C4L	80205	WASHER, FLAT		EA 4



NOTE: FOR COMPLETE REFERENCE DESIGNATION  
 PREFIX WITH A1A1.

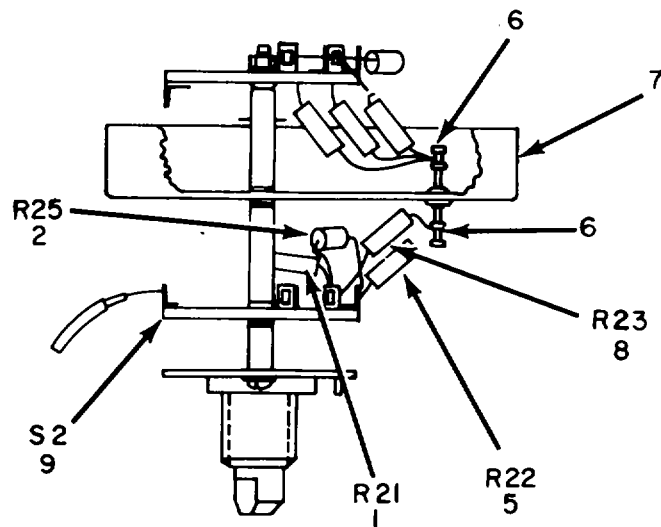
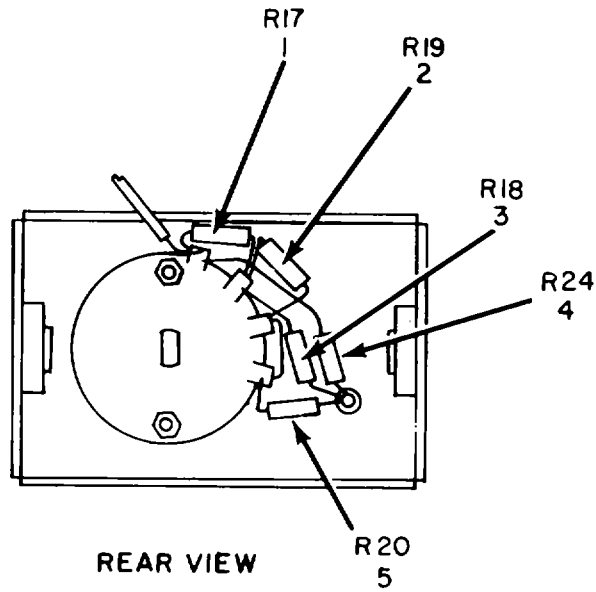
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Figure 4. Signal Generator (AA1).

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	UOC	QTY INC IN UNIT
							U/M	
						GROUP 010101 SIGNAL GENERATOR (A1A1)		
4	1	XDHHH		1596492	05869	OSCILLATOR, TEST SET	AS0	EA 1
4	1	XDHHH		1592304	05869	OSCILLATOR, TEST SET	5DG	EA 1
4	1	XDHHH		1541095	05869	OSCILLATOR, TEST SET	3HZ	EA 1
4	2	PAHZZ	5305-00-225-6400	MS24693C3	96906	SCREW, MACHINE		EA 2
4	3	XDHZZ		1596496	05869	COVER, SIGNAL GENERATOR, TEST SET	AS0	EA 1
4	3	XDHZZ		1592341	05869	COVER, SIGNAL GENERATOR, TEST SET	50G	EA 1
4	3	XDHZZ		1541092	05869	COVER, SIGNAL GENERATOR, TEST SET	3H2	EA 1
4	4	PAHZZ	5305-00-054-5649	NS51957-015	96906	SCREW, MACHINE	AS0, 500	EA 6
4	4	PAHZZ	5305-00-054-5648	NS51957-14	96906	SCREW, MACHINE	3H2	EA 6
4	5	PAHZZ	5310-00-173-9676	NAS620C4L	80205	WASHER, FLAT		EA 6
4	6	XDHHH		1598452	05869	ATTENUATOR, TEST SET	AS0	EA 1
4	6	XDHHH		1541089	05869	ATTENUATOR, TEST SET	50G, 3HZ	EA 1
4	7	XDHHH		1596487	05869	RESISTOR ASSEMBLY	AS0	EA 1
4	7	XDHHH		1562680	05869	RESISTOR ASSEMBLY	5DG, 3H2	EA 1
4	8	XDHZZ		1596495	05869	CHASSIS, SIGNAL GENERATOR, TEST SET	AS0	EA 1
4	8	XDHZZ		1592330	05869	CHASSIS, SIGNAL GENERATOR, TEST SET	5DG	EA 1
4	8	XDHZZ		1541097	05869	CHASSIS, SIGNAL GENERATOR, TEST SET	3H2	EA 1
4	9	PAHZZ	5935-00-760-7196	UG1464-U	80058	CONNECTOR, RECEPTACLE, ELECTRICAL		EA 1
4	10	PAHZZ	5935-00-853-7596	UG1094BU	80058	CONNECTOR, RECEPTACLE, ELECTRICAL		EA 1
4	11	XDHZZ		22A27M22-40	05869	NUT, SELF-LOCKING, PLATE	AS0	EA 6
4	11	XDHZZ		MF6001-04	75237	NUT, SELF-LOCKING, PLATE	5DG, 3H2	EA 6
4	12	PAHZZ	5320-00-119-6754	MS204T0AD2-3	96906	RIVET, SOLID	AS0	EA 12
4	13	PAHZZ	5950-00-921-3418	H590537-37	96906	COIL, RADIO FREQUENCY	AS0, 3HZ	EA 1
4	14	PAHZZ	5320-00-117-6929	MS20426AD2-4	96906	RIVET, SOLID		EA 4
4	15	XDHZZ		8131-050W5R104M	05869	CAPACITOR, FIXED, CERAMIC	AS0	EA 1
4	15	PAHZZ	5910-00-080-4646	5C023104X0250B3	56289	CAPACITOR, FIXED, CERAMIC	3H2	EA 1



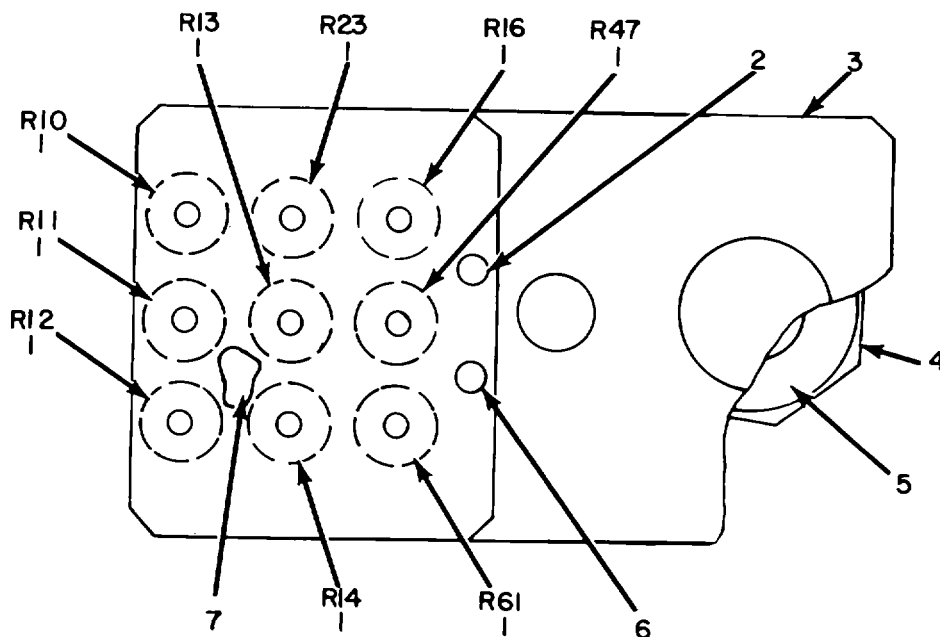
NOTE: FOR COMPLETE REFERENCE DESIGNATION  
 PREFIX WITH A1A1T1. EL2FU005

Figure 5. Attenuator (A1A1T1)  
 12

SECTION II

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	UOC	QTY INC IN UNIT
						GROUP 01010101 ATTENUATOR (A1AT1)		
5	1	PAHZZ	5905-00-764-2784	RCR07G511JH	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA 2
5	1	PAHZZ	5905-00-116-2394	RCR07G5SLJS	81349	RESISTOR, FIXED, COMPOSITION	5DG.,3H2	EA 2
5	2	PAHZZ	5905-00-764-2481	RCR07GS61JN	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA 2
5	2	PAHZZ	5905-00-682-4109	RC07GF561J	81349	RESISTOR, FIXED, COMPOSITION	5DG,3H2	EA 2
5	3	PAHZZ	5905-00-135-3975	RCR07C680JS	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA 1
5	3	PAHZZ	5905-00-683-2235	RC07GF680J	81349	RESISTOR, FIXED, COMPOSITION	5DG,3H2	EA 1
5	4	PAHZZ	5905-00-L33-0440	RCR07TG560JS	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA 1
5	4	PAHZZ	5905-00-682-4106	RC07GF560J	81349	RESISTOR, FIXED, COMPOSITION	5DG, 3H2	EA 1
5	5	PAHZZ	5905-00-126-6692	RCR07G620JS	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA 2
5	5	PAHZZ	5905-00-835-1635	RC07GF620J	81349	RESISTOR, FIXED, COMPOSITION	5DG, 3H2	EA 2
5	6	PAHZZ	6625-00-166-9481	5000A	29111	TERNINAL, STUD		EA 2
5	7	XDHZZ		1541088	05869	SHIELD, ATTENUATOR, TEST SET		EA 1
5	8	PAHZZ	5905-00-772-9398	RCRD7G750JS	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA 1
5	8	PAHZZ	5905-00-106-9357	RC07GF750J	81349	RESISTOR, FIXED, COMPOSITION	5DG, 3H2	EA 1
5	9	XDHZZ		257098A2	76854	SWITCH, ROTARY		EA 1



NOTE: FOR COMPLETE REFERENCE DESIGNATION  
PREFIX WITH AIAIR1.

