

TECHNICAL MANUAL

**AVIATION UNIT AND AVIATION
INTERMEDIATE MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST**

**TESTER, OXYGEN MASK,
HEADSET, MICROPHONE
AND FLASH GOGGLES**

**TYPE MQ-1A, PN 1854
NSN 6695-01-097-0441**

**HEADQUARTERS, DEPARTMENT OF THE ARMY
5 SEPTEMBER 1986**

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NO. 1 }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D. C., 11 July 1988

Technical Manual

Aviation Unit and Aviation Intermediate Maintenance
Repair Parts and Special Tools List

For

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AND FLASH GOGGLES
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1-1 through 2-2
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 DEPARTMENT OF THE ARMY
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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, US Army Aviation Systems Command, ATTN: AMSAV-MPSD, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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Section I. INTRODUCTION

1. Scope. This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of aviation unit and aviation intermediate maintenance of the Tester, Oxygen Mask. 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. In addition to Section I, Introduction, this Repair Parts and Special Tools List is divided in- to 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 alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed in item name sequence. Repair parts kits are listed separately in their own functional group within Section II. Repair parts for repairable special tools are also listed in this section. Items listed are shown on the associated illustration(s)/figure(s).

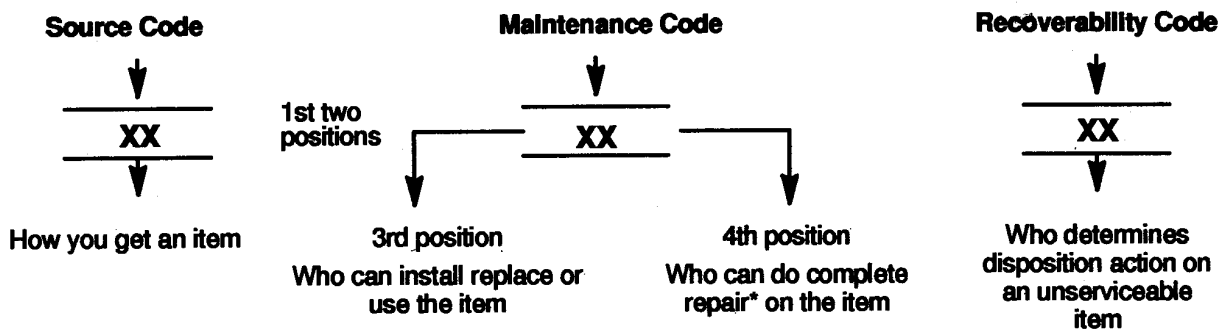
b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance. (Not applicable)

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 (Sections II and III).

a. Item No. (Column (1)). Indicates the number used to identify items called out in the illustration.

b. SMR Code (Column (2)). The Source, Maintenance, and Recoverability (SMR) code is a 5-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instruction, as shown in the following breakout:



*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

PA
PB
PC**
PD
PE
PF
PG

Explanation

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 3d position of the SMR code.

**NOTE: Items coded PC are subject to deterioration.

KD
KF
KB

Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category indicated in the 3d position of the SMR code. The complete kit must be requisitioned and applied.

Code

MO- (Made at org/
AVUM Level)
MF- (Made at DS/
AVUM Level)
MH- (Made at GS
Level)
ML- (Made at Spe-
cialized Repair
Act (SRA)
MD- (Made at Depot)

Explanation

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 in this RPSTL. If the item is authorized to you by the 3d position code of the - SMR code, but the source code indicates it is made at a higher level, order the item from the higher level of maintenance.

Code

AO- (Assembled by
org/AVUM Level)
AF- (Assembled by
DS/AVIM Level)
AH- (Assembled by
GS Category)
AL- (Assembled by
SRA)
AD- (Assembled by
Depot)

Explanation

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 level of maintenance indicated by the source code. If the 3d position code of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher level, order the item from the higher level of maintenance.

- XA - Do not requisition an "XA"-coded item. Order its next higher assembly. (Also, refer to the NOTE below.)
- 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 manufacturer's 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 700-42.

(2) Maintenance Code. Maintenance codes tell you the level(s) 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 level authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to one of the following levels of maintenance.

Code	Application/Explanation
C	- Crew or operator maintenance done within organizational or aviation unit maintenance.
O	- Organizational or aviation unit category can remove, replace, and use the item.
F	- Direct support or aviation intermediate level can remove, replace, and use the item.
H	- General support level can remove, replace, and use the item.
L	- Specialized repair activity can remove, replace, and use the item.
D	- Depot level 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 level with the capability to do complete repair (i.e., perform all authorized repair functions.) (NOTE: Some limited repair may be done on the item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes.) This position will contain one of the following maintenance codes.

Code	Application/Explanation
O	- Organizational or (aviation unit) is the lowest level that can do complete repair of the item.
F	- Direct support or aviation intermediate is the lowest level that can do complete repair of the item.
H	- General support is the lowest level that can do complete repair of the item.
L	- Specialized repair activity (designate the specialized repair activity) is the lowest level that can do complete repair of the item.
D	- Depot is the lowest level that can do complete repair of the item.

Code	Application/Explanation
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 level.

(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 level of maintenance shown in 3d position of SMR Code.
O	- Reparable item. When uneconomically reparable, condemn and dispose of the item at organizational or aviation unit level.
F	- Reparable item. When uneconomically reparable, condemn and dispose of the item at the direct support or aviation intermediate level.
H	- Reparable item. When uneconomically reparable, condemn and dispose of the item at the general support level.
D	- Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item not authorized below depot level.
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, specification 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 physical security classification of the item is indicated by the parenthetical entry (insert applicable physical security classification abbreviation, e.g., Phy Sec C1 (C) - Confidential, Phy Sec C1 (S) -Secret, Phy Sec C1 (T) - Top Secret).

