

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE

REPAIR PARTS AND SPECIAL TOOLS LISTS

(INCLUDING DEPOT MAINTENANCE REPAIR PARTS

AND SPECIAL TOOLS)

TEST SET, TURRET FAULT ISOLATION

(4933-432-7269)

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HEADQUARTERS, DEPARTMENT OF THE ARMY

1973

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

TEST SET, TURRET FAULT ISOLATION

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This manual is current as of 1 November 1972

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Section I. INTRODUCTION

1. Scope

This manual lists repair parts and special tools required for the performance of direct support, general support, and depot maintenance of the test set.

2. General

This repair parts and special tools list is divided into the following sections:

a. *Repair Parts List-Section II.* A list of repair parts authorized at the direct support, general support, and depot levels for the performance of maintenance. The list also includes parts which must be removed for the replacement of the authorized parts. Parts lists are composed of functional groups in ascending numerical sequence, with parts in each group listed in figure and item number sequence.

b. *Special Tools List-Section III.* A list of special tools, test, and support equipment authorized for the performance of maintenance at the direct support, general support, and depot levels.

c. *Federal Stock Number and Reference Number Index-Section IV.* A list, in numerical sequence, of all Federal stock numbers appearing in the listings followed by a list, in alphameric sequence, of all reference numbers appearing in the listings. Federal stock number and reference numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

The following provides an explanation of columns found in the tabular listings.

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

(1) *Source code.* Indicates the source for the listed item. Source codes, the first and second positions of the SMR code (col 1), are as follows:

<i>Code</i>	<i>Explanation</i>
PA	Item procured and stocked for anticipated or known usage.
PB	Item procured and stocked for insurance purposes because essentially dictates that a minimum quantity be available in the supply systems.
PC	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
PE	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF	Support equipment which will not be stocked but which will be centrally procured on demand.

<i>Code</i>	<i>Explanation</i>
KD	An item of depot overhaul repair kit and not purchased separately.

KF	An item of a maintenance kit and not purchased separately.
KB	Item included in both a depot overhaul/repair kit and a maintenance kit.
MO	Item to be manufactured or fabricated at organizational maintenance.
MF	Item to be manufactured or fabricated at direct support maintenance.
MH	Item to be manufactured or fabricated at general support maintenance.
MD	Item to be manufactured or fabricated at depot maintenance.
AO	Item to be assembled at organizational maintenance.
AF	Item to be assembled at direct support maintenance.
AH	Item to be assembled at general support maintenance.
AD	Item to be assembled at depot maintenance.
XA	Item is not procured or stocked. The requirement for the item will be filled by requisitioning the next higher assembly.
XB	Item is not procured or stocked. If not available through salvage requisition from the end item manager with exception data for immediate use.
XC	Installation drawing, diagram, instruction sheet, field service drawing. that is identified by manufacturer's part number. (2) <i>Maintenance Code.</i>

(a) *Use code.* This code, the third position of the SMR code (col 1), indicates the lowest category of maintenance authorized to remove, replace, and/or use the item. Capabilities of higher maintenance categories are considered equal or better.

<i>Code</i>	<i>Explanation</i>
C	Item removed, replaced, and/or used by the crew /operator.
O	Item removed, replaced, and/or used at organizational maintenance.
F	Item removed, replaced. and/or used at direct support maintenance.
H	Item removed, replaced, and/or used at general support maintenance.
D	Items removed, replaced, and/or used at depot maintenance only.

(b) *Repair code.* This code, the fourth position of the SMR code (col 1), indicates whether the item is to be repaired and identifies the lowest maintenance category with the capability to perform

complete repair (i.e., all authorized maintenance functions). This does not preclude some repair which may be accomplished at a lower category of maintenance. The maintenance repair codes are:

<i>Code</i>	<i>Explanation</i>
O	The lowest maintenance category capable of complete repair is organizational maintenance.
F	The lowest maintenance category capable of complete repair is direct support maintenance.
H	The lowest maintenance category capable of complete repair is general support maintenance.
D	The only maintenance category capable of complete repair is depot maintenance.
L	Repair restricted to designated specialized repair activity.
Z	Nonreparable. No repair is authorized.
B	No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc. at the user level. No parts or special tools are procured for the maintenance of this item.

(4) *Recoverability code.* Indicates whether unserviceable items should be returned for recovery or salvage. The recoverability codes, the fifth position of the SMR code, are as follows:

<i>Code</i>	<i>Explanation</i>
Z	Nonreparable item. When unserviceable, condemn and dispose at the category indicated by maintenance use code (third position).
O	Reparable item. When uneconomically repairable, condemn and dispose at organizational maintenance.
F	Reparable item. When uneconomically repairable, condemn and dispose at direct support maintenance.
H	Reparable item. When uneconomically repairable, condemn and dispose at general support maintenance.
D	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot maintenance.
L	Reparable item. Repair, condemnation, and disposal not authorized below depot/specialized repair activity.
A	Item requires special handling or condemnation procedure because of specific reason (i.e., precious metal content, high dollar value, critical or hazardous material). Refer to appropriate manuals/directives for specific instructions

b. Federal Stock Number. Indicates the federal stock number assigned to the item and will be used for requisitioning purposes.

c. Description. Indicates the Federal item name and a minimum description required to identify the item.

The last line indicates the reference number followed by the applicable Federal supply code for manufacturer (FSCM) in parentheses. The FSCM is used as an element in item identification to designate manufacturer, distributor, or Government agency, etc., and is identified in SB .08-42. Items that are included in kits and sets are listed below the name of the kit or set with quantity of each item in the kit/ set indicated in front of the item name.

d. Unit of Measure (U/M). Indicates the standard or basic quantity by which the listed item is used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation, e.g., ea. in. pr, etc., and is the basis used to indicate quantities. 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.

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

f. Allowance Columns.

(1) In section II, repair parts list, the allowance columns are left blank intentionally. The maintenance level code indicates that the item is authorized for use at that category. Organizational, direct support, and general support parts will be requisitioned on a "as required" basis until authorized stockage levels are established based on demand criteria.

(2) Special tools, test, and support equipment peculiar to this test set (sect III) are listed with quantities in the appropriate allowance columns.

g. 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.* Indicates the callout number used to reference the item on the illustration.

4. Special Information

a. This test set is used with the armored reconnaissance/airborne assault vehicle: Full-tracked, 152-mm, M551.

b. The basis of issue for authorized tools, test, and support equipment is the number of end items of equipment supported and the number of maintenance personnel allocated to perform the required maintenance operations.

c. The following publications pertain to the turret fault isolation test set and its components:

TM 9-4933-216-12

Operator's and Organizational Maintenance Manual
Including Repair Parts and Special Tools List: Test
Set, Turret Electrical Fault Isolation: With
Accessories (4933-432-7269)

TM 9-4933-216-34

Direct Support and General Support Maintenance
Manual: Test Set, Turret Electrical Fault Isolation:
With Accessories (4933-432-7269)

5. How to Locate Repair Parts

a. When Federal stock number or reference number is unknown:

(1) *First.* Using the table of contents determine the functional group or assembly within which the repair part belongs, i.e., circuit board, panel, test set assembly. This is necessary since illustrations are prepared for functional groups or assemblies and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the functional group or assembly to which the repair part belongs.

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

(4) *Fourth.* Using the repair parts listing, find the functional group/assembly to which the repair part belongs and locate the illustration figure and item number noted on the illustration.

b. When Federal stock number or reference number is known:

(1) *First.* Using the index of Federal stock numbers and reference numbers find the pertinent Federal stock number or reference number. This index is in ascending FSN sequence followed by a list of reference numbers in ascending alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* Using the repair parts listing, find the functional group/assembly of the repair part and the illustration figure number and item number referenced in the index of Federal stock numbers and reference numbers.

6. Abbreviations

<i>Abbreviation</i>	<i>Explanation</i>
ac.....	alternating current
accomtd.....	accommodated
adj.....	adjacent
adj.....	adjustable
al.....	aluminum
aly.....	alloy
amp.....	ampere
anld.....	annealed
andzd.....	anodized
atch.....	attach
bay.....	bayonet
bdl.....	bundle
blk.....	black

<i>Abbreviation</i>	<i>Explanation</i>
brkt.....	bracket
brs.....	brass
brz.....	bronze
cd-pld.....	cadmium plated
cl.....	class
cmpnts.....	components
conn.....	connection
cool.....	coolant
cop.....	copper
cplg.....	coupling
cre.....	corrosion resistant
crm.....	chrome
crpd.....	crimped
cr.....	cross
crtg.....	cartridge
ctrng.....	centering
ctsk.....	countersunk
dc.....	direct current
dia.....	diameter
elec.....	electrical
extr.....	extractor
fer.....	ferrous
fl.....	flat
fltng.....	floating
fnsh.....	finish
gld.....	gold
gr.....	grade
grn.....	green
h.....	high
hgt.....	height
hlcl.....	helical
hsg.....	housing
id.....	inside diameter
insr.....	insert
insul.....	insulate (d)
intl.....	internal
k.....	kilo (ohm)
lg.....	long / length
lkg.....	locking
lt.....	light
max.....	maximum
met.....	metal
mintr.....	miniature
mtg.....	mounting
nat.....	natural
nkl.....	nickel
nom.....	nominal
NS.....	National special (thread)
nyl.....	nylon
oa.....	over-all
od.....	outside diameter
pcb.....	printed circuit board
phen.....	phenolic
phos.....	phosphorus
pld.....	plated
plstc.....	plastic
pnh.....	pan head
posn.....	position
prft.....	press fit
psvt.....	passivate (d)
pt.....	point
ptd.....	printed

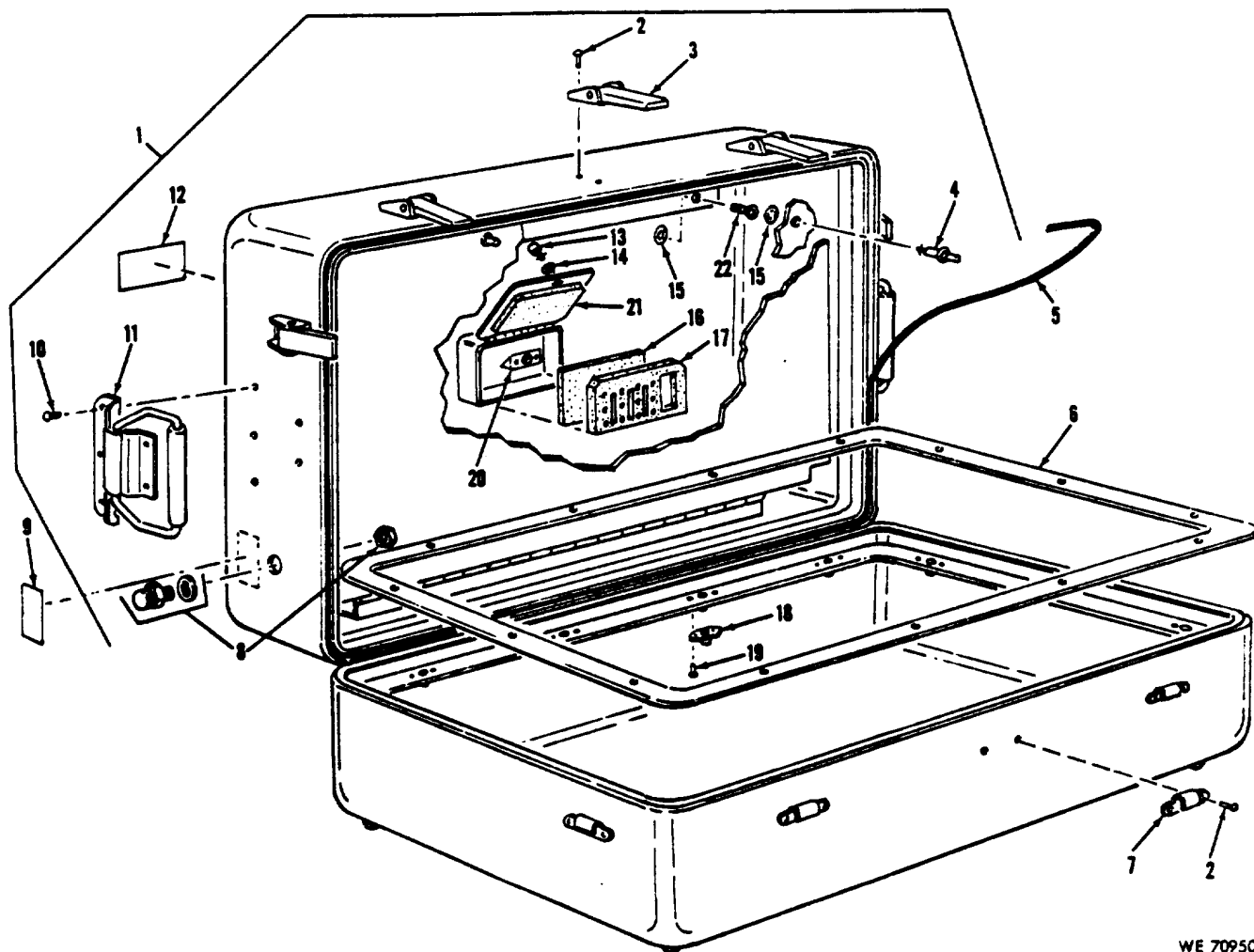
<i>Abbreviation</i>	<i>Explanation</i>
rbr	rubber
rec	recess
res	resistant
rnd	round
scr	screw
semicond	semiconductor
sgl	single
sh	sheet
sft	shaft
shk	shank
shld	shield
shldr.....	shoulder
sld -.....	sealed
sld	slotted
slv.....	sleeve
sol	solid
sp	single pole
sst	stainless steel
stl	steel
tgl	toggle
thd	thread
thk	thick
tnd	tinned

