

TECHNICAL MANUAL

ORGANIZATIONAL, DIRECT SUPPORT,
AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS)

FOR

VOLTMETER,

ELECTRONIC

AN/URM-145

(NSN 6625-00-973-3986)

HEADQUARTERS, DEPARTMENT OF THE ARMY

12 MAY 1977

TECHNICAL MANUAL
No. 11-6625-524-24P-1 }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 12 May 1977

ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE

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(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)

F O R

VOLTMETER, ELECTRONIC AN/URM-145

(NSN 6625-00-973-3986)

Current as of 1 February 1977

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*This manual supercedes TM 11-6625-524-24P-1, 27 December 1974.

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 AN/URM-145. 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 alphabetic 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:

Code *Definition*

PA — Item procured and stocked for anticipated or known usage.

| <i>Code</i> | <i>Definition</i> |
|-------------|----------------------------------------------------------------------------------------------------------|
| 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. |

(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> |
|-------------|-----------------------------------------------------------------------------------------------------------|
| H | The lowest maintenance level capable of complete repair of the support item is the general support 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 |

*Recoverability
codes*

Definition

- reparable, 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.

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

d. *Part Number.* Indicate 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.

4. Special Information

The following publication pertains to the AN/URM-145 and its components:

TM 11-6625-524-15-1, Electronic Voltmeter
AN/URM-145

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.

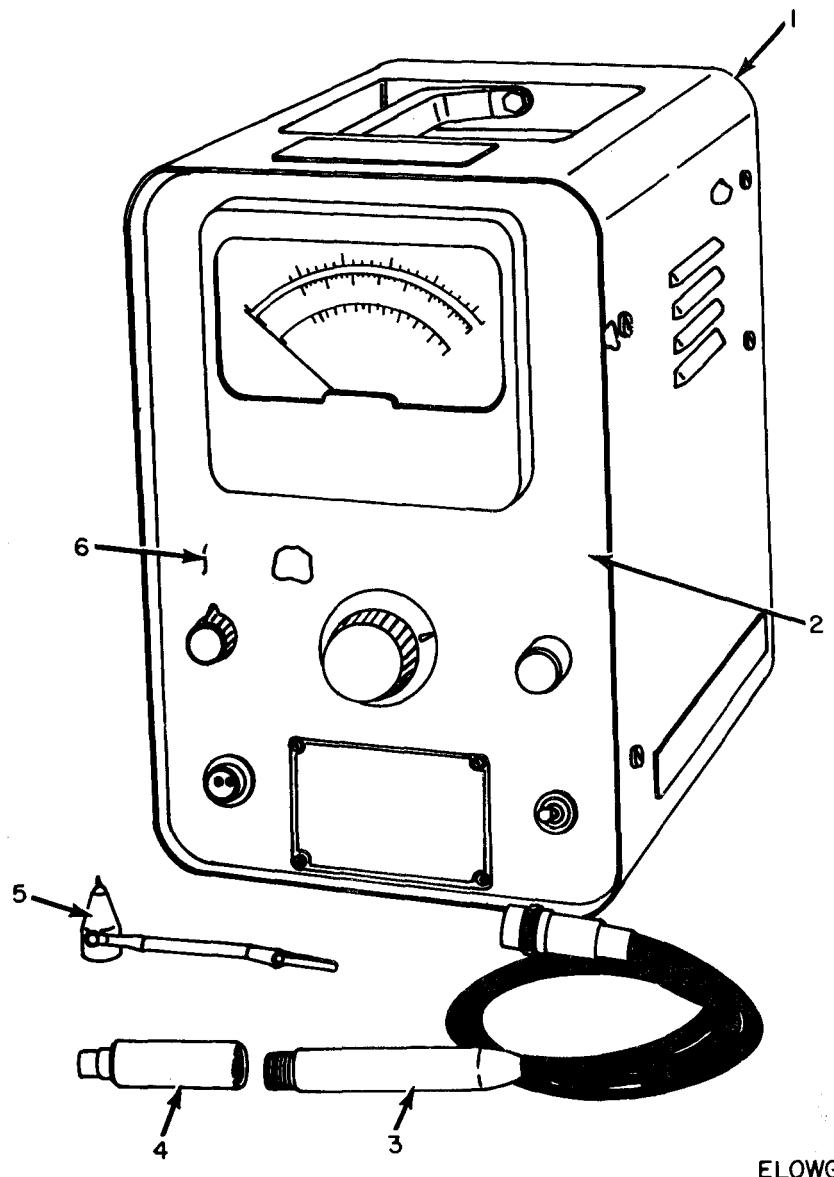
(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphabetic sequence, cross-referenced to the illustration figure number and item number.

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

6. Abbreviations

Not applicable.

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Figure 1. Voltmeter, Electronic AN/URM-145.

| (1) ILLUSTRATION | (2) | (3) | (4) | (5) | (6) DESCRIPTION | (7) | (8) |
|-------------------------------------------|--------------------|-------------|-----------------------------|--------------------------|----------------------------------------------------------------------------------|----------------|---------------------------------|
| (a) PNB NO. | (b) ITEM NO. | SMR CODE | NATIONAL STOCK NUMBER | PART NUMBER | FSCM | USABLE ON CODE | QTY INC IN U/M UNIT |
| GROUP 00 VOLTMETER, ELECTRONIC AN/URM-145 | | | | | | | |
| 1 | 1 | XDHHH | 091315 | 04901 | CASE ASSEMBLY, VOLTMETER | EA | 1 |
| 1 | 2 | KDHHH | 091302 | 04901 | PANEL ASSEMBLY | EA | 1 |
| 1 | 3 | PAOHH | 6625-00-973-2297 | MX4527/U | 80058 LEAD, TEST | EA | 1 |
| 1 | 4 | PAOZZ | 6625-00-973-2296 | MX4528U | 80058 PROBE SUBASSEMBLY | EA | 1 |
| 1 | 5 | PAOHH | 6625-00-072-8637 | MX4529/U | 80058 PROBE SUBASSEMBLY | EA | 1 |
| 1 | 6 | PAHHH | 6625-00-817-8908 | ME-247A/U OR ME-247/U | 80058 VOLTMETER, ELECTRONIC ME-247A/U OR 80058 VOLTMETER, ELECTRONIC ME-247/U | EA | 1 |
| 1 | 6 | KDHHH | | | | EA | 1 |

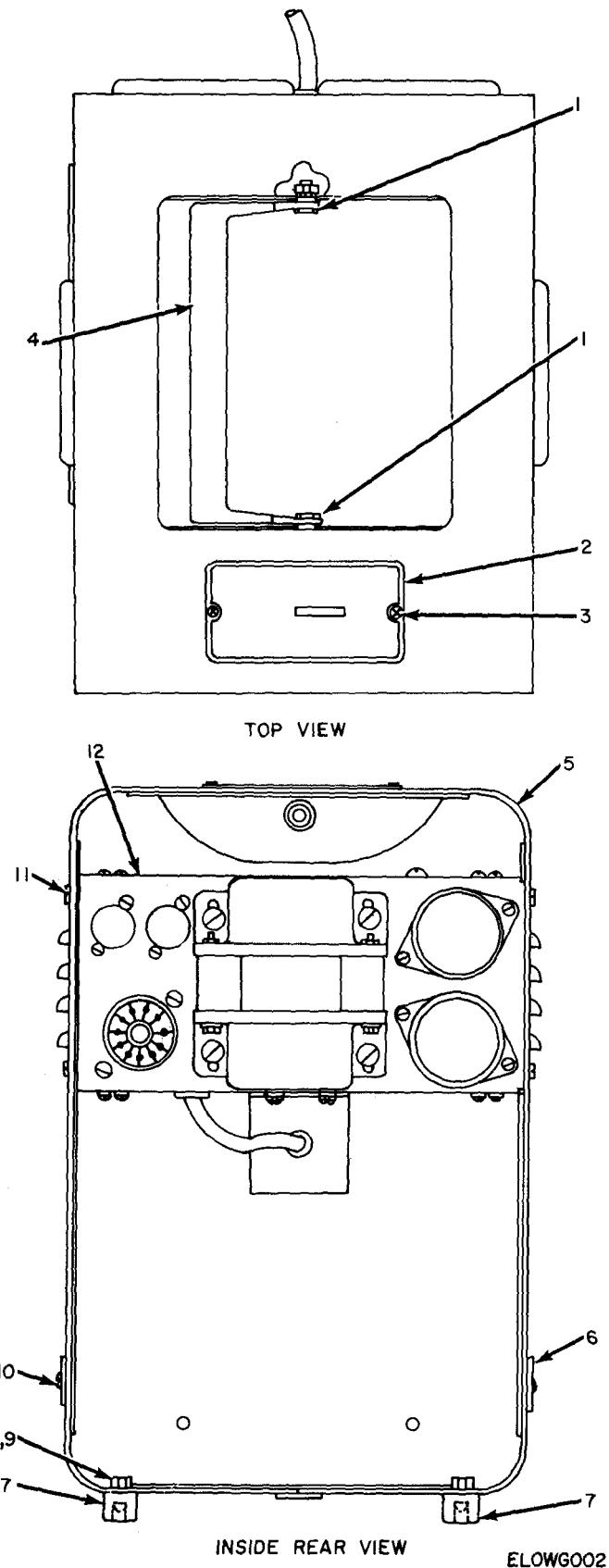
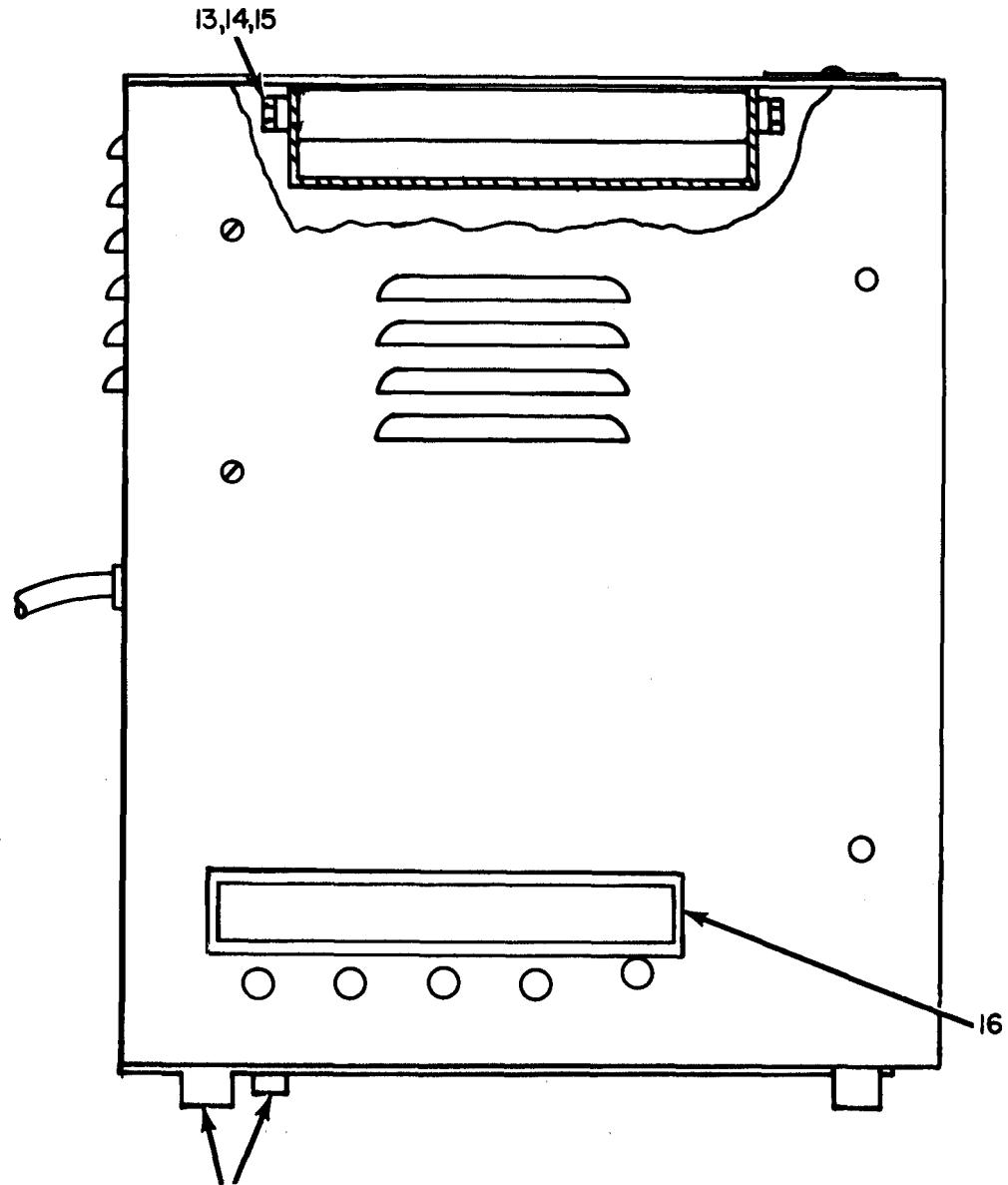


Figure 2. Voltmeter, Electronic ME-247/U or ME-247A/U, Case Assembly (Sheet 1 of 2).



