

TECHNICAL MANUAL
ORGANIZATIONAL, DIRECT SUPPORT,
AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND
SPECIAL TOOLS LISTS

FOR

SIMULATOR, RADAR
SIGNAL SM-674/UPM

(NSN 6940-01-031-5887)

AND

TEST ADAPTER, RADAR
SET MX-9848/APR-39(V)1

(NSN 5841-01-025-0379)

HEADQUARTERS, DEPARTMENT OF THE ARMY

24 MAY 1977

TECHNICAL MANUAL }
 No. 11-6940-211-24P }

HEADQUARTERS
 DEPARTMENT OF THE ARMY
 WASHINGTON, DC 24 May 1977

**ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT
 MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS**

FOR

SIMULATOR, RADAR SIGNAL SM-674/UPM

(NSN 6940-01-031-5887)

AND

TEST ADAPTER, RADAR SET MX-9848/APR-39(V)1

(NSN 5841-01-025-0379)

Current as of 31 January 1977

REPORTING OF ERRORS

You can improve this manual by recommending improvements using DA Form 2028-2 (Test) located in the back of the manual. Simply tear out the self addressed form, fill it out as shown on the sample, fold it where shown, and drop it in the mail.

If there are no blank DA Form 2028-2 (Test) in the back of your manual, use the standard DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forward to the Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmouth, New Jersey 07703.

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

Table of Contents

	Page	Illus Figure
SECTION I . . . INTRODUCTION	1	
II. REPAIR PARTS LIST	5	
Group 00 Special test equipment for AN/APR-39(V)1	5	1
01 Simulator, Radar Signal SM-674/UPM.	7	2
0101 Simulator, Radar Signal SM-736/UPM, front view	9	3
Simulator, Radar Signal SM-736/UPM, right side view	11	4
Simulator, Radar Signal SM-736/UPM, left side view	13	5
Simulator, Radar Signal SM-736/UPM, rear view	15	6
02 0102 Case CY-7583/UPM (See next higher assembly)		
Test Adapter, Radar Set MX-9646/APR.39(V)1, top view	17	7
Test Adapter, Radar Set MX-9848/APR-39(V)1, bottom view	19	8
SECTION III. SPECIAL TOOLS LIST (Not applicable)		
IV. NATIONAL STOCK NUMBER AND PART NUMBER INDEX	21	

National Stock Number (NSN'S) 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 NSN'S are established and published, submit exception requisitions to Commander, US Army Electronics Command, ATTN: DRSEL-MM, Fort Monmouth, New Jersey 07703, for the part required to support your equipment.

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 organizational, direct support, and general support maintenance of the SM-674/UPM and MX-9848/APR-39(V)l. 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.
PE-	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
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.
F-	Support item is removed, replaced, used at the direct support level.

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

<i>Code</i>	<i>Application/Explanation</i>
D-	The lowest maintenance level capable of complete repair of the support item is the depot level.
L-	Repair restricted to designated specialized repair activity.
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:

Recoverability
codes

Definition

Z-Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.

D-Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.

L-Reparable item. Repair, condemnation, and disposal not authorized below depot/specialized repair activity level.

A- Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material). Refer to appropriate manuals/directives for specific instructions.

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

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.

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.

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

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.

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. A "V" appearing in this column in lieu of a quantity indicates that no specific quantity is applicable, (e.g., shims, spacers, etc).

4. Special Information

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:

<i>Code</i>	<i>Used on</i>
CVG	AM-674/UPM
CVH	MX-9848/APR-39(V)1

b. The following publication pertains to the AM-674/UPM and MX-9848/APR-39(V) 1 and their components:

(C)TM 11-6625-2742-14, Simulator, Radar Signal SM-674/UPM and Test Adapter, Radar Signal MX-9848/APR-39(V)1 (U)

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.

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.

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

6. Abbreviations

Not applicable.

(Next printed page is 4)

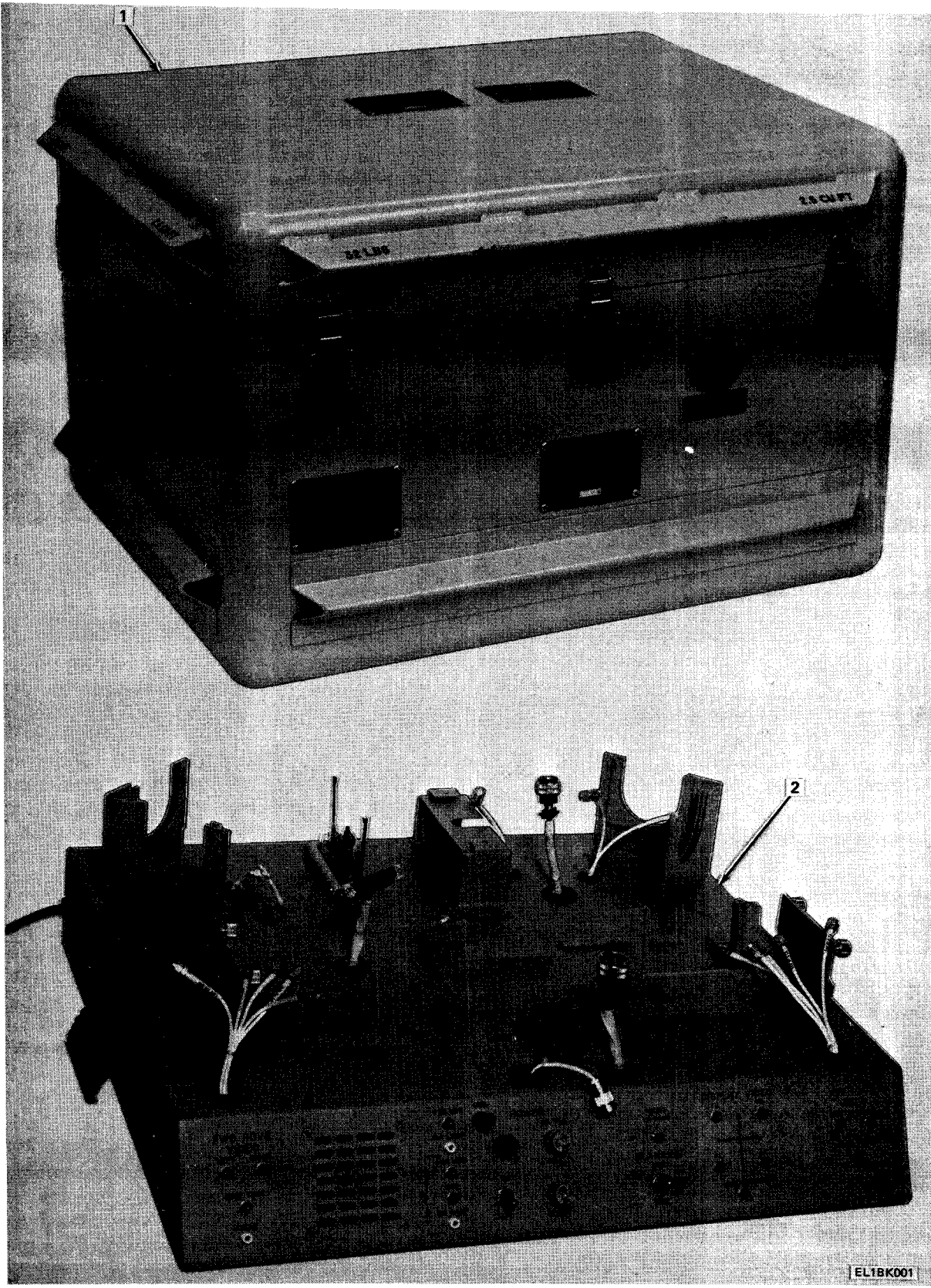


Figure 1. Special Test Equipment for AN/APR-39(V).

SECTION II (1) ILLUSTRATION (A) (B) FIG ITEM NO. NO.		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	TM11-6940-211-24P (6) DESCRIPTION	USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
GROUP 00 SPECIAL TEST EQUIPMENT FOR AN/APR-39 (V)1									
1	1	PEOPD	6940-01-031-5887	SMC877251	80063	SIMULATOR,RADOR SIGNAL SM-674/UPM	CVG	EA	1
1	2	PEOPD	5841-01-025-0379	SMD877147	80063	TEST ADAPTER,RADAR SET MX-9848/APR-39(V)1	CVH	EA	1