<i>Abbreviation</i>	<i>Explanation</i>
UNC.....	unified coarse thread
UNF.....	unified fine thread
Univ.....	universal
u/o	used on
u/w.....	used with
vac	volt, alternating current
vdc	volt, direct current
w	wide
waf.....	width across flats
wd	width
wht.....	white
w/o	without

7. Recommendations for Maintenance Publications Improvements

You can improve this manual by calling attention to errors and by recommending improvements using DA Form 2028 (Recommended Changes to Publications), or by a letter, and mailing to the Commander, US Army Weapons Command. ATTN: AMSWE-MAS, Rock Island, Illinois 61201. A reply will be furnished directly to you.

Section II. REPAIR PARTS LIST

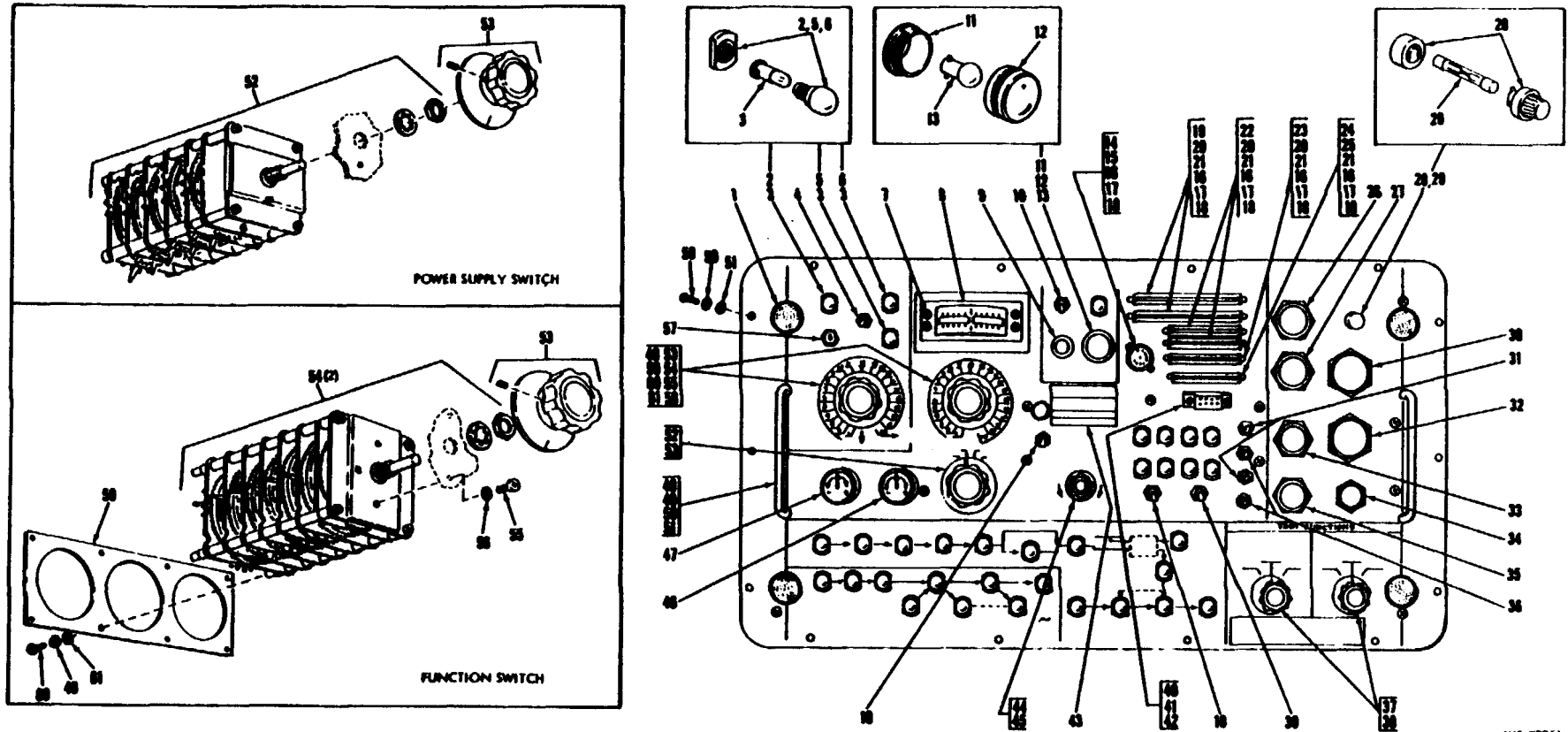


WE 70950

Figure 1. Case assembly and related parts.

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
		CASE ASSEMBLY AND RELATED PARTS FIG. 11												
PA-FD-D	4933-503-0867	CASE ASSEMBLY, TEST SET; al, 26.440 lg, 14.440 w, 11.000 h 11678904 (19207)	EA	1									1	1
PA-FZ-Z	5320-119-6823	RIVET, SOLID: univ-hd, 1/8 shk dia, 0.250 shk lg 0.250dia MS20470B4-4 (96906)	EA	20									1	2
PA-FZ-Z	5340-874-9270	LATCH, SET, RIM: stl, cd-pld, 2.180 lg, 1.020 w, 0.640 thk 10018885 (18876)	EA	5									1	3
PA-FZ-Z	5325-954-9197	STUD, TURN LOCK FASTENER: stl, 0.890 lg, 0.306 od, 0.289 lg of eyelet 9746544-3 (18876)	EA	2									1	4
PA-FZ-Z	6125-008-4896	SEAL: rbr, cl 2,gr 60,0.125 id, 0.217 od, 78.250 lg 8449065 (19204)	EA	1									1	5
PA-FZ-Z	4933-503-0714	SEAL, CASE BOX LID: rbr, 25.250 lg, 13.250 w, 14 holes, 0.250 dia 11678906 (19207)	EA	1									1	6
PA-FZ-Z	5340-981-6705	STRIKE, CATCH: 10018891 (18876)	EA	5									1	7
PA-FZ-Z	4820-906-1039	VALVE, PRESSURE EQUALIZING: MS180141- (96906)	EA	1									1	8
PA-FZ-Z	9905-148-0390	PLATE, INSTRUCTION: al-aly. 2 lg, 1.120w, 0.005 thk 11679000 (19207)	EA	1									1	9
PA-FZ-Z	5320-165-8828	RIVET,SOLID: univ-hd, 0.500 shk lg, 3/ 16 shk dia MS20470B6-8 (96906)	EA	10									1	10
PA-FZ-Z		HANDLE: MS18012-1 (96906)	EA	2									1	11
PA-FZ-Z	9905-140-9844	PLATE, IDENTIFICATION: al, 2.880 lg, 1.380 w, 0.005 thk 11665567 (19207)	EA	1									1	12
PA-FZ-Z	5325-931-8794	STUD, TURNLOCK FASTENER: w/nylon washer, stl, hd 0.390 dia, 0.490 h, 0.128 shk dia 10607277-5 1188761	EA	1									1	13
PA-FZ-Z	5310-530-9963	WASHER, SPLIT: cd-pld, 0.156 id, 0.271 od, 0.016 thk 10313530-1 (19207)	EA	1									1	14
PA-FZ-Z	5310-954-4344	PUSH ON NUT: stl, cd-pld, 0.300 id, 0.510 od, 0.010 thk 9746543 (18876)	EA	4									1	15
PA-FZ-Z	4933-138-8419	PAD, CUSHIONING: cellular rbr, gr SCE 7. 2.760 w, 4 lg, 0.250 thk 11665493 (19207)	EA	1									1	16
PA-FZ-Z	4933-138-8421	PAD, CUSHIONING: cellular rbr, gr SCE 7, 2.180 w. 4 lg 0.380 thk 11665402 (19207)	EA	1									1	17

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
PA-FZ-Z	5310-778-2655	NUT, SELF-LOCKING, PLATE: two lug, fltg low hgt, stl, cd- pld, No. 1032UNJF-3B, 0.948 lg, 0.290 to 0.416 w, 0.250 h MS21059-3 (96906)	EA	14									1	18
PA-FZ-Z	5320-655-4757	RIVET, SOLID: ctsk hd anld, 3/ 32 shk dia, 1/4 shk lg MS20426A3-4 (96906)	EA	28									1	19
PA-FZ-Z	5325-850-2240	RECEPTACLE, TURNLOCK FASTENER: 0.420 w, 1.120 lg, 0.420 h 10900413 (19207)	EA	1									1	20
PA-FZ-Z	4933-138-8420	PAD, CUSHIONING: cellular rbr, gr SCE 7, 2.180 w, 3.760 lg, 0.250 thk 11665491 (19207)	EA	1									1	21
PA-FZ-Z	5325-995-6630	SOCKET, TURNBUTTON FASTENER: zinc aly cd-pld hg, sst. psvtend cap, 15/ 32-32NS-2A thd, 0.415 waf, 0.860 lg 10394349 (18876)	EA	2									1	22



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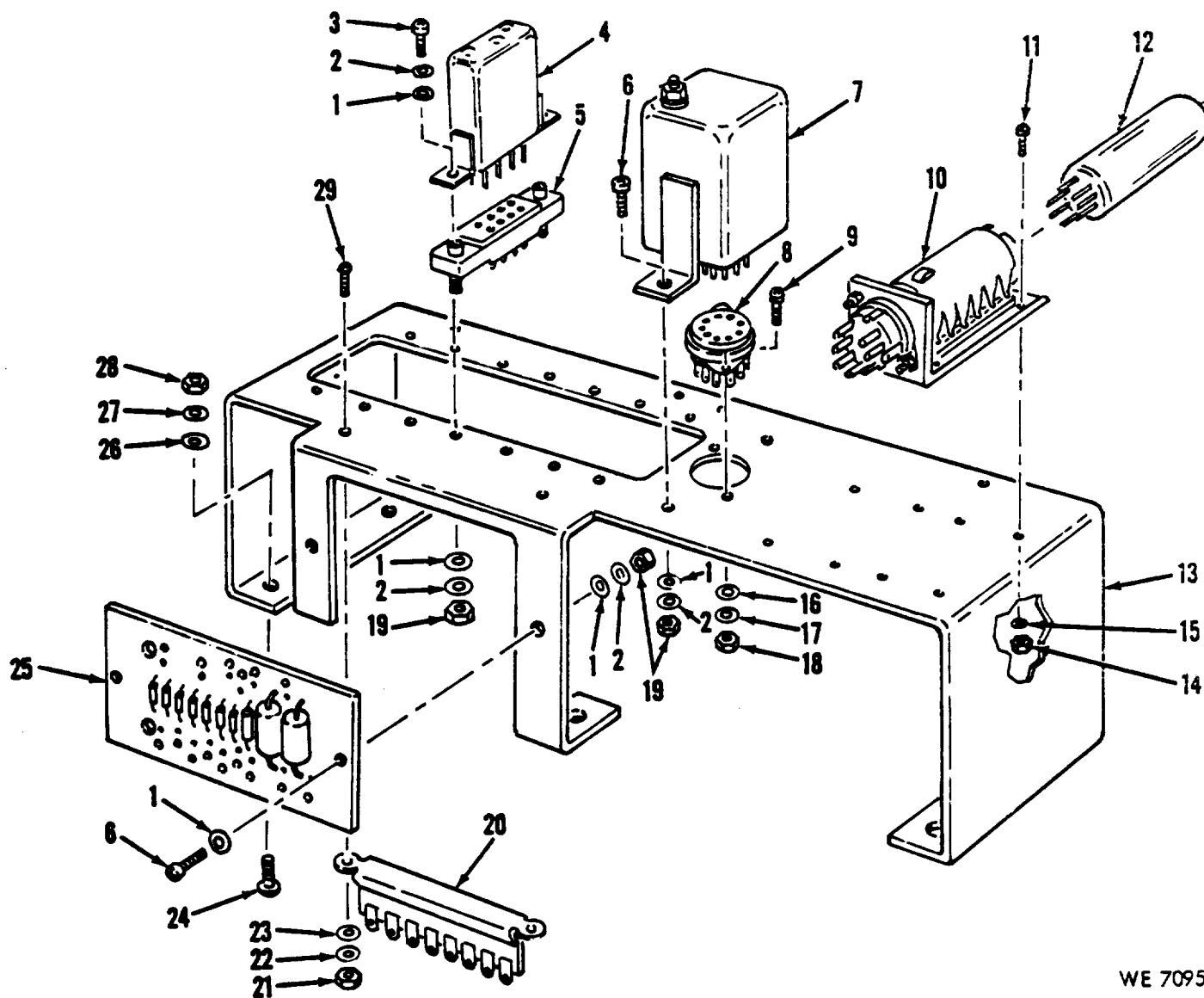
Figure 2. Test set panel and related parts.