EL2FU006

Figure 6. Resistor Assembly (A1A1R1).

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	UOC	U/M	QTY INC IN UNIT
						GROUP 01010102 RESISTOR ASSEMBLY (A1A1R1)		
6	1	PAHZZ	5905-00-104-8355	RCR32G561JS	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA 9
6	1	PAHZZ	5905-00-299-2052	RC320F561J	81349	RESISTOR, FIXED, COMPOSITION	5DG, 3H2	EA 9
6	2	XDHZZ		RSTSM1TURP 2	05869	TERMINAL, STUD	AS0	EA 1
6	2	PAHZZ	5940-00-553-2471	RSTSM1TUR	98291	TERMINAL, STUD	5DG, 3H2	EA 1
6	3	XDHZZ		1562681	05869	PLATE		EA 1
6	4	PAHZZ	5310-00-938-2013	MS35649-224	96906	NUT, PLAIN, HEXAGON		EA 1
6	5	PAHZZ	5310-00-928-2690	1535336-134	96906	WASHER, LOCK		EA 1
6	6	PAHZZ	5940-00-082-5002	T1-46-1	05869	TERMINAL, STUD		EA 1
6	7	XDHZZ		1596520	05869	PLATE	AS0	EA 1
6	7	XDHZZ		1562682	05869	PLATE	5DG, 3H2	EA 1

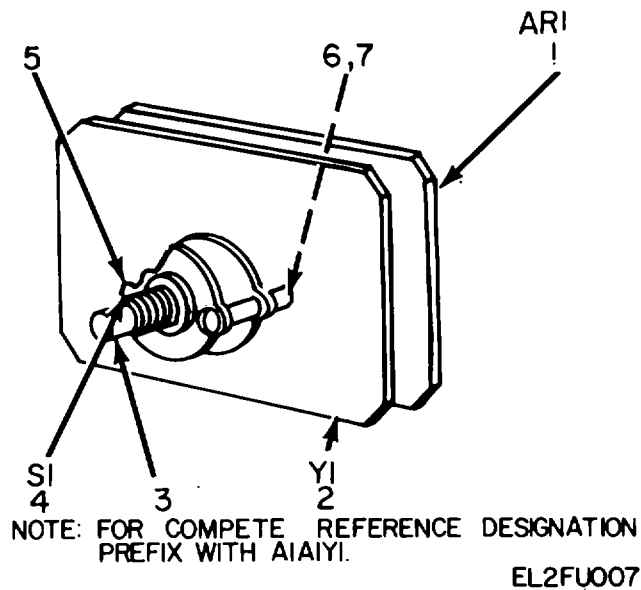
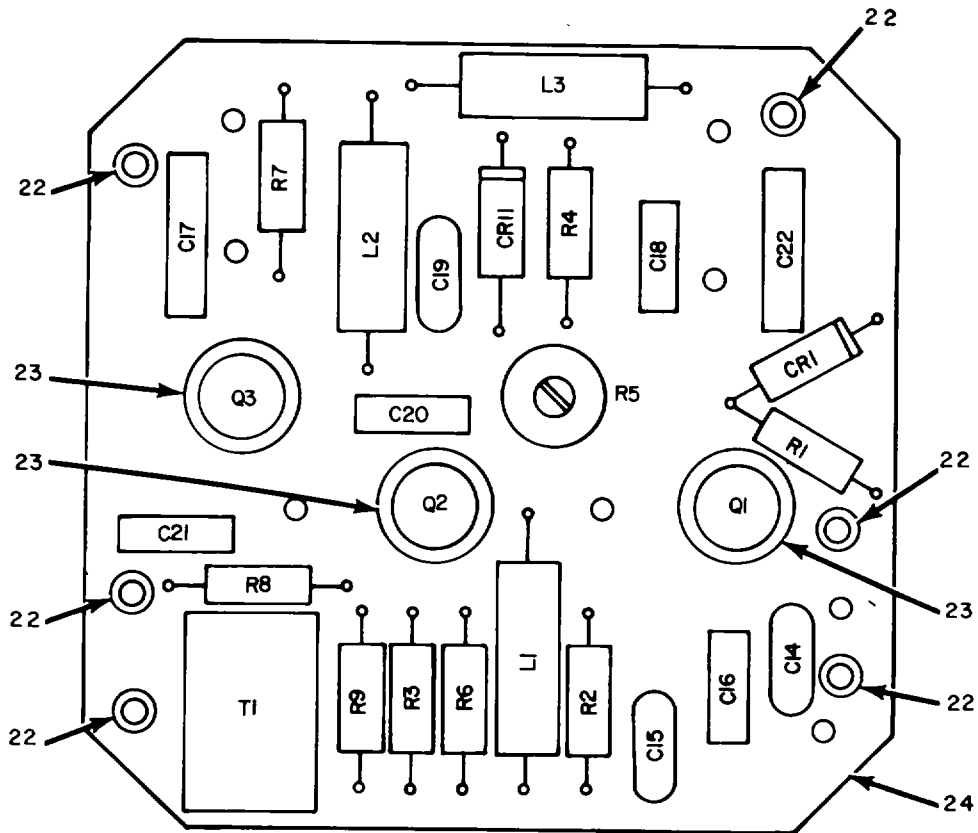


Figure 7. Oscillator, Test Set (A1A1Y1).

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	UOC	U/M	QTY INC IN UNIT
						GROUP 01010103 OSCILLATOR,TEST SET (A1A1Y1)		
7	1	XDHHH		1598320	05869	AMPLIFIER,SIGNAL GENERATOR,TEST SET	AS0	EA 1
7	1	XDHHH		1592301	05869	AMPLIFIER,SIGNAL GENERATOR	5DG	EA 1
7	1	XDHHH		1560960	05869	AMPLIFIER,SIGNAL GENERATOR	3H2	EA 1
7	2	XDHHH		1598319	05869	OSCILLATOR,SIGNAL GENERATOR TEST SET	AS0	EA 1
7	2	XDHHH		1592300	05869	OSCILLATOR,SIGNAL GENERATOR	5DG	EA 1
7	2	XDHHH		1560957	05869	OSCILLATOR,SIGNAL GENERATOR	3H2	EA 1
7	3	XDHZZ		20AWG4201THINPTF EWHITE	05869	INSULATION SLEEVING, ELECTRICAL	AS0	EA 1
7	3	XDHZZ		22AWG201THINPTF	75037	INSULATION SLEEVING,ELECTRICAL	5DG	EA 1
7	3	PAHZZ	5970-00-829-2339	995057-029	82577	INSULATION SLEEVING,ELECTRICAL	3H2	EA 1
7	4	PAHZZ	5930-00-499-7240	275160A1	05869	SWITCH,ROTARY	AS0	EA 1
7	4	PAHZZ	5930-00-782-6066	257097A1	76854	SWTCH,ROTARY	5DG,3H2	EA 1
7	5	XDHZZ	6625-00-138-8620	1579430	05869	SUPPORT,OSCILLATOR		EA 1
7	6	PAHZZ	5320-00-117-6929	MS20426AD2-4	96906	RIVET,SOLID		EA 4
7	7	PAHZZ	5310-00-881-9981	NAS106SC04M	80205	NUT,SELF-LOCKING PLATE		EA 2



REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.
C14	1	CR1	6	R2	14
C15	2	CR11	7	R3	15
C16	3	L1	8	R4	16
C17	4	L2	9	R5	17
C18	3	L3	10	R6	18
C19	5	Q1	11	R7	19
C20	3	Q2	11	R8	20
C21	3	Q3	12	R9	19
C22	4	R1	13	T1	21

NOTE: FOR COMPLETE REFERENCE DESIGNATION  
PREFIX WITH A1A1Y1A1R1.

EL2FU008

Figure 8. Amplifier, Signal Generator (A1A1Y1A1R1), AN/PRM-31.