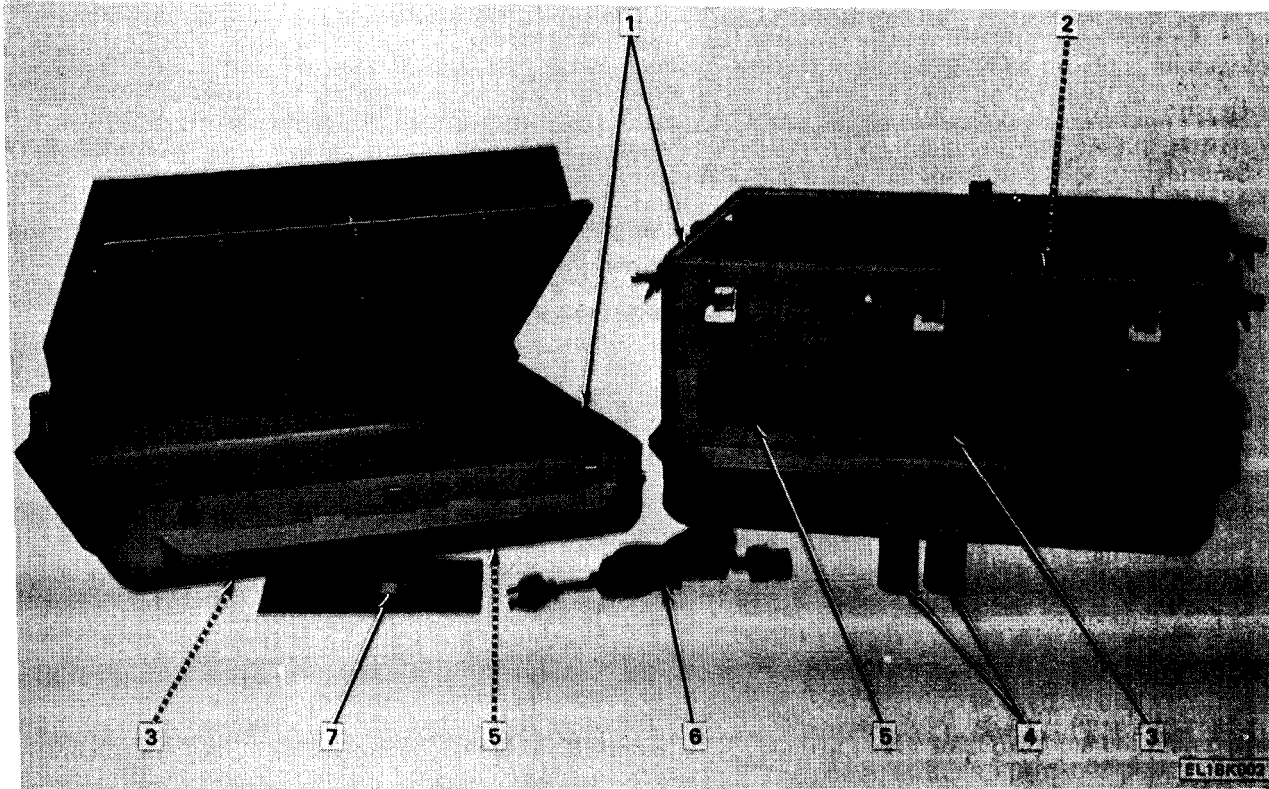


Figure 2. Simulator, Radar Signal SM-674/UPM.

SECTION II (1) ILLUSTRATION (A) (B) FIG ITEM NO. NO.		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	TM11-6940-211-24P (6) DESCRIPTION	USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 01 SIMULATOR,RADAR SIGNAL SM-674/UPM			
2	1	PDOFD	6940-01-031-5880	D100386	23481	CASE, SIMULATOR, RADAR SIGNAL, CY-7583/UPM	CVG	EA	1
2	2	PDOFD	6940-01-031-5886	SMD877123	80063	SIMULATOR, RADAR SIGNAL SM-736/UPM	CVG	EA	1
2	3	XDOZZ		SMD877144-3	80063	NAMEPLATE	CVG	EA	2
2	4	PAOZZ		CH4	12924	BATTERY, STORAGE, 1.2V	CVG	EA	2
2	5	XDOZZ		SMD877144-4	80063	NAMEPLATE	CVG	EA	2
2	6	PAOZZ		17250	70903	CORD, POWER	CVG	EA	1
2	7	PAOZZ		FM02-125V1-4A	81349	FUSE, INDICATING	CVG	EA	5

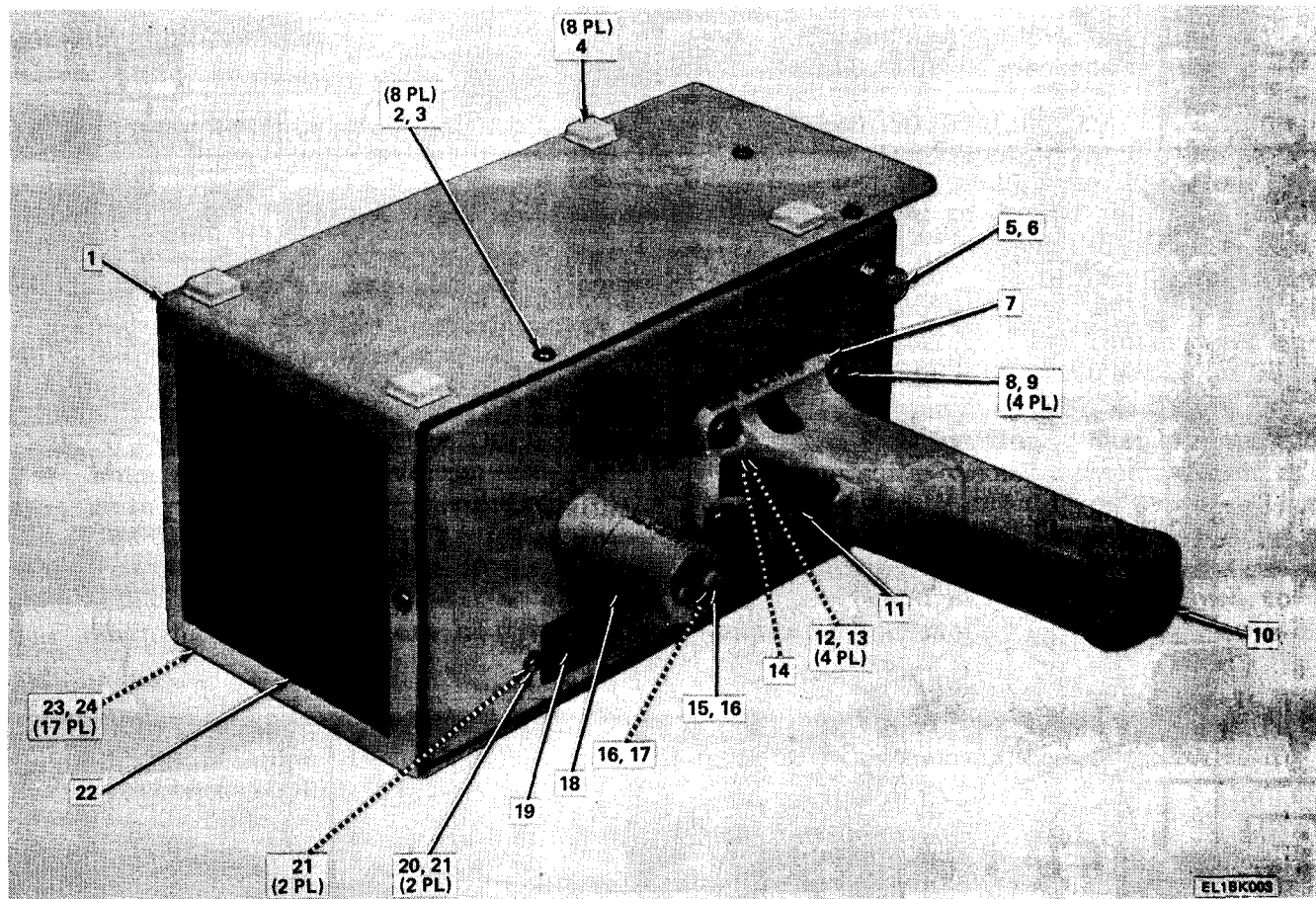


Figure 3. Simulator, Radar Signal SM-736/UPM, Front View.

SECTION II (1) ILLUSTRATION (A) (B) FIG ITEM NO. NO.		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	TM11-6940-211-24P (6) DESCRIPTION	USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 0101 SIMULATOR,RADAR SIGNAL			
						SM-736/UPM			
3	1	XDFZZ		SMD877127	80063	COVER ASSEMBLY	CVG	EA	1
3	2	XDFZZ	5305-00-969-4356	MS3212-14	96906	SCREW,SELF SEALING	CVG	EA	8
3	3	PAFZZ	5310-00-982-6813	MS21044C06	96906	NUT,SELF LOCK	CVG	EA	4
3	4	XDFZZ		SJ5025WHITE	76381	PAD,PROTECTOR	CVG	EA	8
3	5	POAZZ		FM02-125V1-4A	81349	FUSE,INDICATING	CVG	EA	1
3	6	PAFZZ	5920-00-902-6827	282002	75915	FUSEHOLDER	CVG	EA	1
3	7	PAFZZ		SMC877203	80063	HANDLE, SWITCH	CVG	EA	1
3	8	PAFZZ	5305-00-059-3661	MS51958-65	96906	SCREW,PAN HEAD	CVG	EA	4
3	9	PAFZZ		MS15795-808	96906	WASHER,FLAT	CVG	EA	4
3	10	PAOZZ		SMB877290	80063	PLUG,HOLE	CVG	EA	1
3	11	PAFZZ		SMD877213	80063	TRIGGER/SWITCH ASSEMBLY	CVG	EA	1
3	12	XDFZZ	5305-00-054-5649	MS51957-15	96906	SCREW,PAN HEAD	CVG	EA	4
3	13	XDFZZ	5310-00-782-1349	MS15795-804	96906	WASHER,FLAT	CVG	EA	4
3	14	PAFZZ		MS35489-31	96906	GROMMET	CVG	EA	1
3	15	PAFZZ	5305-00-054-6682	MS51957-55	96906	SCREW,PAN HEAD	CVG	EA	1
3	16	PAFZZ	5310-00-614-3552	MS35335-59	96906	WASHER,LOCK	CVG	EA	2
3	17	PAFZZ	5310-00-934-9759	MS35649-284	96906	NUT,PLAIN,HEXAGON	CVG	EA	1
3	18	PAFZZ		SMC877111	80063	ANTENNA ASSEMBLY	CVG	EA	1
3	19	XDFZZ	5935-00-233-6728	17252	70903	CONNECTOR,RECEPTACLE,POWER	CVG	EA	1
3	20	PAFZZ	5305-00-054-5649	MS51957-15	96906	SCREW,PAN HEAD	CVG	EA	1
3	21	PAFZZ	5310-00-782-1349	MS15795-804	96906	WASHER,FLAT	CVG	EA	1
3	22	XDFZZ		SMB877094	80063	WINDOW,COVER	CVG	EA	1
3	23	XDFZZ	5320-00-117-6929	MS20426AD2-4	96906	RIVET,SOLID	CVG	EA	17
3	24	XDFZZ	5310-00-721-5762	NAS620-0	80205	WASHER,FLAT	CVG	EA	17

