

TECHNICAL MANUAL

**ORGANIZATIONAL MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LIST
FOR
POWER SUPPLY PP-6148/U
(NSN 6130-01-062-3618)**

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FOR
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(NSN 6130-01-062-3618)**

Current as of 15 February 1987

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*This manual supersedes TM 11-6130-356-20P, 12 November 1981.

SECTION I

INTRODUCTION

1. Scope

This manual lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of organizational maintenance of the PP-6148/U. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the source, maintenance and recoverability (SMR) codes.

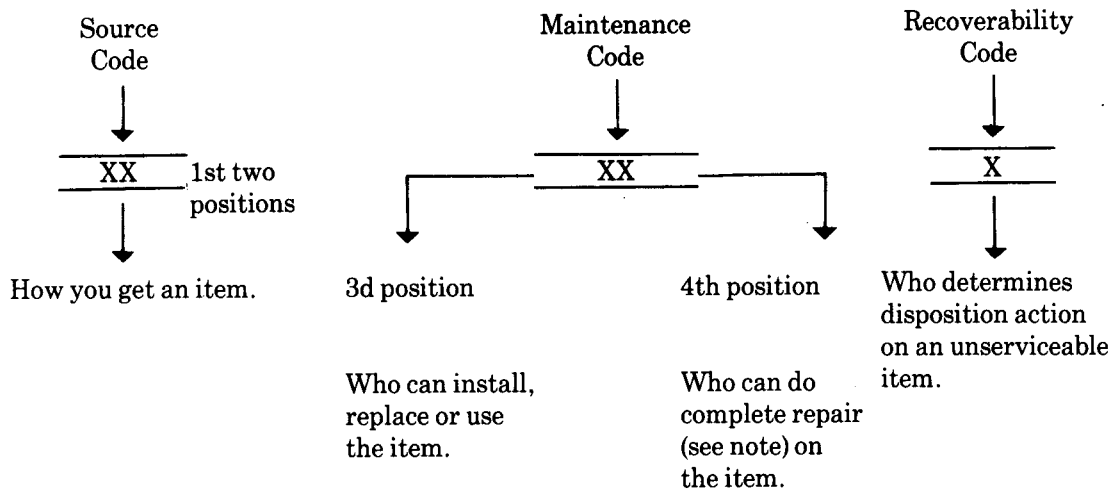
2. General

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

- a. *Section II. Repair Parts List.* A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending numeric sequence, with the parts in each group listed in ascending item number sequence. Figure numbers are listed directly beneath the group header.
- 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 numbered items appearing in the listing, followed by a list in alphanumeric 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 (Section II and III)

- a. *Item No. (Column (1)).* Indicates the number used to identify items called out in the illustration.
- b. *SMR Code (Column (2)).* The source, maintenance, and recoverability (SMR) code is a five-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instruction, as shown in the following breakout:



NOTE

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

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

Code

Explanation

PA
PB
PC
PD
PE
PF
PG

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

NOTE

KD
KF
KB

Items coded PC are subject to deterioration.

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

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

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

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

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

Code

Explanation

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

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

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

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

NOTE

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

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

- (a) The maintenance code entered in the third position tells you the lowest maintenance category authorized

to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to one of the following categories of maintenance.

Code Application/Explanation

C-Crew or operator maintenance done within organizational or aviation maintenance.

O-Organizational or aviation unit category can remove, replace, and use the item.

F-Direct support or aviation intermediate category can remove, replace, and use the item.

H-General support category can remove, replace, and use the item.

L-Specialized repair activity can remove, replace, and use the item.

D-Depot category can remove, replace, and use the item.

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

NOTE

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

Code Application/Explanation

O-Organizational or aviation unit is the lowest category that can do complete repair of the item.

F-Direct support or aviation intermediate is the lowest category that can do complete repair of the item.

H-General support is the lowest category that can do complete repair of the item.

L-Specialized repair activity (designate the specialized repair activity) is the lowest category that can do complete repair of the item.

D-Depot is the lowest category that can do complete repair of the item.

Z-Nonreparable. No repair is authorized.

B-No repair is authorized. (No parts or special tools are authorized for the maintenance of a "B" coded item). However, the item may be reconditioned by adjusting, lubricating, etc., at the user category.