## SECTION II

TM11-6625-1621-40P

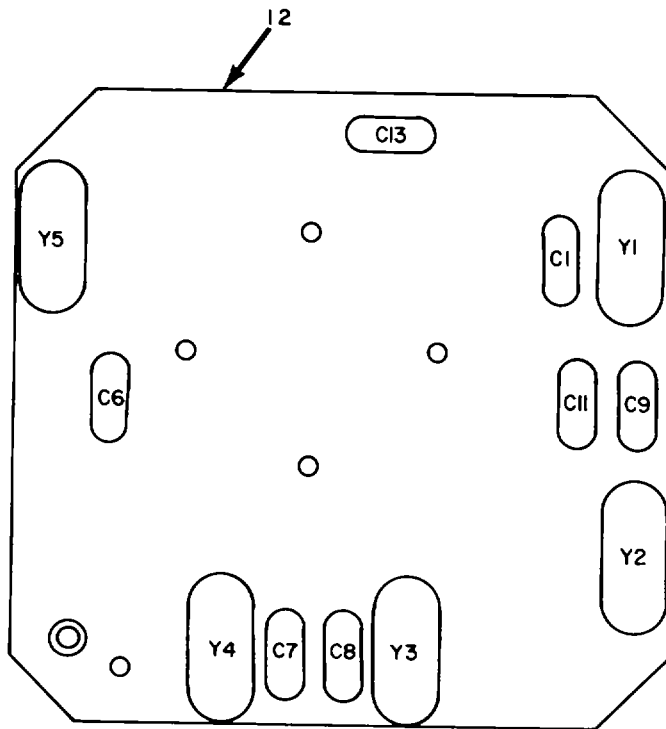
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	UOC	QTY INC IN UNIT
						GROUP 0101010301 AMPLIFIER, SIGNAL GENERATOR (A1A1AY1AR1)		
8	1	PAHZZ	5910-00-954-5504	CM05FD121G03	81349	CAPACITOR, FIXED, MICA	3H2	EA 1
8	2	PAHZZ	5910-00-068-1332	CM050390J03	81349	CAPACITOR, FIXED, MICA	3H2	EA 1
8	3	PAHZZ	5910-00-847-7288	CK06BX103K	81349	CAPACITOR, FIXED, CERAMIC	3H2	EA 4
8	4	PAHZZ	5910--00-0804646	5C023104X025083	56209	CAPACITOR, FIXED, CERAMIC	3H2	EA 2
8	5	PAHZZ	5910-00-064-3305	CKR06CW104KM	81349	CAPACITOR, FIXED, CERAMIC	3H2	EA 1
8	6	PAHZZ	5961-00-84Z-9864	JAN1N914	81349	SEMICONDUCTOR DEVICE.DIODE	3H2	EA 1
8	7	PAHZZ	5961-00-6464611	JAN1N457	81349	SEMICONDUCTOR DEVICE, DIODE	3H2	EA 1
8	8	PAHZZ	5950-00-851-1980	RFCM220	08742	COIL, RADIO FREQUENCY	3H2	EA 1
8	9	PAHZZ	5950-00-478-4353	VE15622	03550	COIL RADIO FREQUENCY	3H2	EA 1
8	10	PAHZZ	5950-00-819-8382	RFCS100	08742	COIL, RADIO FREQUENCY	3H2	EA 1
8	11	PAHZZ	5961-00-013-9843	2N3823	01295	TRANSISTOR	3H2	EA 2
8	12	PAHZZ	5961-00-842-6937	JAN2N706	81349	TRANSISTOR	3H2	EA 1
8	13	PAHZZ	5905-00-683-2238	RC07GF103J	81349	RESISTOR, FIXED, COMPOSITION	3H2	EA 1
8	14	PAHZZ	5905-00-682-4105	RC07GF224J	81349	RESISTOR, FIXED, COMPOSITION	3H2	EA 1
8	15	PAHZZ	5905-00-686-3119	RC07GF132J	81349	RESISTOR, FIXED, COMPOSITION	3H2	EA 1
8	16	PAHZZ	5905-00-683-7726	RC07GF363J	81349	RESISTOR, FIXED, COMPOSITION	3H2	EA 1
8	17	XDHZZ		61PR200	73138	RESISTOR, VARIABLE	3H2	EA 1
8	18	PAHZZ	5905-00-683-7720	RC07GF510J	81349	RESISTOR, FIXED, COMPOSITION	3H2	EA 1
8	19	PAHZZ	5905-00-723-5251	RC07GF222J	81349	RESISTOR, FIXED, COMPOSITION	3H2	EA 2
8	20	PAHZZ	5905-00-683-2240	RC07GF221J	81349	RESISTOR, FIXED, COMPOSITION	3H2	EA 1
8	21	PAHZZ	5950-00-069-2062	11HHB	90095	TRANSFORMER, PULSE	3H2	EA 1
8	22	XDHZZ		201082	88245	TERMINAL, STUD	3H2	EA 6
8	23	PAHZZ	5999-00-226-1755	10194DAP	07047	INSULATOR, TRANSISTOR	3H2	EA 3
8	24	XDHZZ		1560961	05869	PRINTED CIRCUIT BOARD	3H2	EA 1