RIGHT SIDE VIEW

ELOWG003

Figure 2. Voltmeter, Electronic ME-247/U or ME-247A/U, Case Assembly (Sheet 2 of 2).

| SECTION II ILLUSTRATION | | (2) | (3) | (4) | (5) | (6) | DESCRIPTION | (7) | (8) |
|--------------------------------------------------------|--------------------|-------------|-----------------------------|------------------|-------|------------------------------|----------------|------------------|------|
| (A) FIG NO. | (B) ITEM NO. | SMR CODE | NATIONAL STOCK NUMBER | PART NUMBER | FSCM | | USABLE ON CODE | QTY INC IN | UNIT |
| GROUP 01 VOLTMETER,ELECTRONIC ME-247/U OR ME-247A/U | | | | | | | | | |
| 2 | 1 | XDHZZ | | 750181 | 04901 | STUD,SELF-LOCKING | | EA | 2 |
| 2 | 2 | XDHZZ | | 780133 | 04901 | PLATE, IDENTIFICATION | | EA | 1 |
| 2 | 3 | XDHZZ | | 793143 | 04901 | SCREW,TAPPING,THREAD FORMING | | EA | 6 |
| 2 | 4 | XDHZZ | | 796111 | 04901 | HANDLE,LUGGAGE | | EA | 1 |
| 2 | 5 | XDHZZ | | 600220 | 04901 | CASE,VOLTMETER | | EA | 1 |
| 2 | 6 | XDHZZ | | 780126 | 04901 | PLATE, IDENTIFICATION | | EA | 1 |
| 2 | 7 | PAHZZ | 5340-00-062-6115 | 1334 | 70485 | BUMPER,RUBBER | | EA | 4 |
| 2 | 8 | XDHZZ | | SCRBHBR6-32X9-16 | 04901 | SCREW,MACHINE | | EA | 2 |
| 2 | 9 | XDHZZ | | 745174 | 04901 | NUT,PLAIN,HEXAGON | | EA | 4 |
| 2 | 10 | XDHZZ | | SCRBHBR6-32X1-2 | 04901 | SCREW,MACHINE | | EA | 2 |
| 2 | 11 | XDHZZ | | SCRBHST6-32X3-8 | 04901 | SCREW,MACHINE | | EA | 4 |
| 2 | 12 | XDHHHD | | 091316 | 04901 | POWER SUPPLY ASSEMBLY | | EA | 4 |
| 2 | 13 | XDHZZ | | 840163 | 04901 | WASHER,FLAT | | EA | 2 |
| 2 | 14 | XDHZZ | | NUTBR8-32X3-8 | 04901 | NUT,PLAIN,HEXAGON | | EA | 2 |
| 2 | 15 | PAHZZ | 5310-00-579-0150 | 1910-00 | 78189 | WASHER,LOCK | | EA | 2 |
| 2 | 16 | XDHZZ | | 780130 | 04901 | PLATE, IDENTIFICATION | | EA | 1 |

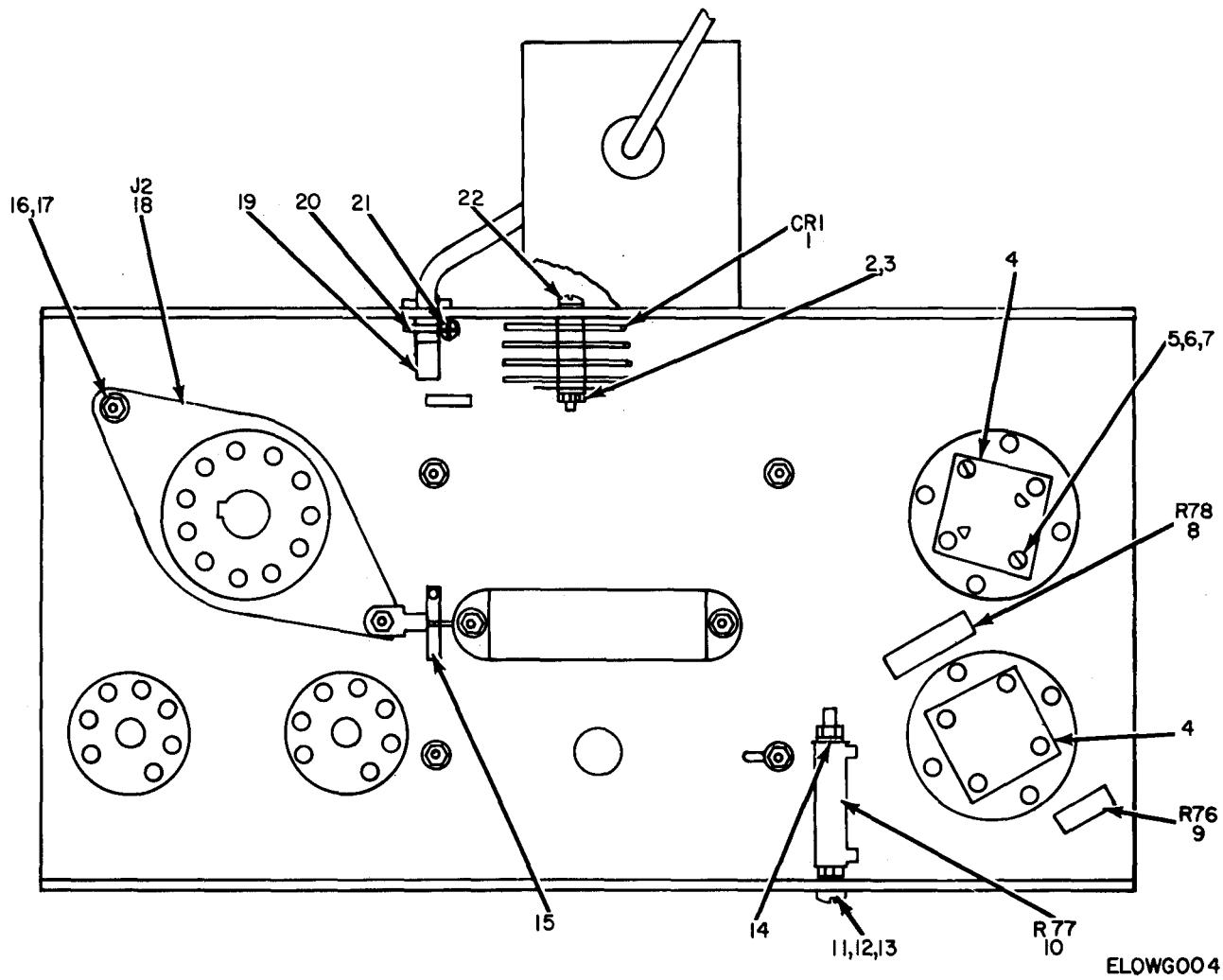
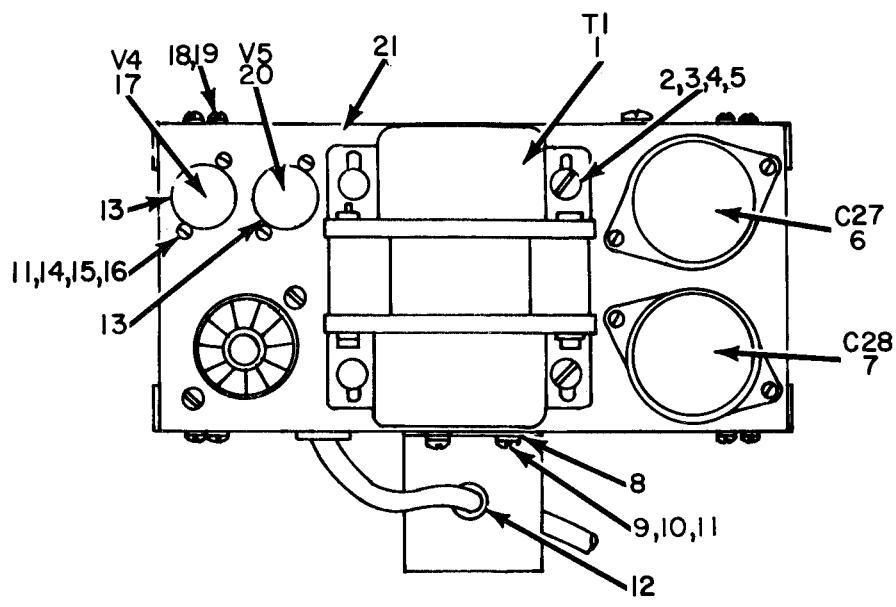


Figure 3. Voltmeter, Electronic ME-247/U or ME-247A/U, Power Supply, Bottom View.

| SECTION II ILLUSTRATION | | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
|----------------------------|--------------------|-------------|-----------------------------|------------------|-------|--------------------------------|----------------|---------------------------------|
| (A) FIG NO. | (B) ITEM NO. | SMR CODE | NATIONAL STOCK NUMBER | PART NUMBER | FSCM | DESCRIPTION | USABLE ON CODE | QTY INC IN U/M UNIT |
| 3 | 1 | PAHZZ | 6130-00-583-9090 | 3048B | 84970 | RECTIFIER,METALLIC | | EA 1 |
| 3 | 2 | XDHZZ | | NUTBR6-32X1-4 | 04911 | NUT,PLAIN,HEXAGON | | EA 4 |
| 3 | 3 | PAHZZ | 5310-00-568-7971 | 1806-00 | 78189 | WASHER,LOCK | | EA 1 |
| 3 | 4 | XDHZZ | 5910-00-840-2403 | BP6 | 37942 | PLATE,MOUNTING,POWER SUPPLY | | EA 2 |
| 3 | 5 | XDHZZ | | SCRBHBR4-40X1-4 | 04901 | SCREW,MACHINE | | EA 2 |
| 3 | 6 | XDHZZ | | 190400 | 78189 | WASHER,LOCK | | EA 2 |
| 3 | 7 | XDHZZ | | NUTBR4-40X1-4 | 04901 | NUT,PLAIN,HEXAGON | | EA 4 |
| 3 | 8 | PAHZZ | 5905-00-249-4190 | RC42GF562J | 81349 | RESISTOR,FIXED,COMPOSITION | | EA 1 |
| 3 | 9 | PAHZZ | 5905-00-279-2617 | RC32GF105J | 81349 | RESISTOR,FIXED,COMPOSITION | | EA 1 |
| 3 | 10 | PAHZZ | 5905-00-929-4911 | 10W10315PCT | 02642 | RESISTOR,FIXED, WIRE WOUND | | EA 1 |
| 3 | 11 | PAHZZ | 5310-00-634-9784 | 2163 | 83330 | WASHER,NONMETALLIC | | EA 2 |
| 3 | 12 | XDHZZ | | NUTBR8-32X5-16 | 04901 | NUT,PLAIN,HEXAGON | | EA 2 |
| 3 | 13 | XDHZZ | | SCRBH8-32-21-4 | 04901 | SCREW,MACHINE | | EA 1 |
| 3 | 14 | PAHZZ | 5310-00-019-0670 | 1908-00 | 78189 | WASHER,LOCK | | EA 2 |
| 3 | 15 | PAHZZ | 5940-00-171-0419 | 1513A | 71785 | TERMINAL BOARD | | EA 1 |
| 3 | 16 | XDHZZ | | SCRHBR6-32X1-4 | 04901 | SCREW,MACHINE | | EA 2 |
| 3 | 17 | PAHZZ | 5310-00-754-4399 | 1906-00 | 78189 | WASHER,LOCK | | EA 4 |
| 3 | 18 | PAHZZ | 5935-00-975-3150 | 77M1P11 | 02660 | SOCKET,ELECTRON TUBE | | EA 1 |
| 3 | 19 | XDHZZ | | CE9 | 37942 | INSULATION SLEEVING,ELECTRICAL | | EA 1 |
| 3 | 20 | XDHZZ | | 1953-6B | 71616 | CAMP,LOOP | | EA 1 |
| 3 | 21 | XDHZZ | | SCRBHBR6-32X5-16 | 04901 | SCREW,MACHINE | | EA 1 |
| 3 | 22 | XDHZZ | | SCRBHBR6-32X7-8 | 04901 | SCREW,MACHINE | | EA 1 |



TOP VIEW

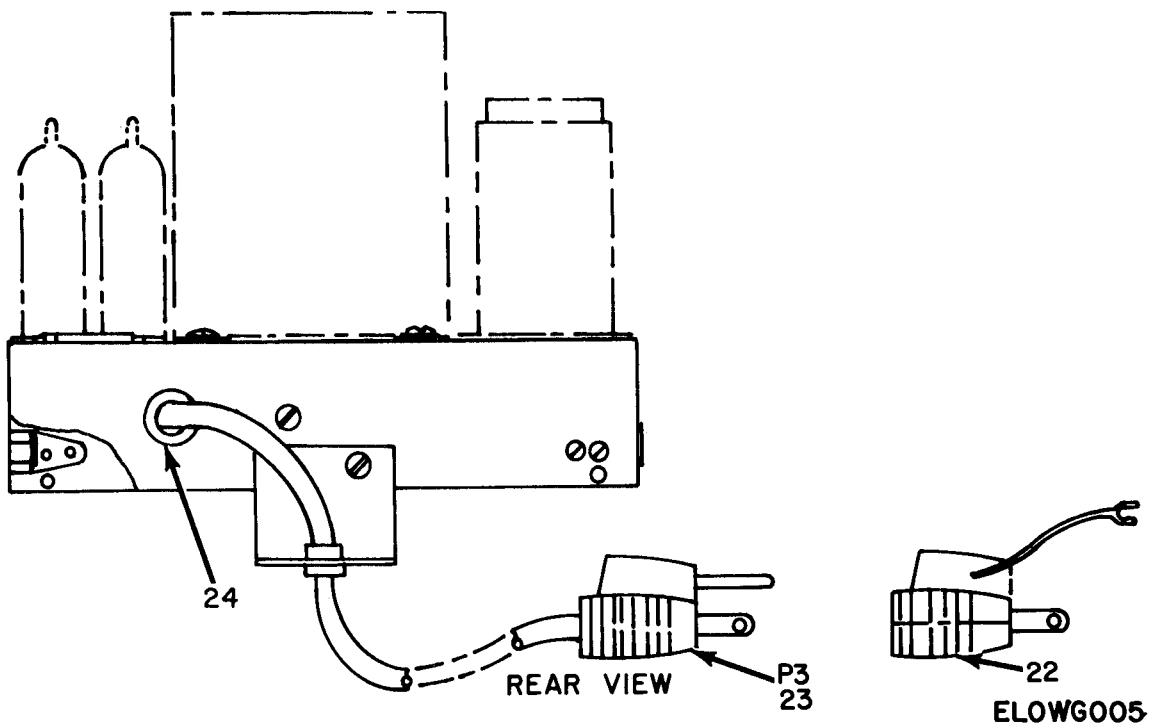


Figure 4. Voltmeter, Electronic ME-247/U or ME-247A/U, Power Supply.