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
		TEST SET PANEL AND RELATED PARTS (FIG. 2)												
PA-OZ-Z	4933-148-5289	SCREEN, GROMMET: stl, 1.190 din, 0.3000 lg case 6 prong, 0.984 dia screen 11662834 (19207)	EA	4									2	1
PA-FZ-Z	6210-892-4468	LIGHT ASSEMBLY: wht, 1.750 lg, 0.510 dia, 15/32-32NS thd 11662774-4 (19207)	EA	33									2	2
PA-OZ-Z	6240-763-7744	LAMP, INCANDESCENT: wht lt, 28V, No. 387 MS18209-387 (96906)	EA	35									2	3
PA-FZ-Z	5930-914-6458	SWITCH, TOGGLE: mintr, tgl sld, SP, SP mtg, 0.562 lg, 0.354 w, 0.701 h, 15/32-32NS-2A MS90310-231 (96906)	EA	1									2	4
PA-FZ-Z	6210-845-1763	LIGHT ASSEMBLY: grn, 1.750 lg, 0.510 dia., 15/32-32NS thd 11662774-2 (19207)	EA	1									2	5
PA-FZ-Z	6210-840-0850	LIGHT ASSEMBLY: red, 1.750 lg, 0.510 dia., 15/32-32NS thd 11662774-1 (19207)	EA	1									2	6
PA-FZ-Z	5310-811-3494	NUT, SELF-LOCKING, HEXAGON: stl, 0.336 to 0.345 waf 0.219 to 0.281 lg, No. 16-40-32UNJC-3B MS21044N08 (96906)	EA	4									2	7
PA-FZ-Z	4933-140-3949	METER, COMPONENT TEST: 11662891 (19207)	EA	1									2	8
PA-FZ-Z	5930-847-9863	SWITCH, PUSH: mstre prf, al-aly, 120V MS25089-1C (96906)	EA	1									2	9
PA-FZ-Z	5930-913-3641	SWITCH, TOGGLE: mintr, tgl sld, SP, SP mtg 0.701 lg, 0.354 w, 0.562 h, 15/32-32NS-2A MS90310-221 (96906)	EA	3									2	10
PA-FZ-Z	6210-753-2289	LIGHT, INDICATOR: metal, body, 2.625 lg, lamp accomdtd LH80/1 (81349)	EA	1									2	11
PA-OZ-Z	6210-244-2897	LENS, LAMPHOLDER: LC21CN3 (81349)	EA	1									2	12
PA-OZ-Z	6240-179-1813	LAMP, GLOW: A12A FIIG base style. B28 bulb shape, T-4-1/2 bulb size, 250 w, 1.500 lg, neon gas type, 59V-77V, 3000 hours life NE16 (81349)	EA	1									2	13
PA-FZ-Z	5935-946-8667	SOCKET, ELECTRON TUBE: 1-11./32 w. 9/16 thk 10945179 (19207)	EA	1									2	14
PA-FZ-Z	5305-889-2997	SCREW, MACHINE: pnh, crs-rec, stl, cd-pld, 0.375 lg, No. 4-40UNC-2A MS35206-215 (96906)	EA	2									2	15

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
PA-FZ-Z	5310-950-1310	WASHER. FLAT: stl, cd-pld. 0.215 id, 0.312 od, 0.032 thk MS27183-4 (96906)	EA	14									2	16
PA-FZ-Z	5310-193-7577	WASHER, LOCK: fl-int-tooth, stl, cd-pld, 0.123 id, 0.270 od, 0.019 thk No. 4 MS35333-36 (96906)	EA	14									2	17
PA-FZ-Z	5310-934-9739	NUT. PLAIN. HEXAGON: stl, cd-pld. 4-40UNC-2B. 1/4 waf, 3/ 32 thk MS35649-242 (96906)	EA	14									2	18
PA-FZ-Z	5935-916-0581	CONNECTOR, ELECTRICAL: insul, gld-pld, 5 amp. 6 milliohms 10947275 (19207)	EA	2									2	19
PA-FZ-Z	5935-909-8601	PLUG, POLARIZING: nyl, 0.099 w, 0.290 lg, 0.040 thk 10947276 (19207)	EA	8									2	20
PA-FZ-Z	5305-984-4976	SCREW MACHINE: pnh, crs-rec, No. 4-40UNC-2A. stl, cd-pld, 0.750 lg MS35206-219 (96906)	EA	12									2	21
PA-FZ-Z	5935-916-0384	CONNECTOR, RECEPTACLE, ELECTRICAL: insul, phos- brz., 3.198 lg, 0.437 w, 0.319 thk 10947328 (19207)	EA	2									2	22
PA-FZ-Z	5935-916-0383	CONNECTOR, RECEPTACLE. ELECTRICAL: phos-brz. 5 amps. 6 milli ohms 10947327 (19207)	EA	1									2	23
PA-FZ-Z		CONNECTOR. RECEPTACLE. ELECTRICAL: insul, phos- brz., 3.101 lg, 0.66 w, 0.935 thk 10947493 (19207)	EA	1									2	24
PA-FZ-Z	1025-912-1152	PLUG, KEYING: nyl, conn-on-cont, 0.288 lg, 0.138 nom w 10947386 (19207)	EA	1									2	25
PA-FZ-Z	5935-784-5982	CONNECTOR, RECEPTACLE, ELECTRICAL: bay lkg pin, cre, al base aly MS3124E16-26P (96906)	EA	1									2	26
PA-FZ-Z	5935-912-8163	CONNECTOR, RECEPTACLE, ELECTRICAL: bay lkg pin, cre MS124E16-26S (96906)	EA	1									2	27
PA-FZ-Z	5920-875-4100	FUSEHOLDER: extr post type, accom crtrg type fuse, 2.090 lg, 0.690 w, sldr lug bshg FHN26G2 (81349)	EA	1									2	28
PA-OZ-Z	5920-161-4551	FUSE, CARTRIDGE: fer nkl or brt aly, 15 amps, 125 AC / DC, 1.250 lg, 0.250 dia FMO3-125V-15A (81349)	EA	1									2	29

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
PA-FZ-Z	5935-786-7416	CONNECTOR, RECEPTACLE, ELECTRICAL: bay lkg pin, cre, sgl hole mtg MS3124E20-41P (96906)	EA	1									2	30
PA-FZ-Z	5940-269-2220	POST, BINDING, ELECTRICAL: red, sgl post style, 2.097 h, 0.640 dia, 1.187h above mtg surf, 10-32UNF, w/ mtg hdw PBO1FA03 (81349)	EA	2									2	31
PA-FZ-Z	5935-728-9513	CONNECTOR, RECEPTACLE, ELECTRICAL: crpd, rear mtg jam nut, bay cplg, 16 conts MS3124E20-165 (96906)	EA	1									2	32
PA-FZ-Z	5935-900-2084	CONNECTOR, RECEPTACLE, ELECTRICAL: bay lkg pin, cre, al base aly MS3124E14-5S (96906)	EA	1									2	33
PA-FZ-Z	5935-838-3695	CONNECTOR, RECEPTACLE. ELECTRICAL: bay lkg pin, cre, al base aly MS3124E12-3P (96906)	EA	1									2	34
PA-FZ-Z	5935-725-4484	CONNECTOR, RECEPTACLE, ELECTRICAL: bay lkg pin, cre, al base aly MS3124Ei4-12S (96906)	EA	1									2	35
PA-FZ-Z	5940-269-2219	POST, BINDING, ELECTRICAL: blk, sgl post style, 2.097 h, 0.640 dia. 1.187 h above mtg surf, 10-32UNF-thd, w/ mtg hdw PBO1FA04 (81349)	EA	2									2	36
PA-FZ-Z	5930-169-2609	SWITCH, ROTARY: 3 posns, 0.812 body lg, w / atchg hdw 11662916 (19207)	EA	2									2	37
PA-OZ-Z	5355-284-5186	KNOB: blk body, phen, 1/2 waf, 13/ 16 thk., 1/4 sft dia MS91531-2F2B (96906)	EA	2									2	38
PA-FZ-Z	5930-946-6917	SWITCH,TOGGLE: mintr, tgl sld, SP, SP mtg, 0.731 lg, 0.516 w, 0.562 h, 7/16-32NS-2A MS90311-221 (96906)	EA	1									2	39
PA-FZ-Z	5935-068-3704	SOCKET, RELAY: 10 amps, 1500 V DC at 25° C, w/hdw 10946970 (19207)	EA	1									2	40
PA-FZ-Z	5310-579-0079	WASHER, LOCK: fl-intl-tooth, stl, cd-pld, 0.150-id, 0.295 od, 0.021 thk MS35333-37 (96906)	EA	10									2	41
PA-FZ-Z	5310-934-9747	NUT, PLAIN, HEXAGON: stl, cd-pld, No. 6-32UNC-2B. 5/16 waf, 7/64 thk MS35649-262 (96906)	EA	2									2	42
PA-FZ-Z	5905-140-9841	PLATE, IDENTIFICATION: al, 2.880 lg, 1.380 w, 0.005 thk 11665567 (19207)	EA	2									2	43
PA-FZ-Z	5905-150-1551	RESISTOR, ASSEMBLY: 2.310 lg, 1.080 dia 11662865 (19207)	EA	1									2	44
PA-OZ-Z	5355-065-5064	KNOB: blk body w/insrs, 0.750 dia, 0.500 thk, 0.127 sit dia MS91531-1F1B (96906)	EA	1									2	45