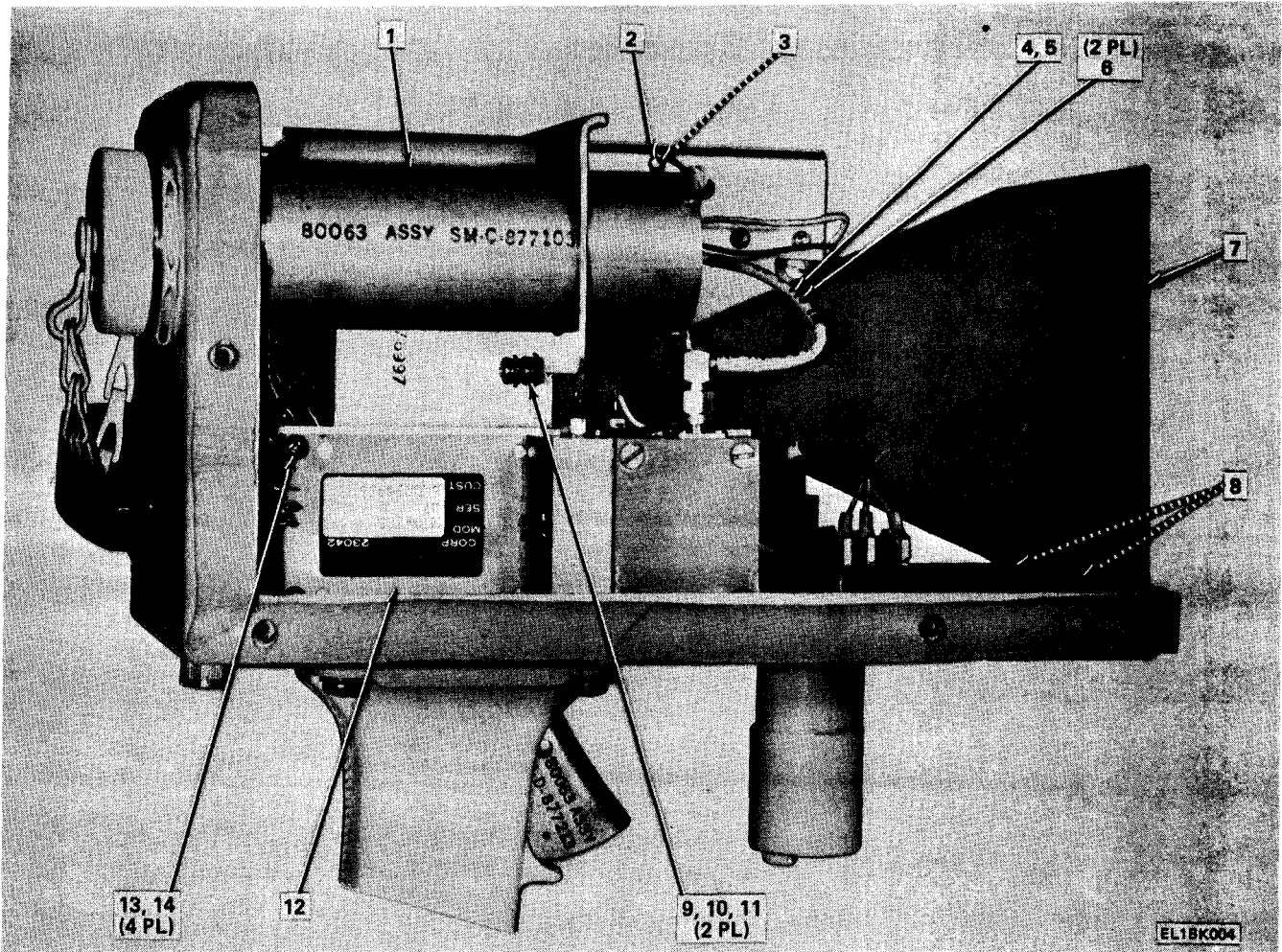


Figure 4. Simulator, Radar Signal SM-736/UPM, Right Side View.

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TM11-6940-211-24P (6)	(7)	(8)
(A) FIG NO.	(B) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
4	1	PAFZZ		SMC877103	80063	TUBE ASSEMBLY, BATTERY	CVG	EA 1
4	2	XDFZZ	5940-00-177-7974	MS77070-1	96906	LUG, TERMINAL	CVG	EA 1
4	3	XDFZZ	5305-00-054-5647	MS51957-13	96906	SCREW, PAN HEAD	CVG	EA 3
4	4	PAFZZ		SMC877096	80063	CABLE ASSEMBLY, W1, HORN	CVG	EA 1
4	5	XDFZZ	6145-00-918-9494	RG316U	81349	CABLE, COAXIAL	CVG	FT V
4	6	XDFZZ	5935-00-325-4479	M39012-56-3026	81349	CONNECTOR, PLUG, ELECTRICAL	CVG	EA 2
4	7	PAFZZ		SMC876998	80063	HORN ASSEMBLY	CVG	EA 1
4	8	XDFZZ	5305-00-969-6495	MS24693C25	96906	SCREW, FLAT HEAD	CVG	EA 2
4	9	XDFZZ		MS51957-28	96906	SCREW, PAN HEAD	CVG	EA 2
4	10	XDFZZ	5310-00-722-5998	MS15795-805	96906	WASHER, FLAT	CVG	EA 2
4	11	XDFZZ	5310-00-929-6395	MS35338-136	96906	WASHER, LOCK	CVG	EA 2
4	12	PAFZZ		FS14RM	26629	OSCILLATOR, RF, 3.0GHZ	CVG	EA 1
4	13	PAFZZ	5305-00-054-5648	MS51957-14	96906	SCREW, PAN HEAD	CVG	EA 4
4	14	PAFZZ	5310-00-057-0573	NAS620C4	80205	WASHER, FLAT	CVG	EA 4

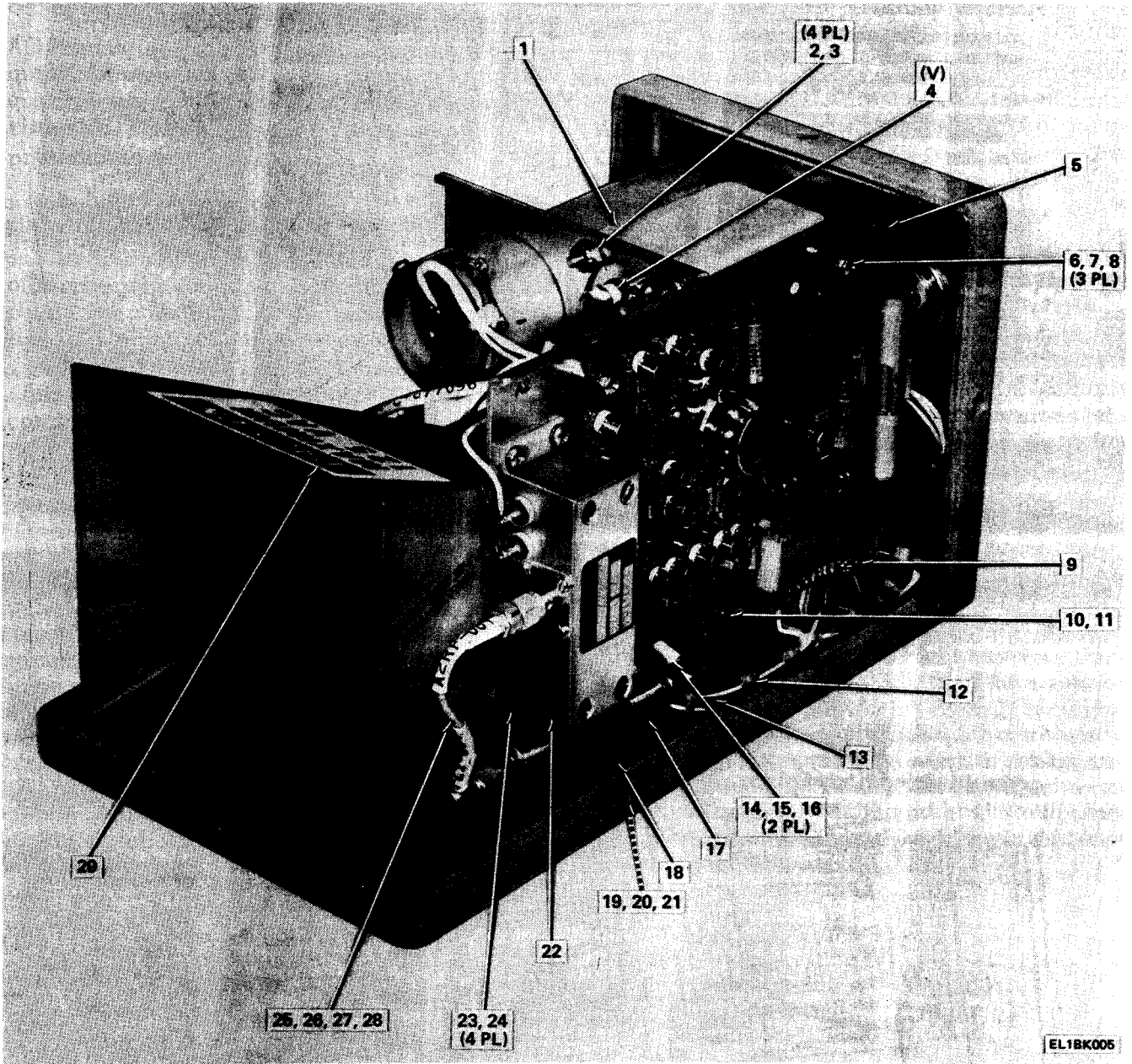


Figure 5. Simulator, Radar Signal SM-736/UPM, Left Side View.