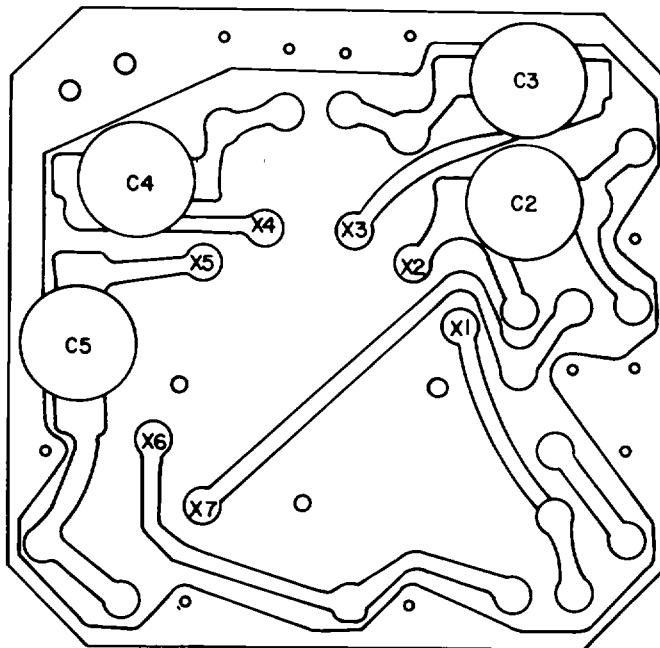
## SECTION II

TM11-6625-1621-40P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)	
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	UOC	U/M	QTY INC IN UNIT	
9	1	PAHZZ	5962-00-780-8022	CA3015	86684	INTEGRATED CIRCUIT, LINEAR AMPLIFIER	AS0, 5DG	EA	1
9	2	PAHZZ	5910-00-890-8988	CK05CW102M	81349	CAPACITOR, FIXED, CERAMIC	AS0, 5DG	EA	1
9	3	PAHZZ	5910-00-847-7288	CK06BX103K	81349	CAPACITOR, FIXED, CERAMIC	AS0, 5DG	EA	2
9	4	XDHZZ		8131-050W5R104M	72982	CAPACITOR, FIXED, CERAMIC	AS0,5DG	EA	5
9	5	PAHZZ	5910-00-067-5697	CM05ED270G03	81349	CAPACITOR, FIXED, CERAMIC	AS0, 5DG	EA	2
9	6	PAHZZ	5961-00-842-9864	JAN1N914	81349	SEMICONDUCTOR DEVICE, DIODE	AS0,5DG	EA	2
9	7	PAHZZ	5950-00-921-3418	MS90537-37	96906	COIL, RADIO FREOUENCY	AS0	EA	1
9	7	PAHZZ	5950-00-819-8382	RFCS100	08742	COIL, RADIO FREOUENCY	5DG	EA	1
9	8	PAHZZ	5961-00-473-2717	39454	02735	TRANSISTOR	AS0, 5DG	EA	1
9	9	XDHZZ		61PR500	73138	RESISTOR, VARIABLE	AS0,5DG	EA	1
9	10	PAHZZ	5905-00-811-8479	RCR07G363JM	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA	1
9	10	PAHZZ	5905-00-683-7726	RCR07GF363J	81349	RESISTOR, FIXED, COMPOSITION	5DG	EA	1
9	11	PAHZZ	5905-00-764-2773	RCR07G202JM	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA	2
9	11	PAHZZ	5905-00-686-3370	RC07GF202J	81349	RESISTOR, FIXED, COMPOSITION	5DG	EA	2
9	12	PAHZZ	5905-00-106-1357	RCR07G563JM	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA	1
9	12	PAHZZ	5905-00-800-0179	RC07GF563J	81349	RESISTOR, FIXED, COMPOSITION	5DG	EA	1
9	13	PAHZZ	5905-00-728-6138	RCR07G221JM	81149	RESISTOR, FIXED, COMPOSITION	AS0	EA	1
9	13	PAHZZ	5905-00-683-2240	RCR07GF221J	81349	RESISTOR, FIXED, COMPOSITION	5DG	EA	1
9	14	PAHZZ	5905-00-728-6139	RCR07C222JM	81139	RESISTOR, FIXED, COMPOSITION	AS0	EA	1
9	14	PAHZZ	5905-00-723-5251	RCR07GF222J	81349	RESISTOR, FIXED, COMPOSITION	5DG	EA	1
9	15	XDHZZ		RCR076G103JM	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA	2
9	15	PAHZZ	5905-00-683-2238	RC07CF103J	81349	RESISTOR, FIXED, COMPOSITION	5DG	EA	2
9	16	PAHZZ	5905-00-485-4554	RCR07G911JS	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA	1
9	16	PAHZZ	5905-00-801-6444	RCR07GF911J	81349	RESISTOR, FIXED, COMPOSITION	5DG	EA	1
9	17	PAHZZ	5905-00-110-7620	RCR07G102JS	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA	4
9	17	PAHZZ	5905-00-681-6462	RCR07CF102J	81349	RESISTOR, FIXED, COMPOSITION	5DG	EA	4
9	18	PAHZZ	5905-00-106-3667	RCR07G120JS	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA	1
9	18	PAHZZ	5905-00-806-0633	RCR076F120J	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA	1
9	19	PAHZZ	5905-00-131-1255	RCR07G1B2JS	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA	1
9	19	PAHZZ	5905-00-686-9994	RCR07GF122J	81349	RESISTOR, FIXED, COMPOSITION	5DG	EA	1
9	20	PAHZZ	5905-00-113-4858	RCR07GT54JS	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA	1
9	20	PAHZZ	5905-00-681-9022	RCR07GF754J	81349	RESISTOR, FIXED, COMPOSITION	5DG	EA	1
9	21	PAHZZ	5950-00-627-0295	42HHA	90095	TRANSFORMER, PULSE	AS0, 5DG	EA	1
9	22	XDHZZ		2010B2	88245	TERMINAL, STUD	AS0, 5DG	EA	7
9	23	PAHZZ	5961-00-946-7707	7717-20DAP	13103	INSULATOR, INTEGRATED CIRCUIT	AS0,5DG	EA	1
9	24	XDHZZ		1598321	05869	PRINTED CIRCUIT BOARD	AS0	EA	1
9	24	XDHZZ		1592298	05869	PRINTED CIRCUIT BOARD	5DG	EA	1
9	25	PAHZZ	5999-00-956-4973	10044DAP	07047	INSULATOR, TRANSISTOR	AS0, 5DG	EA	1



A FRONT VIEW



B REAR VIEW

NOTE: FOR COMPLETE REFERENCE DESIGNATION  
PREFIX WITH A1A1Y1Y1.

REF. DES.	ITEM NO.
C1	1
C2	2
C3	2
C4	2
C5	2
C6	3
C7	4
C8	4
C9	4
C11	5
C13	6
Y1	7
Y2	8
Y3	9
Y4	10
Y5	11

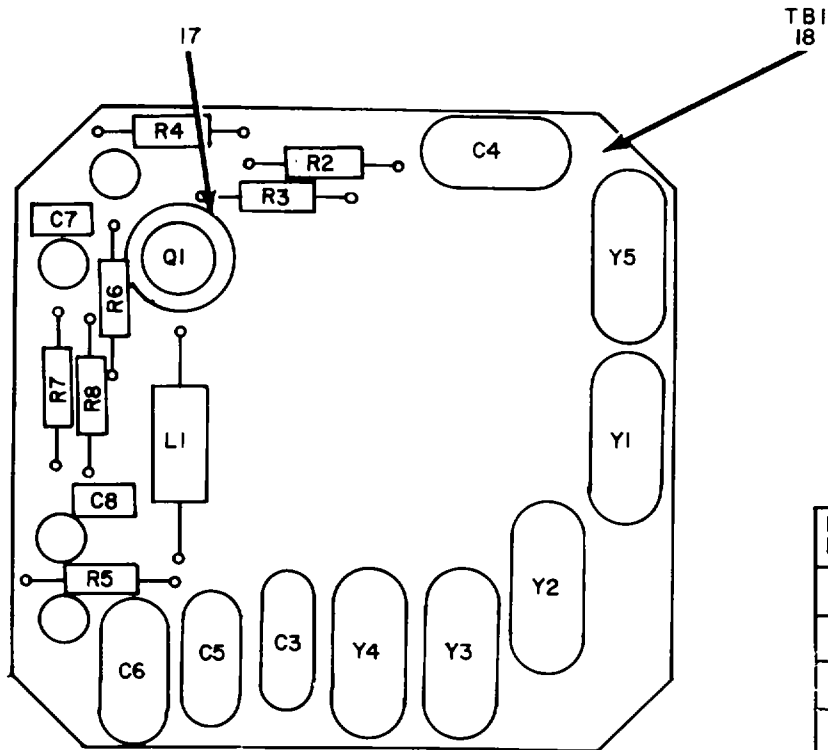
EL2FU010

Figure 10. Oscillator, Signal Generator (A1A1Y1Y1), AN/PRM-31.

## SECTION II

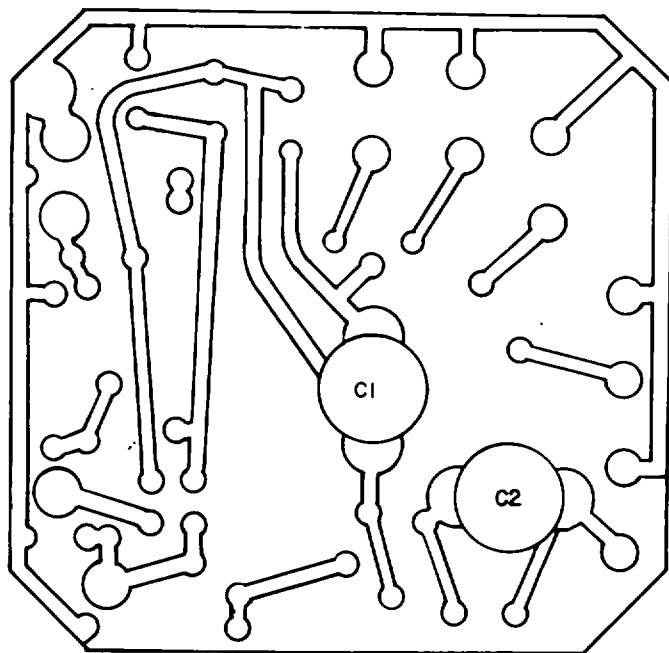
TM11-6625-1621-40P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	UOC	U/M	QTY INC IN UNIT
						GROUP 0101010302 OSCILLATOR, SIGNAL GENERATOR (A1A1Y1Y1)		
10	1	XDHZZ		CM05D330J03	81349	CAPACITOR, FIXED, MICA	3H2 EA	1
10	2	PAHZZ	5910-00-904-4876	538-003-E2PO-94R	72982	CAPACITOR, VARIABLE AIR	3H2 EA	4
10	3	PAHZZ	5910-00-936-7405	CM05CD0150J03	81349	CAPACITOR, FIXED, MICA	3H2 EA	1
10	4	XDHZZ		CM05C080K03	81349	CAPACITOR, FIXED, MICA	3H2 EA	3
10	5	XDHZZ		CM05D390J03	81349	CAPACITOR, FIXED, MICA	3H2 EA	1
10	6	XDHZZ		CM050910J03	81349	CAPACITOR, FIXED, MICA	3H2 EA	1
10	7	PAHZZ	5955-00-782-5160	77AXL-7490	03040	CRYSTAL UNIT, QUARTZ	3H2 EA	1
10	8	PAHZZ	5955-00-782-5117	77AX2-0010	03040	CRYSTAL UNIT, QUARTZ	3H2 EA	1
10	9	PAHZZ	5955-00-782-5116	77AX5-0010	03040	CRYSTAL UNIT, QUARTZ	3H2 EA	1
10	10	PAHZZ	5955-00-782-5115	77AX8-0010	03040	CRYSTAL UNIT, QUARTZ	3H2 EA	1
10	11	PAHZZ	5955-00-782-5114	77AX12-0010	03040	CRYSTAL UNIT, QUARTZ	3H2 EA	1
10	12	XDHZZ		156958	05869	PRINTED WIRING BOARD	3H2 EA	1



A FRONT VIEW

REF. DES.	ITEM NO.	REF. DES.	ITEM NO.
C1	1	R3	9
C2	1	R4	10
C3	2	R5	11
C4	2	R6	9
C5	3	R7	10
C6	4	R8	8
C7	5	Y1	12
C8	5	Y2	13
L1	6	Y3	14
Q1	7	Y4	15
R2	8	Y5	16



B REAR VIEW

NOTE: FOR COMPLETE REFERENCE DESIGNATION  
PREFIX WITH A1A1Y1Y1.