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
PA-FZ-Z	5905-146-6175	RESISTOR, VARIABLE, WIRE WOUND: 1.250 body dia 11662866-2 (19207)	EA	1									2	46
PA-FZ-Z	5905-146-6174	RESISTOR, VARIABLE, WIRE WOUND: 1.250 body dia 11662866-1 (19207)	EA	1									2	47
PA-FZ-Z	5340-060-5386	HANDLE, BOW BRASS: nkl-pld, no 10-32UNF-2B. 4.880 lg, 1.500 h MS390871-3 (96906)	EA	2									2	48
PA-FZ-Z	5305-989-7434	SCREW, MACHINE: pnh, crs-rec, stl. cd-pld, No. 10-32UNF- 2A, 1/2 lg MS35207-263 (96906)	EA	4									2	49
PA-FZ-Z	5310-014-5850	WASHER, FLAT: stl, cd-pld, 0.219 id, 0.500 od. 0.049 thk MS27183-42 (96906)	EA	18									2	50
PA-FZ-Z	5310-576-5752	WASHER, LOCK: stl, cd-pld, fl-intl-tooth. No. 10 screw size. 0.195 od, 0.025 thk MS35333-39 (96906)	EA	18									2	51
PA-FZ-Z	4933-140-3948	SWITCH, ROTARY: 24 posns, 3.400 body lg. w/atchg hdw 11662914 (19207)	EA	1									2	52
PA-OZ-Z	5355-160-6099	KNOB: rnd-sft, 2-1/16 dia, 7/8 thk, 1/4 sft dia, w/line, 1 setsrew MS91531-3F2B (96906)	EA	3									2	53
PA-FZ-Z		SWITCH, ROTARY: 24 posns, 3.898 body lg, w/atchg hdw 11662915 (19207)	EA	2									2	54
PA-FZ-Z	5305-984-6189	SCREW, MACHINE: pnh, crs -rec stl, cd-pld, No. 8-32UNC- 2A, 1/4 lg MS35206-241 (96906)	EA	4									2	55
PA-FZ-Z	5310-559-0070	WASHER LOCK; fl-intl-tooth, stl, cd-pld, No. 8 screw size, 0.340 od, 0.023 thk MS35333-38 (96906)	EA	4									2	56
PA-FZ-Z	5925-847-7944	CIRCUIT BREAKER: push-pull, 5 amps, type 1 MS24510-5 (96906)	EA	1									2	57
PA-FZ-Z	5305-989-7435	SCREW, MACHINE: pnh, crs-rec, stl, cd-pld, No. 10-32UNF- 2A, 5/16 lg MS35207-264 (96906)	EA	14									2	58
PA-FZ-Z	4933-148-5276	SPACER. PLATE: al-aly, 6.620 lg, 2.500 w, 0.063 thk, 8 mtg holes, 0.159 dia 11665539 (19207)	EA	1									2	59
PA-FZ-Z	5305-984-4984	SCREW, MACHINE: pnh, crs-rec, stl, cd-pld, No. 6-32UNC- 2A, 5/16 lg MS5206-227- (96906)	EA	8									2	60
PA-FZ-Z	5310-082-1404	WASHER, FLAT: stl. cd-pld, 0.156 id, 0.375 od, 0.049 thk MS27183-6 (96906)	EA	8									2	61

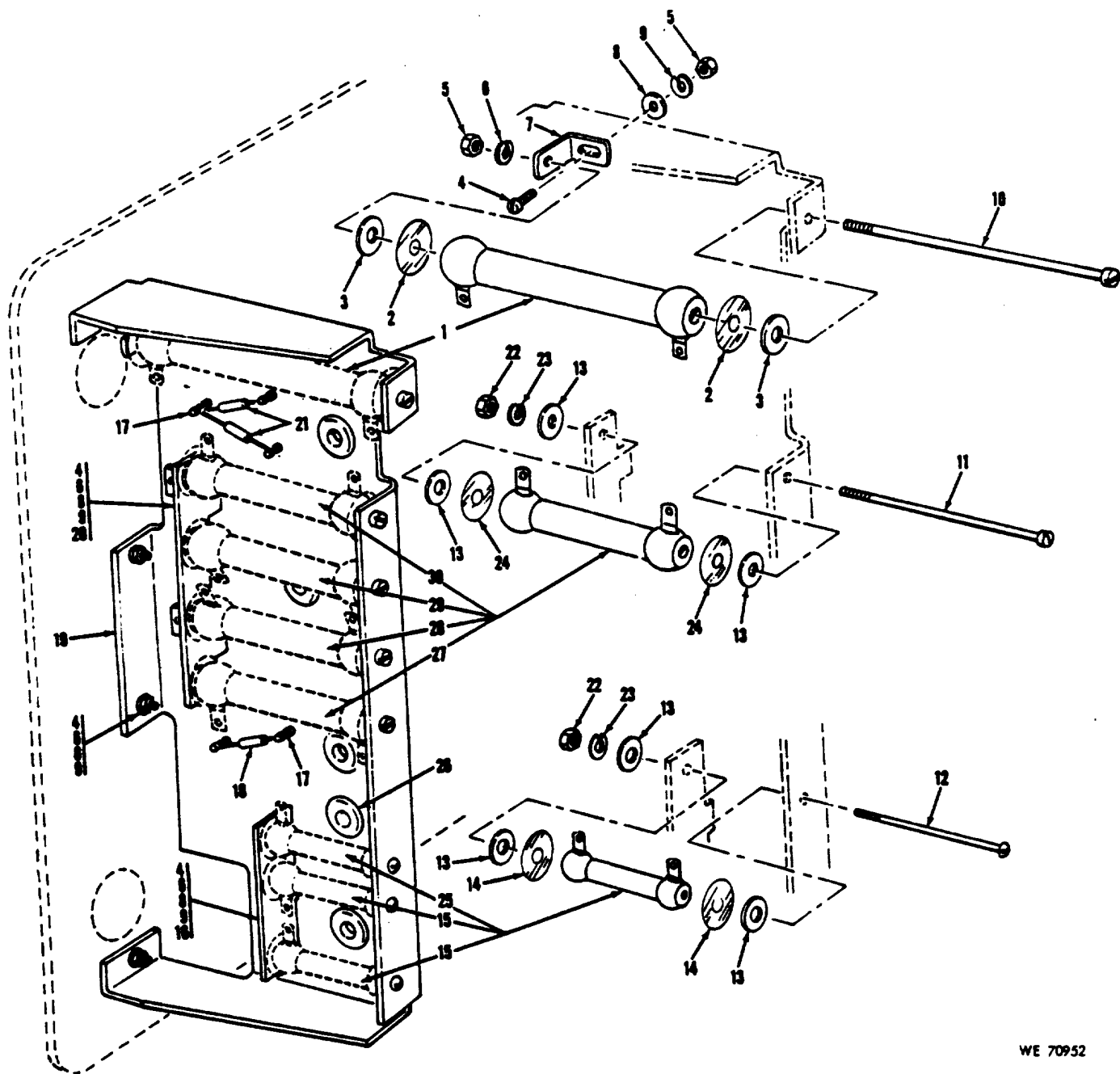


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Figure 3. Electron Tube, Delay Element, Armature Relay, Bracket and Related Parts

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
		EL.ECTRON TUBE, DELAY ELEMENT, ARMATURE RELAY, BRACKET, and RELATED PARTS (FIG. 3)												
PA-FZ-Z	5310-983-8483	WASHER FLAT: stl, cd-pld, 0. 156 id, 0.312 od, 0.035 thk MS27183-5 (96906)	EA	34									3	1
PA-FZ-Z	5310-579-0079	WASHER, FLAT: fl-intl-tooth, stl, cd-pld, No. 6 screw size, 0.295 od, 0.021 thk MS35333-37 (96906)	EA	32									3	2
PA-FZ-Z	5305-984-4983	SCREW. MACHINE: pnh, crs-rec, stl, cd-pld, No. 6-3JUNC- 2A, 1/4 lg MS35206-226 (96906)	EA	14									3	3
PA-FZ-Z	5945-802-6385	RELAY, ARMATURE: 10 amps, 28 vdc 11699931-1 (19205)	EA	7									3	4
PA-FZ-Z	5935468-3704	SOCKET, RELAY: 10 amps 1500 vdc, w / hdw 10946970 (19207)	EA	7									3	5
PA-FZ-Z	5305-984-4988	SCREW, MACHINE: pnh, crs-rec, stl, cd-pld, No. 6-32UNC- 2A, 3/8 lg MS35206-228 (96906)	EA	4									3	6
PA-FZ-Z	1025-946-8643	DELAY ELEMENT: adj sol state 1.5 vdc output 10945168 (19207)	EA	1									3	7
PA-FZ-Z	5935-946-8667	SOCKET, ELECTRON TUBE: 9/ 16 thk, 1-11/ 32 w 10945179 (19207)	EA	2									3	8
PA-FZ-Z	5305-889-2997	SCREW, MACHINE: pnh, crs-rec, stl, cd-pld, No. 4-40UNC- 2A, 3/8 lg MS35206-215 (96906)	EA	2									3	9
PA-FZ-Z	5960-915-5715	SHIELD, ELECTRON TUBE: cd-pld, beryllium cop base and spring, soft cop shell, 2.110 lg of shield 1.110 w 10947278 (19207))	EA	2									3	10
PA-FZ-Z	5305-762-7482	SCREW, MACHINE: pnh, crs-rec, stl, cd-pld, No. 2-56UNC- 2A, 3/16 lg MS35206-202 (96906)	EA	8									3	11
PA-FZ-Z	5960-134-6073	ELECTRON TUBE: glass, twin triode 6005W (81349)	EA	2									3	12
PA-FZ-Z	5945-152-7596	BRACKET, DOUBLE ANGLE: al-aly, 9.500 lg, 2.930 w 11678908 (19207)	EA	1									3	13
PA-FZ-Z	5310-934-9738	NUT, PLAIN, HEXAGON: stl, cd-pld, No. 2-56UNC-2B, 0.187 waf, 1/16 thk MS35649-222 (96906)	EA	8									3	11
PA-FZ-Z	5310-087-0057	WASHER, FLAT: stl, cd-pld, 0.094 id, 0.250 od, 0.020 thk MS27183-2 (96906)	EA	8									3	12
PA-FZ-Z	5310-950-1310	WASHER, FLAT: stl, cd-pld, 0.125 id, 0.312 od, 0.032 thk MS27183-4 (96906)	EA	2									3	13

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
PA-FZ-Z	5310-193-7577	WASHER LOCK: fl-intl-tooth, stl, cd-pld, No. 4 screw size, 0.270 od, 0.019 thk MS35333-36 (96906)	EA	2									3	17
PA-FZ-Z	5310-934-9739	NUT, PLAIN, HEXAGON: stl, cd-pld, No. 4-40UNC-2B, V4 waf, 3/32 thk MS35649-242 (96906)	EA	2									3	18
PA-FZ-Z	5310-934-9747	NUT, PLAIN, HEXAGON: stl, cd-pld, No. 6-32UNC-2B, 5/16 waf, 7/64 thk MS35649-262 (96906)	EA	18									3	19
PA-FZ-Z	5940-086-2358	TERMINAL, LUG: 3.188 lg between mtg holes, 0.310 w, 0.850 h 11663313 (19204)	EA	3									3	20
PA-FZ-Z	5310-934-9755	NUT, PLAIN, HEXAGON: stl cd-pld, No. 6-40UNF-2B, 5 / 16 waf, 7/64 thk MS35650-362 (96906)	EA	6									3	21
PA-FZ-Z	5310-045-4007	WASHER, LOCK: fl-intl-tooth, stl, cd-pld, 0.332 id, 0.610 od, 0.034 thk MS35338-41 (96906)	EA	6									3	22
PA-FZ-Z	5310-082-1404	WASHER, FLAT: stl, cd-pld 0.156 id, 0.375 od, 0.049 thk MS27183-6 (96906)	EA	6									3	23
PA-FZ-Z	5305-989-7434	SCREW, MACHINE: pnh, crs-rec, stl, cd-pld, No. 10-32UNF-2A, 1/2 lg MS35207-263 (96906)	EA	5									3	24
PA-FZ-Z	4933-147-2100	CIRCUIT CARD ASSEMBLY: A5 plate sh, cop clad, 2 resistors, 1 capacitor, 7 semi-conductors 11665046 (19207)	EA	1									3	25
PA-FZ-Z	5310-014-5850	WASHER, FLAT: stl, cd-pld, 0.219 id, 0.500 od, 0.049 thk MS27183-42 (96906)	EA	5									3	26
PA-FZ-Z	5310-576-5752	WASHER, LOCK: f-intl-tooth, stl, cd-pld, No. 10 screw size, 0.195 od, 0.025 thk MS35333-39 (96906)	EA	5									3	27
PA-FZ-Z	5310-934-9751	NUT, PLAIN HEXAGON: stl, cd-pld, No. 10-32UNF-2B, 3/8 waf, 4 thk MS 35650-302 (96906)	EA	5									3	28
PA-FZ-Z	5305-958-4352	SCREW, MACHINE: pnh, crs-rec, stl, cd-pld, No. 6-40UNF-2A, MS35207-228 (96906)	EA	6									3	29



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Figure 4. Relay mounting bracket and related parts