| SECTION II ILLUSTRATION | | (2) | (3) | (4) | (5) | (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 | PAHZZ | 5950-00-226-3088 | 446016 | 04901 | TRANSFORMER,POWER | | EA 1 |
| 4 | 2 | XDHZZ | | SCRBHBR8-32X5-16 | 04901 | SCREW,MACHINE | | EA 4 |
| 4 | 3 | XDHZZ | | 840110 | 04901 | WASHER,FLAT | | EA 4 |
| 4 | 4 | PAHZZ | 5310-00-019-0670 | 1908-00 | 78189 | WASHER,LOCK | | EA 4 |
| 4 | 5 | XDHZZ | | NUTBR8-32X5-16 | 04901 | NUT,PLAIN,HEXAGON | | EA 4 |
| 4 | 6 | PAHZZ | 5910-00-227-0729 | FP376-5 | 37942 | CAPACITOR,FIXED,ELECTROLYTIC | | EA 1 |
| 4 | 7 | PAHZZ | 5910-00-170-5193 | WP200 | 37942 | CAPACITOR,FIXED,ELECTROLYTIC | | EA 1 |
| 4 | 8 | XDHZZ | | 730235 | 04901 | BRACKET,ANGLE | | EA 1 |
| 4 | 9 | XDHZZ | | SCRRHBR6-32X1-4 | 04901 | SCREW,MACHINE | | EA 20 |
| 4 | 10 | PAHZZ | 5310-00-754-4399 | 1906-00 | 78189 | WASHER,LOCK | | EA 2 |
| 4 | 11 | XDHZZ | | NUTBR6-32X1-4 | 04901 | NUT,PLAIN,HEXAGON | | EA 2 |
| 4 | 12 | XDHZZ | | SR5P | 28520 | BUSHING,STRAIN RELIEF,CABLE | | EA 1 |
| 4 | 13 | PAHZZ | 5935-00-062-6621 | 53C13244 | 71785 | SOCKET,ELECTRON TUBE | | EA 2 |
| 4 | 14 | XDHZZ | | SCRBHBR4-40X14-4 | 04901 | SCREW,MACHINE | | EA 6 |
| 4 | 15 | XDHZZ | 5310-00-939-1061 | MS35333-104 | 96906 | WASHER,LOCK | | EA 6 |
| 4 | 16 | XDHZZ | | 541 | 79963 | TERMINAL,LUG | | EA 4 |
| 4 | 17 | PAHZZ | 5960-00-272-9182 | 6X4 | 58854 | ELECTRON TUBE | | EA 1 |
| 4 | 18 | XDHZZ | | 843010 | 04901 | WASHER,LOCK | | EA 8 |
| 4 | 19 | XDHZZ | | 745100 | 04901 | NUT,PLAIN,PLATE | | EA 4 |
| 4 | 20 | PAHZZ | 5960-00-503-4880 | 0A2 | 81349 | ELECTRON TUBE | | EA 1 |
| 4 | 21 | XDHZZ | | 601136 | 04901 | CHASSIS,ELECTRICAL EQUIPMENT | | EA 1 |
| 4 | 22 | PAOZZ | 6625-00-970-6414 | 310-1 | 76493 | ADAPTER,CONNECTOR | | EA 1 |
| 4 | 23 | PAHZZ | 6625-00-970-6414 | 568101 | 04901 | CONNECTOR,PLUG,ELECTRICAL | | EA 1 |
| 4 | 24 | PAHZZ | 5325-00-286-2580 | 1042 | 72653 | GROMMET,RUBBER | | EA 1 |

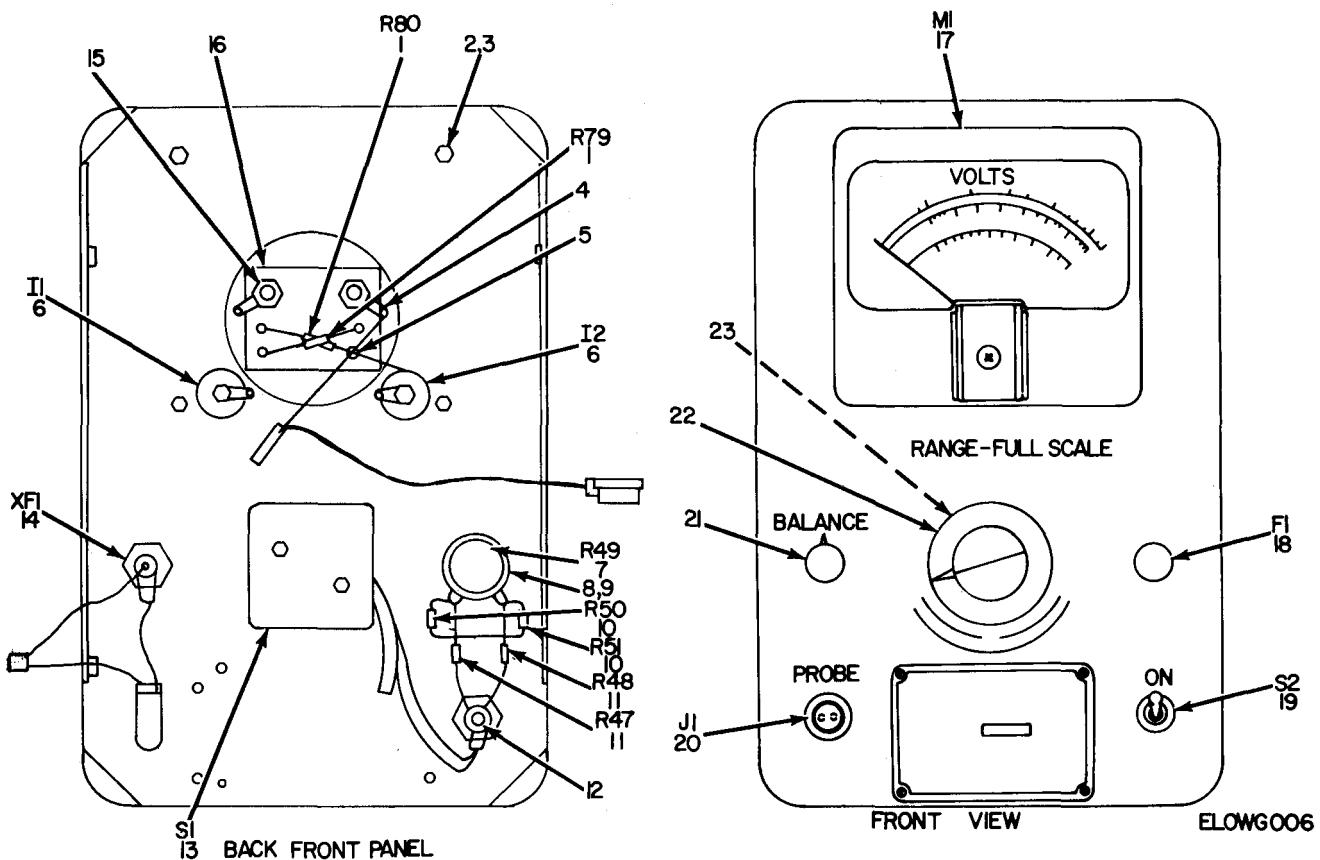


Figure 5. Voltmeter, Electronic ME-247/U or ME-247A/U, Panel Assembly.

| SECTION II ILLUSTRATION | | (2) | (3) | (4) | (5) | (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 |
| 5 | 1 | PAHZZ | 5905-00-190-8883 | RC20GF100J | 81349 | RESISTOR, FIXED, COMPOSITION | | EA 2 |
| 5 | 2 | XDHZZ | | 843010 | 04901 | WASHER, LOCK | | EA 4 |
| 5 | 3 | XDHZZ | | NUTBR6-32X1-4 | 04901 | NUT, PLAIN, HEXAGON | | EA 4 |
| 5 | 4 | XDHZZ | | 1467AP27 | 71785 | TERMINAL, LUG | | EA 2 |
| 5 | 5 | XDHZZ | | 1724-3 | 71279 | TERMINAL, STUD | | EA 4 |
| 5 | 6 | PAOZZ | 6240-00-155-8706 | 47 | 08806 | LAMP, INCANDESCENT | | EA 2 |
| 5 | 7 | XDHZZ | | JA4N648S503UC | 01121 | RESISTOR, VARIABLE | | EA 1 |
| 5 | 8 | XDHZZ | | 840124 | 04901 | WASHER, FLAT | | EA 1 |
| 5 | 9 | PAHZZ | 5940-00-581-3600 | 334 | 79963 | TERMINAL, LUG | | EA 1 |
| 5 | 10 | XDHZZ | | EB8225 | 01121 | RESISTOR, FIXED, COMPOSITION | | EA 2 |
| 5 | 11 | PAHZZ | 5905-00-246-9396 | RCR20G226JS | 81349 | RESISTOR, FIXED, COMPOSITION | | EA 2 |
| 5 | 12 | XDHZZ | | 840132 | 04901 | WASHER, FLAT | | EA 1 |
| 5 | 13 | PAHZZ | 5930-00-970-1239 | 466145 | 04901 | SWITCH, ROTARY | | EA 1 |
| 5 | 14 | PAHZZ | 5920-00-892-9311 | HKP | 71400 | FUSEHOLDER | | EA 1 |
| 5 | 15 | XDHZZ | | 745141 | 04901 | NUT, PLAIN, HEXAGON | | EA 2 |
| 5 | 16 | XDHZZ | | 486107 | 04901 | TERMINAL BOARD | | EA 1 |
| 5 | 17 | PAHZZ | 6625-00-983-8794 | 554139 | 04901 | AMMETER | | EA 1 |
| 5 | 18 | PAOZZ | 5920-00-199-9498 | MDL1-2 | 71400 | FUSE, CARTRIDGE | | EA 1 |
| 5 | 19 | PAHZZ | 5930-00-892-9064 | 110-63 | 73559 | SWITCH, TOGGLE | | EA 1 |
| 5 | 20 | PAHZZ | 5935-00-546-7500 | 80PC2FT | 02660 | CONNECTOR, RECEPTACLE, ELECTRICAL | | EA 1 |
| 5 | 21 | PAOZZ | 5355-00-160-7108 | 1400 | 72512 | KNOB | | EA 1 |
| 5 | 22 | PAOZZ | 5355-00-160-7108 | HK3 | 80053 | KNOB | | EA 1 |
| 5 | 23 | XDHHH | | 091314 | 04901 | SWITCH ASSEMBLY | | EA 1 |