(3) Items that are included in kits and sets are listed below the name of the kit or set.

(4) Spare/repair parts that make up an assembled item are listed immediately following the assembled item line entry.

(5) Part numbers for bulk materials are referenced in this column in the line item entry for the item to be manufactured/fabricated.

(6) When the item is not used with all serial numbers of the same model, the effective serial numbers are shown on the last line(s) of the description (before UOC).

(7) The Usable On Code, when applicable (see paragraph 5, Special information).

(8) In the Special Tools List section, the basis of issue (BOI) appears as the last line(s) in the entry for each special tool, special TMDE, and other special support equipment. When density of equipments supported exceeds density spread indicated in the basis of issue, the total authorization is increased proportionately.

(9) 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)). The QTY (quantity per figure column) 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 (i.e., $\frac{\text{NSN}}{\text{NIIN}}$ 5305-01-674-1467). When using this column to locate an item, ignore the first 4 digits of the NSN. However, the complete NSN should be used when ordering items by stock number.

(2) **Fig. Column.** This column lists the number of the figure where the item is identified/located. The figures are in numerical order in Section II and Section 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 (i.e., vertical arrangement of letter and number combination which places the first letter or digit of each group in order A through Z, followed by the numbers 0 through 9 and each following letter or digit in like order).

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

(2) **Part Number Column.** Indicates the primary number used by the manufacturer (individual, 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.

(3) **Stock Number Column.** This column lists the NSN 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 Section 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. Use the following subparagraphs as applicable:

a. Usable On Code. The usable on code appears in the lower left corner of the Description column heading. Usable on codes are shown as "UOC:" in the Description Column (justified left) on the first line applicable item description/nomenclature. Uncoded items are applicable to all models. Identification of the usable on codes used in the RPSTL are:

Code	Used On	
PAA	Model M114	(These codes and model numbers are examples only.)
PAB	Model M114A	
PAC	Model M114B	

b. Index Numbers. Items which have the word BULK in the figure column will have an index number shown in the item number column. This index number is a cross-reference between the National Stock Number/Part Number Index and the bulk material list in Section II.

c. Associated Publications. The publication(s) listed below pertain to (insert applicable nomenclature) and its components:

Publication	Short Title
TM 55-6695-217-13	Operator, AVUM and AVIM Maintenance Manual

NOTE:

Associated publications shall not be listed here in combined narrative and RPSTL manuals.

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.