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
		RELAY MOUNTING BRACKET AND RELATED PARTS (FIG. 4)												
PA-FZ-Z	5905-824-8544	RESISTOR, FIXED, WIRE WOUND: power type, 1.5 ohms RW35V152 (81349)	EA	1									4	1
PA-FZ-Z	5970-881-3556	INSULATOR, WASHER: mica, 1/2 id, 1 od, 0.031 to 0.094 thk MS75009-3 (96906)	EA	2									4	2
PA-FZ-Z	5310-851-2242	WASHER, SHOULDERED: crtg cup type, 0.463 id, 0.750 od, 0.156 bevel MS75009-5 (96906)	EA	2									4	3
PA-FZ-Z	5305-989-7434	SCREW, MACHINE: pnh, crs-rec, stl, cd-pld, No. 10-32UNF- 2A, 1/2 lg MS35207-263 (96906)	EA	6									4	4
PA-FZ-Z	5310-934-9751	NUT, PLAIN, HEXAGON: stl, cd-pld, No. 10-32UNF-2B, 3/8 waf, 1/8 thk MS35650-302 (96906)	EA	9									4	5
PA-FZ-Z	5310-045-3296	WASHER, LOCK: split, stl, cd-pld, No. 10 screw size, 0.334 od, 0.062 w, 0.047 thk MS3533843 (96906)	EA	1									4	6
PA-FZ-Z	5340-486-6311	BRACKET, MOUNTING, RESISTOR: al-sly. 1/2 w. 0.063 thk, 0.930 leg A lg, 0.750 leg B lg 11665403 (19207)	EA	1									4	7
PA-FZ-Z	5310-014-5850	WASHER, FLAT: stl, cd-pld, 0.219 id, 0.500 od, 0.049 thk MS2718342 (96906)	EA	8									4	8
PA-FZ-Z	5310-576-5752	WASHER, LOCK: fl-intl-tooth. No. 10 screw size, 0.195 od, 0.025 thk MS35333-39 (96906)	EA	8									1	9
PA-FZ-Z	5305-954-1992	SCREW, MACHINE: pnh, No. 10-32UNF-2A, 1.750 thd, lg, 4.750 oa lg MS75009-19 (96906)	EA	1									4	10
PA-FZ-Z	5305-915-2212	SCREW, MACHINE: pnh, No. 8-32UNC-2A. 3.750 lg MS75009-18 (96906)	EA	4									4	11
PA-FZ-Z	5305-984-6203	SCREW, MACHINE: pnh, crs-rec, stl, cd-pld, No. 8-32UNC- 2A, 2 1/2 lg MS35206-255 (96906)	EA	3									4	12
PA-FZ-Z	5310-765-3197	WASHER, FLAT: stl, cd-pld, 0.188 id, 0.438 od, 0.049 thk MS27183-41 (96906)	EA	21									4	13
PA-FZ-Z	5970-883-8517	INSULATOR, WASHER: mica, 0.165 id, 0.469 od. 0.031 thk MS75009-1 (96906)	EA	6									4	14
PA-FZ-Z	5905-299-7979	RESISTOR, FIXED. WIRE WOUND: power type. 2 ohms RW29V202 (81349)	EA	2									4	15

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
PA-FZ-Z	5340-160-8643	BRACKET, ANGLE: al-aly, 0.867 leg A lg, 0.687 leg B lg, 0.063 thk, 2.880 w 11679109 (19204)	EA	1									4	16
PA-FZ-Z	5940-051-6257	TERMINAL, FEEDTHRU, INSULATED: whi plate, 0.359 lg, 0.172 dia, 0.148 prft SE079B01 (81349)	EA	5									4	17
PA-FZ-Z	5905-141-1187	RESISTOR, FIXED, COMPOSITION: 0.375 lg, 0.138 od, 20 k ohms, 0.5 watts RCR20G203JS (81349)	EA	1									4	18
PA-FZ-Z	1025-163-0864	BRACKET, RELAY MOUNTING: al-aly, 11.750 g, 4.710 w, 0.930 h 11678907 (19207)	EA	1									4	19
PA-FZ-Z		BRACKET, MOUNTING: al-aly, 4 lg, 0.930 w 11678909 (19207)	EA	1									4	20
PA-FZ-Z	5905-994-7229	RESISTOR, FIXED, WIRE WOUND: 230 ohms RW69V240 (81349)	EA	2									4	21
PA-FZ-Z	5310-934-9757	NUT, PLAIN, HEXAGON: stl, cd-pld, No. 8-32UNC-2B, 11/32 waf, 1/8 thk MS35649-282 (96906)	EA	7									4	22
PA-FZ-Z	5310-045-3299	WASHER, LOCK: fl-intl-tooth, al, cd-pld, 3/8 screw size, 0.670 ad, 0.032 thk MS35338-42 (96906)	EA	7									4	23
PA-FZ-Z	5970-814-0393	INSULATOR, WASHER, mica, 0.750 od, 0.031 to 0.094 thk MS75009-2 (96906)	EA	8									4	24
PA-FZ-Z	5905-825-7748	RESISTOR, FIXED, WIRE WOUND: power type, 240 ohms RW29V241 (81349)	EA	1									4	25
PA-FZ-Z	5325-543-2902	GROMMET, RUBBER: hot oil and cool-res, 3/4 od, 3/16 hole dia, 9/16 groove dia MS35489-134 (96906)	EA	5									4	26
PA-FZ-Z	5905-842-2978	RESISTOR, FIXED, WIRE WOUND: power type, 3 ohms RW33V3RO (81349)	EA	1									4	27
PA-FZ-Z	5905-087-4012	RESISTOR, FIXED, WIRE WOUND: power type, 33 ohms RW33V330 (81349)	EA	1									4	28
PA-FZ-Z	5905-851-6918	RESISTOR, FIXED, WIRE WOUND: power type, 68 ohms RW33V680 (81349)	EA	1									4	29
PA-FZ-Z	5905-665-6340	RESISTOR, FIXED, WIRE WOUND: power type, 0.102 102 ohms RW33V102 (81349)	EA	1									4	30

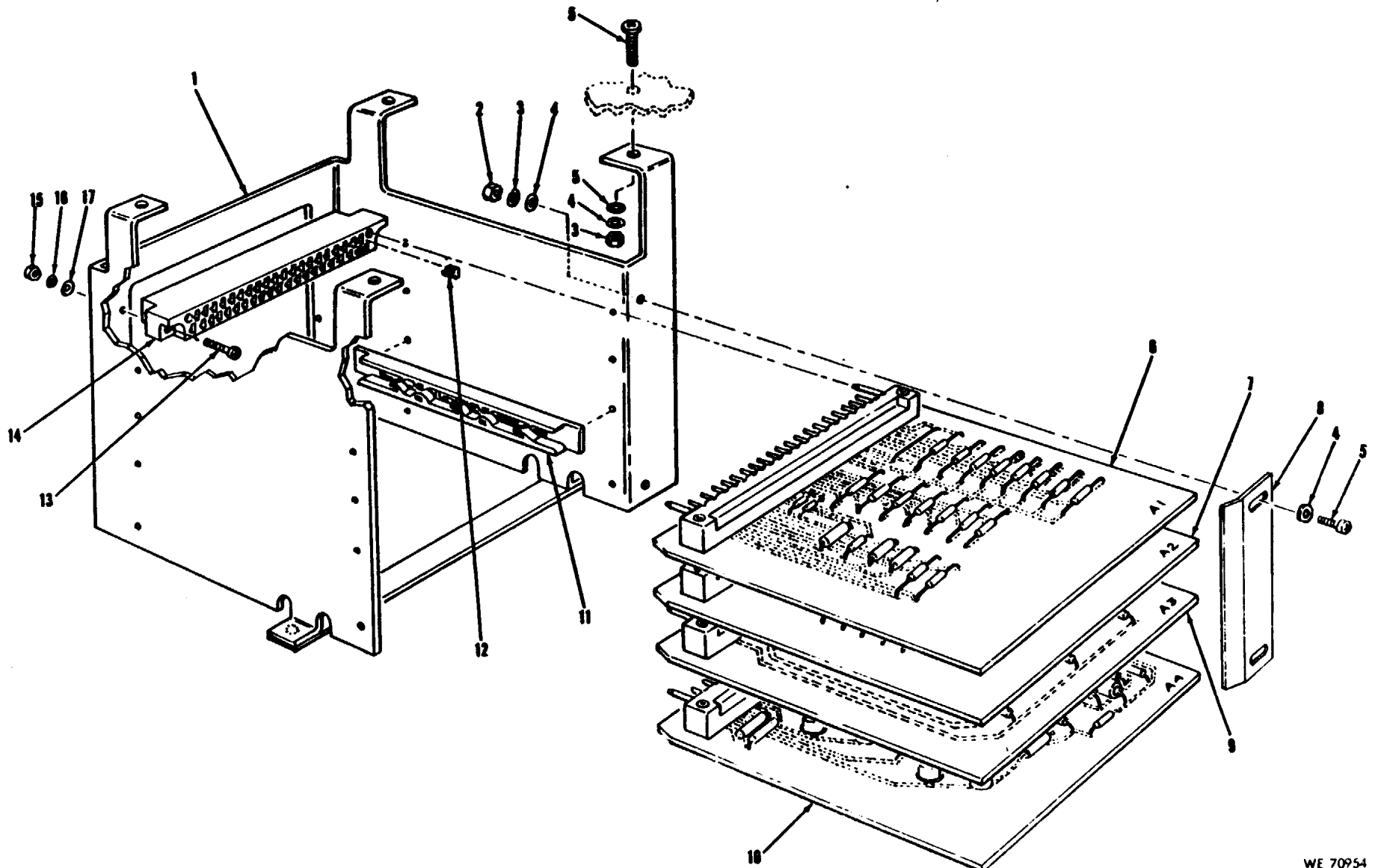


Figure 5. Mounting bracket and related parts.

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(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
		MOUNTING BRACKET AND RELATED PARTS (FIG. 5)												
PA-FZ-Z	4933-163-4788	BRACKET, MOUNTING, CIRCUIT BOARD: al, andzd, 5.750 l, 4.750 w, 0.063 thk 11678903 (19207)	EA	1									5	1
PA-FZ-Z	5310-934-9751	NUT, PLAIN, HEXAGON: stl, cd-pld, No. 1.0-32UNF-2B, waf. 4 thk MS35650-302 (96906)	EA	6									5	2
PA-FZ-Z	5310-576-5752	WASHER, LOCK: fl-intl-tooth, No. 10 screw size, 0.195 od, 0.025 thk MS35333-39 (96906)	EA	6									5	3
PA-FZ-Z	5310-014-5850	WASHER, FLAT: stl, cd-pld, 0.219 id, 0.500 od, 0.049 thk MS2718342 (96906)	EA	8									5	4
PA-FZ-Z	5305-989-7434	SCREW, MACHINE: pnh, cr-rec. stl, cd-pld, No. 10-32UNF- 2A, 1/2 lg MS35207-263 (96906)	EA	6									5	5
PA-FD-L	4933-497-8273	CIRCUIT CARD ASSEMBLY: A1, 5.200 lg, 4.850 w, 0.597 h, 27 cmpnts 11665564 (19207)	EA	1									5	6
PA-FD-L	4933-497-8272	CIRCUIT CARD ASSEMBLY: A2, 5.200 lg, 4.850w, 0.597 h, 27 cmpnts 11665563 (19207)	EA	1									5	7
PA-FZ-Z	5999-147-0769	RETAINER, PLATE. PRINTED CIRCUIT BOARD: al-aly 11678905 (19207)	EA	1									5	8
PA-FD-L	4933-138-8422	CIRCUIT CARD ASSEMBLY: A3, cop clad plstc sh 11665043 (19207)	EA	1									5	9
PA-FD-L	4933-350-1892	CIRCUIT CARD ASSEMBLY: A4, cop clad plstc sh, 5 lg, 5 w 11665042 (19207)	EA	1									5	10
PA-FZ-Z	4960-787-5299	GUIDE, CIRCUIT CARD: polycarbonate "Lexon" or equal RAD4125 (07556)	EA	8									5	11
PA-FZ-Z	5935-465-4562	KEY, POLARIZING CONNECTOR: M21097/11 / 07 (81349)	EA	8									5	12
PA-FZ-Z	5305-889-2999	SCREW, MACHINE: pan-hd, crs-rec, ad, cd-pld, No. 4-40UNC- 2A, 1/2 lg MS35206-217 (96906)	EA	8									5	13
PA-FZ-Z	5935-156-0253	CONNECTOR, RECEPTACLE, ELECTRICAL: 4.790 lg, 0.400 w, 0.745 o/a h M21097/ 13-05 (81349)	EA	4									5	14
PA-FZ-Z	5310-934-9739	NUT, PLAIN, HEXAGON: stl, cd-pld. No. 4-40UNC-2B. 1/4 waf, 3 / 32 thk MS35649-242 (96906)	EA	8									5	15