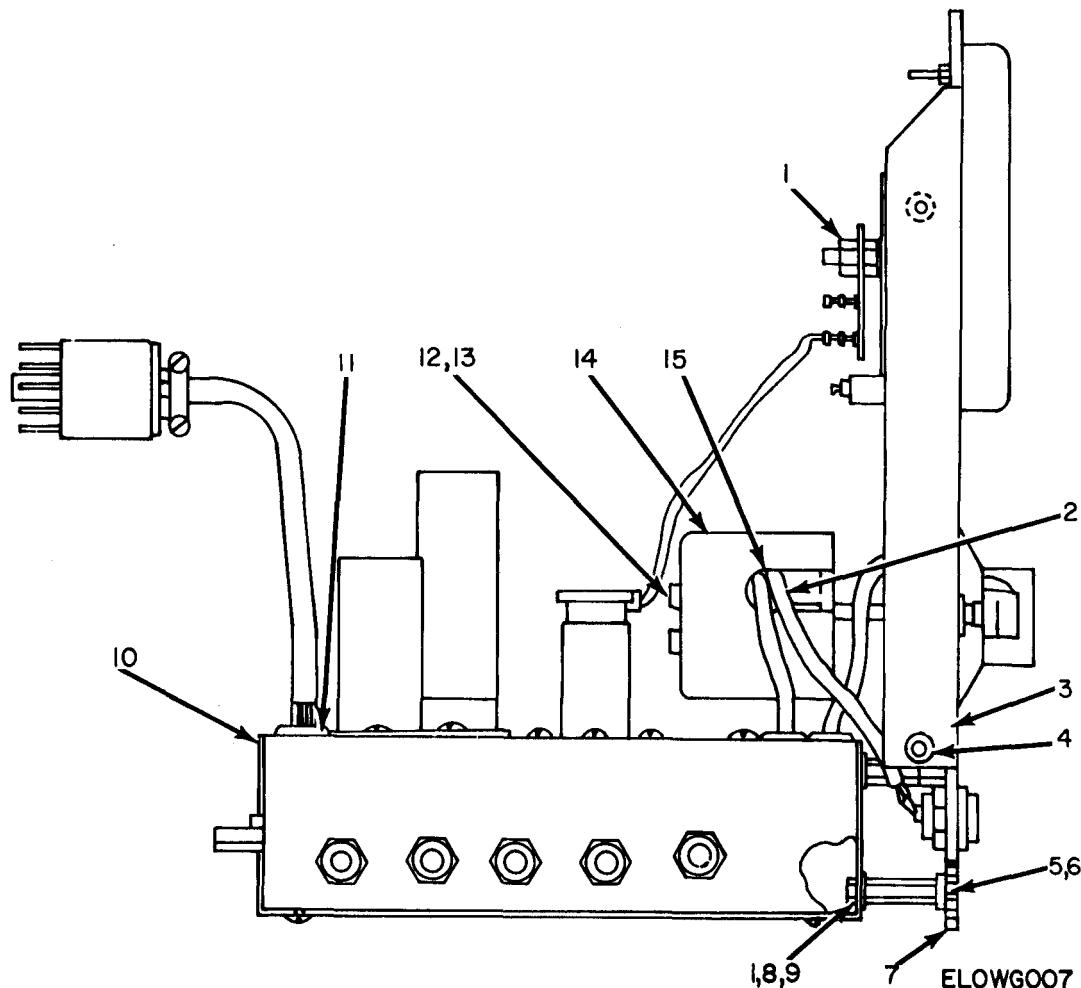
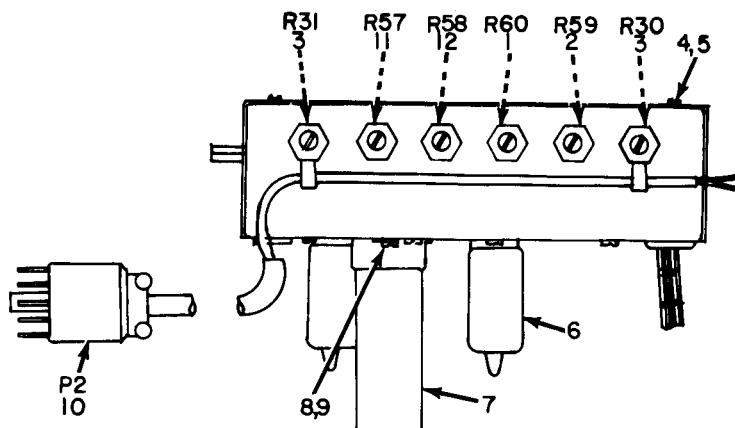
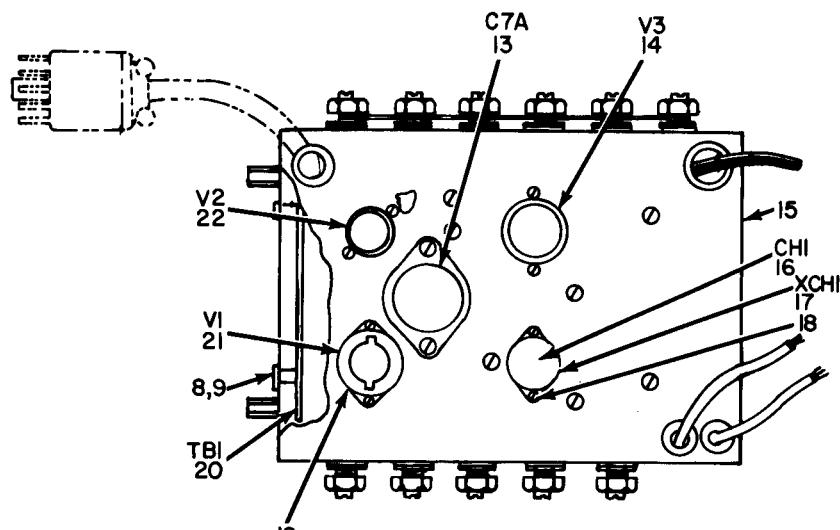


Figure 6. Voltmeter, Electronic ME-247/U or ME-247A/U, Panel Assembly, Right Side View.

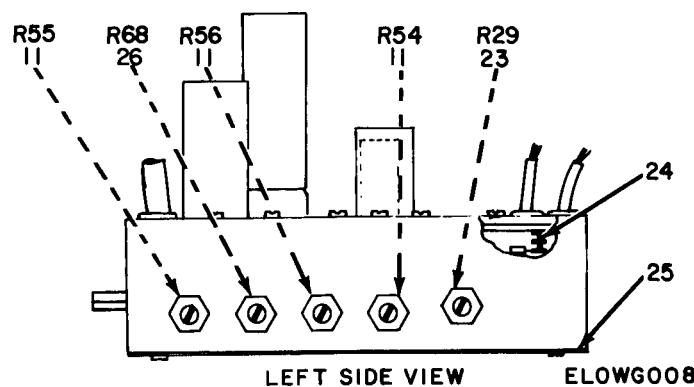
| (1) ILLUSTRATION | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
|---------------------|--------------------|-------------|-----------------------------|-----------------|-------|--------------------------|--------------------------|
| (a) FIG NO. | (b) ITEM NO. | SMR CODE | NATIONAL STOCK NUMBER | PART NUMBER | FSCM | DESCRIPTION | QTY INC IN UNIT |
| 6 | 1 | XDHZZ | 5310-00-261-6192 | 4008-14-00 | 78189 | WASHER,LOCK | EA 8 |
| 6 | 2 | XDHZZ | | 570123 | 04901 | CABLE SUBASSEMBLY,SWITCH | EA 1 |
| 6 | 3 | XDHZZ | | 602365-1 | 04901 | PANEL,FRONT | EA 1 |
| 6 | 4 | XDHZZ | | SCRBHBR8-32X3-8 | 04901 | SCREW,MACHINE | EA 4 |
| 6 | 5 | XDHZZ | | SCRBHBR6-32X3-8 | 04901 | SCREW,MACHINE | EA 2 |
| 6 | 6 | XDHZZ | | 843021 | 04901 | WASHER,LOCK | EA 4 |
| 6 | 7 | XDHZZ | | 602364 | 04901 | PANEL | EA 1 |
| 6 | 8 | XDHZZ | | 793126 | 04901 | SCREW,MACHINE | EA 4 |
| 6 | 9 | PAHZZ | 5310-00-062-6106 | 8219B832 | 06540 | NUT, PLAIN, SLEEVE | EA 4 |
| 6 | 10 | XDHHH | | 001304 | 04901 | AMPLIFIER ASSEMBLY | EA 1 |
| 6 | 11 | XDHZZ | | 1043-1 | 72653 | GROMMET,RUBBER | EA 1 |
| 6 | 12 | XDHZZ | | SCRFBFR8-32X3-8 | 04901 | SCREW,MACHINE | EA 4 |
| 6 | 13 | XDHZZ | | 9630BA0632 | 06540 | NUT, PLAIN, CLINCH | EA 2 |
| 6 | 14 | XDHZZ | | 700210 | 04901 | COVER,ELECTRONIC SWITCH | EA 1 |
| 6 | 15 | XDHZZ | | 1043 | 72653 | GROMMET,RUBBER | EA 1 |



RIGHT SIDE VIEW



TOP VIEW



LEFT SIDE VIEW

ELOWGOOB

Figure 7. Voltmeter, Electronic ME-247/U or ME-247A/U, Amplifier Assembly.

| SECTION II ILLUSTRATION | | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
|----------------------------|----------|----------|------------------|------------------|-------|---------------------------------|----------------|-----------------|
| FIG NO. | ITEM NO. | (A) CODE | (B) STOCK NUMBER | PART NUMBER | FSCM | DESCRIPTION | USABLE ON CODE | QTY INC IN UNIT |
| 7 | 1 | XDHZZ | | 34-5203B | 10582 | RESISTOR, VARIABLE | | EA 1 |
| 7 | 2 | XDHZZ | | 34-0756A | 10582 | RESISTOR, VARIABLE | | EA 1 |
| 7 | 3 | XDHZZ | | 34-5204A | 10582 | RESISTOR, VARIABLE | | EA 2 |
| 7 | 4 | XDHZZ | | NUTBR4-40X1-4 | 04901 | NUT, PLAIN, HEXAGON | | EA 2 |
| 7 | 5 | XDHZZ | 5310-00-939-1061 | MS35333-104 | 96906 | WASHER, LOCK | | EA 1 |
| 7 | 6 | PAHZZ | 5960-00-264-3004 | TS103U02 | 81394 | SHIELD, ELECTRON TUBE | | EA 1 |
| 7 | 7 | XDHZZ | | 730139 | 04901 | SHIELD, ELCTRON TUBE SOCKET | | EA 1 |
| 7 | 8 | PAHZZ | 5310-00-754-4399 | 1906-00 | 78189 | WASHER, LOCK | | EA 12 |
| 7 | 9 | XDHZZ | | SCRBHBR6-32X5-16 | 04901 | SCREW, MACHINE | | EA 10 |
| 7 | 10 | PAHZZ | 5935-00-257-7799 | 86PM11-11 | 02660 | CONNECTOR, PLUG, ELECTRICAL | | EA 1 |
| 7 | 11 | XDHZZ | | 34-5202A | 10582 | RESISTOR, VARIABLE | | EA 4 |
| 7 | 12 | PAHZZ | 5905-00-062-6603 | 34-5188 | 10582 | RESISTOR, VARIABLE | | EA 1 |
| 7 | 13 | PAHZZ | 5910-00-726-3372 | FP230 | 37942 | CAPACITOR, FIXED, ELECTROLYTIC | | EA 1 |
| 7 | 14 | PAHZZ | 5960-00-545-5435 | 7199 | 49671 | ELECTRON TUBE | | EA 1 |
| 7 | 15 | XDHZZ | | 601115 | 04901 | CHASSIS, ELECTRICAL EQUIPMENT | | EA 1 |
| 7 | 16 | PAHZZ | 5945-00-970-1240 | 540113 | 04001 | CHOPPER, ELECTRONIC | | EA 1 |
| 7 | 17 | PAHZZ | 5935-00-970-6427 | 472118 | 04901 | SOCKET, CHOPPER | | EA 1 |
| 7 | 18 | XDHZZ | | SCRBHBR4-40X1-4 | 04901 | SCREW, MACHINE | | EA 6 |
| 7 | 19 | XDHZZ | | 402 | 71785 | STRAP NUT, ELECTRON TUBE SOCKET | | EA 1 |
| 7 | 20 | XDHHH | | 091312 | 04901 | TERMINAL BOARD ASSEMBLY | | EA 1 |
| 7 | 21 | PAHZZ | 5960-00-166-7664 | 12AX7 | 81349 | ELECTRON TUBE | | EA 1 |
| 7 | 22 | PAHZZ | 5960-00-813-5008 | 6A06WB | 81349 | ELECTRON TUBE | | EA 1 |
| 7 | 23 | PAHZZ | 5905-00-700-0776 | JA41040S2202UC | 01121 | RESISTOR, VARIABLE | | EA 1 |
| 7 | 24 | PAHZZ | 5940-00-155-7688 | 2106-04-00 | 78189 | TERMINAL, LUG | | EA 1 |
| 7 | 25 | XDHZZ | | 602102 | 04901 | PLATE, BOTTOM | | EA 1 |
| 7 | 26 | XDHZZ | | 34-7681B | 10582 | RESISTOR, VARIABLE | | EA 1 |

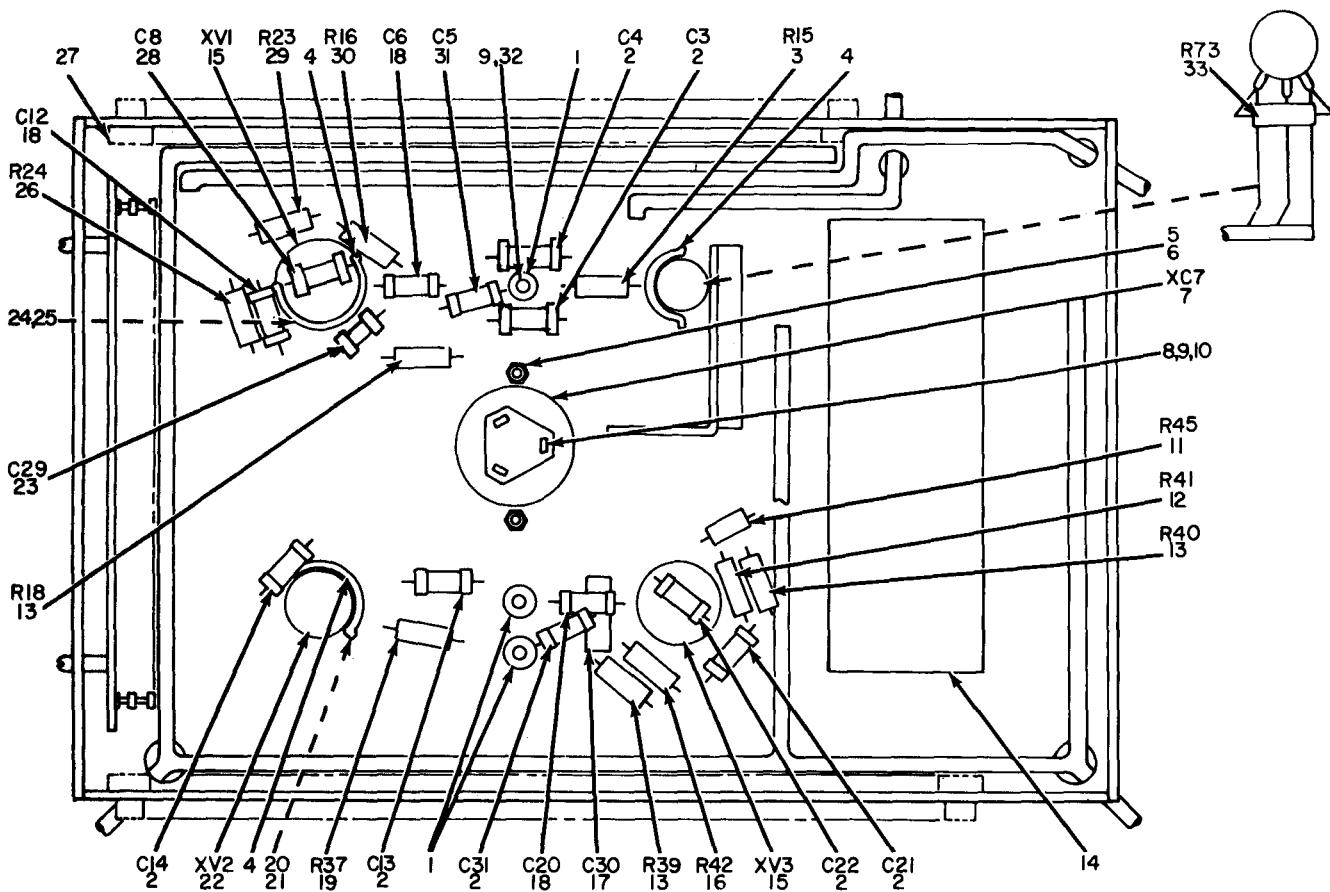


Figure 8. Voltmeter, Electronic ME-247/U or ME-247A/U, Amplifier Assembly. Inside View.