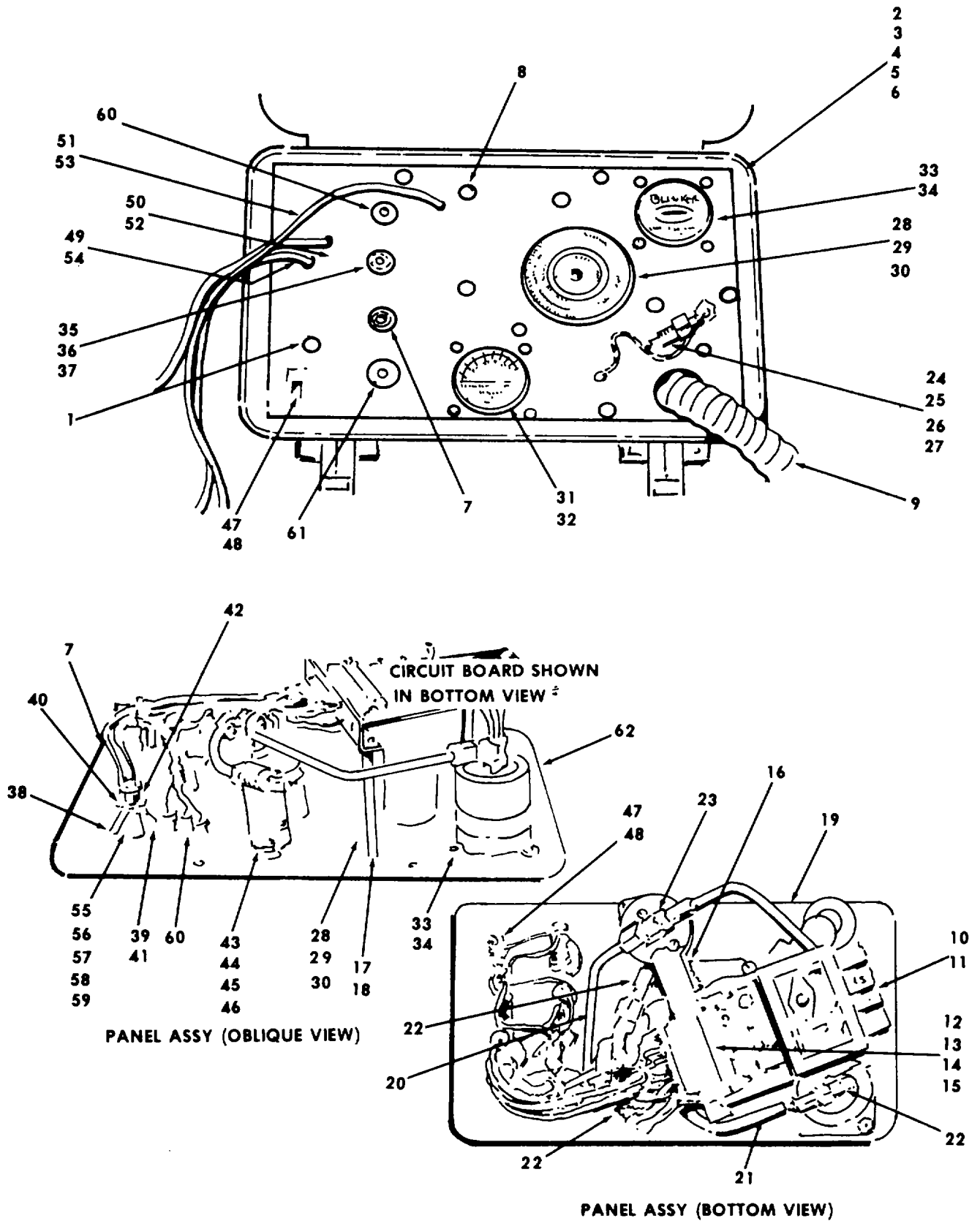


Figure 1. Tester Case and Panel Assemblies

SECTION II

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(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 01. TESTER CASE AND PANEL ASSY					
FIGURE 1. TESTER CASE AND PANEL ASSEMBLIES					
	PBFFF	30150	185.4	TESTER, TYPE MQ-1A	1
1	PBFZZ	16428	17238	..CABLE ASSEMBLY, POWE.....	1
2	XAFFF	30150	1854-100	..CASE ASSEY1 MARKED.....	1
3	XDFZZ	30150	1854-10	..CASE ASSY	1
4	MFFZZ	30150	1854-11	..DECAL, INST	1
5	MFFZZ	30150	1854-12	..DECAL, INST	1
6	MFFZZ	30150	1854-13	..DECAL, IDENT	1
7	XAFZZ	30150	1854-14	..PANEL, ASSY	1
8	PAFZZ	96906	MS35207-263	..SCREW, MACHINE.....	6
9	PAFZZ	96906	MS22055A36	..HOSE ASSY, OXYGEN MA	1
10	XDFFF	30150	184	..CIRCUIT CARD SEE FIG 2 FOR.....	1
BREAKDOWN					
11	PAFZZ	96906	MS35207-263	..SCREW, MACHINE	1
12	XDFZZ	17357	00-7038-017-217-001	..CONNECTOR, PLUG.....	1
13	PAFZZ	96906	MS35207-215	..SCREW.MACHINE.....	2
14	PAFZZ	96906	MS35649-242	..NUT, PLAIN, HEXAGON	2
15	PAFZZ	96906	MS35338-40	..WASHER, LOCK	2
16	XDFZZ	30150	1854-2	..BRACKET, CONN	1
17	XDFZZ	06540	8242-A-1032-16	..STAND OFF P/C BD	1
18	PAFZZ	96906	MS35207-263	..SCREW, MACHINE.....	1
19	XDFZZ	30150	1854-300	..TUBE, ASSY	1
20	XDFZZ	30150	1854-310	..TUBE ASSY	1
21	XDFZZ	30150	1854-320	..TUBE, ASSY	1
22	PAFZZ	88044	AN822-5D	..ELBOW, P[PE TO TUBE	1
23	PAFZZ	88044	AN825-5D	..TEE, PIPE TO TUBE	1
24	PAFZZ	88044	AN804D5	..TEE, TUBEE	1
25	PAFZZ	88044	AN924-5D	..NUT, PLAIN, HEXAGCN	1
26	XDFZZ	30150	1824-200	..CAP AND CHAIN ASSY	1
27	PAFZZ	96906	MS24629-12	..SCREW.TAPPING, THREA	1
28	PBFZZ	81349	MILR6371	..REGULATGR, OXYGEN.....	1
29	XDFZZ	06540	8239-A-1032-16	..SPACER	1
30	PAFZZ	96906	MS35207-263	..SCREW, MACHINE	1
31	XOFZZ	88044	AN6021-113	..GAGE, OXY, LO-PRES	1
32	PAFZZ	96906	MS51957-32	..SCREW, MACHINE.....	1
33	PBFZZ	88044	AN6029-1	..INDICATOR, OXYGEN FL.....	1
34	PAFZZ	96906	MS51957-32	..SCREW, MACHINE	1
35	PAOZZ	58873	28V-PSB	..BULB, MICRCPHONE	1
36	XDFZZ	04655	2800A5	..LAMP.MIC	1
37	PAOZZ	91802	1050C1	..LAMP, POWER ON	1
38	XDFZZ	81996	NPN	..GROMMET, 1/2.....	1
39	XDFZZ	81996	NPN	..GROMMET.3/8	1
40	XDFZZ	81996	NPN	..GROMMET, 3/8.....	1
41	XDFZZ	81996	NPN	..GROMMET, 5/16	1
42	PAFZZ	06915	R-6	..BUSHING, STRAIN RELI	1
43	PBFZZ	80089	P6409	..FORMER, OXYGENMASK.....	1
44	PAFZZ	96906	MS35207-263	..SCREW, MACHINE	2
45	PAFZZ	96906	MS35338-138	..WASHER, LOCK.....	2

SECTION II

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(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
46	PAFZZ	96906	MS35650-302	..NUT, PLAIN, HEXAGON	1
47	PAFZZ	81349	FHN31G1	..FUSEHOLDER, EXTRACTO	1
48	PAOZZ	81349	F01A125V2AS	..FUSE, CARTRIDGE	1
49	XAFZZ	92194	3221	..CABLE, 2 COND	V
50	XAFZZ	92194	1174	..CABLE, 4 COND	V
51	XAFZZ	92194	1243-4	..CABLE, 4 COND, SHLDPR	V
52	XDFZZ	80058	U-61U	..CONNECTOR PLUG	1
53	PAFZZ	81349	U92AU	..JACK, TELEPHONE	1
54	PAFZZ	82389	S830	..JACK, TELEPHONE.....	1
55	XDFZZ	06540	8228-A-103-16	..STANDOFF	1
56	PAFZZ	96906	MS35207-263	..SCREW, MACHINE	1
57	PAFZZ	96906	MS35207-263	..SCREW, MACHINE.....	1
58	PAFZZ	96906	MS35338-138	..WASHER, LOCK	1
59	PAFZZ	96906	MS35650-302	..NUT, PLAIN, HEXAGON	1
60	PAFZZ	81349	M641/5-1	..JACK, TELEPHONE.....	1
61	PAFZZ	81349	MS35058-22	..SWITCH, TOGGLE	1
62	XAFZZ	30150	1854-1	..PANEL, CASE.....	1