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a) FIG NO	(b) ITEM NO
					1-20	21-50	51-100	1-20	21-50	51-100				
PA-FZ-Z	5310-193-7577	WASHER, LOCK: fl-intl-tooth, 0.123 id, 0.270 od, 0.019 thk MS35333-36 (96906)	EA	8									5	16
PA-FZ-Z	5310-950-1310	WASHER, FLAT: stl. cd-pld. 0.125 id, 0.312 od, 0.032thk MS27183-4 (96906)	EA	8									5	17

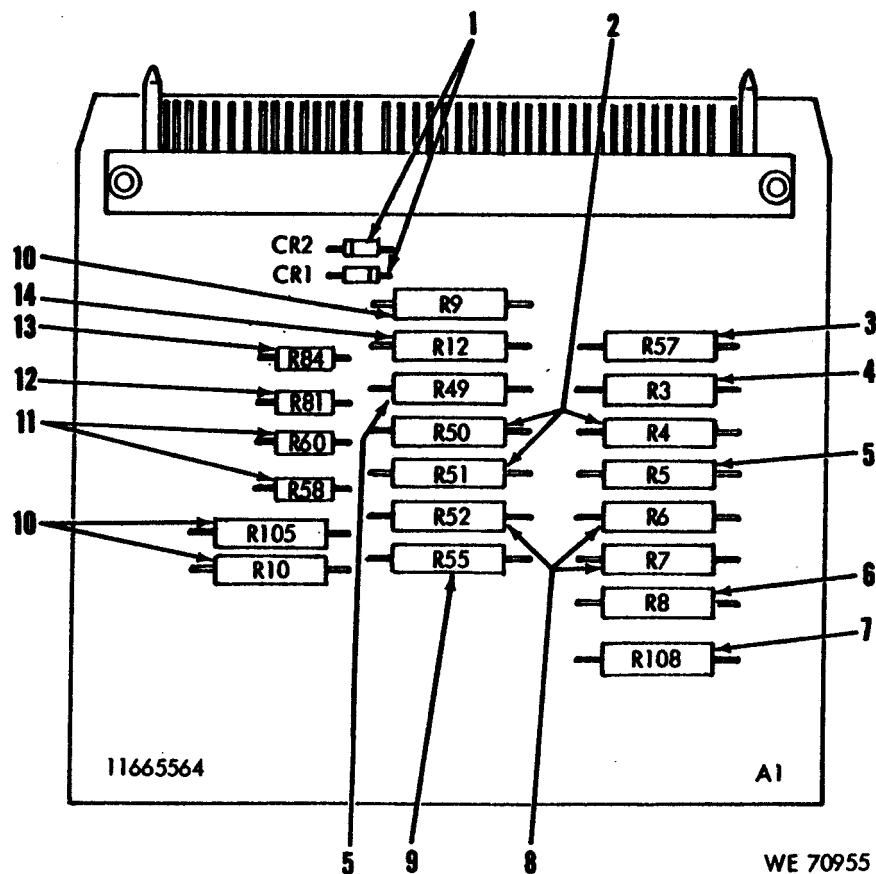


Figure 6. Circuit card assembly, A1.

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
		CIRCUIT CARD ASSEMBLY A1 (FIG. 6)												
PA-DZ-Z	5961-722-1480	SEMICONDUCTOR DEVICE. DIODE: 600v 116491438-1 (92417)	EA	2									6	1
PA-DZ-Z	5905-147-7093	RESISTOR, FIXED. WIRE WOUND: 140 k ohms RBR54L14002FR (81349)	EA	3									6	2
PA-DZ-Z	5905-761-6592	RESISTOR, FIXED. WIRE WOUND: 47 k ohms RBR54L47501FR (81349)	EA	1									6	3
PA-DZ-Z	5905-431-5328	RESISTOR, FIXED. WIRE WOUND: 1 meg ohm RBRH53L10003FS (81349)	EA	1									6	4
PA-DZ-Z	5905-490-7978	RESISTOR, FIXED. WIRE WOUND: 75 k ohms RBR54L75001FR (81349)	EA	2									6	5
PA-DZ-Z	5905-766-9930	RESISTOR, FIXED. WIRE WOUND: 39 k ohms RBR54L39201FR (81349)	EA	1									6	6
PA-DZ-Z	5905-866-0796	RESISTOR, FIXED, FILM: high stability, 130 k ohms RN70D1303F (81349)	EA	1									6	7
PA-DZ-Z	5905-451-0663	RESISTOR, FIXED, WIRE WOUND: 69.8 k ohms RBR54L69801FR (81349)	EA	3									6	8
PA-DZ-Z	5905-451-0643	RESISTOR, FIXED, WIRE WOUND: 3.01 L ohms RBR54L30100FR (81349)	EA	1									6	9
PA-DZ-Z	5905-147-7092	RESISTOR, FIXED, WIRE WOUND: 13 k ohms RBR54L13001FR (81349)	EA	3									6	10
PA-DZ-Z	5905-492-7944	RESISTOR, FIXED. FILM: insul, 3 k ohms RLR20C302GR (81349)	EA	2									6	11
PA-DZ-Z	5905-111-4841	RESISTOR, FIXED. COMPOSITION: 13 ohms. 5/ 10 waits RCR20G133JS (81349)	EA	1									6	12
PA-DZ-Z	5905-141-0600	RESISTOR, FIXED. COMPOSITION: insul, 8.2 k ohms RCR20G822JS (81349)	EA	1									6	13
PA-DZ-Z	5905-451-7420	RESISTOR, FIXED, WIRE WOUND: 499 k ohms RBR54L49902FR (81349)	EA	1									6	14

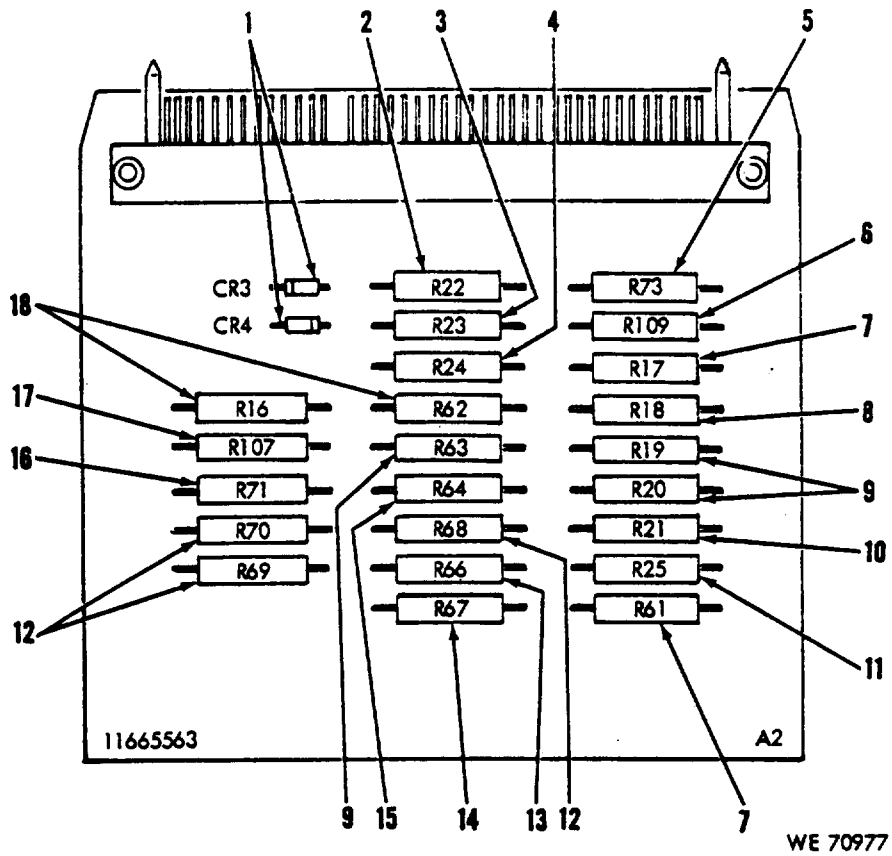


Figure 7. Circuit card assembly A2.

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
		CIRCUIT CARD ASSEMBLY A2 (FIG. 7)												
PA-DZ-Z	5961-722-1480	SEMICONDUCTOR DEVICE DIODE: 600v 11640438 (19207)	EA	2									7	1
PA-DZ-Z	5905-147-7092	RESISTOR, FIXED, WIRE WOUND: 13 k ohms RBR54L13001FR (81349)	EA	1									7	2
PA-DZ-Z	5905-866-0796	RESISTOR, FIXED, FILM: high stability, 1.3 meg ohms RN70D1303F (81349)	EA	1									7	3
PA-DZ-Z	5905-496-4222	RESISTOR, FIXED, WIRE WOUND: 100 k ohms RBR54L10002FR (81349)	EA	1									7	4
PA-DZ-Z	5905-766-9931	RESISTOR, FIXED, WIRE WOUND: 4.7 k ohms RBR54L47500FR (81349)	EA	1									7	5
PA-DZ-Z	5905-451-7420	RESISTOR, FIXED, WIRE WOUND: 499 k ohms RBR54L49902FR (81349)	EA	1									7	6
PA-DZ-Z	5905-490-7978	RESISTOR, FIXED, WIRE WOUND: 75 k ohms RBR54L75001FR (81349)	EA	2									7	7
PA-DZ-Z	5905-147-17093	RESISTOR, FIXED, WIRE WOUND: 140 k ohms RBR54L14002FR (81349)	EA	1									7	8
PA-DZ-Z	5905-451-0663	RESISTOR, FIXED, WIRE WOUND: 69.8 k ohms RBR54L69801FR (81349)	EA	3									7	9
PA-DZ-Z	5905-147-7094	RESISTOR, FIXED, WIRE WOUND: 1.8 k ohms RBR54L18000FR (81349)	EA	1									7	10
PA-DZ-Z	5905-766-9930	RESISTOR, FIXED, WIRE WOUND: 39 k ohms RBR54L39201FR (81349)	EA	1									7	11
PA-DZ-Z	5905-138-1000	RESISTOR, FIXED, WIRE WOUND: 121 k ohms RBR54L12102FR (81349)	EA	2									7	12
PA-DZ-Z	5905-490-7954	RESISTOR, FIXED, WIRE WOUND: 2 k ohms RBR54L20000FR (81349)	EA	1									7	13
PA-DZ-Z	5905-451-0591	RESISTOR, FIXED, WIRE WOUND: 29.4 k ohms RBR54L29401FR (81349)	EA	2									7	14
PA-DZ-Z	5905-141-7090	RESISTOR, FIXED, WIRE WOUND: 11 k ohms RBR54L11001FR (81349)	EA	1									7	15
PA-DZ-Z	5905-147-7095	RESISTOR, FIXED, WIRE WOUND: 19.1 k ohms RBR54L19101FR (81349)	EA	1									7	16
PA-DZ-Z	5905-431-5328	RESISTOR, FIXED, WIRE WOUND: 1 meg ohm RBR53L10003FS (81349)	EA	1									7	17
PA-DZ-Z	5905-147-0626	RESISTOR, FIXED, WIRE WOUND: 301 k ohms RBR54L30102FR (81349)	EA	2									7	18

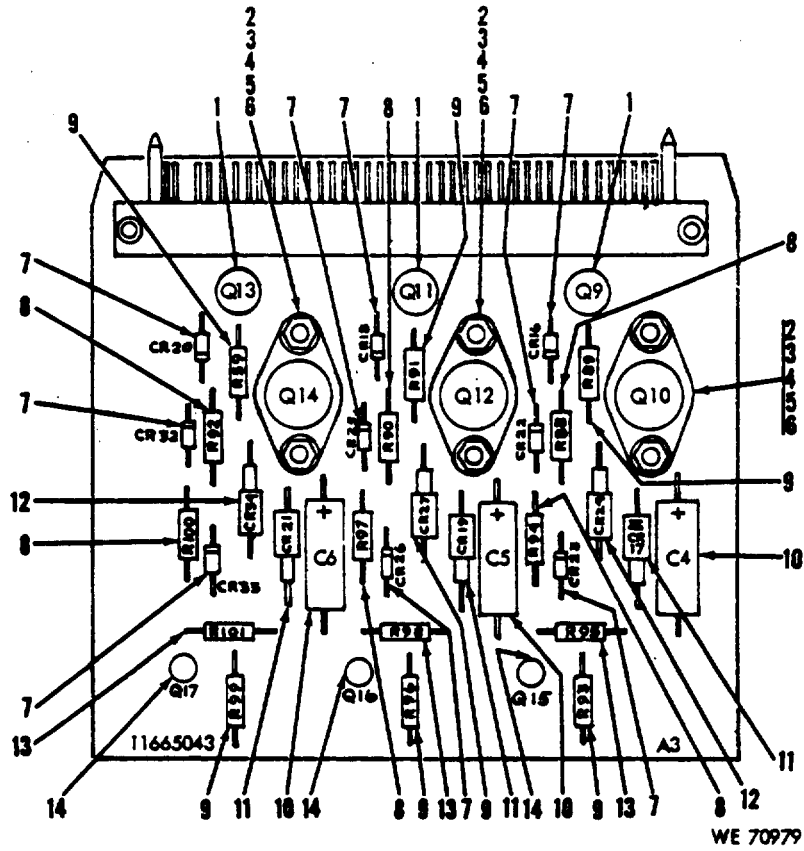


Figure 8. Circuit card assembly A3.