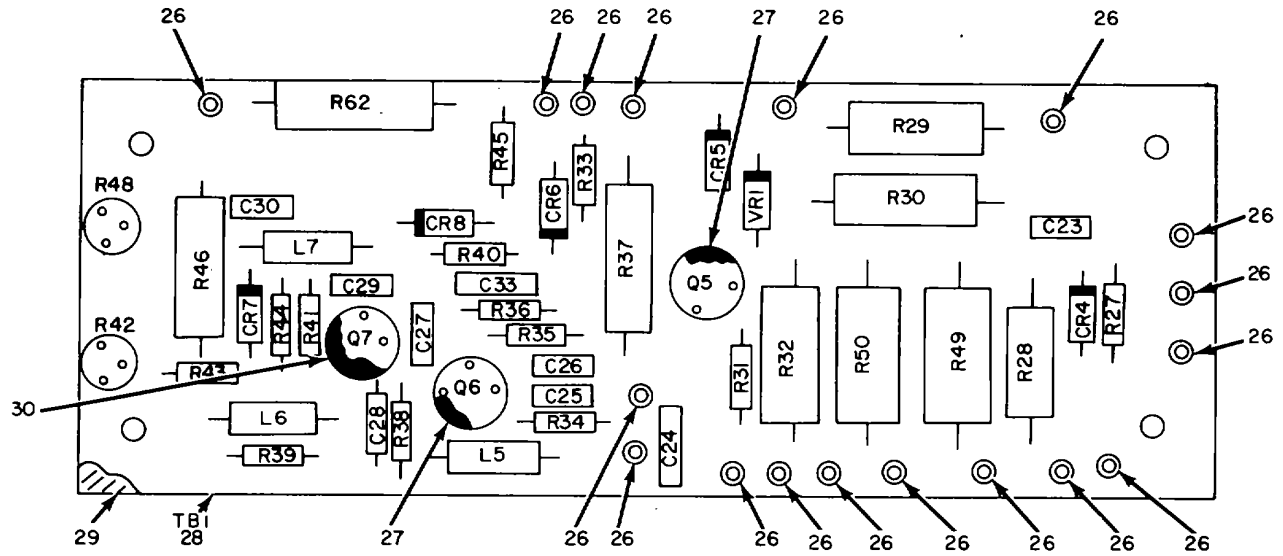
EL2FU011

Figure 11. Oscillator, Signal Generator (A1A1Y1Y1), AN/PRM-31A and AN/PRM-31B.

## SECTION II

TM11-6625-1621-40P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION		(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	UOC		U/M	QTY INC IN UNIT
11	1	PAHZZ	5910-00-902-5821	538-003-112F	72982	CAPACITOR, VARIABLE, CERAMIC	AS0, 5DG	EA	2
11	2	PAHZZ	5910-00-832-8080	CM05C180K03	81349	CAPACITOR, FIXED, CERAMIC	AS0, 5DG	EA	2
11	3	XDHZZ		CM05ED820J03	81349	CAPACITOR, FIXED, CERAMIC	AS0, 5DG	EA	1
11	4	PAHZZ	5910-00-060-1189	CM05F271J03	81349	CAPACITOR, FIXED, CERAMIC	AS0, 5DG	EA	1
11	5	PAHZZ	5910-00-890-8988	CK05CW102M	81349	CAPACITOR, FIXED, CERAMIC	AS0, 5DG	EA	2
11	6	PAHZZ	5950-00-478-4353	VE15622	03550	COIL, RADIO FREQUENCY	AS0, 5DG	EA	1
11	7	PAHZZ	5961-00-473-2717	39454	02735	TRANSISTOR	AS0, 5DG	EA	1
11	8	PAHZZ	5905-00-106-1357	RCR07G563JM	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA	2
11	8	PAHZZ	5905-00-800-0179	RC07CF563J	81349	RESISTOR, FIXED, COMPOSITION	5DG	EA	2
11	9	PAHZZ	5905-00-734-1067	RCR07G683JM	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA	2
11	9	PAHZZ	5905-00-119-3505	RC07GF683JS	81349	RESISTOR, FIXED, COMPOSITION	5DG	EA	2
11	10	PAHZZ	5905-00-754-7892	RCR07G273JM	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA	2
11	10	PAHZZ	5905-00-686-3838	RC07GF273J	81349	RESISTOR, FIXED, COMPOSITION	5DG	EA	2
11	11	PAHZZ	5905-00-758-5223	RCR07G151JM	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA	1
11	11	PAHZZ	5905-00-683-2243	RCR07GF151J	81349	RESISTOR, FIXED, COMPOSITION	5DG	EA	1
11	12	PAHZZ	5955-00-499-6951	77AX1-1-7490	03040	CRYSTAL UNIT, QUARTZ	AS0	EA	1
11	12	PAHZZ	5955-00-782-5160	77AX1-7490	03040	CRYSTAL UNIT, QUARTZ	5DG	EA	1
11	13	PAHZZ	5955-00-626-9905	77AX1-2-0010	03040	CRYSTAL UNIT, QUARTZ	AS0	EA	1
11	13	PAHZZ	5955-00-782-5117	77AX2-0010	03040	CRYSTAL UNIT, QUARTZ	5DG	EA	1
11	14	PAHZZ	5955-00-627-0240	77AX1-5-0010	03040	CRYSTAL UNIT, QUARTZ	AS0	EA	1
11	14	PAHZZ	5955-00-782-5116	77AX5-0010	03040	CRYSTAL UNIT, QUARTZ	5DG	EA	1
11	15	PAHZZ	5955-00-499-6953	77AX1-8-0010	03040	CRYSTAL UNIT, QUARTZ	AS0	EA	1
11	15	PAHZZ	5955-00-782-5115	77AX8-0010	03040	CRYSTAL UNIT, QUARTZ	5DG	EA	1
11	16	PAHZZ	5955-00-499-6952	77AX1-12-0010	03040	CRYSTAL UNIT, QUARTZ	AS0	EA	1
11	16	PAHZZ	5955-00-782-5114	77AX12-0010	03040	CRYSTAL UNIT, QUARTZ	5DG	EA	1
11	17	PAHZZ	5999-00-956-4973	10044DAP	07041	INSULATOR, TRANSISTOR	AS0, 5DG	EA	1
11	18	XDHZZ		1598318	05869	PRINTED WIRING BOARD	AS0	EA	1
11	18	XDHZZ		1592297	05869	PRINTED WIRING BOARD	5DG	EA	1



REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.
C23	1	CR4	5	Q6	9	R34	15	R43	20
C24	2	CR5	6	Q7	9	R35	16	R44	20
C25	3	CR6	5	R27	10	R36	17	R45	20
C26	1	CR7	5	R28	11	R37	11	R46	21
C27	3	CR8	5	R29	12	R38	15	R48	22
C28	3	L5	7	R30	13	R39	18	R49	23
C29	3	L6	7	R31	10	R40	16	R50	23
C30	3	L7	7	R32	12	R41	17	R62	24
C33	4	Q5	8	R33	14	R42	19	VRI	25

NOTE: FOR COMPLETE REFERENCE DESIGNATION  
PREFIX WITH A1A2.

EL2FU012

Figure 12. Metering Circuit (A1A2).