END OF FIGURE

Change 1 1-2

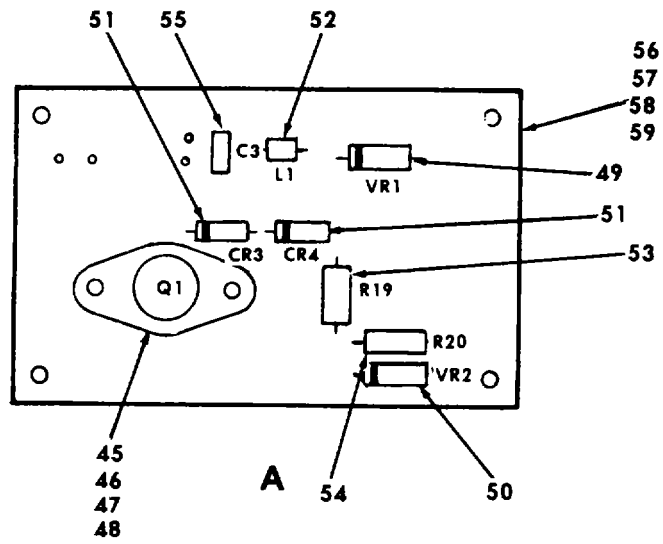
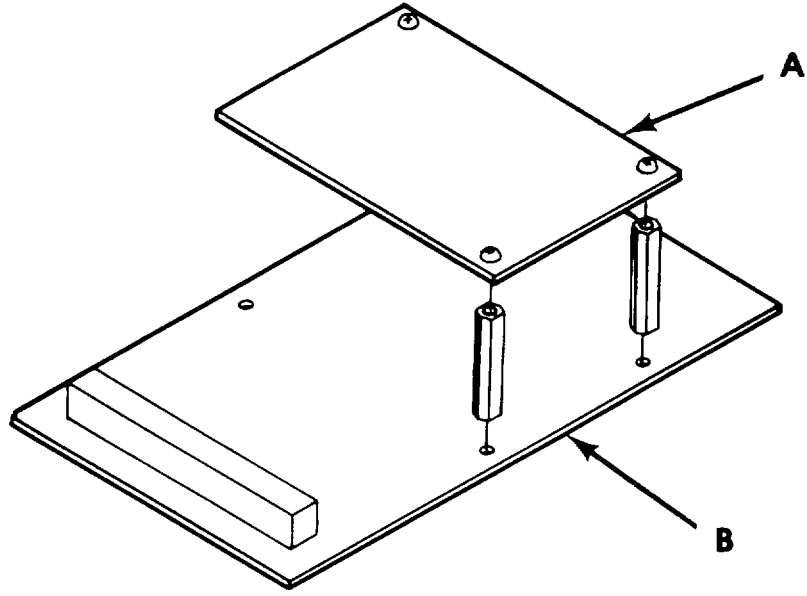


Figure 2. Circuit Board Assembly (Sheet 1 of 2)