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

Recoverability

codes Application/Explanation

Z-Nonreparable Item. When unserviceable, condemn and dispose of the item at the category of maintenance shown in the third position of SMR Code.

O-Reparable item. When uneconomically repairable, condemn and dispose of the item at organizational or aviation unit category

F-Reparable item. When uneconomically repairable, condemn and dispose of the item at direct support or aviation intermediate category.

H-Reparable item. When uneconomically repairable, condemn and dispose of the item at general support category.

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

L-Reparable item. Condemnation and disposal not authorized below specialized repair activity (SRA).

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

c. *FSCM(Column 3).* The Federal Supply Code for Manufacturer (FSCM) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

d. *Part Number (Column 4).* Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

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

e. *Description and Usable on Code (UOC) (Column 5).* This column includes the following information.

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

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

f. *Qty (Column 6).* Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that the quantity is variable and the quantity may vary from application to application.

4. Explanation of Columns (Section IV)

a. National Stock Number (NSN) Index.

(1) *Stock number column.* This column lists the NSN by National item identification number (NIIN) sequence.

The NIIN consists of the last nine digits of the NSN. When using this column to locate an item, ignore the first four digits of the NSN. When requisitioning items use the complete NSN (13 digits).

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

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

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

(1) *FSCM column.* This column lists the Federal supply code for manufacturer (FSCM).

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

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

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

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

5. Special Information

a. *Associated Publications.* The publication listed below pertains to the PP-6148/U and its components:

TM 11-6130-356-12, Power Supply PP-6148/U

b. *Illustrations - Listing.* The illustrations in this RPSTL are identical to those published in TM 11-6130-356-34P. Only those parts coded "C" or "O" in the third position of the SMR code are listed in the tabular listing; therefore, there may be a break in the item number sequence, figure number and page number. Only illustrations containing organizational or aviation unit authorized items appear in this RPSTL.

c. *National Stock Numbers.* National stock numbers (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 Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-MM, Fort Monmouth, NJ 07703-5000 for the part required to support your equipment.

6. How to Locate Repair Parts

a. .When National stock number or part number is not known.

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

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

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

(4) *Fourth.* Refer to the Repair Parts List for the figure to find the part number for the item number noted on the figure.

(5) *Fifth.* Refer to the Part Number Index to find the NSN, if assigned.