| SECTION II ILLUSTRATION | | (2) | (3) | (4) | (5) | (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 | XDHZZ | | X947-2 | 71277 | TERMINAL, STUD | | EA 3 |
| 8 | 2 | PAHZZ | 5910-00-797-9742 | 192P10402 | 56289 | CAPACITOR, FIXED, PAPER | | EA 7 |
| 8 | 3 | PAHZZ | 5905-00-279-1876 | RC20GF222J | 81349 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 8 | 4 | PAHZZ | 5960-00-711-6934 | 95B1 | 71785 | RETAINER, ELECTRON TUBE SHIELD | | EA 3 |
| 8 | 5 | XDHZZ | | 541 | 79963 | TERMINAL, LUG | | EA 14 |
| 8 | 6 | XDHZZ | | NUTBR6-32XU-4 | 04901 | NUT, PLAIN, HEXAGON | | EA 2 |
| 8 | 7 | PAHZZ | 5910-00-194-7807 | BP4 | 37942 | PLATE, MOUNTING | | EA 1 |
| 8 | 8 | PAHZZ | 5940-00-156-7345 | 2102-06-00 | 78189 | TERMINAL, LUG | | EA 1 |
| 8 | 9 | PAHZZ | 5310-00-754-4399 | 1906-00 | 78189 | WASHER, LOCK | | EA 7 |
| 8 | 10 | XDHZZ | | SCRBHBR6-32X5-16 | 04901 | SCREW, MACHINE | | EA 4 |
| 8 | 11 | PAHZZ | 5905-00-192-0651 | RC42GF203J | 81349 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 8 | 12 | PAHZZ | 5905-00-192-0667 | EB2245 | 01121 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 8 | 13 | PAHZZ | 5905-00-192-0390 | EB1055 | 01121 | RESISTOR, FIXED, COMPOSITION | | EA 3 |
| 8 | 14 | XDHHH | | 091313 | 04901 | TERMINAL BOARD ASSEMBLY | | EA 1 |
| 8 | 15 | XDHZZ | | 44C12827 | 71785 | SOCKET, ELECTRON TUBE | | EA 2 |
| 8 | 16 | PAHZZ | 5905-00-190-8880 | RC20GF122J | 81349 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 8 | 17 | PAHZZ | 5910-00-893-5180 | TE1100 | 56289 | CAPACITOR, FIXED, ELECTROLYTIC | | EA 1 |
| 8 | 18 | XDHZZ | | 192P22102 | 56289 | CAPACITOR, FIXED, PAPER | | EA 3 |
| 8 | 19 | XDHZZ | | CD1-2PR576K | 06668 | RESISTOR, FIXED, FILM | | EA 1 |
| 8 | 20 | PAHZZ | 5935-00-259-9853 | 14167 | 71785 | STRAP NUT, ELECTRON TUBE SOCKET | | EA 2 |
| 8 | 21 | XDHZZ | | SCRBHBR4-40X1-4 | 04901 | SCREW, MACHINE | | EA 2 |
| 8 | 22 | PAHZZ | 5935-00-062-7774 | 53C18984 | 71785 | SOCKET, ELECTRON TUBE | | EA 1 |
| 8 | 23 | PAHZZ | 5910-00-071-3046 | ET8-05 | 72982 | CAPACITOR, FIXED, CERAMIC | | EA 1 |
| 8 | 24 | XDHZZ | | 402 | 71785 | STRAP NUT, ELECTRON TUBE SOCKET | | EA 1 |
| 8 | 25 | PAHZZ | 5940-00-581-3600 | 334 | 79963 | TERMINAL, LUG | | EA 3 |
| 8 | 26 | PAHZZ | 5905-00-190-8885 | RC20GF225J | 81349 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 8 | 27 | PAHZZ | 5325-00-286-2580 | 1042 | 72653 | GROMMET, RUBBER | | EA 1 |
| 8 | 28 | PAHZZ | 5910-00-944-9486 | 192P47202 | 56289 | CAPACITOR, FIXED, PAPER | | EA 1 |
| 8 | 29 | PAHZZ | 5905-00-279-3503 | RC20GF682J | 81349 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 8 | 30 | PAHZZ | 5905-00-279-1892 | RC20GF685J | 81349 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 8 | 31 | PAHZZ | 5910-00-719-4370 | 192P33202 | 56289 | CAPACITOR, FIXED, PAPER | | EA 1 |
| 8 | 32 | XDHZZ | | SCRBHBR6-32X3-16 | 04901 | SCREW, MACHINE | | EA 3 |
| 8 | 33 | PAHZZ | 5905-00-690-9431 | C203-9K5PCT | 16299 | RESISTOR, FIXED, COMPOSITION | | EA 1 |

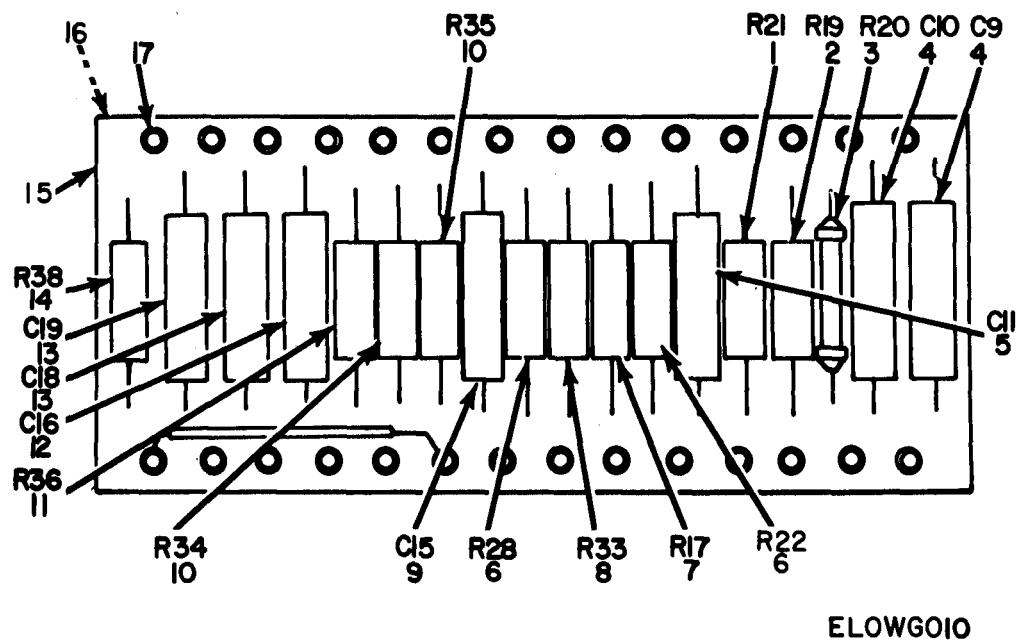


Figure 9. Voltmeter, Electronic ME-247/U or ME-247A/U, Terminal Board, Rear Assembly.

| SECTION II ILLUSTRATION | | (2) | (3) | (4) | (5) | (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 |
| 9 | 1 | PAHZZ | 5905-00-586-9888 | CD1-2PR825K | 06668 | RESISTOR, FIXED, FILM | | EA 1 |
| 9 | 2 | XDHZZ | | CD1-2PR845 | 06668 | RESISTOR, FIXED, FILM | | EA 1 |
| 9 | 3 | PAHZZ | 5905-00-809-5960 | CD1-2PR10K | 06668 | RESISTOR, FIXED, FILM | | EA 1 |
| 9 | 4 | PAHZZ | 5910-00-893-5180 | TE1100 | 56289 | CAPACITOR, FIXED, ELECTROLYTIC | | EA 2 |
| 9 | 5 | PAHZZ | 5910-00-797-9742 | 192P10402 | 56288 | CAPACITOR, FIXED, PAPER | | EA 1 |
| 9 | 6 | PAHZZ | 5905-00-279-2515 | RC20GF474J | 81349 | RESISTOR, FIXED, COMPOSITION | | EA 2 |
| 9 | 7 | PAHZZ | 5905-00-415-1602 | EB4735 | 01121 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 9 | 8 | PAHZZ | 5905-00-192-0390 | EB1055 | 01121 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 9 | 9 | PAHZZ | 5910-00-889-4462 | 192P47392 | 56289 | CAPACITOR, FIXED, PAPER | | EA 1 |
| 9 | 10 | PAHZZ | 5905-00-171-2003 | RC20GF204J | 81349 | RESISTOR, FIXED, COMPOSITION | | EA 2 |
| 9 | 11 | PAHZZ | 5905-00-279-2514 | RC20GF564J | 81349 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 9 | 12 | PAHZZ | 5910-00-993-1712 | 192P2292 | 56289 | CAPACITOR, FIXED, PAPER | | EA 1 |
| 9 | 13 | PAHZZ | 5910-00-955-5492 | 192P33352 | 56289 | CAPACITOR, FIXED, PAPER | | EA 2 |
| 9 | 14 | PAHZZ | 5905-00-192-0649 | RC20GF203J | 81349 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 9 | 15 | XDHZZ | | 486155 | 04901 | TERMINAL BOARD | | EA 1 |
| 9 | 16 | XDHZZ | | 1246C3-8 | 71279 | NUT, PLAIN, CLINCH | | EA 2 |
| 9 | 17 | XDHZZ | | X2080C | 71279 | TERMINAL, STUD | | EA 28 |

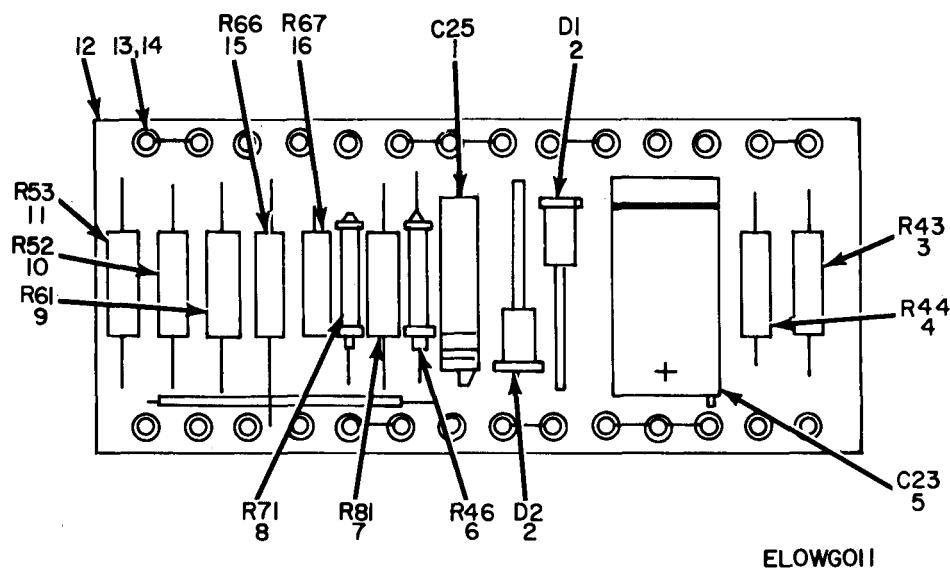


Figure 10. Voltmeter, Electronic ME-247/U or ME-247A/U,
Terminal Board, Front Assembly.

| SECTION II ILLUSTRATION | | (2) | (3) | (4) | (5) | (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 |
| 10 | 1 | PAHZZ | 5910-00-081-6159 | TE1303 | 56289 | CAPACITOR, FIXED, ELECTROLYTIC | | EA 1 |
| 10 | 2 | XDHZZ | | 1N600 | 99180 | SEMICONDUCTOR DEVICE, DIODE | | EA 2 |
| 10 | 3 | PAHZZ | 5905-00-192-0390 | EB1055 | 01121 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 10 | 4 | PAHZZ | 5905-00-111-8357 | RCR20G681JS | 81349 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 10 | 5 | PAHZZ | 5910-00-899-3797 | P8292ZN13 | 00656 | CAPACITOR, FIXED, PAPER | | EA 1 |
| 10 | 6 | PAHZZ | 5905-00-587-0242 | CD1-2PR30-1K | 06668 | RESISTOR, FIXED, FILM | | EA 1 |
| 10 | 7 | PAHZZ | 5905-00-195-6761 | RC20GF104J | 81349 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 10 | 8 | XDHZZ | | CD1-2PR7-5K | 06668 | RESISTOR, FIXED, FILM | | EA 1 |
| 10 | 9 | XDHZZ | | EB2215 | 01121 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 10 | 10 | PAHZZ | 5905-00-192-0667 | EB2245 | 01121 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 10 | 11 | PAHZZ | 5905-00-279-1750 | EB2405 | 01121 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 10 | 12 | XDHZZ | | 486155 | 04901 | TERMINAL BOARD | | EA 1 |
| 10 | 13 | XDHZZ | | X2080C | 71279 | TERMINAL, STUD | | EA 28 |
| 10 | 14 | XDHZZ | | 1246C3-8 | 71279 | NUT, PLAIN, CLINCH | | EA 2 |
| 10 | 15 | PAHZZ | 5905-00-802-7499 | EB1835 | 44655 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 10 | 16 | PAHZZ | 5905-00-909-4234 | EB3335 | 01121 | RESISTOR, FIXED, COMPOSITION | | EA 1 |