## SECTION II

TM11-6625-1621-40P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	UOC	U/M	QTY INC IN UNIT
						GROUP 010102 METERING CIRCUIT (A1A2)		
12	1	PAHZZ	5910-00-892-3125	UR10-503	71590	CAPACITOR, FIXED, CERAMIC	EA	2
12	2	PAHZZ	5910-00-689-8751	5C023104X0500B3	56289	CAPACITOR, FIXED, CERAMIC	AS0	EA 1
12	2	PAHZZ	5910-00-080-4646	5C023104X0250B3	56289	CAPACITOR, FIXED, CERAMIC	5DG, 3H2	EA 1
12	3	PAHZZ	5910-00-847-7288	CK06BX103K	81349	CAPACITOR, FIXED, CERAMIC	EA	5
12	4	PAHZZ	5910-00-227-7491	CM05ED750J03	81349	CAPACITOR, FIXED, CERAMIC	EA	1
12	5	PAHZZ	5961-00-842-9864	JAN1N914	81349	SEMICONDUCTOR DEVICE, DIODE	EA	4
12	6	PAHZZ	5961-00-646-4611	JAN1N457	81349	SEMICONDUCTOR DEVICE, DIODE	EA	1
12	7	PAHZZ	5950-00-921-3418	MS90537-37	96906	COIL, RADIO FREQUENCY	EA	3
12	8	PAHZZ	5961-00-837-7262	JAN2N697	81349	TRANSISTOR	EA	1
12	9	PAHZZ	5961-00-842-6937	JAN2N706	81349	TRANSISTOR	EA	2
12	10	PAHZZ	5905-00-764-2784	RCR07G511JM	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA 2
12	10	PAHZZ	5905-00-116-2394	RCR07G511J5	81349	RESISTOR, FIXED, COMPOSITION	5DG, 3HZ	EA 2
12	11	XDHZZ		MECT047-5KOHMSPO		RESISTOR, FIXED, FILM	EA	2
				RM1PCT	12400			
12	12	XDHZZ		MECT0294KOHMSPOR		RESISTOR, FIXED, FILM	EA	2
				M1PCT	12400			
12	13	XDHZZ		MECT0604KOHMSPOR		RESISTOR, FIXED, FILM	EA	1
				M1PCT	12400			
12	14	PAHZZ	5905-00-141-0742	RCR07G181JS	81349	RESISTOR, FIXED, COMPOSITION	EA	1
12	15	XDHZZ		RCR07G62JM	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA 2
12	15	PAHZZ	5905-00-682-4095	RC07GF162J	81349	RESISTOR, FIXED, COMPOSITION	5DG, 3H2	EA 2
12	16	PAHZZ	5905-00-119-3503	RCR07G271JS	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA 2
12	16	PAHZZ	5905-00-725-6995	RC07GFZ71J	81349	RESISTOR, FIXED, COMPOSITION	5DG, 3H2	EA 2
12	17	PAHZZ	5905-00-734-1035	RCR07G270JM	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA 2
12	17	PAHZZ	5905-00-113-4860	RCR07270JS	81349	RESISTOR, FIXED, COMPOSITION	5DG, 3H2	EA 1
12	18	PAHZZ	5905-00-136-3891	RCR07G621JS	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA 1
12	18	PAHZZ	5905-00-801-6998	RC07GF621J	81349	RESISTOR, FIXED, COMPOSITION	5DG, 3H2	EA 1
12	19	XDHZZ		61PR10K	73138	RESISTOR, VARIABLE	EA	1
12	20	PAHZZ	5905-00-764-2180	RCR07G101JN	81349	RESISTOR, FIXED, COMPOSITION	AS0	EA 3
12	20	PAHZZ	5905-00-683-7721	RC07GF101J	81349	RESISTOR, FIXED, COMPOSITION	5DG, 3H2	EA 3
12	21	PAHZZ	5905-00-913-5017	MECTO56-2KOHMSPO		RESISTOR, FIXED, FILM	EA	1
				RM1PCT	12400			
12	22	PAHZZ	5905-00-484-2986	61PR50K	73138	RESISTOR, VARIABLE	EA	1
12	23	PAHZZ	5905-00-926-8736	MECT0549KOHMSPOR		RESISTOR, FIXED, FILM	EA	2
				M1PCT	12400			
12	24	PAHZZ	5905-00-902-9973	MECT024-9KOHMSPO		RESISTOR, FIXED, FILM	EA	1
				RM1PCT	12400			
12	25	PAHZZ	5961-00-833-3043	JAN1NT57A	81349	SEMICONDUCTOR DEVICE, DIODE	EA	1
12	26	XDHZZ		3025C	95264	TERMINAL, STUD	EA	18
12	27	PAHZZ	5999-00-226-1755	101940AP	07047	INSULATOR, TRANSISTOR	EA	2
12	28	XDHZZ		1598317	05869	PRINTED CIRCUIT BOARD	AS0	EA 1

SECTION II

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION  UOC	U/M	QTY INC IN UNIT
12	28	XDHZZ		1560768	05869	PRINTED CIRCUIT BOARD 5DG, 3H2	EA	1
12	29	XDHZZ		765736-012	05869	PLASTIC SHEET	EA	1
12	30	PAHZZ	5999-00-946-0947	10079DAP	07047	INSULATOR, TRANSISTOR	EA	1

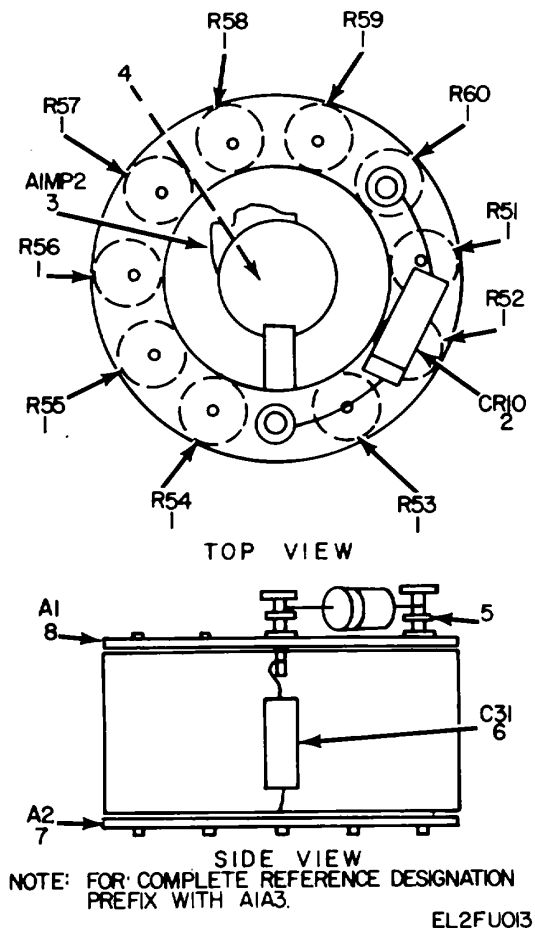


Figure 13. Resistor Assembly (A1A3).

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	UOC	U/M	QTY INC IN UNIT
						GROUP 010103 RESISTOR ASSEMBLY (A1,A3)		
13	1	PAHZZ	5905-00-186-2972	RC42GF511J	81349	RESISTOR, FIXED, COMPOSITION	EA	10
13	2	PAHZZ	5961-00-944-4761	PD9047	01281	SEMICONDUCTOR DEVICE, DIODE	EA	1
13	3	XDHZZ		1541086-099	05869	PLATE	EA	1
13	4	PAHZZ	5310-00-167-0804	AN960C616	88044	WASHER, FLAT	EA	1
13	5	XDHZZ		PR605	05869	TERMINAL, FEEDTHRU, INSULATED	AS0	EA
13	5	XDHZZ		FTSM1TURC10	98291	TERMINAL, FEEDTHRU, INSULATED	5DG, 3H2	EA
13	6	PAHZZ	5910-00-689-8751	5C023104X0500B3	56289	CAPACITOR, FIXED, CERAMIC	AS0	EA
13	6	PAHZZ	5910-00-809-5484	5C023104X0250B3	56289	CAPACITOR, FIXED, CERAMIC	5DG, 3H2	EA
13	7	XDHZZ		1541090	05869	PLATE, RESISTOR	EA	1
13	8	XDHZZ		1596519	05869	PLATE, RESISTOR	AS0	EA
13	8	XDHZZ		1541086	05869	PLATE, RESISTOR	5DG, 3H2	EA