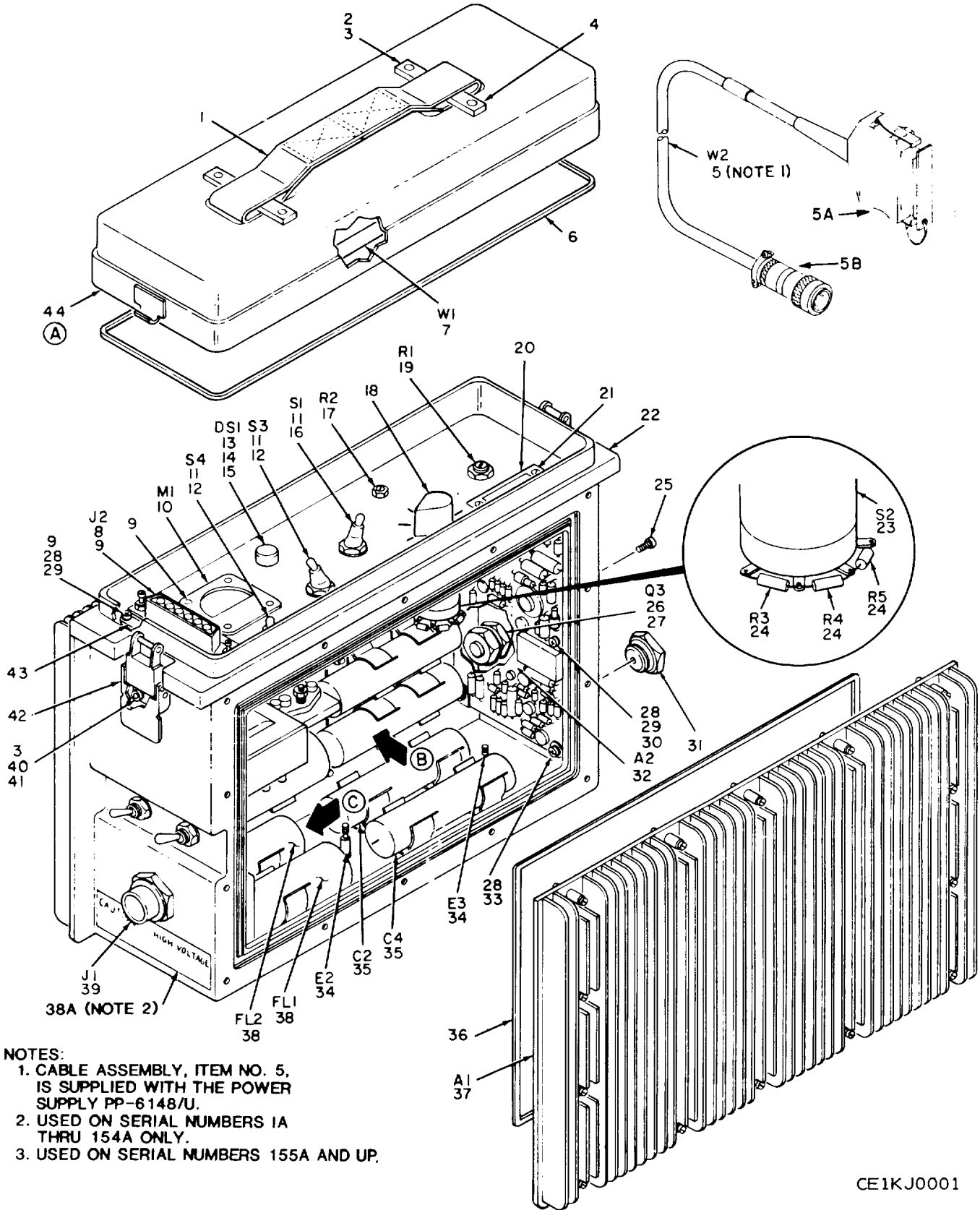
b. When National stock number or part number is known.

(1) *First.* Using the index of National stock numbers and part numbers, find the pertinent National stock number or part number. The NSN index is in National item identification number (NIIN) sequence (para 4a(1)). The part numbers in the part number index are listed in ascending alphanumeric sequence (para 4b). Both indexes cross-reference you to the illustration figure and item number of the item you are looking for.

(2) *Second.* After finding the figure and item number, verify that the item is the one you're looking for, then locate the item number in the repair parts list for the figure.

7. Abbreviations

Not applicable.



- NOTES:
- 1. CABLE ASSEMBLY, ITEM NO. 5, IS SUPPLIED WITH THE POWER SUPPLY PP-6148/U.
 - 2. USED ON SERIAL NUMBERS IA THRU 154A ONLY.
 - 3. USED ON SERIAL NUMBERS 155A AND UP.

Figure 1. Power Supply PP-6148/U (Sheet 1 of 2)