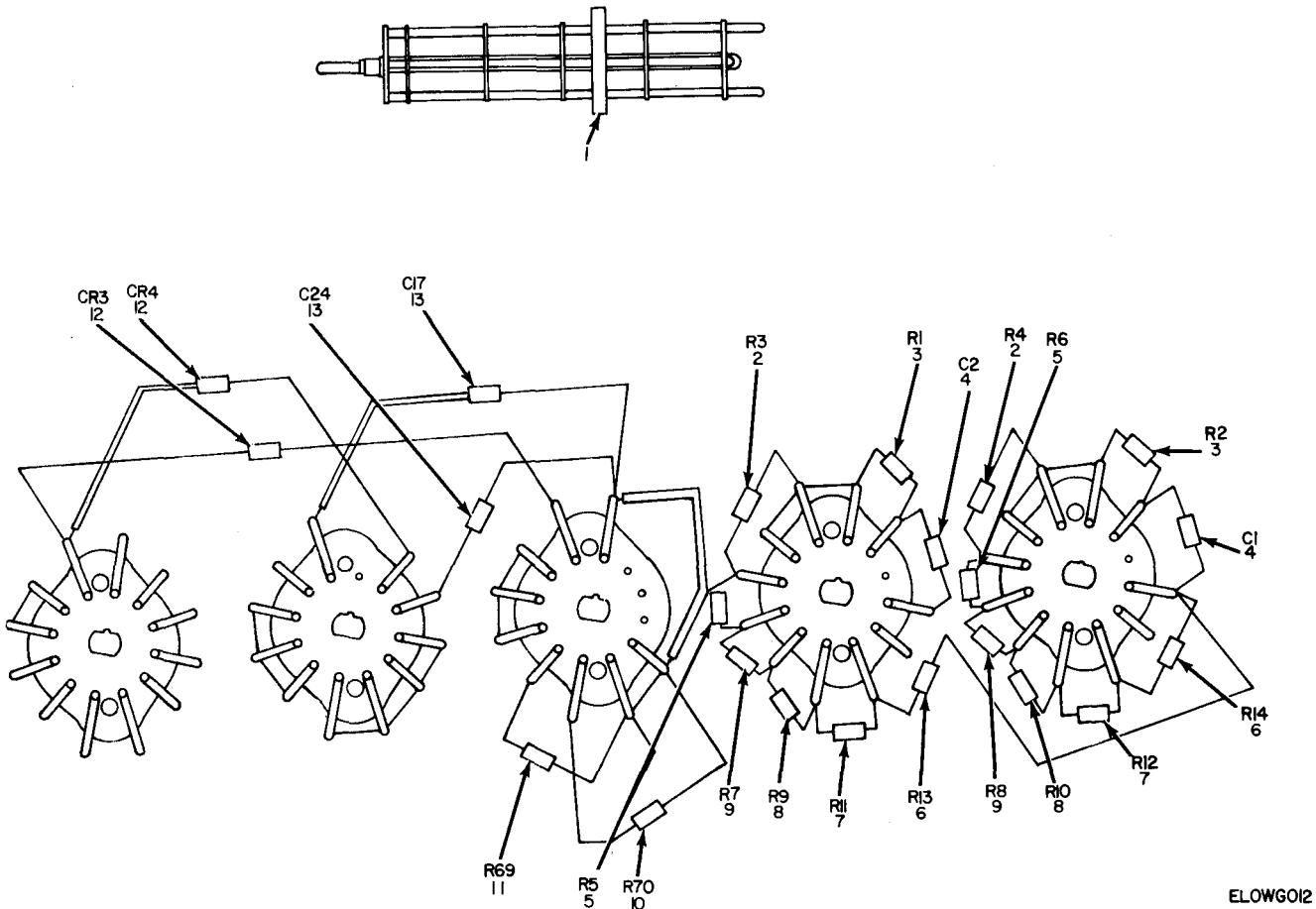


Figure 11. Voltmeter, Electronic ME-247/U or ME-247A/U,
Switch Assembly.

| (1) ILLUSTRATION | | (2) SMR CODE | (3) NATIONAL STOCK NUMBER | (4) PART NUMBER | (5) FSCM | (6) DESCRIPTION <i>USABLE ON CODE</i> | (7) | (8) QTY INC IN UNIT |
|---------------------|--------------------|--------------------|------------------------------------|-----------------------|-------------|---------------------------------------------|-----|---------------------------------|
| (a) FIG NO. | (b) ITEM NO. | | | | | | U/M | |
| 11 | 1 | XDHZZ | | 700212 | 04901 | SHIELD, ROTARY SWITCH | | EA 1 |
| 11 | 2 | PAHZZ | 5905-00-059-3690 | CD1-2PR5-11M | 06668 | RESISTOR, FIXED, FILM | | EA 2 |
| 11 | 3 | PAHZZ | 5905-00-279-2519 | EB3345 | 01121 | RESISTOR, FIXED, COMPOSITION | | EA 2 |
| 11 | 4 | PAHZZ | 5910-00-797-9742 | 192P10402 | 56289 | CAPACITOR, FIXED, PAPER | | EA 2 |
| 11 | 5 | XDHZZ | | CD1-2PR4-64K | 06668 | RESISTOR, FIXED, FILM | | EA 2 |
| 11 | 6 | XDHZZ | | CD1-2PR675 | 06668 | RESISTOR, FIXED, FILM | | EA 2 |
| 11 | 7 | XDHZZ | | CD1-2PR1-39K | 06668 | RESISTOR, FIXED, FILM | | EA 2 |
| 11 | 8 | PAHZZ | 5905-00-936-1286 | CD1-2PR6-81 | 06668 | RESISTOR, FIXED, FILM | | EA 2 |
| 11 | 9 | XDHZZ | | CD1-2PR47-5K | 06668 | RESISTOR, FIXED, FILM | | EA 2 |
| 11 | 10 | PAHZZ | 5905-00-909-4234 | EB3335 | 01121 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 11 | 11 | PAHZZ | 5905-00-121-9110 | EB5625 | 01121 | RESISTOR, FIXED, COMPOSITION | | EA 1 |
| 11 | 12 | PAHZZ | 5961-00-758-6075 | 530040 | 04901 | SEMICONDUCTOR DEVICE, DIODE | | EA 2 |
| 11 | 13 | PAHZZ | 5910-00-893-5180 | TE1100 | 56289 | CAPACITOR, FIXED, ELECTROLYTIC | | EA 2 |

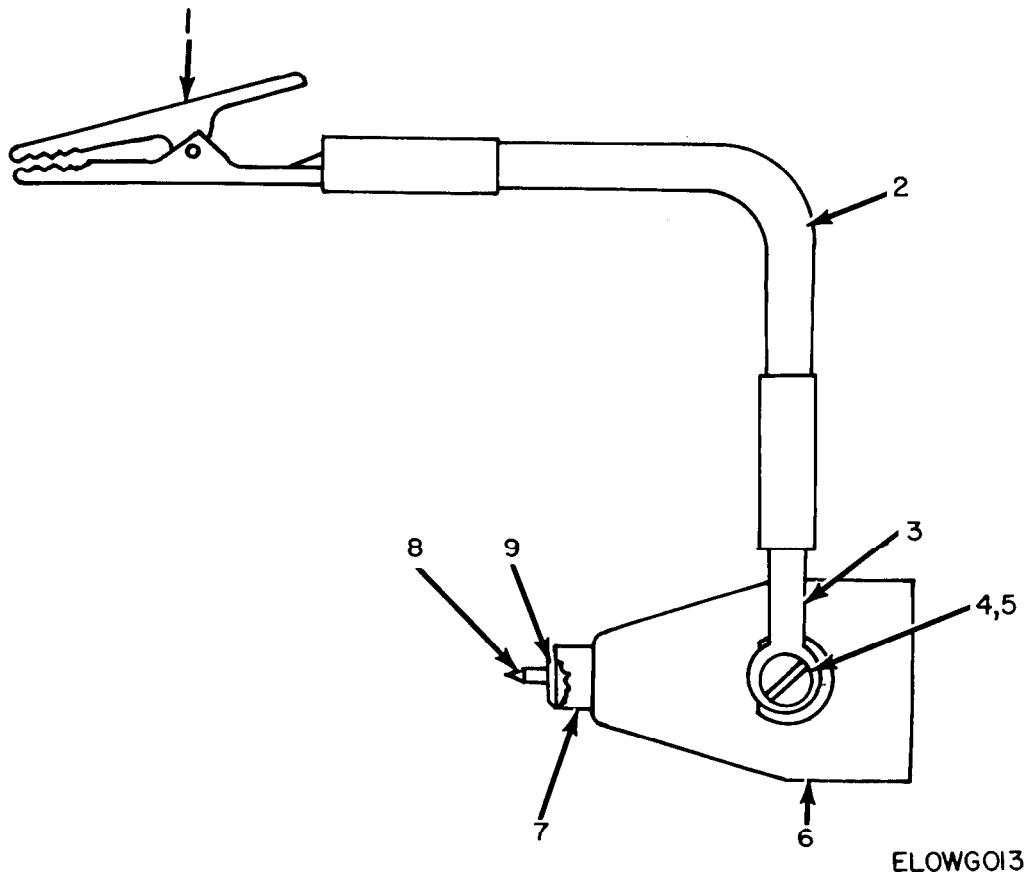


Figure 12. Probe Subassembly MX-4529/U.

| (1) ILLUSTRATION | | (2) | (3) | (4) | (5) | (6) DESCRIPTION <i>USABLE ON CODE</i> | (7) | (8) QTY INC IN UNIT |
|------------------------------------|--------------------|-------------|-----------------------------|-----------------|-------|---------------------------------------------|-----|---------------------------------|
| (a) FIG NO. | (b) ITEM NO. | SMR CODE | NATIONAL STOCK NUMBER | PART NUMBER | FSCM | | | |
| GROUP 03 PROBESUBASSEMBLYMX-4529/U | | | | | | | | |
| 12 | 1 | XDHZZ | | 30 | 76545 | CLIP,ELECTRICAL | EA | 1 |
| 12 | 2 | XDHZZ | | 571015 | 04901 | LEAD,ELECTRICAL | EA | 1 |
| 12 | 3 | XDHZZ | | 4029 | 77147 | TERMINAL,LUG | EA | 1 |
| 12 | 4 | XDHZZ | | SCRHBR2-56X3-32 | 04901 | SCREW,MACHINE | EA | 1 |
| 12 | 5 | PAHZZ | 5325-00-576-2154 | SE22 | 61957 | EYELET,METALLIC | EA | 1 |
| 12 | 6 | XDHZZ | | 771022 | 04901 | HOUSING,TIP | EA | 1 |
| 12 | 7 | XDHZZ | | 750138 | 04901 | INSULATOR TIP | EA | 1 |
| 12 | 8 | XDHZZ | | 822111 | 04901 | CONTACT,TIP | EA | 1 |
| 12 | 9 | XDHZZ | | 822108 | 04901 | CONTACT SPRING | EA | 1 |

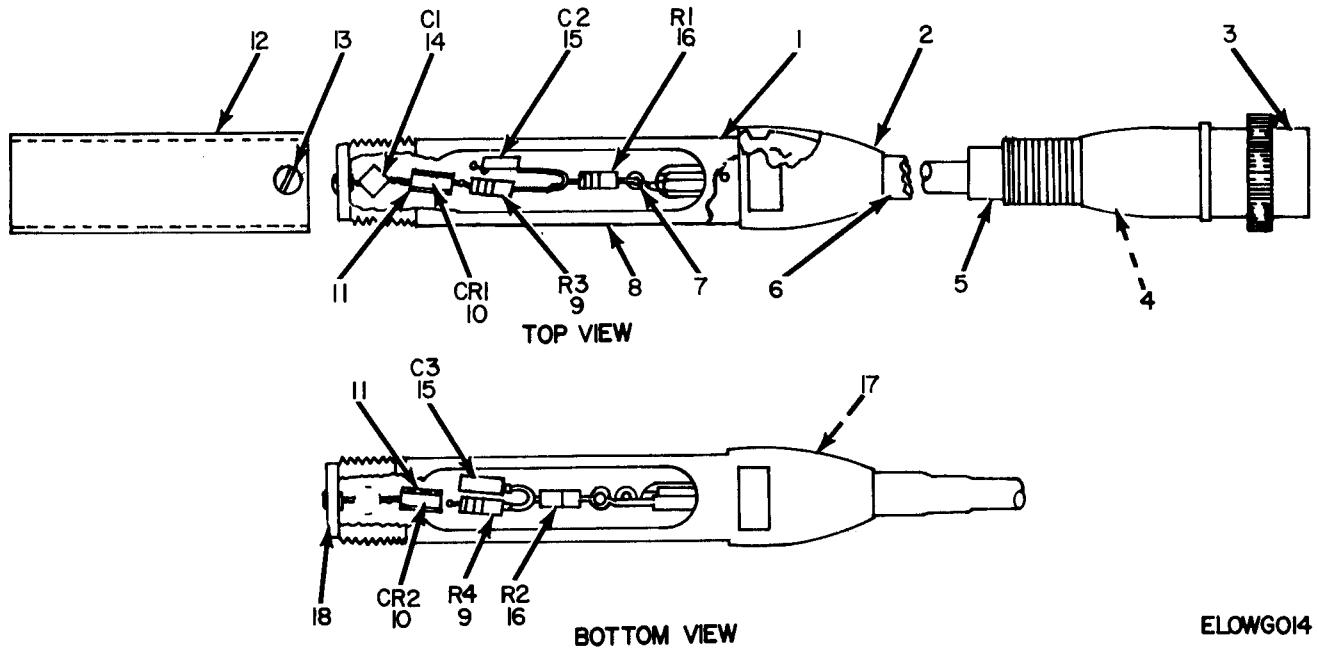


Figure 13. Lead, Test MX-4527/U.