**SECTION IV**

**NATIONAL STOCK NUMBER AND PART NUMBER INDEX**

**T11-6625-1621-40P**

**NOTE: LATEST NATIONAL STOCK NUMBER AND PART NUMBER ASSIGNMENTS ARE INCLUDED AT END OF INDEX**

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5961-00-013-9843	8	11	5310-00-723-9676	4	5
5305-00-054-5648	4	4	5905-00-728-6138	9	13
5305-00-054-5651	3	2	5905-00-728-6139	9	14
5305-00-054-6651	2	2			
5305-00-054-6657	3	2	5905-00-734-1035	12	17
			5905-00-754-7892	11	10
5910-00-060-1189	11	4	5905-00-758-5223	11	11
5950-00-069-2062	8	21	5905-00-764-2180	12	20
5910-00-080-4646	4	15	5905-00-764-2773	9	11
5910-00-080-4646	8	4	5905-00-764-2784	5	1
5910-00-080-4646	12	2	5905-00-764-2784	12	10
6625-00-089-9200	3	1	5905-00-772-9398	5	8
5905-00-113-4858	9	20	5955-00-782-5114	10	11
5320-00-117-6815	3	11	5955-00-782-5114	11	16
5320-00-117-6929	4	14	5955-00-782-5115	10	10
5320-00-117-6929	7	6	5955-00-782-5115	11	15
5320-00-119-6754	4	12	5955-00-782-5116	10	9
5905-00-126-6692	5	5	5955-00-782-5116	11	14
5905-00-133-0440	5	4	5955-00-782-5117	10	8
5905-00-136-3891	12	18	5955-00-782-5117	11	13
6625-00-138-8620	7	5	5955-00-782-5160	10	7
6625-00-143-6683	1	1	5955-00-782-5160	11	12
	1		5930-00-782-6066	7	4
5905-00-186-2972	13	1	5305-00-785-9098	3	4
5305-00-225-6400	4	2	5905-00-800-0179	9	12
5999-00-226-1755	8	23	5905-00-800-0179	11	8
5999-00-226-1755	12	27			
5325-00-286-6047	3	16	5905-00-801-6444	9	16
			5905-00-801-6998	12	18
5905-00-299-2052	6	1	5905-00-806-0633	9	18
5961-00-473-2717	9	8	5310-00-810-1148	3	6
5961-00-473-2717	11	7	5905-00-811-8479	9	10
5950-00-478-4353	8	9	5950-00-819-8382	8	10
5950-00-478-4353	11	6	5950-00-819-8382	9	7
5905-00-484-2986	12	22	5970-00-829-2339	7	3
5905-00-485-4554	9	16	5961-00-833-3043	12	25
5310-00-550-3715	3	25	5905-00-835-1635	5	5
5940-00-553-2471	6	2	5961-00-837-7262	12	8
5930-00-556-0307	3	13	5961-00-842-6937	8	12
6625-00-580-3227	3	20	5961-00-842-6937	12	9
5950-00-627-0295	9	21	5961-00-842-9864	8	6
5310-00-638-9857	2	3	5961-00-842-9864	9	6
5961-00-646-4611	8	7	5961-00-842-9864	12	5
5961-00-646-4611	12	6	5950-00-851-1980	8	8
5905-00-681-6462	9	17	5310-00-881-9981	7	7
5905-00-681-9022	9	20	5910-00-890-8988	9	2
5905-00-682-4095	12	15	5910-00-890-8988	11	5
5905-00-682-4105	8	14	5305-00-894-1936	3	4
5905-00-682-4106	5	4	5910-00-902-5821	11	1
5950-00-921-3418	4	13			
5905-00-682-4109	5	2	5950-00-921-3418	4	13
5905-00-683-2235	5	3	5950-00-921-3418	9	7
5905-00-683-2240	8	20	5950-00-921-3418	12	7
5905-00-683-2240	9	13	5310-00-928-2690	6	5
5905-00-683-2243	11	11	5935-00-931-9829	3	19
5905-00-683-7720	8	18	5995-00-935-0399	1	2
5905-00-683-7726	8	16	6625-00-935-1359	1	1
5905-00-683-7726	9	10	5995-00-935-2515	1	4
5905-00-686-3119	8	15	5310-00-938-2013	6	4
5905-00-686-3370	9	11	5961-00-944-4761	13	2
5905-00-686-9994	9	19	5999-00-946-0947	12	30
5910-00-68S-8751	12	2	5999-00-956-4973	S	25
5910-00-68S-8751	13	6	5310-00-983-8483	2	3
5905-00-723-5251	8	19	5305-00-984-4984	2	2
5905-00-723-5251	9	14	5305-00-984-4989	2	2
5310-00-723-9676	3	7	5355-00-999-9389	3	5
5310-00-723-9676	3	26			

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
AN960C6L	88044	2	3				
AN960C6L	88044	3	3				
AN960C616	88044	13	4				
CA3015	86684	9	1	CM05C080K03	81349	10	4
CK05CW102M	81349	9	2	CM05C180KC3	81349	11	2
CK05CW102M	81349	11	5				
				CM05D330J03	81349	10	1
				CM050390J03	81349	8	2

## SECTION IV

## NATIONAL STOCK NUMBER AND PART NUMBER INDEX

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PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG NO.	ITEM NO.	
CM050390J03	81349		10	5	RRC07G563JM	81349	11	8
CM050910J03	81349		10	6	RRC07G620JS	81349	5	5
					RRC07G621JS	81349	12	18
CM05ED750J03	81349		1	4				
CM05ED820J03	81349		11	3				
					RRC07G750JS	81349	5	8
DS07-7S059	17419		3	18	RRC07G754JS	81349	9	20
FTSM1TURC10	98291		13	5	RRC07G911JS	81349	9	16
F440-1	46384		3	6				
JAN1N457	81349		8	7	RC07CF101J	81349	12	20
JAN1N457	81349		12	6				
JAN1N757A	81349		12	25	RC07GF103J	81349	8	13
JAN1N914	81349		B	6	RC07GF103J	81349	9	15
JAN1N914	81349		9	6	RC07GF120J	81349	9	18
JAN1N914	81349		12	5	RC07GF122J	81349	S	19
JAN2N697	81349		12	8	RC07GF132J	81349	8	15
JAN2N706	81349		8	12	RC07GF151J	81349	11	11
JAN2N706	81349		12	9	RC07GF162J	81349	12	15
LP35233-13	03038		3	4				
LP56D40S4M	03038		3	4	RC07GF202J	81349	S	11
MECT024-9KOHMSPORM1PCT	12400		12	24	RC07GF221J	81349	8	20
MECT0294KOHMSPORM1PCT	12400		12	12	RC07GF221J	81349	9	13
MECT047-5KOHMSPORM1PCT	12400		12	11	RC07GF222J	81349	8	19
MECT0549KOHMSPORM1PCT	12400		12	23	RC07GF222J	81349	9	14
MECT056-2KOHMSPORM1PCT	12400		12	21	RC07GF224J	81349	8	14
MECT604KOHMSPORM1PCT	12400		12	13				
MF6001-04	75237		4	11	RC07GF271J	81349	12	16
MS20426AD2-4	96906		7	6	RC07GF273J	81349	11	10
MS20426A02-4	96906		4	14	RC07GF363J	81349	8	16
MS20470AD2-3	96906		4	12	RC07GF363J	81349	9	10
MS20470A03-4	96906		3	11	RC07GF510J	81349	8	18
MS24693C3	96906		4	2				
MS25089-3G	S6506		3	13				
RC07GF560J	81349		5	4				
RC07GF561J	81349		5	2				
MS35206-227	96906		2	2	RC07GF563J	81349	9	12
MS35206-229	96906		2	2	RC07GF563J	81349	11	8
MS35333-70	96906		3	25	RC07GF620J	81349	5	5
MS35338-134	96906		6	5	RC07GF621J	81349	12	18
MS35489-1	96906		3	16	RC07GF680J	81349	5	3
MS35649-224	96906		6	4	RC07GF683J	81349	11	9
MS51957-015	96906		4	4	RC07GF750J	81349	5	8
RC07GF754J	81349		9	20				
MS51957-14	96906		4	4	RC07GF911J	81349	9	16
MS51957-17	96906		3	2	RC32GF561J	81349	6	1
MS51957-27	96906		2	2	RC42GF511J	81349	13	1
MS51957-33	96906		3	2	RFCM220	08742	8	8
					RFCS100	08742	8	10
MS90537-37	96906		4	13	RFCS100	08742	9	7
MS90537-37	96906		9	7	RSTSM1TUR	98291	6	2
MS90537-37	96906		4	13	RSTSM1TURP2	98291	6	2
MS90537-37	96906		12	7				
MTG-1069-100	76561		1	5	T1-46-1	05869	6	6
NAS1068C04M	80205		7	7	UG1464-U	81349	4	9
NAS620C4L	80205		3	7	UR10-503	71590	12	1
NAS620C4L	80205		3	26	U182-U	81349	3	17
NAS620C4L	80205		4	5	VE15622	03550	8	9
NAS679C06M	80205		3	22	VE15622	03550	11	6
PD9047	05869		13	2	V25-1	08730	3	5
PR605	81349		13	5	100440AP	07041	11	17
RRC07G101JM	81349		12	20	100440AP	07047	9	25
RRC07G102JM	81349		9	17	10079DAP	07047	12	30
RRC07G103JM	81349		9	15	10194DAP	07047	8	23
					10194DAP	07047	12	27
					11HBB	90095	8	21
RRC07G151JM	81349		11	11				
RRC07G162JM	81349		12	15	1541086	05869	13	8
					1541086-099	05869	13	3
RRC07G202JM	81349		9	11	1541088	05869	5	7
RRC07G221JM	81349		9	13	1541089	05869	4	6
RRC07G222JM	49		9	14	1541090	05869	13	7
RRC07G270JM	81349		12	17	1541092	05869	4	3
					1541094	05869	3	9
RRC07G273JM	81349		11	10	1541095	05869	4	1
RRC07G363JM	81349		9	10	1541096	05869	3	23
RRC07G511JM	81349		5	1	1541097	05869	4	8
RRC07G511JM	81349		12	10	1541098	05865	3	15
RRC07G560JS	81349		5	4				
RRC07G561JM	81349		5	2				
RRC07G563JM	81349		9	12	1541101	05869	2	1