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TM11-6940-211-24P (6)	(7)	(8)
(A) FIG NO.	(B) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	U/M INC IN UNIT
5	1	PAFZZ	5950-00-683-7154	H130	80223	TRANSFORMER, POWER, 115V/6V, 60HZ	CVG	EA 1
5	2	PAFZZ	5310-00-722-5998	MS15795-805	96906	WASHER, FLAT	CVG	EA 4
5	3	PAFZZ	5310-00-982-6813	MS21044C06	96906	NUT, SELF LOCK	CVG	EA 4
5	4	PAFZZ		RT850-1-8	06090	TUBING, HEAT SHRINKABLE	CVG	FT V
5	5	PAFZA		SMD877128	80063	CIRCUIT CARD ASSEMBLY, RADAR SIGNAL SIMULATOR	CVG	EA 1
5	6	PAFZZ	5305-00-054-5649	MS51957-15	96906	SCREW, PAN HEAD	CVG	EA 3
5	7	PAFZZ	5310-00-782-1349	MS15795-804	96906	WASHER, FLAT	CVG	EA 3
5	8	PAFZZ	5310-00-933-8118	MS35338-135	96906	WASHER, LOCK	CVG	EA 3
5	9	PAFZZ		SMC877112	80063	BRACKET, CONNECTOR	CVG	EA 1
5	10	PAFZZ	5305-00-054-5648	MS51957-14	96906	SCREW, PAN HEAD	CVG	EA 1
5	11	PAFZZ	5310-00-782-1349	MS15795-804	96906	WASHER, FLAT	CVG	EA 1
5	12	PAOZZ		MS3367-4	96906	STRAP, TIE DOWN	CVG	EA 4
5	13	PAFZZ		SMD877240	80063	CABLE HARNESS ASSEMBLY	CVG	EA 1
5	14	PAFZZ		SMC877207	80063	CABLE ASSEMBLY, W2, C-BAND	CVG	EA 1
5	15	XDFZZ		RG316U	81349	CABLE, COAXIAL	CVG	FT V
5	16	XDFZZ	5935-00-325-4479	M39012-56-3026	81349	CONNECTOR, PLUG, ELECTRICAL	CVG	EA 2
5	17	PAFZZ		4L120-950-0	50140	FILTER, LOW PASS	CVG	EA 1
5	18	PAFZZ		MS21919DG8	96906	CLAMP, LOOP TYPE	CVG	EA 1
5	19	PAFZZ	5305-00-066-7327	MS24693C28	96906	SCREW, FLAT HEAD	CVG	EA 1
5	20	PAFZZ	5310-00-722-5998	MS15795-805	96906	WASHER, FLAT	CVG	EA 1
5	21	PAFZZ	5310-00-982-6813	MS21044C06	96906	NUT, SELF LOCK	CVG	EA 1
5	22	PAFZZ		FS7RM	26629	OSCILLATOR, RF, 775MHZ	CVG	EA 1
5	23	PAFZZ	5305-00-054-5648	MS51957-14	96906	SCREW, PAN HEAD	CVG	EA 4
5	24	PAFZZ	5310-00-057-0573	NAS620C4	80205	WASHER, FLAT	CVG	EA 4
5	25	PAOZZ		SMB877291	80063	CABLE ASSEMBLY, W3, C-BAND	CVG	EA 1
5	26	XDFZZ		RG316U	81349	CABLE, COAXIAL	CVG	FT V
5	27	XDFZZ		M39012-55-3026	81349	CONNECTOR, PLUG, ELECTRICAL	CVG	EA 1
5	28	XDFZZ	5935-00-325-4479	M39012-56-3026	81349	CONNECTOR, PLUG, ELECTRICAL	CVG	EA 1
5	29	XDOZZ		SMB877184	80063	LABEL, CAUTION	CVG	EA 1

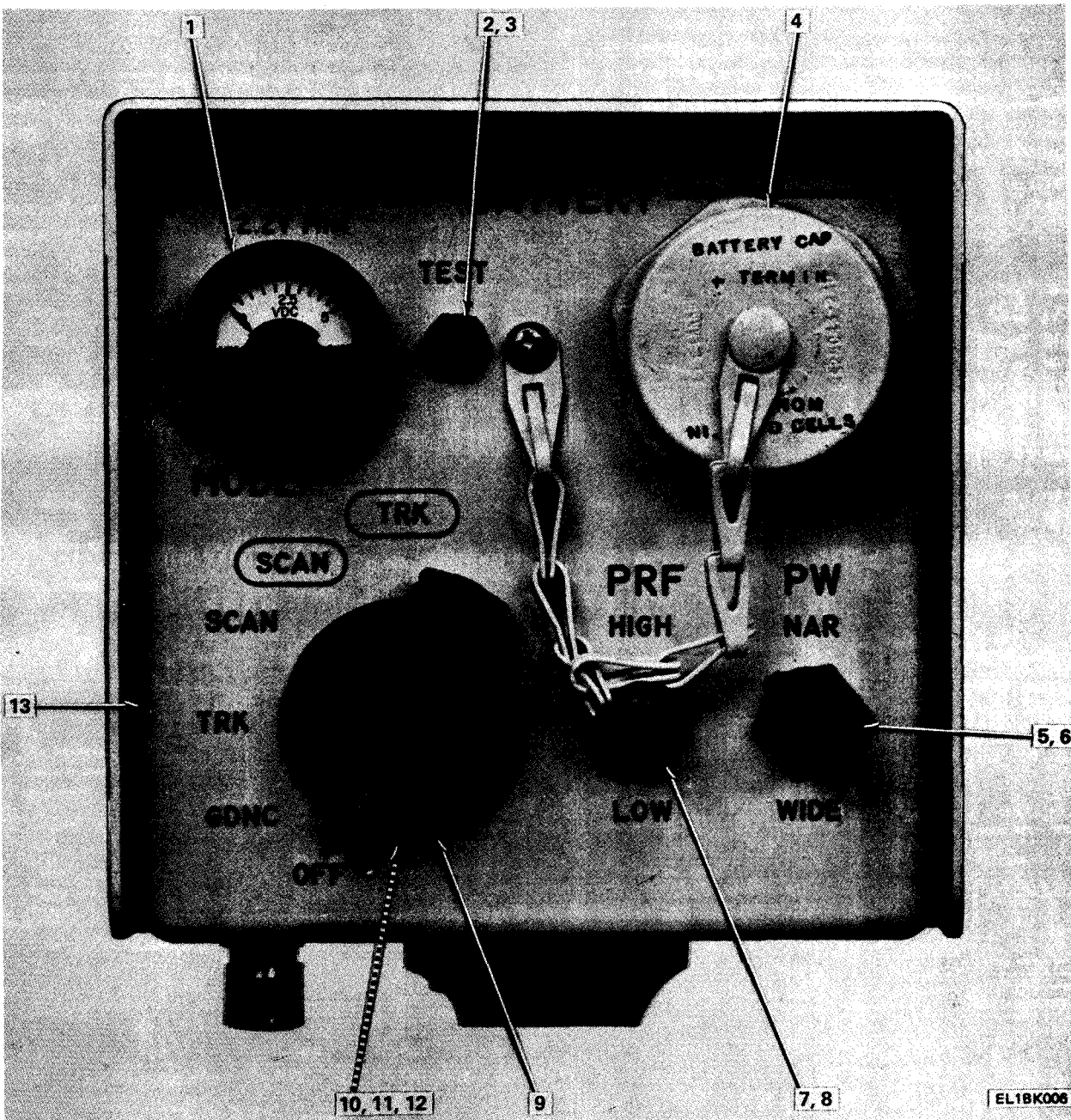


Figure 6. Simulator, Radar Signal SM-736/UPM, Rear View.