| SECTION II ILLUSTRATION | | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
|-------------------------------|--------------------|-------------|-----------------------------|-----------------|-------|------------------------------|------------------|------|
| (A) FIG NO. | (B) ITEM NO. | SMR CODE | NATIONAL STOCK NUMBER | PART NUMBER | FSCM | DESCRIPTION | QTY INC IN | UNIT |
| GROUP 04 LEAD, TEST MX-4527/U | | | | | | | | |
| 13 | 1 | XDHZZ | | 091218 | 04901 | CABLE SUBASSEMBLY | EA | 1 |
| 13 | 2 | XDHZZ | | 091217 | 04901 | HOUSING SUBASSEMBLY | EA | 1 |
| 13 | 3 | PAHZZ | 5935-00-295-3365 | 80MC2MT | 02660 | CONNECTOR, PLUG, ELECTRICAL | EA | 1 |
| 13 | 4 | XDHZZ | | Y0C180HYRING | 09922 | FERRULE, CABLE | EA | 1 |
| 13 | 5 | XDHZZ | | 810026 | 94901 | FERRULE, CABLE | EA | 1 |
| 13 | 6 | XDHZZ | | Y1C219HYRING | 09922 | FERRULE, CABLE | EA | 1 |
| 13 | 7 | XDHZZ | | FTSM59 | 98291 | TERMINAL, STUD | EA | 4 |
| 13 | 8 | XDHZZ | | 812026 | 04901 | HOUSING, PROBE | EA | 1 |
| 13 | 9 | XDHZZ | | 300999 | 04901 | RESISTOR, FIXED, FILM | EA | 2 |
| 13 | 10 | PAHZZ | 5961-00-927-5387 | 530034 | 04901 | SEMICONDUCTOR DEVICE, DIODE | EA | 2 |
| 13 | 11 | XDHZZ | | 812063 | 04901 | SHIELD, DIODE | EA | 2 |
| 13 | 12 | XDHZZ | | 812030 | 04901 | SLEEVE HOUSING | EA | 1 |
| 13 | 13 | XDHZZ | | SCRBHBR2-56X1-8 | 04901 | SCREW, MACHINE | EA | 1 |
| 13 | 14 | XDHZZ | | 10497 | 93958 | CAPACITOR, FIXED, PLASTIC | EA | 1 |
| 13 | 15 | PAHZZ | 5910-00-777-1830 | 224115 | 04901 | CAPACITOR, FIXED, PLASTIC | EA | 2 |
| 13 | 16 | PAHZZ | 5905-00-909-3885 | CB1035 | 01121 | RESISTOR, FIXED, COMPOSITION | EA | 2 |
| 13 | 17 | XDHZZ | | 771010 | 04901 | FERRULE, PROBE | EA | 1 |
| 13 | 18 | XDHZZ | | 770123 | 04901 | INSULATOR, DISC | EA | 1 |

| STOCK NUMBER | FIGURE NO. | ITEM NO. | STOCK NUMBER | FIGURE NO. | ITEM NO. |
|------------------|---------------|-------------|------------------|---------------|-------------|
| 5310-00-019-0670 | 3 | 14 | 5325-00-286-2580 | 8 | 27 |
| 5310-00-019-0670 | 4 | 4 | 5935-00-295-3365 | 13 | 1 |
| 5905-00-059-3690 | 11 | 2 | 5905-00-415-1602 | 9 | 7 |
| 5310-00-062-6106 | 6 | 9 | 5960-00-503-4880 | 4 | 20 |
| 5340-00-062-6115 | 2 | 7 | 5960-00-545-5435 | 7 | 14 |
| 5905-00-062-6603 | 7 | 12 | 5935-00-546-7500 | 5 | 20 |
| 5935-00-062-6621 | 4 | 13 | 5310-00-568-7971 | 3 | 3 |
| 5935-00-062-7774 | 8 | 22 | 5325-00-576-2154 | 12 | 5 |
| 5910-00-071-3046 | 8 | 23 | 5310-00-579-0150 | 2 | 15 |
| 6625-00-072-8637 | 1 | 5 | 5940-00-581-3600 | 5 | 9 |
| 5910-00-081-6159 | 10 | 1 | 5940-00-581-3600 | 8 | 25 |
| 5905-00-121-9110 | 11 | 11 | 6130-00-583-9090 | 3 | 1 |
| 5940-00-155-7688 | 7 | 23 | 5905-00-586-9888 | 9 | 1 |
| 6240-00-155-8706 | 5 | 6 | 5905-00-587-0242 | 10 | 6 |
| 5940-00-156-7345 | 8 | 8 | 5905-00-690-9431 | 8 | 33 |
| 5355-00-160-7108 | 5 | 21 | 5905-00-700-0776 | 7 | 25 |
| 5960-00-166-7664 | 7 | 21 | 5960-00-711-6934 | 8 | 4 |
| 5910-00-170-5193 | 4 | 7 | 5910-00-719-4370 | 8 | 31 |
| 5940-00-171-0419 | 3 | 15 | 5910-00-726-3372 | 7 | 13 |
| 5905-00-171-2003 | 9 | 10 | 5961-00-758-6075 | 11 | 12 |
| 5905-00-190-8880 | 8 | 16 | 5910-00-777-1830 | 13 | 15 |
| 5905-00-190-8883 | 5 | 1 | 5910-00-797-9742 | 8 | 2 |
| 5905-00-190-8885 | 8 | 26 | 5910-00-797-9742 | 9 | 5 |
| 5905-00-192-0390 | 8 | 13 | 5910-00-797-9742 | 11 | 4 |
| 5905-00-192-0390 | 9 | 8 | 5905-00-809-5960 | 9 | 3 |
| 5905-00-192-0390 | 10 | 3 | 5960-00-813-5008 | 7 | 22 |
| 5905-00-192-0649 | 9 | 14 | 5910-00-840-2403 | 3 | 4 |
| 5905-00-192-0651 | 8 | 11 | 5910-00-889-4462 | 9 | 9 |
| 5905-00-192-0667 | 8 | 12 | 5930-00-892-9064 | 5 | 19 |
| 5905-00-192-0667 | 10 | 10 | 5920-00-892-9311 | 5 | 14 |
| 5910-00-194-7807 | 8 | 7 | 5910-00-893-5180 | 9 | 4 |
| 5905-00-195-6761 | 10 | 7 | 5910-00-893-5180 | 11 | 13 |
| 5920-00-199-9498 | 5 | 18 | 5910-00-899-3797 | 10 | 5 |
| 5950-00-226-3088 | 4 | 1 | 5905-00-909-3885 | 13 | 16 |
| 5910-00-227-0729 | 4 | 6 | 5961-00-927-5387 | 13 | 10 |
| 5905-00-249-4190 | 3 | 8 | 5905-00-929-4911 | 3 | 10 |
| 5935-00-257-7799 | 7 | 10 | 5905-00-936-1286 | 11 | 8 |
| 5935-00-259-9853 | 8 | 20 | 5910-00-944-9486 | 8 | 28 |
| 5310-00-261-6192 | 6 | 1 | 5910-00-955-5492 | 9 | 13 |
| 5960-00-264-3004 | 7 | 6 | 5930-00-970-1239 | 5 | 13 |
| 5905-00-279-1750 | 10 | 11 | 5945-00-970-1240 | 7 | 16 |
| 5905-00-279-1876 | 8 | 3 | 6625-00-970-6414 | 4 | 22 |
| 5905-00-279-1892 | 8 | 30 | 6625-00-970-6414 | 4 | 23 |
| 5905-00-279-2514 | 9 | 11 | 5935-00-970-6427 | 7 | 17 |
| 5905-00-279-2515 | 9 | 6 | 6625-00-973-2296 | 1 | 4 |
| 5905-00-279-2519 | 11 | 3 | 6625-00-973-2297 | 1 | 3 |
| 5905-00-279-2617 | 3 | 9 | 5935-00-975-3150 | 3 | 18 |
| 5905-00-279-3503 | 8 | 29 | 6625-00-983-8794 | 5 | 17 |
| 5325-00-286-2580 | 4 | 24 | 5910-00-993-1712 | 9 | 12 |

| PART NUMBER | FIG FSCM | ITEM NO | PART NUMBER | FSCM | |
|----------------|-------------|------------|----------------|----------------|-------|
| BP4 | 37942 | 8 | 7 | EB3335 | 1121 |
| BP6 | 37942 | 3 | 4 | EB3335 | 1121 |
| B22108 | 4901 | 12 | 9 | EB3345 | 1121 |
| CB1035 | 1121 | 13 | 16 | EB4735 | 1121 |
| CD1-2-2PR47-5K | 6668 | 11 | 9 | EB5625 | 1121 |
| CD1-2PR1-39K | 6668 | 11 | 7 | EB8225 | 1121 |
| CD1-2PR10K | 6668 | 9 | 3 | ET8-05 | 72982 |
| CD1-2PR30-1K | 6668 | 10 | 6 | FP230 | 37942 |
| CD1-2PR4-64K | 6668 | 11 | 5 | FP376-5 | 37942 |
| CD1-2PR5-11M | 6668 | 11 | 2 | FTSM59 | 98291 |
| CD1-2PR576K | 6668 | 8 | 19 | HKP | 71400 |
| CD1-2PR6-81 | 6668 | 11 | 8 | JA4N648S503UC | 1121 |
| CD1-2PR675 | 6668 | 11 | 6 | JA41040S2202UC | 1121 |
| CD1-2PR7-5K | 6668 | 10 | 8 | MDL1-2 | 71400 |
| CD1-2PR825K | 6668 | 9 | 1 | ME-247/U | 80058 |
| CD1-2PR845 | 6668 | 9 | 2 | ME-247A/U | 80058 |
| CE9 | 37942 | 3 | 19 | MX4527/U | 80058 |
| C203-9K5PCT | 16299 | 8 | 33 | MX4528U | 80058 |
| EB1055 | 1121 | 8 | 13 | MX4529/U | 80058 |
| EB1055 | 1121 | 9 | 8 | NUTBR4-40X1-4 | 4901 |
| EB1055 | 1121 | 10 | 3 | NUTBR4-40X1-4 | 4901 |
| EB1835 | 44655 | 10 | 15 | NUTBR6-32XU-4 | 4901 |
| EB2215 | 1121 | 10 | 9 | NUTBR6-32X1-4 | 4901 |
| EB2245 | 1121 | 8 | 12 | NUTBR6-32X1-4 | 4901 |
| EB2245 | 1121 | 10 | 10 | NUTBR6-32X1-4 | 4911 |
| EB2405 | 1121 | 10 | 11 | NUTBR8-32X3-8 | 4901 |