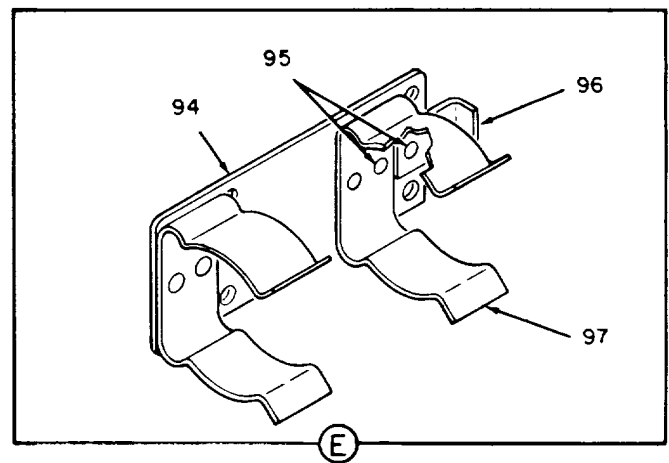
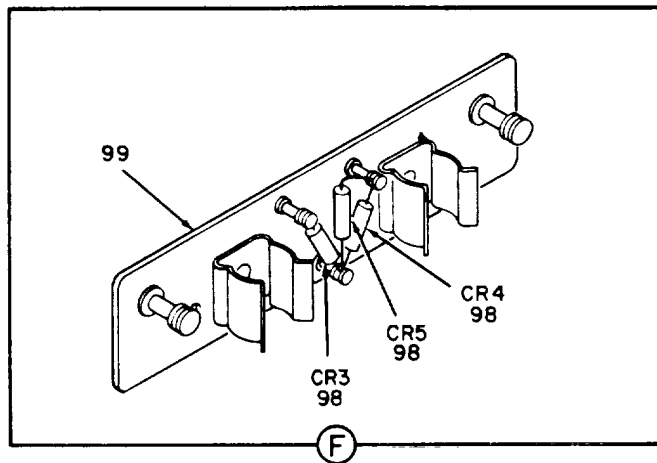
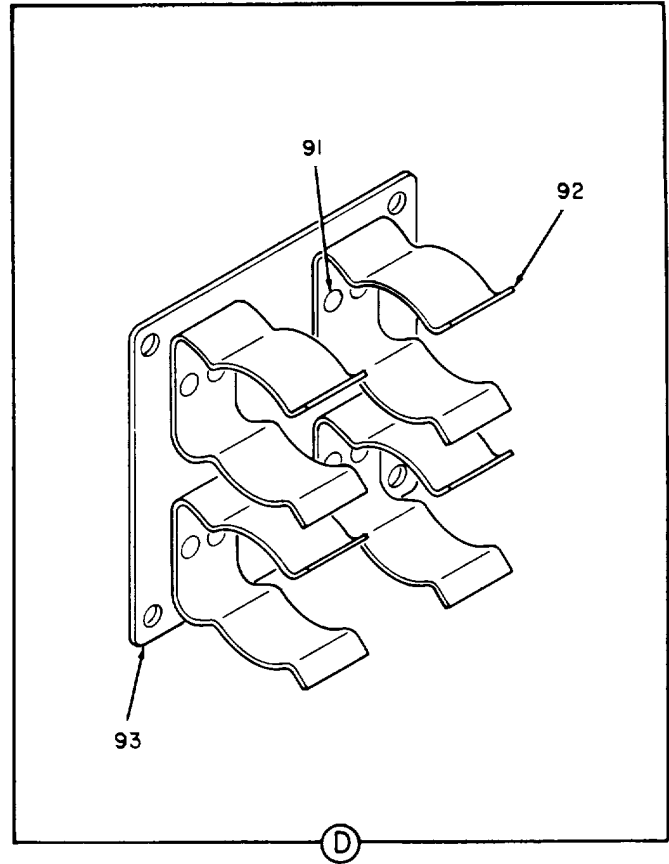
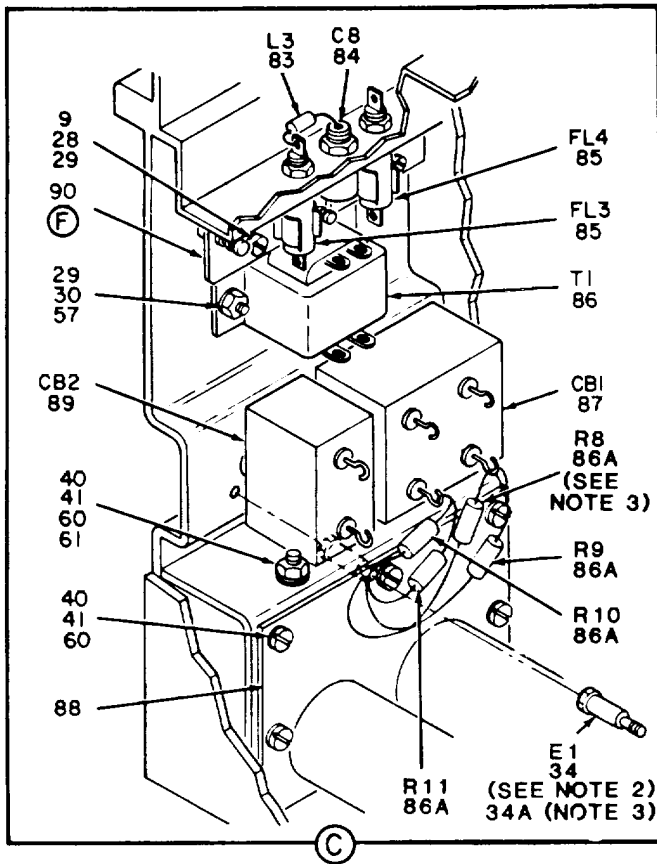
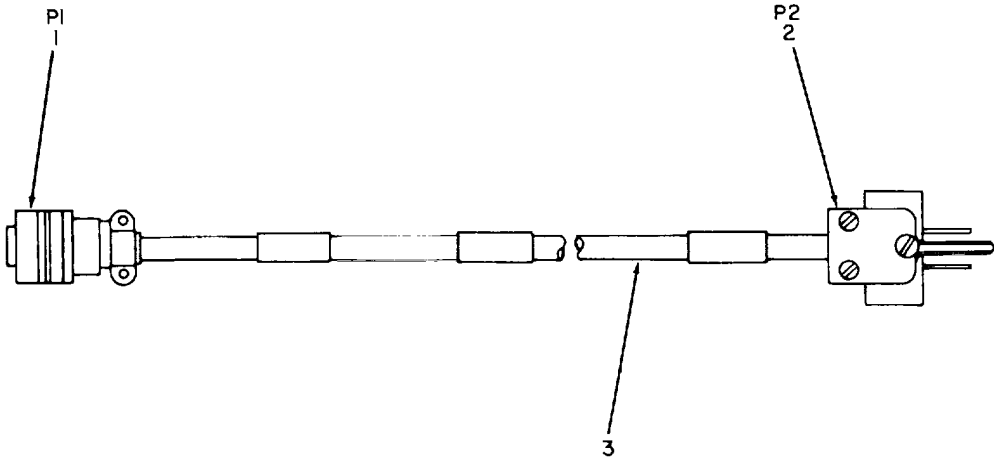
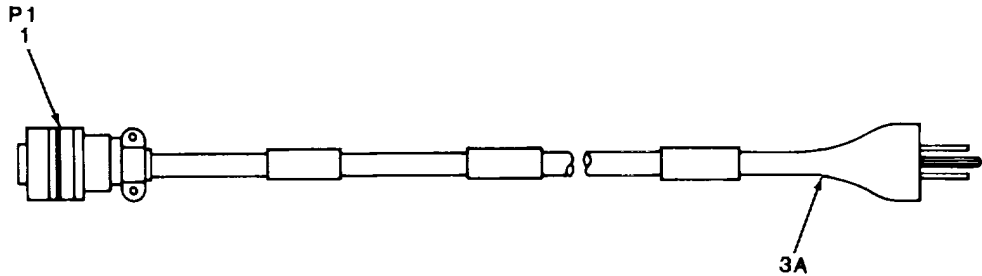