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TM11-6940-211-24P (6)	(7)	(8)
(A) FIG NO.	(B) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	U/M INC IN UNIT
6	1	PAFZZ		MR05W005DCVVR	11701	METER,ELECTRICAL INDICATING,DC VOLTMETER	CVG	EA 1
6	2	PAFZZ	5930-00-345-6860	M8805-96-010	81349	SWITCH,PUSHBUTTON	CVG	EA 1
6	3	PAOZZ	5930-00-687-0948	M5423-10-03	81349	BOOT,DUST AND WATERSEAL	CVG	EA 1
6	4	PAOZZ		SMC877109	80063	COVER,BATTERY	CVG	EA 1
6	5	PAFZZ	5930-00-914-6458	MS90310-231	96906	SWITCH,TOGGLE	CVG	EA 1
6	6	PAOZZ	5930-00-689-6786	M5423-01-01	81349	BOOT,DUST AND WATERSEAL	CVG	EA 1
6	7	PAFZZ	5930-00-913-3641	MS90310-221	96906	SWITCH,TOGGLE	CVG	EA 1
6	8	PAOZZ	5930-00-689-6786	M5423-01-01	81349	BOOT,DUST AND WATERSEAL	CVG	EA 1
6	9	PAOZZ	5355-00-985-6888	MS91528-2M2B	96906	KNOB,CONTROL	CVG	EA 1
6	10	PAFZZ		44M30-02-2-06N	81073	SWITCH,ROTARY	CVG	EA 1
6	11	PAOZZ	5930-00-823-0482	M5423-09-02	81349	BOOT,DUST AND WATERSEAL	CVG	EA 1
6	12	PAFZZ		42-24	81073	KIT,PANEL SEAL,SWITCH	CVG	EA 1
6	13	XDFZZ		SMD877295	80063	GASKET SEAL	CVG	RL 1

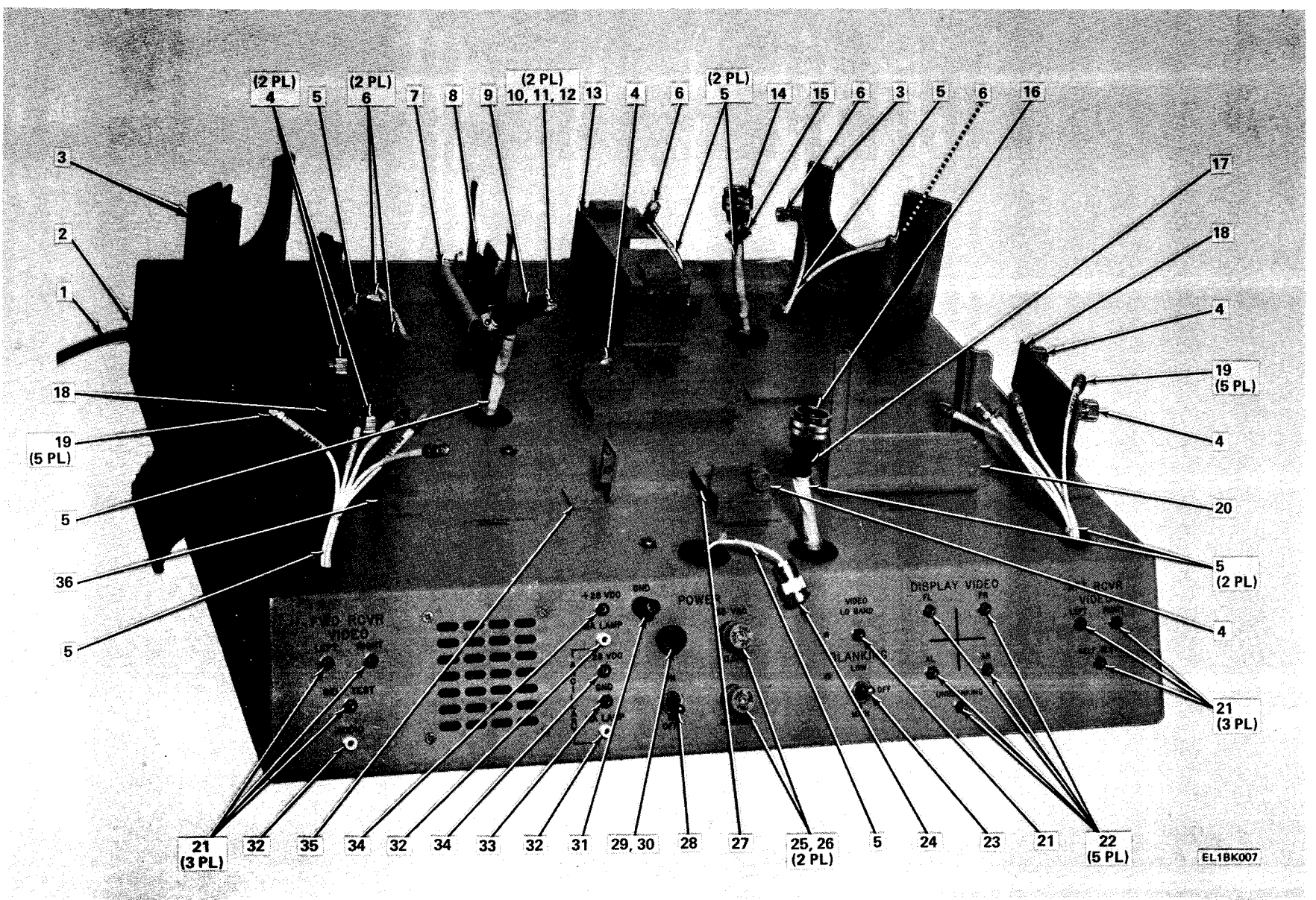
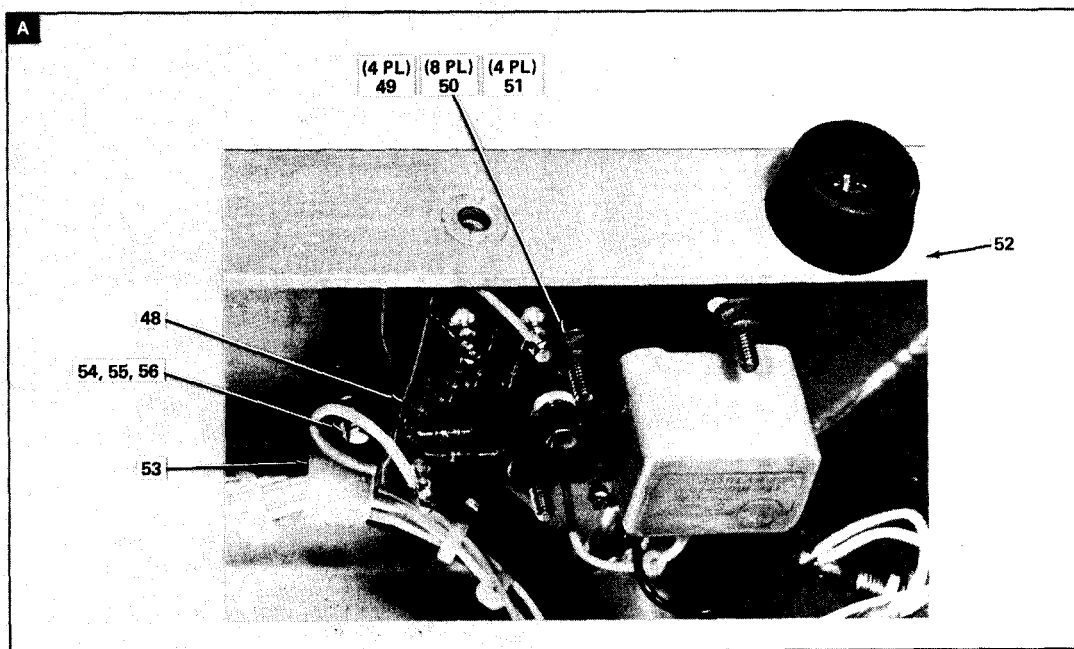
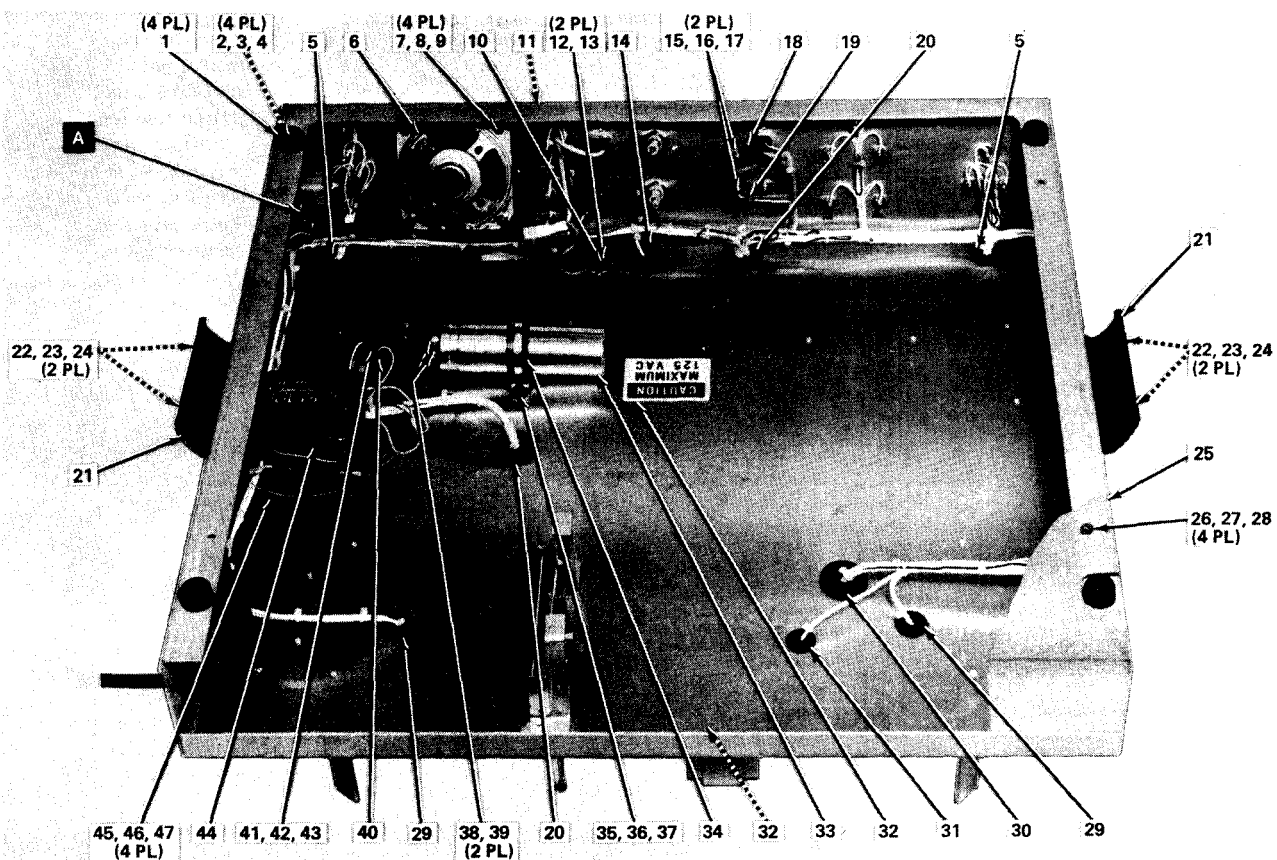