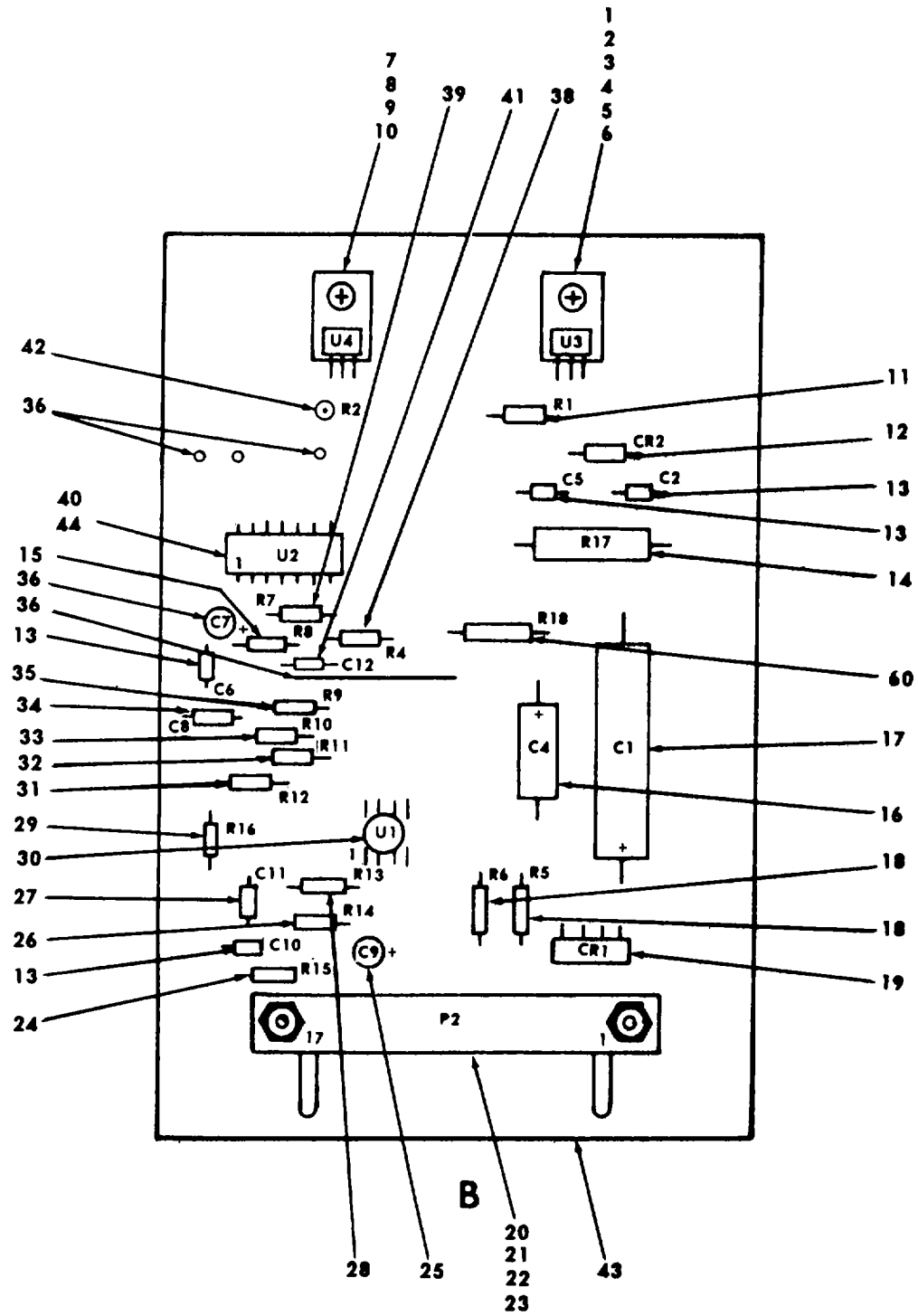


Figure 2. Circuit Board Assembly (Sheet 2 of 2)

SECTION II

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(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
				GROUP 02. CIRCUIT BOARD ASSY FIGURE 2. CIRCUIT BOARD ASSEMBLY (SHEET 1 OF 2) FIGURE 2. CIRCUIT BOARD ASSEMBLY (SHEET 2 OF 2)	
	XDFFF	30150	184	CIRCUIT.CARD, ASSY SEE FIG 1 FOR NHA.....	1
1	PAFZZ	13499	351-1271-010	.MICROIRUIT, LINEAR	1
2	PAFZZ	96906	MS35206-230	.SCREW, MACHINE.....	1
3	PAFZZ	96906	MS35649-262	.NUT, PLAIN, HEXAGON	1
4	PAFZZ	96906	MS35338-41	.WASHER, LOCK	1
5	PAFZZ	81395	21020219-101	.HEAT SINK, ELECTRICA.....	1
6	PAFZZ	07263	UA7824UC	.MICROCIRCUIT, LINEAR	1
7	PAFZZ	96906	MS35206-230	.SCREW, MACHINE	1
8	PAFZZ	96906	MS35649-262	.NUT, PLAIN, HEXAGON	1
9	PAFZZ	96906	MS35338-41	.WASHER, LOCK	1
10	PAFZZ	81395	21020219-101	.HEAT SINK, ELECTRICA.....	1
11	PAFZZ	81349	RCR07G241JS	.RESISTOR , FIXED, COMP	1
12	PAFZZ	81350	1N914	.SEMICONDUCTOR DEVIC.....	1
13	XDFZZ	71590	C420C104M	.CAPACITOR , FIXED, CER.....	5
14	PAFZZ	81349	RCR32G821JS	.RESISTOR, FIXED1COMP	1
15	XDFZZ	14674	C3-403J	.RESISTOR.....	1
16	PAFZZ	56289	TVA1308	.CAPACITOR, FIXED, ELE.....	1
17	PAFZZ	56289	TVA1318	.CAPACITOR	1
18	PAFZZ	81349	RCR07G7R5JS	.RESISTOR , FIXED, COMP.....	2
19	PAFZZ	04713	MDA942A6	.RECTIFIER, SEMICONDUOU.....	1
20	PAFZZ	91662	00-7023-017-000 001	.CONNECTOR, RECEPACL	1
21	PAFZZ	96906	MS35206-218	.SCREW, MACHINE.....	2
22	PAFZZ	96906	MS35649-242	.NUT, PLAIN, HEXAGON	2
23	PAFZZ	96906	MS35338-40	.WASHER, LOCK	2
24	PAFZZ	81349	RCR07G301JS	.RES[STOR, FIXED, COMP	1
25	PAFZZ	56289	TVA1300	.CAPACITOR	1
26	PAFZZ	81349	RC07GF821J	.RESISTOR , FIXED, COMP	1
27	XDFZZ	71590	00D750	.CAPACITOR, OXYGEN MA	1
28	PAFZZ	81349	RCR07G225JS	.RESISTOR , FIXED, COMP	1
29	PAFZZ	81349	RCR07G102JS	.RESISTOR, FIX ED, COMPM	1
30	PAFZZ	02735	CA3094AT	.IC, OP AMP.....	1
31	PAFZZ	81349	RCR07G562JS	.RESISTORFIXED, COMP	1
32	PAFZZ	81349	RCR07G474JS	.RESISTOR, FIXED, COMP	1
33	PAFZZ	81349	RCR07G152JS	.RESISTOR , FIXED, COMP	1
34	PAFZZ	06141	015-3-01-043	.CAPACITOR, FIXED, CER.....	1
35	PAFZZ	81349	RCR07G155JS	.RESISTOR, FIXED, COMP	1
36	XDFZZ	88486	AWG-20	.CAPACITOR, WIRE	1
37	PAFZZ	81349	M39003/01-3024	.CAPACITOR, FIXED, ELE.....	1
38	PAFZZ	81349	RCR07G152JS	.RESISTOR, FIXED, COMP	1
39	PAFZZ	81349	RCR07G563JS	.RESISTOR, FIXED, COMP	1
40	PAFZZ	27014	LM377N	.MIROCIRCUIT, LINEAR	1
41	PAFZZ	06141	015-3-01-043	.CAPACITOR, FIXED, CER.....	1
42	PAFZZ	81349	RCR07G121JS	.RESISTOR, FIXED, COMP	1
43	XADZZ	30150	184-1	.PRINTED WIRING BORD	1
44	PAFZZ	81349	M83734/3-015	.SOCKET, PLUG-IN ELEC	1