Figure 1. Power Supply PP-6148/U (Sheet 2 of 2)

| SECTION II | | | | | |
|---------------------------------|-------|-------|--------------|--|-----|
| (1) | (2) | (3) | (4) | (5) | (6) |
| ITEM | SMR | FSCM | PART | DESCRIPTION AND USABLE ON CODES (UOC) | QTY |
| NO | CODE | | NUMBER | | |
| GROUP 00 POWER SUPPLY PP-6148/U | | | | | |
| FIG. 1 | | | | | |
| 5 | PAOZZ | 80063 | C5067126 | CABLE ASSEMBLY | 1 |
| 5A | PAOZZ | 09922 | MS3116J14-5P | CONNECTOR (SM) | 1 |
| 7 | MDOOO | 80063 | SM-D-595316 | CABLE ASSY,SP,ELEC MAKE FROM 81349..... P/N C0-03M0F93/18)0340..... | 1 |
| 13 | XBOZZ | 81349 | LC35/N2 | LENS, INDICATOR LT..... | 1 |
| 14 | PAOZZ | 81349 | LH89/1 | LIGHT, INDICATOR | 1 |
| 15 | PAOZZ | 96906 | MS25237-327 | LAMP, INCANDESCENT..... | 1 |
| 18 | PAOZZ | 96906 | MS91528-1P4B | KNOB..... | 1 |
| 38A | XBOZZ | 57945 | C5067133-102 | DECAL | 1 |
| 86A | XBOZZ | 81349 | RCR20G514JS | RESISTOR, FIXED, COMP | 4 |
| END OF FIGURE | | | | | |



(THIS CONFIGURATION USED ON CONTRACT EC8)



(THIS CONFIGURATION USED ON CONTRACT FWQ)

PREFIX ALL REFERENCE DESIGNATIONS WITH W1.