Figure 7. Test Adapter, Radar Set MX-9849/APR-39(V)1, Top View.

SECTION II (1) ILLUSTRATION (A) (B) FIG ITEM NO. NO.		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	TM11-6940-211-24P (6) DESCRIPTION	USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 02 TEST ADAPTER,RADAR SET			
						MX-9848/APR-39(V)1			
7	1	PAFZZ	6150-00-198-7395	17409	70903	CORD,ELECTRICAL,POWER	CVH	EA	1
7	2	XDFZZ		SR6P4	28520	BUSHING,STRAIN RELIEF	CVH	EA	1
7	3	XDFZZ		SMD877150	80063	BRACKET,ANTENNA	CVH	EA	2
7	4	PAFZZ		47-60-501-10	94222	SCREW,RETRACTABLE,CAPTIVE	CVH	EA	2
7	5	XDFZZ		SME877202	80063	CABLE HARNESS ASSEMBLY	CVH	EA	1
7	6	PAFZZ	5935-00-325-4479	M39012-56-3026	81349	CONNECTOR,PLUG,ELECTRICAL	CVH	EA	5
7	7	PAFZZ		SMB877134	80063	EXTRACTOR,PRINTED WIRING BOARD	CVH	EA	1
7	8	PAFZZ		SMD877146	80063	CIRCUIT CARD ASSEMBLY,EXTENDER BOARD	CVH	EA	1
7	9	PAFZZ	5935-00-410-9250	M24308-2-3	81349	CONNECTOR,RECEPTACLE,ELECTRICAL	CVH	EA	1
7	10	XDFZZ	5305-00-054-5638	MS51957-4	96906	SCREW,PAN HEAD	CVH	EA	2
7	11	XDFZZ	5310-00-595-6761	MS15795-802	96906	WASHER,FLAT	CVH	EA	2
7	12	XDFZZ	5310-00-880-7010	MS21042L02	96906	NUT,SELF LOCKING	CVH	EA	2
7	13	XDFZZ		SMC877033	80063	BRACKET,ANTENNA MOUNTING	CVH	EA	1
7	14	PAFZZ		MS27473T10A35S	96906	CONNECTOR,RECEPTACLE,ELECTRICAL	CVH	EA	1
7	15	XDFZZ		MS21045C08	96906	NUT,SELF LOCKINK	CVH	EA	1
7	16	PAFZZ		MS27473T12A35S	96906	CONNECTOR,RECEPTACLE,ELECTRICAL	CVH	EA	1
7	17	XDFZZ	5935-00-163-3651	MS27506B12-2	96906	ADAPTER	CVH	EA	1
7	18	XDFZZ		SMC877154	80063	BRACKET,RECEIVER MOUNTING	CVH	EA	2
7	19	PAFZZ		M39012-55-3026	81349	CONNECTOR,PLUG,ELECTRICAL	CVH	EA	10
7	20	XDFZZ		SMC877261	80063	BRACKET,INDICATOR	CVH	EA	1
7	21	PAFZZ	5935-00-733-6587	M39024-10-05	81349	CONNECTOR,ELECTRICAL TEST POINT,GREEN	CVH	EA	7
7	22	PAFZZ	5935-00-776-4617	M39024-10-07	81349	CONNECTOR,ELECTRICAL TEST POINT,BLUE	CVH	EA	5
7	23	PAFZZ	5930-00-931-0516	MS90310-271	96906	SWITCH,TOGGLE	CVH	EA	1
7	24	PAFZZ		M39012-26-0018	81349	CONNECTOR,PLUG,ELECTRICAL	CVH	EA	1
7	25	PAOZZ	5920-00-280-5038	F03B250V1-2AS	81349	FUSE,INSTRUMENT,POWER	CVH	EA	2
7	26	PAFZZ	5920-00-892-9311	FHN26G1	81349	FUSEHOLDER	CVH	EA	2
7	27	XDFZZ		SMC877155-1	80063	BRACKET,MOUNTING	CVH	EA	1
7	28	PAFZZ	5930-00-946-6917	MS90311-221	96906	SWITCH,TOGGLE	CVH	EA	1
7	29	PAFZZ	6210-00-553-1076	MS25041-7	96906	LIGHT,INDICATOR	CVH	EA	1
7	30	PAOZZ	6240-00-155-7836	MS25237-327	96906	LAMP,INCANDESCENT	CVH	EA	1
7	31	PAFZZ	5940-00-738-6269	DF21BC	58474	POST,BINDING,ELECTRICAL	CVH	EA	1
7	32	PAFZZ	5935-00-728-4514	M39024-10-01	81349	CONNECTOR,ELECTRICAL,TEST POINT,WHITE	CVH	EA	3
7	33	PAFZZ	5935-00-762-0312	M39024-10-03	81349	CONNECTOR,ELECTRICAL,TEST POINT,BLACK	CVH	EA	1
7	34	PAFZZ	5935-00-702-4199	M39024-10-02	81349	CONNECTOR,ELECTRICAL,TEST POINT,RED	CVH	EA	2
7	35	XDFZZ		SMC877153-1	80063	BRACKET,MOUNTING	CVH	EA	1
7	36	XDFZZ		SMC877153-2	80063	BRACKET,MOUNTING	CVH	EA	1



EL1BK008

Figure 8. Test Adapter, Radar Set MX-9849/APR-39(V1, Bottom View.

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TM11-6940-211-24P (6)	(7)	(8)
(A) FIG NO.	(B) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
8	1	XDFZZ		REC2084S	24324	BUMPER, RECESSED	CVH	EA 4
8	2	XDFZZ	5305-00-054-6671	MS51957-46	96906	SCREW, PAN HEAD	CVH	EA 1
8	3	XDFZZ	5310-00-880-5978	MS15795-807	96906	WASHER, FLAT	CVH	EA 1
8	4	XDFZZ		MS21045C08	96906	NUT, SELF LOCKING	CVH	EA 1
8	5	XDFZZ	5325-00-582-3601	MS35489-38	96906	GROMMET	CVH	EA 2
8	6	PAFZZ		T4779	07109	LOUDSPEAKER	CVH	EA 1
8	7	PAFZZ	5305-00-066-7328	MS24693C27	96906	SCREW, FLAT HEAD	CVH	EA 4
8	8	PAFZZ	5310-00-722-5998	MS15795-805	96906	WASHER, FLAT	CVH	EA 4
8	9	PAFZZ	5310-00-982-5003	MS21045C06	96906	NUT, SELF LOCKING	CVH	EA 4
8	10	XDFZZ	5940-00-918-8068	SE26XF02	81349	TERMINAL, CIRCULAR	CVH	EA 1
8	11	XDFZZ	5305-00-059-3661	MS51958-65	96906	SCREW, PAN HEAD	CVH	EA 1
8	12	XDFZZ		MS15795-808	96906	WASHER, FLAT	CVH	EA 2
8	13	XDFZZ		MS21045C03	96906	NUT, SELF LOCKING	CVH	EA 1
8	14	XDFZZ		MS35489-32	96906	GROMMET	CVH	EA 1
8	15	XDFZZ	5940-00-082-5054	SE205D01	81349	TERMINAL, STUD	CVH	EA 1
8	16	XDFZZ	5305-00-763-6009	MS24693C1	96906	SCREW, FLAT HEAD	CVH	EA 1
8	17	XDFZZ	5310-00-933-8118	MS35338-135	96906	WASHER, LOCK	CVH	EA 1
8	18	PAFZZ	5905-00-141-0595	RCR20G472JS	81349	RESISTOR, FIXED, COMPOSITION	CVH	EA 1
8	19	PAFZZ		M39014-02-1206	81349	CAPACITOR, FIXED, CERAMIC	CVH	EA 1
8	20	XDFZZ	5325-00-185-0002	MS35489-41	96906	GROMMET	CVH	EA 2
8	21	XDFZZ		415-1219-01-14	71279	HANDLE, PULL	CVH	EA 2
8	22	XDFZZ	5305-00-071-1315	MS51957-79	96906	SCREW, PAN HEAD	CVH	EA 2
8	23	XDFZZ	5310-00-582-5677	MS15795-810	96906	WASHER, FLAT	CVH	EA 2
8	24	XDFZZ	5310-00-933-8121	MS35338-139	96906	WASHER, LOCK	CVH	EA 2
8	25	XDFZZ		SMC877145	80063	COVER	CVH	EA 1
8	26	XDFZZ	5305-00-054-6671	MS51957-46	96906	SCREW, PAN HEAD	CVH	EA 4
8	27	XDFZZ	5310-00-880-5978	MS15795-807	96906	WASHER, FLAT	CVH	EA 4
8	28	XDFZZ	5310-00-933-8119	MS35338-137	96906	WASHER, LOCK	CVH	EA 4
8	29	XDFZZ	5325-00-174-9322	MS35489-34	96906	GROMMET	CVH	EA 1
8	30	XDFZZ		MS35489-37	96906	GROMMET	CVH	EA 1
8	31	XDFZZ		MS35489-31	96906	GROMMET	CVH	EA 1
8	32	XDFZZ		SMB877184	80063	LABEL, CAUTION	CVH	EA 2
8	33	PAFZZ		M39018-04-0062	81349	CAPACITOR, FIXED, ELECTROLYTIC	CVH	EA 1
8	34	XDFZZ		MS21919H22	96906	CLAMP, CUSHIONED	CVH	EA 1
8	35	XDFZZ	5305-00-059-3659	MS51958-63	96906	SCREW, PAN HEAD	CVH	EA 1
8	36	XDFZZ		MS15795-808	96906	WASHER, FLAT	CVH	EA 1
8	37	XDFZZ		MS21045C03	96906	NUT, SELF LOCKING	CVH	EA 1
8	38	XDFZZ	5305-00-059-3656	MS51958-60	96906	SCREW, PAN HEAD	CVH	EA 2
8	39	XDFZZ	5310-00-209-1239	MS35335-60	96906	WASHER, LOCK	CVH	EA 2
8	40	PAFZZ		684-5	12969	RECTIFIER, FULL WAVE	CVH	EA 1