SECTION II

TM 55-6695-217-23P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
45	PAFZZ	81349	JAN2N6211	.TRANSISTOR	1
46	PAFZZ	96906	MS35206-230	.SCREW, MACHINE.....	2
47	PAFZZ	96906	MS35649-262	.NUT, PLAIN, HEXAGON	2
48	PAFZZ	96906	MS35338-41	.WASHER, LOCK	2
49	PAFZZ	81349	JANLN5656A	.SEMICONDUCTOR DEVIC.....	1
50	PAFZZ	07595	1N30328	.SEMICONDUCTOR DEVIC.....	1
51	PAFZZ	07595	1N4150	.SEMICONDUCTOR DEVIC	2
52	PAFZZ	76493	70F824A1	.COIL, RADIO FREQUENC	1
53	PAFZZ	54590	830A68	.RESISTOR.....	1
54	PAFZZ	49675	830310	.RESISTOR.....	1
55	XDFZZ	71590	C420C104M	.CAPACITOR	1
56	XAFZZ	30150	184-2	.CIRCUIT, CARD.....	1
57	PAFZZ	83330	4230	.NUT.....	3
58	PAFZZ	72653	GC11-750	.SCREW, OXYGEN MASK.....	6
59	PAFZZ	72653	GC11-182	.WASHER, OXYGEN MASK	6
60	PAFZZ	81349	RCR07G512JS	.RESISTOR, FIXED, COMP	1

END OF FIGURE

Change 1 2-2

CROSS-REFERENCE INDEXES
NATIONAL STOCK NUMBER INDEX

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5961-00-022-5664	2	12	5310-00-933-8120	1	45
5310-00-045-4007	2	4		1	58
	2	9	5310-00-934-9739	1	14
	2	48		2	22
5305-00-054-6656	1	32	5310-00-934-9747	2	3
	1	34		2	8
6150-00-071-1179	1	1		2	47
5905-00-105-7767	2	32	5310-00-934-9751	1	46
5905-00-106-1356	2	33		1	59
	2	38	5305-00-958-4346	1	13
5905-00-106-1357	2	39	5305-00-983-6730	2	21
5905-00-110-7620	2	29	5305-00-989-7434	1	8
5905-00-111-1679	2	60		1	11
5905-00-111-1684	2	35		1	18
5905-00-111-4750	2	24		1	30
5905-00-115-3565	2	14		1	44
5905-00-119-8768	2	26		1	56
5905-00-119-8812	2	42		1	57
5905-00-121-9945	2	18	5962-01-015-5152	2	6
5905-00-141-0744	2	31	5961-01-024-2135	2	45
5910-00-144-4381	2	37	5962-01-053-2508	2	40
5961-00-175-8467	2	51	5962-01-062-5106	2	1
5935-00-192-4729	1	60	5961-01-076-7722	2	49
5961-00-248-5340	2	19	5962-01-082-0082	2	30
6210-00-250-8574	1	37	5935-01-086-7423	2	44
5905-00-252-1671	2	28	5905-01-088-4815	2	54
4730-00-278-0570	1	24	5975-01-094-1583	1	42
4730-00-278-3678	1	22	5999-01-095-0144	2	5
4730-00-279-0457	1	23		2	10
5920-00-280-5027	1	48	5310-01-143-6188	2	57
5310-00-282-7832	1	25	6240-01-224-6941	1	35
5910-00-350-2130	2	17	1560-01-224-9227	1	43
5905-00-435-1718	2	11	5310-01-224-9228	2	59
1660-00-526-6771	1	33	5305-01-224-9229	2	58
5310-00-543-2410	1	15	5905-01-224-9231	2	53
	2	23			
5930-00-655-1514	1	61			
6680-00-663-5288	1	28			
5935-00-665-5125	1	53			
5910-00-709-3216	2	16			
5910-00-811-2368	2	34			
	2	41			
5950-00-835-6417	2	52			
5935-00-849-0802	1	54			
5961-00-852-5170	2	50			
5305-00-855-0970	1	27			
5305-00-889-3000	2	2			
	2	7			
	2	46			
5920-00-892-9395	1	47			

CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
88044	AN6021-113			1
	31			
88044	AN6029-1	1660-00-526-6771	1	33
88044	AN804D5	4730-00-278-0570	1	24
88044	AN822-5D	4730-00-278-3678	1	22
88044	AN825-5D	4730-00-279-0457	1	23
88044	AN924-5D	5310-00-282-7832	1	25
88486	AWG-20		2	36
02135	CA3094AT	5962-01-082-0082	2	30
14674	C3-403J		2	15
71590	C420C104M		2	13
			2	55
71590	DD750		2	27
81349	FHN31G1	5920-00-892-9395	1	47
81349	F01A125V2AS	5920-00-280-5027	1	48
72653	GC11-182	5310-01-224-9228	2	59
72653	GC11-750	5305-01-224-9229	2	58
81349	JANIN5656A	5961-01-076-7722	2	49
81349	JAN2N6211	5961-01-024-2135	2	45
27014	LM377N	5962-01-053-2508	2	40
04713	MDA942A6	5961-00-248-5340	2	19
81349	M ILR6371	6680-00-663-5288	1	28
96906	MS22055A36		1	9
96906	MS24629-12	5305-00-855-0970	1	27
81349	MS35058-22	5930-00-655-1514	1	61
96906	MS35206-218	5305-00-983-6730	2	21
96906	MS35206-230	5305-00-889-3000	2	2
			2	7
			2	46
96906	MS35207-215	5305-00-958-4346	1	13
96906	MS35207-263	5305-00-989-7434	1	8
			1	11
			1	18
			1	30
			1	44
			1	56
			1	57
96906	MS35338-138	5310-00-933-8120	1	45
			1	58
96906	MS35338-40	5310-00-543-2410	1	15
			2	23
96906	MS35338-41	5310-00-045-4007	2	4
			2	9
			2	48
96906	MS35649-242	5310-00-934-9739	1	14
			2	22
96906	MS35649-262	5310-00-934-9747	2	3
			2	8
			2	47
96906	MS35650-302	5310-00-934-9751	1	46
			1	59
96906	MS51957-32	5305-00-054-6656	1	32

CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
96906	MS51957-32	5305-00-054-6656	1	34
81349	M39003/01-3024	5910-00-144-4381	2	37
81349	M641/5-1	5935-00-192-4729	1	60
81349	M83734/3-015	5935-01-086-7423	2	44
81996	NPN		1	38
			1	39
			1	40
			1	41
80089	P6409	1560-01-224-9227	1	43
06915	R-6	5975-01-094-1583	1	42
81349	RCR07G102JS	5905-00-110-7620	2	29
81349	RCR07G121JS	5905-00-119-8812	2	42
81349	RCR07G152JS	5905-00-106-1356	2	33
			2	38
81349	RCR07G155JS	5905-00-111-1684	2	35
81349	RCR07G225JS	5905-00-252-1671	2	28
81349	RCR07G241JS	5905-00-435-1718	2	11
81349	RCR07G301JS	5905-00-111-4750	2	24
81349	RCR07G474JS	5905-00-105-7767	2	32
81349	RCR07G512JS	5905-00-111-1679	2	60
81349	RCR07G562JS	5905-00-141-0744	2	31
81349	RCR07G563JS	5905-00-106-1357	2	39
81349	RCR07G7R5JS	5905-00-121-9945	2	18
81349	RCR32G821JS	5905-00-115-3565	2	14
81349	RC07GF821J	5905-00-119-8768	2	26
82389	S830	5935-00-849-0802	1	54
56289	TVA1300		2	25
56289	TVA1308	5910-00-709-3216	2	16
56289	TVA1318	5910-00-350-2130	2	17
80058	U-61U		1	52
07263	UA7824UC	5962-01-015-5152	2	6
81349	U92AU	5935-00-665-5125	1	53
91662	00-7023-017-000-001		2	20
17357	00-7038-017-217-001		1	12
06141	015-3-01-043	5910-00-811-2368	2	34
			2	41
07595	1N3032B	5961-00-852-5170	2	50
07595	IN4150	5961-00-175-8467	2	51
81350	iN914	5961-00-022-5664	2	12
91802	1050C1	6210-00-250-8574	1	37
92194	1174		1	50
92194	1243-4		1	51
16428	17238	6150-00-071-1179	1	1
30150	1824-200		1	26
30150	184		1	10
			2	
30150	184-1		2	43
30150	184-2		2	56
30150	1854-1		1	62

CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
30150	1854-10		1	3
30150	1854-100		1	2
30150	1854-11		1	4
30150	1854-12		1	5
30150	1854-13		1	6
30150	1854-14		1	7
30150	1854-2		1	16
30150	1854-300		1	19
30150	1854-310		1	20
30150	1854-320		1	21
81395	21020219-101	5999-01-095-0144	2	5
			2	10
58873	28V-PSB	6240-01-224-6941	1	35
04655	2800A5		1	36
92194	3221		1	49
13499	351-1271-010	5962-01-062-5106	2	1
83330	4230	5310-01-143-6188	2	57
76493	70F824A1	5950-00-835-6417	2	52
06540	8228-A-103-16		1	55
06540	8239-A-1032-16		1	29
06540	8242-A-1032-16		1	17
54590	830A68	5905-01-224-9231	2	53
49675	830310	5905-01-088-4815	2	54

CROSS-REFERENCE INDEXES

FIGURE AND ITEM NUMBER INDEX

FIG.	ITEM	STOCK NUMBER	FSCM	PART NUMBER
1	1	6150-00-071-1179	16428	17238
1	2		30150	1854-100
1	3		30150	1854-10
1	4		30150	1854-11
1	5		30150	1854-12
1	6		30150	1854-13
1	7		30150	1854-14
1	8	5305-00-989-7434	96906	MS35207-263
1	9		96906	MS22055A36
1	10		30150	184
1	11	5305-00-989-7434	96906	MS35207-263
1	12		17357	00-7038-017-217-001
1	13	5305-00-958-4346	96906	MS35207-215
1	14	5310-00-934-9739	96906	MS35649-242
1	15	5310-00-543-2410	96906	MS35338-40
1	16		30150	1854-2
1	17		06540	8242-A-1032-16
1	18	5305-00-989-7434	96906	MS35207-263
1	19		30150	1854-300
1	20		30150	1854-310
1	21		30150	1854-320
1	22	4730-00-278-3678	88044	AN822-5D
1	23	4730-00-279-0457	88044	AN825-5D
1	24	4730-00-278-0570	88044	AN804D5
1	25	5310-00-282-7832	88044	AN924-5D
1	26		30150	1824-200
1	27	5305-00-855-0970	96906	MS24629-12
1	28	6680-00-663-5288	81349	MILR6371
1	29		06540	8239-A-1032-16
1	30	5305-00-989-7434	96906	MS35207-263
1	31		88044	AN6021-113
1	32	5305-00-054-6656	96906	MS51957-32
1	33	1660-00-526-6771	88044	AN6029-1
1	34	5305-00-054-6656	96906	MS51957-32
1	35	6240-01-224-6941	58873	28V-PSB
1	36		04655	2800A5
1	37	6210-00-250-8574	91802	1050C1
1	38		81996	NPN
1	39		81996	NPN
1	40		81996	NPN
1	41		81996	NPN
1	42	5975-01-094-1583	06915	R-6
1	43	1560-01-224-9227	80089	P6409
1	44	5305-00-989-7434	96906	MS35207-263
1	45	5310-00-933-8120	96906	MS35338-138
1	46	5310-00-934-9751	96906	MS35650-302
1	47	5920-00-892-9395	81349	FHN31G1
1	48	5920-00-280-5027	81349	F01A125V2AS
1	49		92194	221
1	50		92194	1174