CEIKJ002

Figure 7. Cable Assembly, Special Purpose, Electrical AC (W-1)

SECTION II

TM11-6130-356-20P

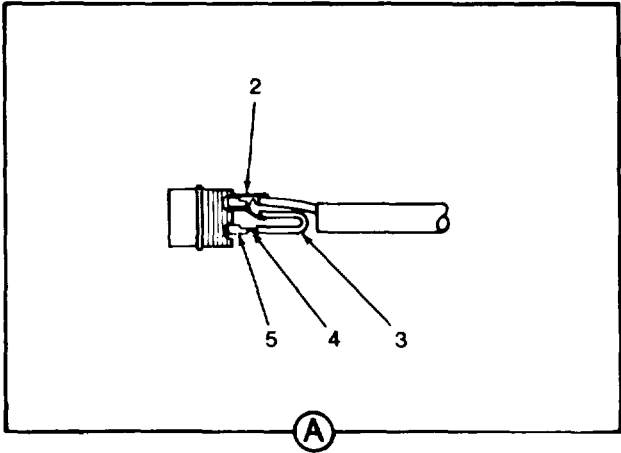
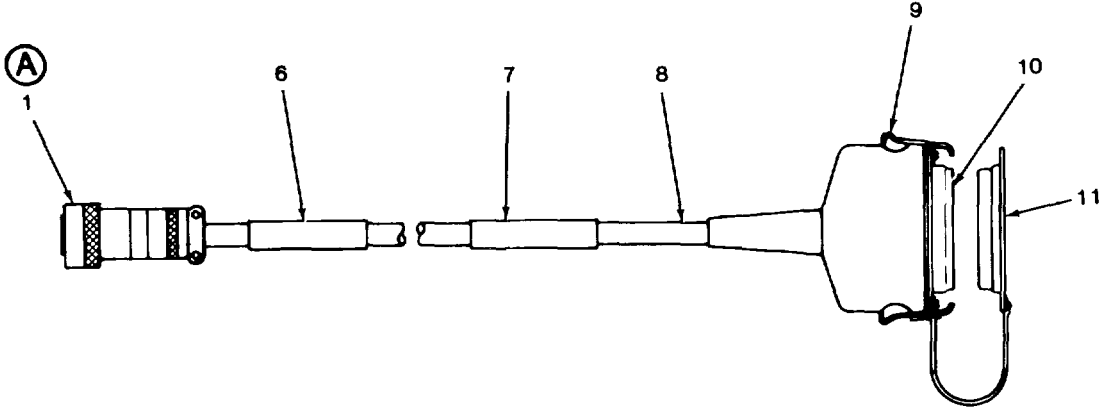
| (1) ITEM NO | (2) SMR CODE | (3) FSCM | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES (UOC) | (6) QTY |
|-------------------|--------------------|-------------|-----------------------|--|------------|
|-------------------|--------------------|-------------|-----------------------|--|------------|

GROUP 0401 CABLE ASSEMBLY, SPECIAL
PURPOSE,ELECTRICAL,
AC (W-1)

FIG. 7 CABLE GROUP 04

| | | | | | |
|----|-------|-------|------------------------|---------------------------|---|
| 1 | PAOZZ | 96906 | MS3116F12-3S | CONNECTOR,PLUG,ELEC..... | 1 |
| 2 | PAOZZ | 81348 | WC596-13-3 | CONNECTOR,PLUG,ELEC | 1 |
| 3 | XBOZZ | 71102 | CO-03MOF(3/18)03 40 | CABLE,SP,ELECTRICAL | V |
| 3A | XBOZZ | 81349 | M28777/5-1 | CABLE ASSY,SP,ELEC..... | V |

END OF FIGURE



CEIKJ003

Figure 8. Cable Assembly, Special Purpose, Electrical, Battery Charger (W-2)