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TM11-6940-211-24P (6)	(7)	(8)
(A) FIG NO.	(B) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
8	41	PAFZZ	5305-00-054-6655	MS51957-18	96906	SCREW,PAN HEAD	CVH EA	1
8	42	PAFZZ	5310-00-782-1349	MS15795-804	96906	WASHER,FLAT	CVH EA	2
8	43	PAFZZ	5310-00-982-5000	MS21045C04	96906	NUT,SELF LOCKING	CVH EA	1
8	44	PAFZZ		61692	96256	TRANSFORMER,LOW VOLTAGE	CVH EA	1
8	45	PAFZZ	5305-00-059-3659	MS51958-63	96906	SCREW,PAN HEAD	CVH EA	1
8	46	PAFZZ		MS15795-808	96906	WASHER,FLAT	CVH EA	4
8	47	PAFZZ		MS21045C03	96906	NUT,SELF LOCKING	CVH EA	4
8	48	PAFZA		SMC877263	80063	CIRCUIT CARD ASSEMBLY,AMPLIFIER	CVH EA	1
8	49	PAFZZ	5305-00-054-5656	MS51957-22	96906	SCREW,PAN HEAD	CVH EA	4
8	50	PAFZZ	5310-00-782-1349	MS15795-804	96906	WASHER,FLAT	CVH EA	8
8	51	PAFZZ	5310-00-982-5000	MS21045C04	96906	NUT,SELF LOCKING	CVH EA	4
8	52	XDFZZ		SMD877050	80063	CHASSIS,RIVETING	CVH EA	1
8	53	XDFZZ		NAS1397K8N	80205	CLAMP,LOOP,1/2	CVH EA	1
8	54	XDFZZ	5305-00-054-6671	MS51957-46	96906	SCREW,PAN HEAD	CVH EA	1
8	55	XDFZZ	5310-00-880-5978	MS15795-807	96906	WASHER,FLAT	CVH EA	2
8	56	XDFZZ		MS21045C08	96906	NUT,LOCKING	CVH EA	1

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

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.
5305-00-054-5638	7	10	5930-00-687-0948	6	3
5305-00-054-5647	4	3	5930-00-689-6786	6	6
5305-00-054-5648	4	13	5930-00-689-6786	6	8
5305-00-054-5648	5	10	5935-00-702-4199	7	34
5305-00-054-5648	5	23	5310-00-721-5762	3	24
5305-00-054-5649	3	12	5310-00-722-5998	4	10
5305-00-054-5649	3	20	5310-00-722-5998	5	2
5305-00-054-5649	5	6	5310-00-722-5998	5	20
5305-00-054-5656	8	49	5310-00-722-5998	8	8
5305-00-054-6655	8	41	5935-00-728-4514	7	32
5305-00-054-6671	8	2	5935-00-733-6587	7	21
5305-00-054-6671	8	26	5940-00-738-6269	7	31
5305-00-054-6671	8	54	5935-00-762-0312	7	33
5305-00-054-6682	3	15	5305-00-763-6009	8	16
5310-00-057-0573	4	14	5935-00-776-4617	7	22
5310-00-057-0573	5	24	5310-00-782-1349	3	13
5305-00-059-3656	8	38	5310-00-782-1349	3	21
5305-00-059-3659	8	35	5310-00-782-1349	5	7
5305-00-059-3659	8	45	5310-00-782-1349	5	11
5305-00-059-3661	3	8	5310-00-782-1349	8	42
5305-00-059-3661	8	11	5310-00-782-1349	8	50
5305-00-066-7327	5	19	5930-00-823-0482	6	11
5305-00-066-7328	8	7	5310-00-880-5978	8	3
5305-00-071-1315	8	22	5310-00-880-5978	8	27
5940-00-082-5054	8	15	5310-00-880-5978	8	55
5320-00-117-6929	3	23	5310-00-880-7010	7	12
5905-00-141-0595	8	18	5920-00-892-9311	7	26
6240-00-155-7836	7	30	5920-00-902-6827	3	6
5935-00-163-3651	7	17	5930-00-913-3641	6	7
5325-00-174-9322	8	29	5930-00-914-6458	6	5
5940-00-177-7974	4	2	5940-00-918-8068	8	10
5325-00-185-0002	8	20	6145-00-918-9494	4	5
6150-00-198-7395	7	1	5310-00-929-6395	4	11
5310-00-209-1239	8	39	5930-00-931-0516	7	23
5935-00-233-6728	3	19	5310-00-933-8118	5	8
5920-00-280-5038	7	25	5310-00-933-8118	8	17
5935-00-325-4479	4	6	5310-00-933-8119	8	28
5935-00-325-4479	5	16	5310-00-933-8121	8	24
5935-00-325-4479	5	28	5310-00-934-9759	3	17
5935-00-325-4479	7	6	5930-00-946-6917	7	28
5930-00-345-6860	6	2	5305-00-969-4356	3	2
5935-00-410-9250	7	9	5305-00-969-6495	4	8
6210-00-553-1076	7	29	5310-00-982-5000	8	43
5325-00-582-3601	8	5	5310-00-982-5000	8	51
5310-00-582-5677	8	23	5310-00-982-5003	8	9
5310-00-595-6761	7	11	5310-00-982-6813	5	21
5310-00-614-3552	3	16	5355-00-985-6888	6	9
5950-00-683-7154	5	1			

PART NUMBER	FSCM	FIG NO	ITEM NO	PART NUMBER	FSCM	FIG NO	ITEM NO
CH4	12924	2	4	MS15795-808	96906	8	36
DF21BC	58474	7	31	MS15795-808	96906	8	46
D100386	23481	2	1	MS15795-810	96906	8	23
FHN26G1	81349	7	26	MS20426AD2-4	96906	3	23
FM02-125V1-4A	81349	2	7	MS21042L02	96906	7	12
FM02-125V1-4A	81349	3	5	MS21044C06	96906	5	21
FS14RM	26629	4	12	MS21045C03	96906	8	13
FS7RM	26629	5	22	MS21045C03	96906	8	37
F03B250V1-2AS	81349	7	25	MS21045C03	96906	8	47
H130	80223	5	1	MS21045C04	96906	8	43
MR05W005DCVVR	11701	6	1	MS21045C04	96906	8	51
MS15795-802	96906	7	11	MS21045C06	96906	8	9
MS15795-804	96906	3	13	MS21045C08	96906	7	15
MS15795-804	96906	3	21	MS21045C08	96906	8	4
MS15795-804	96906	5	7	MS21045C08	96906	8	56
MS15795-804	96906	5	11	MS21919DG8	96906	5	18
MS15795-804	96906	8	42	MS21919H22	96906	8	34
MS15795-804	96906	8	50	MS24693C1	96906	8	16
MS15795-805	96906	4	10	MS24693C25	96906	4	8
MS15795-805	96906	5	2	MS24693C27	96906	8	7
MS15795-805	96906	5	20	MS24693C28	96906	5	19
MS15795-805	96906	8	8	MS25041-7	96906	7	29
MS15795-807	96906	8	3	MS25237-327	96906	7	30
MS15795-807	96906	8	27	MS27473T10A35S	96906	7	14
MS15795-807	96906	8	55	MS27473T12A35S	96906	7	16
MS15795-808	96906	3	9	MS27506B12-2	96906	7	17
MS15795-808	96906	8	12	MS3212-14	96906	3	2