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

| PART NUMBER | FIG. FSCM | ITEM NO. | PART NUMBER | FIG. FSCM | ITEM NO. |
|------------------|--------------|-------------|----------------|--------------|-------------|
| NUTBR8-32X5-16 | 4901 | 3 | 12 | 1806-00 | 78189 3 |
| NUTBR8-32X5-16 | 4901 | 4 | 5 | 1904-00 | 78189 4 |
| P82922N13 | 656 | 10 | 5 | 1904-00 | 78189 7 |
| RC20GF100J | 81349 | 5 | 1 | 190400 | 78189 3 |
| RC20GF104J | 81349 | 10 | 7 | 1906-00 | 78189 4 |
| RC20GF122J | 81349 | 8 | 16 | 1906-00 | 78189 7 |
| RC20GF203J | 81349 | 9 | 14 | 1906-00 | 78189 8 |
| RC20GF204J | 81349 | 9 | 10 | | |
| RC20GF222J | 81349 | 8 | 3 | 1908-00 | 78189 3 |
| RC20GF225J | 81349 | 8 | 26 | 1908-00 | 78189 4 |
| | | | | 1910-00 | 78189 2 |
| RC20GF474J | 81349 | 9 | 6 | 192P10402 | 56288 9 |
| RC20GF564J | 81349 | 9 | 11 | 192P10402 | 56289 8 |
| | | | | 192P10402 | 56289 11 |
| RC20GF682J | 81349 | 8 | 29 | 192P22102 | 56289 8 |
| RC20GF685J | 81349 | 8 | 30 | 192P2292 | 56289 9 |
| RC32GF105J | 81349 | 3 | 9 | 192P33202 | 56289 8 |
| RC42GF203J | 81349 | 8 | 11 | 192P33352 | 56289 9 |
| RC42GF562J | 81349 | 3 | 8 | 192P47202 | 56289 8 |
| SCRBHBR2-56X1-8 | 4901 | 13 | 13 | 192P47392 | 56289 9 |
| SCRBHBR4-40X1-4 | 4901 | 3 | 5 | 1953-6B | 71616 3 |
| SCRBHBR4-40X1-4 | 4901 | 7 | 18 | 2102-06-00 | 78189 8 |
| SCRBHBR4-40X1-4 | 4901 | 8 | 21 | 2106-04-00 | 78189 7 |
| SCRBHBR4-40X14-4 | 4901 | 4 | 14 | 2163 | 83330 3 |
| SCRBHBR6-32X1-2 | 4901 | 2 | 10 | 224115 | 4901 13 |
| SCRBHBR6-32X3-16 | 4901 | 8 | 32 | 231-1059G3 | 94144 5 |
| SCRBHBR6-32X3-8 | 4901 | 6 | 5 | 30 | 76545 12 |
| SCRBHBR6-32X5-16 | 4901 | 3 | 21 | 300999 | 4901 13 |
| SCRBHBR6-32X5-16 | 4901 | 7 | 9 | 3048B | 84970 3 |
| SCRBHBR6-32X5-16 | 4901 | 8 | 10 | 310-1 | 76493 4 |
| SCRBHBR6-32X7-8 | 4901 | 3 | 22 | 334 | 79963 5 |
| SCRBHBR6-32X9-16 | 4901 | 2 | 8 | 334 | 79963 8 |
| SCRBHBR8-32X3-8 | 4901 | 6 | 6 | 34-0756A | 10582 7 |
| SCRBHBR8-32X5-16 | 4901 | 4 | 2 | 34-5188 | 10582 7 |
| SCRBHST6-32X3-8 | 4901 | 2 | 11 | 34-5202A | 10582 7 |
| SCRBH8-32-21-4 | 4901 | 3 | 13 | 34-5203B | 10582 7 |
| SCRFBRR8-32X3-8 | 4901 | 6 | 12 | 34-5204A | 10582 7 |
| SCRHBR6-32X1-4 | 4901 | 3 | 16 | 34-7681B | 10582 7 |
| SCRHHBR2-56X3-32 | 4901 | 12 | 4 | 4008-14-00 | 78189 6 |
| SCRHHBR6-32X1-4 | 4901 | 4 | 9 | 402 | 71785 7 |
| SE22 | 61957 | 12 | 5 | 402 | 71785 8 |
| SR5P | 28520 | 4 | 12 | 4029 | 77147 12 |
| TE1100 | 56289 | 8 | 17 | 44C12827 | 71785 8 |
| TE1100 | 56289 | 9 | 4 | 446016 | 4901 4 |
| TE1100 | 56289 | 11 | 13 | 466145 | 4901 5 |
| TE1303 | 56289 | 10 | 1 | 47 | 8806 5 |
| TS103U02 | 81349 | 7 | 6 | 472118 | 4901 7 |
| WP200 | 37942 | 4 | 7 | 486107 | 4901 5 |
| X2080C | 71279 | 9 | 17 | 486155 | 4901 9 |
| X2080C | 71279 | 10 | 13 | 486155 | 4901 10 |
| X947-2 | 71277 | 8 | 1 | 53C13244 | 71785 4 |
| Y0C180HYRING | 9922 | 13 | 4 | 53C18984 | 71785 8 |
| Y1C219HYRING | 9922 | 13 | 6 | 530034 | 4901 13 |
| 0A2 | 81349 | 4 | 20 | 530040 | 4901 11 |
| 1304 | 4901 | 6 | 10 | 540113 | 4001 7 |
| 91217 | 4901 | 13 | 2 | 541 | 79963 4 |
| 91218 | 4901 | 13 | 3 | 541 | 79963 8 |
| 91302 | 4901 | 1 | 2 | 554139 | 4901 5 |
| 91312 | 4901 | 7 | 20 | 568101 | 4901 4 |
| 91313 | 4901 | 8 | 14 | 570123 | 4901 6 |
| 91314 | 4901 | 5 | 23 | 571015 | 4901 12 |
| 91315 | 4901 | 1 | 1 | 6A06WB | 81349 7 |
| 91316 | 4901 | 2 | 12 | 6X4 | 58854 4 |
| 1N600 | 99180 | 10 | 2 | 600220 | 4901 2 |
| 10W10315PCT | 2642 | 3 | 10 | 601115 | 4901 7 |
| 1042 | 72653 | 4 | 24 | 601136 | 4901 4 |
| 1042 | 72653 | 8 | 27 | 602102 | 4901 7 |
| 1043 | 72653 | 6 | 15 | 602364 | 4901 6 |
| 1043-1 | 72653 | 6 | 11 | 602365-1 | 4901 6 |
| 10497 | 93958 | 13 | 14 | 700210 | 4901 6 |
| 110-63 | 73559 | 5 | 19 | 700212 | 4901 11 |
| 12AX7 | 81349 | 7 | 21 | 7199 | 49671 7 |
| 1246C3-8 | 71279 | 9 | 16 | 730139 | 4901 7 |
| 1246C3-8 | 71279 | 10 | 14 | 730235 | 4901 4 |
| 1334 | 70485 | 2 | 7 | 745100 | 4901 4 |
| 1400 | 72512 | 5 | 21 | 745141 | 4901 5 |
| 14167 | 71785 | 8 | 20 | 745174 | 4901 2 |
| 1467AP27 | 71785 | 5 | 4 | 750138 | 4901 12 |
| 1513A | 71785 | 3 | 15 | 750181 | 4901 2 |
| 1724-3 | 71279 | 5 | 5 | 77M1P11 | 2660 3 |

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

| PART NUMBER | FSCM | FIG. NO. | ITEM NO. | PART NUMBER | FSCM | FIG. NO. | ITEM NO. |
|----------------|-------|-------------|-------------|----------------|-------|-------------|-------------|
| 770123 | 4901 | 13 | 18 | 812063 | 4901 | 13 | 11 |
| 771010 | 4901 | 13 | 17 | 82198832 | 6540 | 6 | 9 |
| 771022 | 4901 | 12 | 6 | 822111 | 4901 | 12 | 8 |
| 780126 | 4901 | 2 | 6 | 840110 | 4901 | 4 | 3 |
| 780130 | 4901 | 2 | 16 | 840124 | 4901 | 5 | 8 |
| 780133 | 4901 | 2 | 2 | 840132 | 4901 | 5 | 12 |
| 793126 | 4901 | 6 | 8 | 840163 | 4901 | 2 | 13 |
| 793143 | 4901 | 2 | 3 | 843010 | 4901 | 4 | 18 |
| 796111 | 4901 | 2 | 4 | 843010 | 4901 | 5 | 2 |
| 80MC2MT | 2660 | 13 | 1 | 843021 | 4901 | 6 | 4 |
| 80PC2FT | 2660 | 5 | 20 | 86PM11-11 | 2660 | 7 | 10 |
| 810026 | 94901 | 13 | 5 | 98B1 | 71785 | 8 | 4 |
| 812026 | 4901 | 13 | 8 | 9630BA0632 | 6540 | 6 | 13 |
| 812030 | 4901 | 13 | 12 | | | | |

LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

| STOCK NUMBER | FIG. NO. | ITEM NO. | STOCK NUMBER | FIG. NO. | ITEM NO. |
|------------------|-------------|-------------|------------------|-------------|-------------|
| 5905-00-111-8357 | 10 | 4 | 5310-00-754-4399 | 8 | 9 |
| 5905-00-246-9396 | 5 | 11 | 5905-00-802-7499 | 10 | 15 |
| 5960-00-272-9182 | 4 | 17 | 6625-00-817-8908 | 1 | 6 |
| 5310-00-634-9784 | 3 | 11 | 5910-00-893-5180 | 8 | 17 |
| 5310-00-754-4399 | 4 | 10 | 5905-00-909-4234 | 10 | 16 |
| 5310-00-754-4399 | 7 | 8 | 5905-00-909-4234 | 11 | 10 |

LATEST PART NUMBER ASSIGNMENTS

| PART NUMBER | FSCM | FIG. NO. | ITEM NO. |
|----------------|-------|-------------|-------------|
| RCR20G226JS | 81349 | 5 | 11 |
| RCR20G681JS | 81349 | 10 | 4 |
| 1906-00 | 78189 | 3 | 17 |

ADDITIONAL LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

| STOCK NUMBER | FIG. NO. | ITEM NO. |
|------------------|-------------|-------------|
| 5355-00-160-7108 | 5 | 22 |
| 5310-00-939-1061 | 4 | 15 |
| 5310-00-939-1061 | 7 | 5 |

ADDITIONAL LATEST PART NUMBER ASSIGNMENTS

| PART NUMBER | FSCM | FIG. NO. | ITEM NO. |
|----------------|-------|-------------|-------------|
| HK3 | 80053 | 5 | 22 |
| MS35333-104 | 96906 | 4 | 15 |
| MS35333-104 | 96906 | 7 | 5 |

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| SW Colleges (1) | USAERDAW (1) |
| USASIGS (5) | Unite org under fol TOE: (1 cy each unit) |
| USAADS (2) | 11-97 |
| USAFAS (20) | 11-98 |
| USAARMS (20) | 11-117 |
| USAIS (2) | 11-127 |
| USAES (2) | 11-500 (AA-AC) |
| USAICS (3) | |
| MAAG (1) | |

NG: State AG (3)

USAR: None

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

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DATE

TITLE

TM 11-5840-340-12

23 Jan 74

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:

TEAR ALONG DOTTED LINE

PAGE NO. PARA-GRAPH FIGURE NO. TABLE NO.

2-25

2-28

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 20 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.

3-10

3-3

3-1

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.

5-6

5-8

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

REASON: To replace the cover plate.

FO3

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.

TYPED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SSG I. M. DeSpiritof 999-1776

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NO.

PARA

FIGURE

ABLE

TEAR ALONG DOTTED LINE

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1 PAGE

TITLE

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

| PAGE NO. | PARA- GRAPH | FIGURE NO. | TABLE NO. |
|-------------|----------------|---------------|--------------|
|-------------|----------------|---------------|--------------|

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

| PAGE NO. | PARA-GRAPH | FIGURE NO. | TABLE NO. |
|----------|------------|------------|-----------|
|----------|------------|------------|-----------|

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FOLD BACK

THE METRIC SYSTEM AND EQUIVALENTS

WEAR MEASURE

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

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

$5/9(F - 32) = ^\circ C$
 212° Fahrenheit is equivalent to 100° Celsius

90° Fahrenheit is equivalent to 32.2° Celsius

32° Fahrenheit is equivalent to 0° Celsius

$9/5C + 32 = ^\circ F$

APPROXIMATE CONVERSION FACTORS

TO CHANGE

Inches.....
 Feet.....
 Yards.....
 Miles.....
 Square Inches.....
 Square Feet.....
 Square Yards.....
 Square Miles.....
 Acres.....
 Cubic Feet.....
 Cubic Yards.....
 Fluid Ounces.....
 nts.....
 arts.....
 allons.....
 Ounces.....
 Pounds.....
 Short Tons.....
 Pound-Feet.....
 Pounds per Square Inch.....
 Miles per Gallon.....
 Miles per Hour.....

TO

Centimeters.....
 Meters.....
 Meters.....
 Kilometers.....
 Square Centimeters.....
 Square Meters.....
 Square Meters.....
 Square Kilometers.....
 Square Hectometers.....
 Cubic Meters.....
 Cubic Meters.....
 Milliliters.....
 Liters.....
 Liters.....
 Liters.....
 Grams.....
 Kilograms.....
 Metric Tons.....
 Newton-Meters.....
 Kilopascals.....
 Kilometers per Liter.....
 Kilometers per Hour.....

MULTIPLY BY

2.540
 0.305
 0.914
 1.609
 6.451
 0.093
 0.836
 2.590
 0.405
 0.028
 0.765
 29.573
 0.473
 0.946
 3.785
 28.349
 0.454
 0.907
 1.356
 6.895
 0.425
 1.609

TO CHANGE

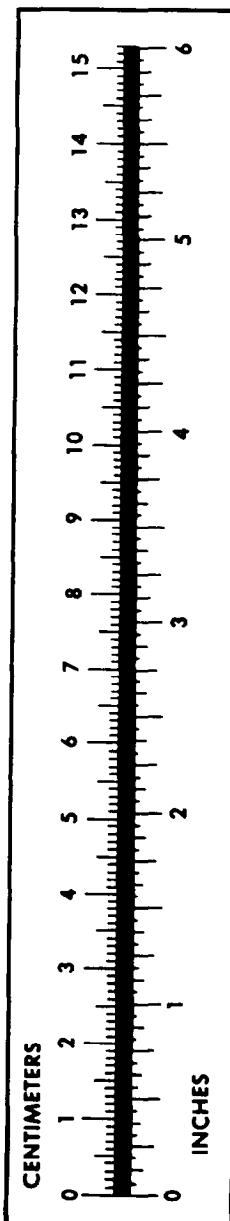
Centimeters.....
 Meters.....
 Meters.....
 Kilometers.....
 Square Centimeters.....
 Square Meters.....
 Square Meters.....
 Square Kilometers.....
 Square Hectometers.....
 Cubic Meters.....
 Cubic Meters.....
 Milliliters.....
 Liters.....
 Liters.....
 ers.....
 ms.....
 ograms.....
 Metric Tons.....
 Newton-Meters.....
 Kilopascals.....
 Kilometers per Liter.....
 Kilometers per Hour.....

TO

Inches.....
 Feet.....
 Yards.....
 Miles.....
 Square Inches.....
 Square Feet.....
 Square Yards.....
 Square Miles.....
 Acres.....
 Cubic Feet.....
 Cubic Yards.....
 Fluid Ounces.....
 Pints.....
 Quarts.....
 Gallons.....
 Ounces.....
 Pounds.....
 Short Tons.....
 Pounds-Feet.....
 Pounds per Square Inch.....
 Miles per Gallon.....
 Miles per Hour.....

MULTIPLY BY

0.394
 3.280
 1.094
 0.621
 0.155
 10.764
 1.196
 0.386
 2.471
 35.315
 1.308
 0.034
 2.113
 1.057
 0.264
 0.035
 2.205
 1.102
 0.738
 0.145
 2.354
 0.621



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