SECTION II

TM11-6130-356-20P

| (1) ITEM NO | (2) SMR CODE | (3) FSCM | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES (UOC) | (6) QTY |
|-------------------|--------------------|-------------|------------------------|---|------------|
| | | | | GROUP 0402 CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BATTERY CHARGER (W-2) | |
| | | | | FIG. 8 CABLE GROUP 04 | |
| 1 | PAOZZ | 96906 | MS3116J14-5P | CONNECTOR,PLUG,ELEC..... | 1 |
| 2 | XBOZZ | 81349 | MIL-I-23053/6-30 | INSULATION | V |
| 3 | XBOZZ | 80063 | SM-B-583235-010 | WIRE,ELECTRIC | V |
| 4 | XBOZZ | 80063 | SM-B-583349-066 | WIRE ,ELECTRICAL | V |
| 5 | PAOZZ | 18310 | 10-455-4-01 | CONTACT,ELECTRIC | 2 |
| 6 | XBOZZ | 57945 | C5067138-01 | SLEEVE,MARK | 1 |
| 7 | XBOZZ | 81349 | MIL-P-15024/8 | BAND,IDENTIFICATION | V |
| 8 | XAOZZ | 81349 | CO-02MDF/2/14/04 00 | CABLE,SP,ELECT..... | V |
| 9 | PAOZZ | 80063 | SCL-6028/5 | LOCKING DEVICE | 2 |
| 10 | XAOZZ | 80063 | SCL-6028/4 | CONN,RCPT,ELEC | 1 |
| 11 | PAOZZ | 80063 | SCL-6028/8 | DUST CAP,ELECTRICAL | 1 |

END OF FIGURE

SECTION IV

TM11-6130-356-20P

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

| NATIONAL STOCK NUMBER | FIGURE NO.. | ITEM NO. | NATIONAL STOCK NUMBER | FIGURE NO. | ITEM NO. |
|------------------------------|--------------------|-----------------|------------------------------|-------------------|-----------------|
| 5355-00-020-3511 | 1 | 18 | | | |
| 6240-00-155-7836 | 1 | 15 | | | |
| 6210-00-176-4928 | 1 | 14 | | | |
| 5935-00-901-8871 | 7 | 1 | | | |
| 5935-01-005-3579 | 7 | 2 | | | |
| 5995-01-237-1352 | 1 | 5 | | | |

**NATIONAL STOCK NUMBER AND PART NUMBER INDEX
PART NUMBER INDEX**

| FSCM | PART NUMBER | STOCK NUMBER | FIG. | ITEM |
|-------------|------------------------|---------------------|-------------|-------------|
| 81349 | CO-02MDF/2/14/04 00 | | 8 | 8 |
| 71102 | CO-03MOF(3/18)03 40 | | 7 | 3 |
| 80063 | C5067126-02 | 5995-01-237-1352 | 1 | 5 |
| 57945 | C5067133-102 | | 1 | 38A |
| 57945 | C5067138-01 | | 8 | 6 |
| 81349 | LC35/N2 | | 1 | 13 |
| 81349 | LH89/1 | 6210-00-176-4928 | 1 | 14 |
| 81349 | MIL-I-23053/6-30 | | 8 | 2 |
| 81349 | MIL-P-15024/8 | | 8 | 7 |
| 96906 | M525237-327 | 6240-00-155-7836 | 1 | 15 |
| 96906 | MS3116F12-35 | 5935-00-901-8871 | 7 | 1 |
| 09922 | MS3116J14-5P | | 1 | 5A |
| | | | 8 | 1 |
| 96906 | MS91528-1P4B | 5355-00-020-3511 | 1 | 18 |
| 81349 | M28777/5-1 | | 7 | 3A |
| 81349 | RCR20G514JS | | 1 | 86A |
| 80063 | SCL-6028/4 | | 8 | 10 |
| 80063 | SCL-6028/5 | | 8 | 9 |
| 80063 | SCL-6028/8 | | 8 | 11 |
| 80063 | SM-B-583235-010 | | 8 | 3 |
| 80063 | SM-B-583349-066 | | 8 | 4 |
| 80063 | SM-D-595316 | | 1 | 7 |
| 81348 | WC596-13-3 | 5935-01-005-3579 | 7 | 2 |
| 18310 | 10-455-4-01 | | 8 | 5 |

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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 : 050073-000