## SECTION IV

## NATIONAL STOCK NUMBER AND PART NUMBER INDEX

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PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
1541102	05869	3	14	257097A1	76854	7	4
1560768	05869	12	28	257098A2	76854	5	9
1560957	05869	7	2	257107A1	76854	3	21
1560960	05869	7	1	275160A1	05869	7	4
1560961	05869	8	24	30-014115	77221	3	1
1562680	05869	4	7	302RED	83330	3	20
1562681	05869	6	3	3025C	95264	12	26
1562682	05869	6	7	360081-001	94637	1	5
156958	05869	10	12	390033-011	05869	1	5
1579430	05869	7	5	39454	02735	9	8
1592276	05869	2	1	39454	02735	11	7
1592277	05869	3	15	42RHA	90095	9	21
1592297	05869	11	18	5C023104XD250B3	56289	4	15
1592298	05869	9	24	5C023104XD250B3	56289	8	4
1592300	05869	7	2	5C023104XD250B3	56289	12	2
1592301	05869	7	1	5C023104XD250B3	56289	13	6
1592304	05869	4	1	5C023104XD500B3	05869	12	2
1592330	05869	4	8	5C023104XD500B3	05869	13	6
1592341	05869	4	3	50-310-3196	05869	3	12
1592642	05869	3	9	5000A	29111	5	6
1596487	05869	4	7	538-003-E2PO-94R	72982	10	2
1596488	05869	3	14	538-003-112F	72982	11	1
1596489	05869	3	23	61PR10K	73138	12	19
1596491	05869	2	1	61PR200	73138	8	17
1596492	05869	4	1	61PR50K	73138	12	22
1596493	05869	3	15	61PR500	73138	9	9
1596494	05869	3	9	765736-012	05869	12	29
156494-099	05869	3	10	77AX1-1-7490	03040	11	12
1596495	05869	4	8	77AX1-12-0010	03040	11	16
1596496	05869	4	3	77AX1-2-0010	03040	11	13
1596519	05869	13	8	77AX1-5-0010	03040	11	14
1596520	05869	6	7	77AX1-7490	03040	10	7
1598317	05869	12	28	77AX1-7490	03040	11	12
1598318	05869	11	18	77AX1--0010	03060	11	15
1598319	05869	7	2	77AX12-0010	03040	10	11
1598320	05869	7	1	77AX12-0010	03040	11	16
1598321	05869	9	24	77AX2-0010	03040	10	8
1598452	05869	4	6	77AX2-0010	03040	11	13
17064-7P059	11139	3	19	77AX5-0010	03040	10	9
2N3823	01295	8	11	77AX5-0010	03040	11	14
20AWG4201THINPTFWHITE	05869	7	3	77AXS-0010	03040	10	10
2010B2	88245	8	22	77AX8-0010	03040	11	15
2010B2	88245	9	22	7717-20DAP	13103	9	23
22AWG201THINPTF	75037	7	3	8131-050W5R104M	05869	4	15
22A27422-40	05869	4	11	8131-050W5R104M	72982	9	4
				995057-029	82577	7	3

**ADDITIONAL LATEST NATIONAL STOCK NUMBER ASSIGNMENTS**

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5305-00-054-5649	4	4	5905-00-686-3838		11 10
5305-00-054-5650	3	24	5905-00-725-6995		12 16
5910-00-064-3305	8	5	5095-00-734-1067		11 9
5910-00-067-5697	9	5	5935-00-760-7196		4 9
5910-00-068-1332	8	2	5905-00-764-2481		5 2
5940-00-082-5002	6	6	5962-00-780-8022		9 1
5910-00-809-5484	13	6			
5905-00-104-8355	6	1			
5905-00-106-1357	9	12	5910-00-832-8080		11 2
5905-00-106-1357	11	8	5995-00-832-9040		1 3
5905-00-106-9357	5	8			
5905-00-110-7620	9	17	5910-00-853-7596		3 8
5905-00-113-4860	12	17	5910-00-853-7596		4 10
5905-00-116-2394	5	1			
5905-00-116-2394	12	10			
5905-00-119-3503	12	16			
5905-00-119-3505	11	9	5910-00-892-3125		12 1
5905-00-131-1255	9	19	5905-00-902-9973		12 24
5905-00-135-3975	5	3	5910-00-904-4876		10 2
5905-00-341-0742	12	14	5905-00-913-5017		12 21
5310-00-167-0804	13	4	5905-00-926-8736		12 23
6625-00-183-0213	1	1	5935-00-936-7405		10 3
5910-00-227-7491	12	4	5910-00-954-5504		8 1
5910-00-462-3075	3	17	5999-00-956-4973		11 17
5955-00-499-6951	11	12	5305-00-984-4984		2 2
5955-00-499-6952	11	16			
5955-00-499-6953	11	15			
5930-00-499-7240	7	4			
5955-00-626-9905	11	13			
5955-00-627-0240	11	14			
5310-00-638-9857	3	3			
5905-00-683-2238	8	13			
5905-00-683-2238	9	15			
5905-00-683-7721	12	20			

**LATEST PART NUMBER ASSIGNMENTS**

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
CG3395/U	80058	1	2
CG3396/U	80058	1	4
CK06CW104KM	81349	8	5
CM05ED270G03	81349	9	5
MS51957-15	96906	3	24
RCK32G561JS	81349	6	1
TS2587A/PRM-31	80058	1	1
TS2587B/PRM-31	80058	1	1
TS2587/PRM-31	80058	1	1
UGL094BU	80058	3	8
UG1094BU	80058	4	10
50-010-0000	98291	3	12

**ADDITIONAL LATEST NATIONAL STOCK NUMBER ASSIGNMENTS**

STOCK NUMBER	FIGURE NO.	ITEM NO.
5905-00-106-3667	9	18
6625-00-166-9481	5	6
5935-00-707-5379	3	18
5910-00-847-7288	8	3
5910-00-847-7288	9	3
5910-00-847-7288	12	3
5961-00-946-7707	9	23

**ADDITIONAL LATEST PART NUMBER ASSIGNMENTS**

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
CK06BX103K	81349	8	3
CK06BX013K	81349	9	3
CK06BX103K	81349	12	3
CM05CD0150J03	81349	10	3
CM05FD12G03	81349	8	1
CM05F271J03	81349	11	4
M527183-5	96906	2	3
RCR07G102JS	81349	9	17
RCR07G120JS	81349	9	18
RCR07G122JS	81349	9	19
RCR07G181JS	81349	12	14
RCR07G271JS	81349	12	16
RCR07G511JS	81349	5	1
RCR07G511JS	81349	12	10
RCR07G680JS	81349	5	3
RCR07270JS	81349	12	17
RC07GF683JS	81349	11	9



By Order of the Secretary of the Army:

**BERNARD W. ROGERS**  
*General, United States Army*  
*Official: Chief of Staff*

**J. C. PENNINGTON**  
*Brigadier General, United States Army*  
*The Adjutant General*

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## THE METRIC SYSTEM AND EQUIVALENTS

### LINEAR MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches  
 1 Meter = 100 Centimeters = 1,000 Millimeters = 39.37 Inches  
 1 Kilometer = 1,000 Meters = 0.621 Miles

### SQUARE MEASURE

1 Sq Centimeter = 100 Sq Millimeters = 0.155 Sq Inches  
 1 Sq Meter = 10,000 Sq Centimeters = 10.76 Sq Feet  
 1 Sq Kilometer = 1,000,000 Sq Meters = 0.386 Sq Miles

### CUBIC MEASURE

1 Cu Centimeter = 1,000 Cu Millimeters = 0.06 Cu Inches  
 1 Cu Meter = 1,000,000 Cu Centimeters = 35.31 Cu Feet

### LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces  
 1 Liter = 1,000 Milliliters = 33.82 Fluid Ounces

### TEMPERATURE

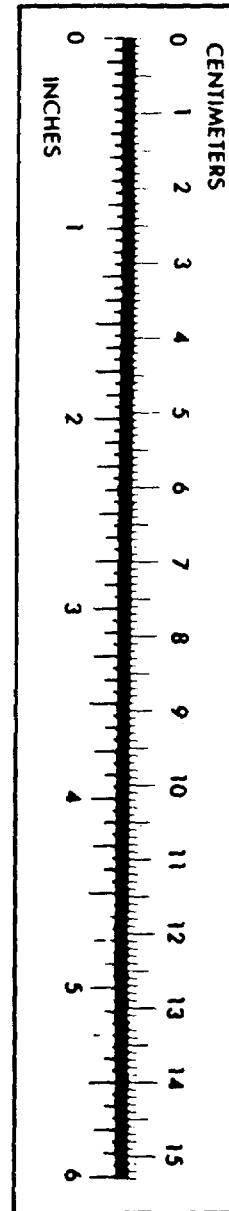
$5/9 (°F - 32) = °C$   
 212° Fahrenheit is equivalent to 100° Celsius  
 90° Fahrenheit is equivalent to 32.2° Celsius  
 32° Fahrenheit is equivalent to 0° Celsius  
 $9/5 C° + 32 = F°$

### WEIGHTS

1 Gram = 0.001 Kilograms = 1,000 Milligrams = 0.035 Ounces  
 1 Kilogram = 1,000 Grams = 2.2 lb.  
 1 Metric Ton = 1,000 Kilograms = 1 Megagram = 1.1 Short Tons

### APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
Pints	Liters	0.473
Quarts	Liters	0.946
Gallons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds Per Square Inch	Kilopascals	6.895
Miles Per Gallon	Kilometers Per Liter	0.425
Miles Per Hour	Kilometers Per Hour	1.609
TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
Liters	Gallons	0.264
Grams	Ounces	0.035
Kilograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pound-Feet	0.738
Kilopascals	Pounds Per Square Inch	0.145
Kilometers Per Liter	Miles Per Gallon	2.354
Kilometers Per Hour	Miles Per Hour	0.621



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