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
MS3367-4	96906	5	12	M8805-96-010	81349	6	2
MS35335-59	96906	3	16	NAS1397K8N	80205	8	53
MS35335-60	96906	8	39	NAS620-0	80205	3	24
MS35338-135	96906	5	8	NAS620C4	80205	4	14
MS35338-135	96906	8	17	NAS620C4	80205	5	24
MS35338-136	96906	4	11	RCR20G472JS	81349	8	18
MS35338-137	96906	8	28	REC2084S	24324	8	1
MS35338-139	96906	8	24	RG316U	81349	4	5
MS35489-31	96906	3	14	RG316U	81349	5	15
MS35489-31	96906	8	31	RG316U	81349	5	26
MS35489-32	96906	8	14	RT850-1-8	6090	5	4
MS35489-34	96906	8	29	SE205D01	81349	8	15
MS35489-37	96906	8	30	SE26XF02	81349	8	10
MS35489-38	96906	8	5	SJ5025WHITE	76381	3	4
MS35489-41	96906	8	20	SMB877094	80063	3	22
MS35649-284	96906	3	17	SMB877134	80063	7	7
MS51957-13	96906	4	3	SMB877184	80063	5	29
MS51957-14	96906	4	13	SMB877184	80063	8	32
MS51957-14	96906	5	10	SMB877290	80063	3	10
MS51957-14	96906	5	23	SMB877291	80063	5	25
MS51957-15	96906	3	12	SMC876998	80063	4	7
MS51957-15	96906	3	20	SMC877033	80063	7	13
MS51957-15	96906	5	6	SMC877096	80063	4	4
MS51957-18	96906	8	41	SMC877103	80063	4	1
MS51957-22	96906	8	49	SMC877109	80063	6	4
MS51957-28	96906	4	9	SMC877111	80063	3	18
MS51957-4	96906	7	10	SMC877112	80063	5	9
MS51957-46	96906	8	2	SMC877145	80063	8	25
MS51957-46	96906	8	26	SMC877153-1	80063	7	35
MS51957-46	96906	8	54	SMC877153-2	80063	7	36
MS51957-55	96906	3	15	SMC877154	80063	7	18
MS51957-79	96906	8	22	SMC877155-1	80063	7	27
MS51958-60	96906	8	38	SMC877203	80063	3	7
MS51958-63	96906	8	35	SMC877207	80063	5	14
MS51958-63	96906	8	45	SMC877261	80063	7	20
MS51958-65	96906	3	8	SMC877263	80063	8	48
MS51958-65	96906	8	11	SMD877050	80063	8	52
MS77070-1	96906	4	2	SMD877123	80063	2	2
MS90310-221	96906	6	7	SMD877127	80063	3	1
MS90310-231	96906	6	5	SMD877128	80063	5	5
MS90310-271	96906	7	23	SMD877144-3	80063	2	3
MS90311-221	96906	7	28	SMD877144-4	80063	2	5
MS91528-2M2B	96906	6	9	SMD877146	80063	7	8
M24308-2-3	81349	7	9	SMD877150	80063	7	3
M39012-26-0018	81349	7	24	SMD877213	80063	3	11
M39012-55-3026	81349	5	27	SMD877240	80063	5	13
M39012-55-3026	81349	7	19	SMD877295	80063	6	13
M39012-56-3026	81349	4	6	SME877202	80063	7	5
M39012-56-3026	81349	5	16	SR6P4	28520	7	2
M39012-56-3026	81349	5	28	T4779	7109	8	6
M39012-56-3026	81349	7	6	17250	70903	2	6
M39014-02-1206	81349	8	19	17252	70903	3	19
M39018-04-0062	81349	8	33	17409	70903	7	1
M39024-10-01	81349	7	32	282002	75915	3	6
M39024-10-02	81349	7	34	4L120-950-0	50140	5	17
M39024-10-03	81349	7	33	415-1219-01-14	71279	8	21
M39024-10-05	81349	7	21	42-24	81073	6	12
M39024-10-07	81349	7	22	44M30-02-2-06N	81073	6	10
M5423-01-01	81349	6	6	47-60-501-10	94222	7	4
M5423-01-01	81349	6	8	61692	96256	8	44
M5423-09-02	81349	6	11	684-5	12969	8	40
M5423-10-03	81349	6	3				

LATEST NATIONAL STOCK NUMBER	NUMBER ASSIGNMENTS	FIGURE NO.	ITEM NO.
5310-00-982-6813	3	3	
5310-00-982-6813	5	3	
5841-01-025-0379	1	2	
6940-01-031-5880	2	1	
6940-01-031-5886	2	2	
6940-01-031-5887	1	1	

LATEST PART NUMBER ASSIGNMENTS	FIGURE NO.	ITEM NO.
MS21044C06	3	3
MS21044C06	5	3
SMC877251	1	1
SMD877147	1	2

By Order of the Secretary of the Army:

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

Official:

PAUL T. SMITH
Major General, United States Army
The Adjutant General

DISTRIBUTION:

Active Army:

USASA (2)
 COE (1)
 TSG (1)
 USAARENBD (1)
 DARCOM (1)
 TRADOC (1)
 OS Maj Cmd (4)
 TECOM (2)
 USACC (4)
 MDW (1)
 Armies (2)
 corps (2)
 HISA (Ft Monmouth) (33)
 Svc Colleges (1)
 USASIGS (5)
 USAADS (2)
 USAFAS (2)
 USAARMS (2)

USAIS (2)
 USAES (2)
 USAICS (3)
 MAAG (1)
 USARMIS (1)
 Instls (2) except
 Ft Gordon (10)
 Ft Huachuca (10)
 Ft Richardson (ECOM Oft) (2)
 Ft Carson (5)
 LBAD (14)
 SAAD (30)
 TOAD (14)
 SHAD (3)
 Ft Gillem (10)
 Sig FLDMS (1)
 USAERDAA (1)
 USAERDAW (1)

NG: None

USAR: None

For explanation of abbreviations used, see AR 310-50.

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL MANUALS



SOMETHING WRONG WITH THIS MANUAL?

THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM, TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

FROM: (YOUR UNIT'S COMPLETE ADDRESS)

Commander
Stateside Army Depot
ATTN: AMSTA-US
Stateside, N.J. 07703

DATE 10 July 1975

PUBLICATION NUMBER

TM 11-5840-340-12

DATE

23 Jan 74

TITLE

Radar Set AN/PSC-76

BE EXACT... PIN-POINT WHERE IT IS

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.
2-25	2-28		
3-10	3-3		3-1
5-6	5-8		
		F03	

Recommend that the installation antenna alignment procedure be changed throughout to specify a 2° IFF antenna lag rather than 1°.

REASON: Experience has shown that with only a 1° 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 2° without degradation of operation.

Item 5, Function column. Change "2 db" to "3db."

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.

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

REASON: To replace the cover plate.

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.

TEAR ALONG DOTTED LINE

TYPED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SSG I. M. DeSpirito 999-1776

SIGN HERE:

SSG I. M. DeSpirito

DA FORM 2028-2 (TEST) 1 AUG 74

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR MANUAL "FIND" MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

HISA 1686-75

FILL IN YOUR
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY
DOD-314



Commander
US Army Electronics Command
ATTN: DRSEL-MA-Q
Fort Monmouth, New Jersey 07703

TEAR ALONG DOTTED LINE

FOLD BACK

REVERSE OF DA FORM 2028-2 (TEST)

THE METRIC SYSTEM AND EQUIVALENTS

WEIGHT MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
 1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
 1 Kilometer = 1000 Meters = 0.621 Miles

WEIGHTS

1 Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
 1 Kilogram = 1000 Grams = 2.2 lb.
 1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
 1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

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 = 1000 Cu. Millimeters = 0.06 Cu. Inches
 1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

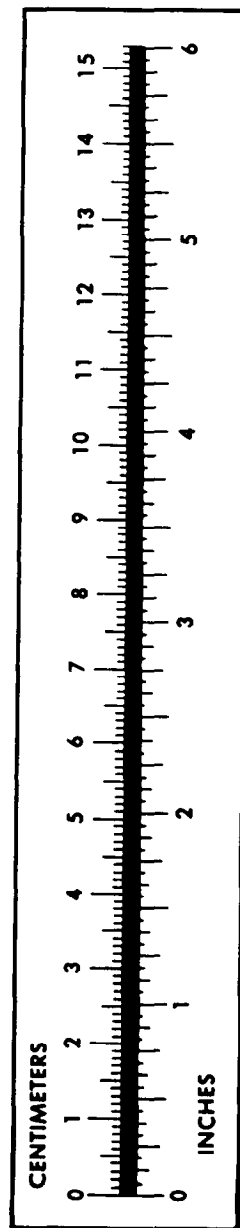
TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 212° Fahrenheit is equivalent to 100° Celsius
 90° Fahrenheit is equivalent to 32.2° Celsius
 32° Fahrenheit is equivalent to 0° Celsius
 $9/5^{\circ}\text{C} + 32 = ^{\circ}\text{F}$

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
its	Liters	0.473
arts	Liters	0.946
allons	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
ers	Gallons	0.264
ms	Ounces	0.035
ograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
ometers per Liter	Miles per Gallon	2.354
ometers per Hour	Miles per Hour	0.621



PIN: 014998-000