CROSS-REFERENCE INDEXES

FIGURE AND ITEM NUMBER INDEX

FIG.	ITEM	STOCK NUMBER	FSCM	PART NUMBER
1	51		92194	1243-4
1	52		80058	U-61U
1	53	5935-00-665-5125	81349	U92AU
1	54	5935-00-849-0802	82389	S830
1	55		06540	8228-A-103-16
1	56	5305-00-989-7434	96906	M535207-263
1	57	5305-00-989-7434	96906	MS35207-263
1	58	5310-00-933-8120	96906	MS535338-138
1	59	5310-00-934-9751	96906	M5S35650-302
1	60	5935-00-192-4729	81349	M641/5-1
1	61	5930-00-655-1514	81349	MHS35058-22
1	62		30150	1854-1
2			30150	184
2	1	5962-01-062-5106	13499	351-1271-010
2	2	5305-00-889-3000	96906	MS35206-230
2	3	5310-00-934-9747	96906	MS35649-262
2	4	5310-00-045-4007	96906	MS35338-41
2	40	5962-01-053-2508	27014	LM377N
2	5	5999-01-095-0144	81395	21020219-101
2	6	5962-01-015-5152	07263	UA7824UC
2	7	5305-00-889-3000	96906	MS35206-230
2	8	5310-00-934-9747	96906	MS35649-262
2	9	5310-00-045-4007	96906	MS35338-41
2	10	5999-01-095-0144	81395	21020219-101
2	11	5905-00-435-1718	81349	RCR07G241JS
2	12	5961-00-022-5664	81350	1N914
2	13		71590	C420C104M
2	14	5905-00-115-3565	81349	RCR32G821JS
2	15		14674	C3-403J
2	16	5910-00-709-3216	56289	TVA1308
2	17	5910-00-350-2130	56289	TVA1318
2	18	5905-00-121-9945	81349	RCR07G7RSJS
2	19	5961-00-248-5340	04713	MDA942A6
2	20		91662	00-7023-017-000-001
2	21	5305-00-983-6730	96906	NS35206-218
2	22	5310-00-934-9739	96906	MS35649-242
2	23	5310-00-543-2410	96906	M535338-40
2	24	5905-00-111-4750	81349	RCR07G301JS
2	25		56289	TVA1300
2	26	5905-00-119-8768	81349	RC07GF821J
2	27		71590	DD750
2	28	5905-00-252-1671	81349	RCR07G225JS
2	29	5905-00-110-7620	81349	RCR07G102JS
2	30	5962-01-082-0082	02735	CA3094 AT
2	31	5905-00-141-0744	81349	RCR07G562JS
2	32	5905-00-105-7767	81349	RCR07G474JS
2	33	5905-00-106-1356	81349	RCR07G152JS
2	34	5910-00-811-2368	06141	015-3-01-043
2	34	5905-00-111-1684	81349	RCR076155JS
2	36		88486	ANG-20

CROSS-REFERENCE INDEXES

FIGURE AND ITEM NUMBER INDEX

FIG.	ITEM	STOCK NUMBER	FSCM	PART NUMBER
2	37	5910-00-144-4381	81349	M39003/01-3024
2	38	5905-00-106-1356	81349	RCR07G152JS
2	39	5905-00-106-1357	81349	RCR07G563JS
2	41	5910-00-811-2368	06141	015-3-01-043
2	42	5905-00-119-8812	81349	RCR07G121JS
2	43		30150	184-1
2	44	5935-01-086-7423	81349	M83734/3-015
2	45	5961-01-024-2135	81349	JAN2N6211
2	46	5305-00-889-3000	96906	MS35206-230
2	47	5310-00-934-9747	96906	MS35649-262
2	48	5310-00-045-4007	96906	MS35338-41
2	49	5961-01-076-7722	81349	JAN1N5656A
2	50	5961-00-852-5170	07595	1N3032B
2	51	5961-00-175-8467	07595	1N4150
2	52	5950-00-835-6417	76493	70F824A1
2	53	5905-01-224-9231	54590	830A68
2	54	5905-01-088-4815	49675	830310
2	55		71590	C420C104M
2	56		30150	184-2
2	57	5310-01-143-6188	83330	4230
2	58	5305-01-224-9229	72653	GC11-750
2	59	5310-01-224-9228	72653	GC11-182
2	60	5905-00-111-1679	81349	RCR07G512JS

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By Order of the Secretary of the Army:

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General, United States Army
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The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigram = .035 ounce
 1 decagram = 10 grams = .35 ounce
 1 hectogram = 10 decagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq.dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

<i>To change</i>	<i>To</i>	<i>Multiply by</i>	<i>To change</i>	<i>To</i>	<i>Multiply by</i>
inches	centimeters	2.540	ounce-inches	Newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	Newton-meters	1.356	metric tons	short tons	1.102
pound-inches	Newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
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PIN: 060424 1/N 000