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
		CIRCUIT CARD ASSEMBLY A3 (FIG. 8)												
PA-DZ-Z	5961-836-4183	TRANSISTOR: silicon, 3 wires 11640486 (19207)	EA	3									8	1
PA-DZ-Z	5961-996-1805	TRANSISTOR: silicon, 2 pine 11662734 (19207)	EA	3									8	2
PA-DZ-Z	5305-889-2997	SCREW, MACHINE: crs-rec, stl, cd-pld, No. 4-40UNC-2A, 0.375 lg MS35206-215 (96906)	EA	6									8	3
PA-DZ-Z	5310-951-4679	WASHER, FLAT: stl. cd-pld, 1/8 screw size, 0.250 od, 0.022 thk MS27183-3 (96906)	EA	6									8	4
PA-DZ-Z	5310-950-1310	WASHER. FLAT: ad, cd-pld, 1/8 screw size, 0.312 od, 0.032 thk MS27183-4 (96906)	EA	6									8	5
PA-DZ-Z	5310-934-9739	NUT, PLAIN, HEXAGON: all, cd-pld, No. 4-40UNC-2B, 1/4 waf, 3/32 thk MS35649-242 (96906)	EA	6									8	6
PA-DZ-Z	5961-722-1480	SEMICONDUCTOR DEVICE, DIODE: 600v 11640438-1 (19207)	EA	9									8	7
PA-DZ-Z	5905-104-8348	RESISTOR, FIXED, COMPOSITION: insul, 3.3 k ohms RCR20G332JS (81349)	EA	6									8	8
PA-DZ-Z	5905-141-0595	RESISTOR, FIXED, COMPOSITION: insul, 4.7 ohms RCR20CG472JS (81349)	EA	6									8	9
PA-DZ-Z	5910-726-5003	CAPACITOR, FIXED, ELECTROLYTIC: 35 vdc CSR13F476MM (81349)	EA	3									8	10
PA-DZ-Z	5961-837-9288	SEMICONDUCTOR DEVICE, DIODE: silicon. 2 wires IN3029B (81349)	EA	3									8	11
PA-DZ-Z	5961-853-1065	SEMICONDUCTOR DEVICE, DIODE: silicon IN3026B (81349)	EA	3									8	12
PA-DZ-Z	5905-111-4738	RESISTOR, FIXED, COMPOSITION: 1.5 k ohms RCR20G152JS (81349)	EA	3									8	13
PA-DZ-Z	5961-520-5617	TRANSISTOR: 4 flex leads 2N3822 (81349)	EA	3									8	14

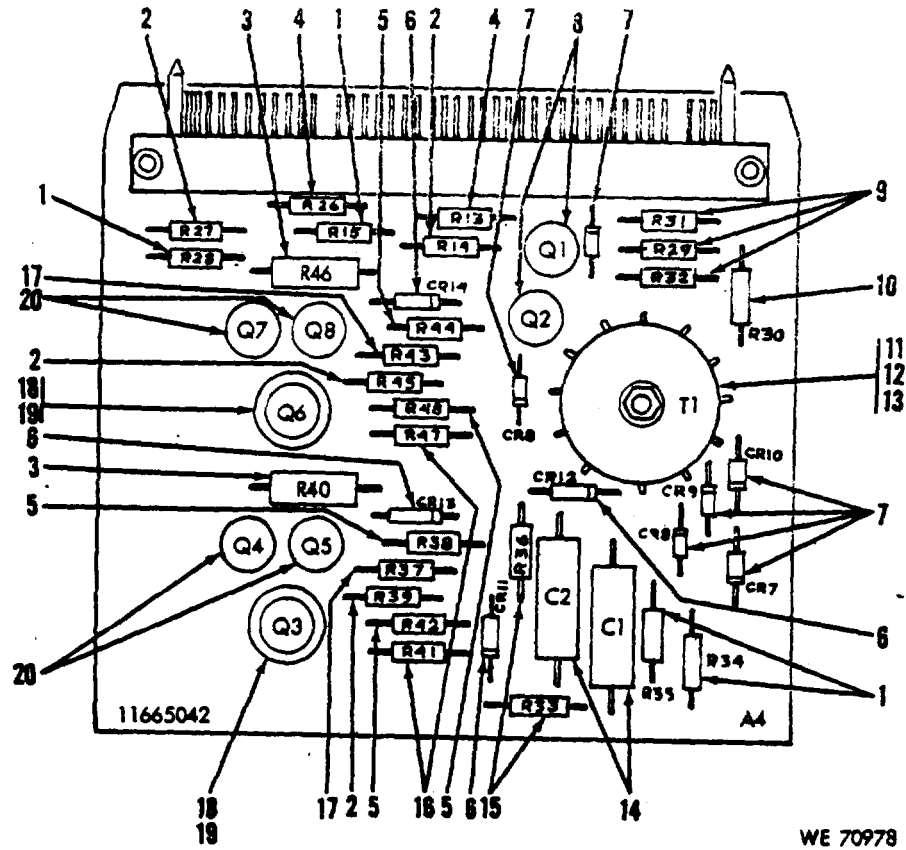
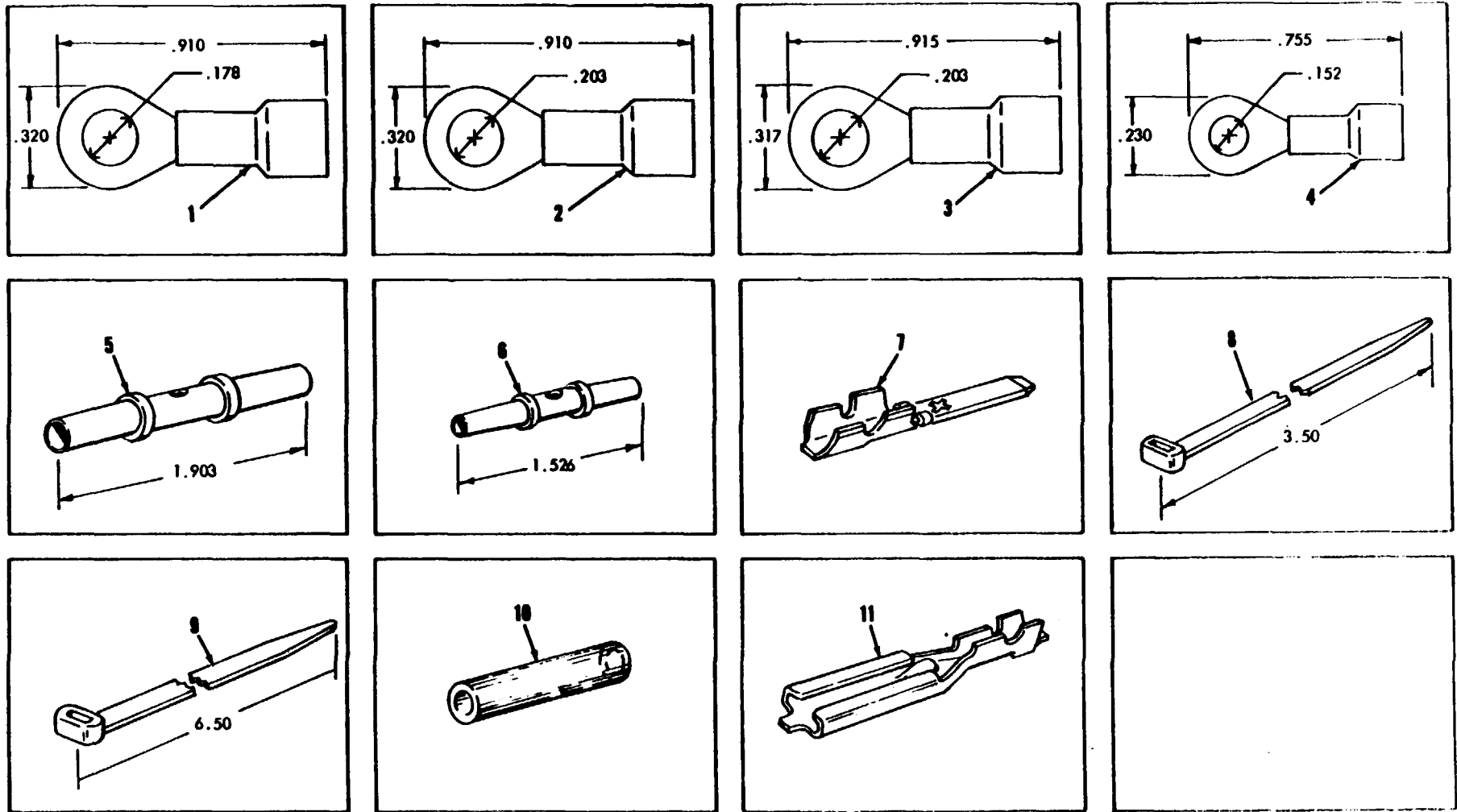


Figure 9. Circuit card assembly A4.

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
		CIRCUIT CARD ASSEMBLY A4 (FIG. 9)												
PA-DZ-Z	5905-914-9256	RESISTOR, FIXED, FILM: 10 k ohms RLR30C103GR (81349)	EA	4									9	1
PA-DZ-Z	5905-914-9192	RESISTOR, FIXED, FILM: 15 k ohms RLR30C153GR (81349)	EA	4									9	2
PA-DZ-Z	5905-829-2897	RESISTOR, FIXED, FILM: high stability, 4.7 k ohms RNR65D4701D (81349)	EA	2									9	3
PA-DZ-Z	5905-914-9257	RESISTOR, FIXED, FILM: 5.2 k ohms RLR20C822GR (81349)	EA	2									9	4
PA-DZ-Z	5905-141-0595	RESISTOR, FIXED, COMPOSITION: 4.7 k ohms RCR300472JS (81349)	EA	4									9	5
PA-DZ-Z	5961-847-5247	SEMICONDUCTOR DEVICE, DIODE: silicon JANIN748A (81349)	EA	4									9	6
PA-DZ-Z	5961-722-1480	SEMICONDUCTOR DEVICE, DIODE: 600v 11640438-1 (19207)	EA	6									9	7
PA-DZ-Z	5961-836-4183	TRANSISTOR: silicon, 3 wire 11640486 (19207)	EA	2									9	8
PA-DZ-Z	5905-104-8348	RESISTOR, FIXED, COMPOSITION: 3.3 k ohms RCR20G332JS (81349)	EA	3									9	9
PA-DZ-Z	5905-141-1165	RESISTOR, FIXED, COMPOSITION: 6.8 k ohms RCR20G682JS (81349)	EA	1									9	10
PA-DZ-Z	5950-147-9431	TOROID ASSEMBLY: 11586491 (19207)	EA	1									9	11
PA-DZ-Z	5310-951-4679	WASHER, FLAT: ,stl, cd-pld. 1/8 screw size, 0.250 od, 0.022 thk MS27183-3 (96906)	EA	1									9	12
PA-DZ-Z	5305-984-4977	SCREW, MACHINE: pnh, crs-rec, stl, cd-pld. No. 4-40UNC- 2A, 0.875 lg MS35206-220 (96906)	EA	1									9	13
PA-DZ-Z	5910-726-5003	CAPACITOR, FIXED, ELECTROLYTIC: 35 vdc CSR13F476MM (81349)	EA	2									9	14
PA-DZ-Z	5905-110-0196	RESISTOR, FIXED, COMPOSITION: 1 k ohm RCR20G102JS (81349)	EA	2									9	15
PA-DZ-Z	5905-434-8693	RESISTOR, FIXED, FILM: 47 k ohms RLR20C473GR (81349)	EA	2									9	16
PA-DZ-Z	5905-114-5441	RESISTOR, FIXED, COMPOSITION: 56 k ohms RCR20G563JS (81349)	EA	2									9	17
PA-DZ-Z	5935-945-3392	PAD, TRANSISTOR: 1/2 dia. 0.275 thk 11603837 (19207)	EA	2									9	18
PA-DZ-Z	5961-053-4494	SEMICONDUCTOR DEVICE SET: transistor, 0.005 v max 10947235-2 (19207)	EA	2									9	19
PA-DZ-Z	5961-081-8365	TRANSISTOR: silicon, 3 wire terminal 2N1131 (81349)	EA	4									9	20



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Figure 10. Terminals, splices, straps, sleeving, and contacts.

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
		TERMINAL, SPLICES, STRAPS, SLEEVING, AND CONTACTS (FIG 10)												
PA-FZ-Z	5940-557-4629	TERMINAL, LUG: crp. crpd. cop, insul. size 26-24 MS25036-149 (96906)	EA	5									10	1
PA-FZ-Z	5940-443-4771	TERMINAL, LUG: crp. crpd. cop, insul. size 22-18 MS25036-103 (96906)	EA	10									10	2
PA-FZ-Z	5940-443-4780	TERMINAL, LUG: crp. crpd. cop. insul. size 16-14 MS25036-108 (96906)	EA	1									10	3
PA-FZ-Z	5940-813-0698	TERMINAL, LUG: crp. crpd. cop, insul. size 26-24 MS25036-101 (96906)	EA	8									10	4
PA-FZ-Z	5940-500-8723	SPLICE, CONDUCTOR: crp. crpd. cop, insul. size 10-12 MS25181-3 (96906)	EA	3									10	5
PA-FZ-Z	5940-502-8806	SPLICE, CONDUCTOR: crp. crpd. cop, insul. size 14-16 MS25181-2 (96906)	EA	6									10	6
PA-FZ-Z	5940-919-3518	TERMINAL: crp. crpd. phos-brz. microinch gld. 0.562 lg 0.110-0.015 10947385 (19207)	EA	121									10	7
PA-FZ-Z	5975-727-5153	STRAP, TIEDOWN: adj. self-clinching plstc. 1/16 - 5/8 bdl dia MS3367-4-9 (96906)	EA	252									10	8
PA-FZ-Z	5975-497-2158	STRAP, TIEDOWN, ELECTRICAL: MS17821-1-9 (96906)	EA	15									10	9
PA-FZ-Z	5640-162-3435	INSULATION SLEEVING. THERMAL: blk, 0.0750 lg. 0.093 id 1169991233 (96906)	EA	83									10	10
PA-FZ-Z	5999-486-5991	CONTACT, ELECTRICAL: crpd, beryllium cap. gld-pld 0.620 lg. 0.120 w, 9.111 h M2109 7/16-03 (81349)	EA	91									10	11
		BULK MATERIALS												
PA-FZ-Z	6145-833-9142	WIRE ELECTRICAL: cop. ind. fnsh, wht. 0.055 dia. 20 AWG M81044/ 4-20-9 (81349)												
PA-FZ-Z	6145-860-3518	WIRE ELECTRICAL: cop. ind fnsh. 0.72 dia 16 AWG M81044 / 4-16-9 (81349)												

SECTION III. SPECIAL TOOLS, TEST, AND SUPPORT EQUIPMENT

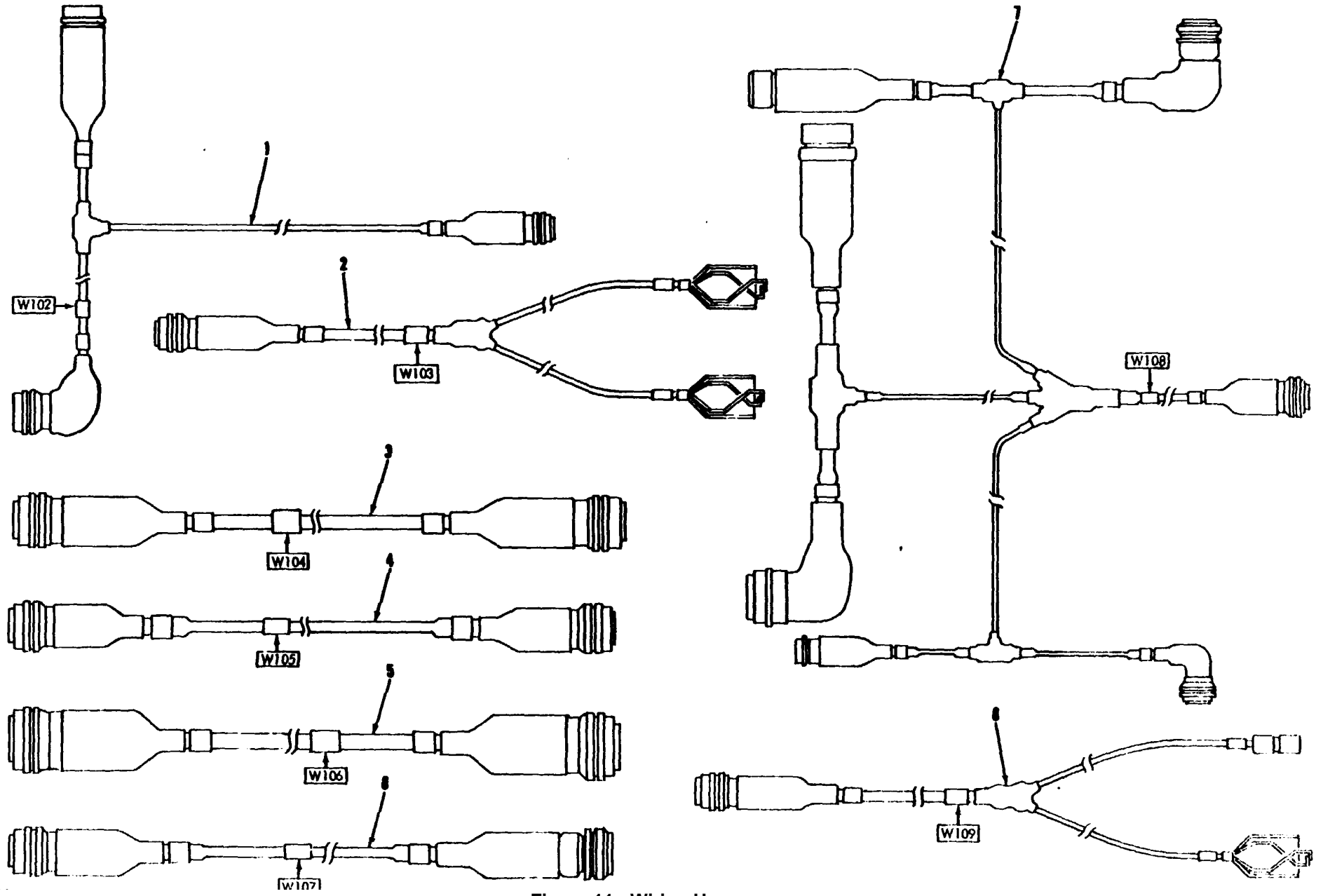


Figure 11. Wiring Harness

(1) SMR CODE INDEX NO.	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NO. & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALL PER 100 EQP CONTIN- GENCY	(9) DEPT MAINT ALL PER 100 EQUIP	(10) ILLUS- TRATION	
					(a)	(b)	(c)	(a)	(b)	(c)			(a)	(b)
					1-20	21-50	51-100	1-20	21-50	51-100			FIG NO	ITEM NO
		WIRING HARNESES (FIG. 11)												
PA-FZ-Z	4933-448-5288	WIRING HARNESS. BRANCHED: W102. 78 lg 11665480 (19207)	EA	1	*	*	*	*	*	*	*	10	11	1
PA-FZ-Z	4933-147-2096	WIRING HARNESS BRANCHED: W103 11665474 (19207)	EA	1	*	*	*	*	*	*	*	10	11	2
PA-FZ-Z	4933-350-1932	WIRING HARNESS: W104. 72 lg 11665476 (19207)	EA	1	*	*	*	*	*	*	*	10	11	3
PA-FZ-Z	4933-147-2099	WIRING HARNESS: W105. 61 lg 11665479 (19207)	EA	1	*	*	*	*	*	*	*	10	11	4
PA-FZ-Z	4933-147-2097	WIRING HARNESS: W106. 72 lg 11665478 (19207)	EA	1	*	*	*	*	*	*	*	10	11	5
PA-FZ-Z	4933-147-2098	WIRING HARNESS: W107. 72 1g 11665477 (19207)	EA	1	*	*	*	*	*	*	*	10	11	6
PA-FZ-Z	4933-147-2095	WIRING HARNESS. BRANCHED: W108 11665481 (19207)	EA	1	*	*	*	*	*	*	*	10	11	7
PA-FZ-Z	4933-147-2094	WIRING HARNESS. BRANCHED: W109 11665475 (19207)	EA	1	*	*	*	*	*	*	*	10	11	8

**Section IV. FEDERAL STOCK NUMBER
AND REFERENCE NUMBER INDEX**

Federal Stock Number	Figure No.	Item No.	Federal Stock Number	Figure No.	Item No.
1025-163-0864	4	19	5310-087-0037	3	15
1025-912-1152	2	25	5310-193-7577	2	17
1025-946-8643	3	7	5310-193-7377	3	17
4820-906-1039	1	7	5310-193-7577	5	16
4933-138-8419	1	19	5310-530-9963	1	14
4933-138-8420	1	18	5310-559-0070	2	56
4933-138-8421	1	20	5310-576-5752	2	51
4933-138-8422	5	9	5310-576-5752	3	27
4933-140-3948	2	52	5310-576-5752	4	9
4933-140-3949	2	8	5310-576-5752	5	3
4933-147-2094	11	8	5310-579-0079	2	41
4933-147-2095	11	7	5310-579-0079	3	2
4933-147-2096	11	2	5310-765-3197	4	13
4933-147-2097	11	5	5310-778-2655	1	18
4933-147-2098	11	6	5310-811-3494	2	7
4933-147-2099	11	4	5310-851-2242	4	3
4933-147-2100	3	25	5310-934-9738	3	14
4933-148-5276	2	59	5310-934-9739	2	18
4933-148-5288	11	1	5310-934-9739	3	18
4933-148-5289	2	1	5310-934-9739	5	15
4933-163-4788	5	1	5310-934-9739	8	6
4933-350-1892	5	10	5310-934-9747	2	42
4933-350-1932	11	3	5310-934-9747	3	19
4933-497-8272	5	7	5310-934-9751	3	28
4933-497-8273	5	6	5310-934-9751	4	5
4933-503-0714	1	6	5310-934-9751	5	2
4933-503-0867	1	1	5310-934-9755	3	21
4960-787-5299	5	11	5310-934-9757	4	22
5305-762-7482	3	11	5310-950-1310	2	16
5305-889-2997	2	15	5310-950-1310	3	16
5305-889-2997	3	9	5310-950-1310	5	17
5305-889-2997	8	3	5310-950-1310	8	5
5305-889-2999	5	13	5310-951-4679	8	4
5305-915-2212	4	11	5310-951-4679	9	12
5305-954-1992	4	10	5310-954-4344	1	15
5305-958-4352	3	29	5310-983-8483	3	1
5305-984-4976	2	21	5320-119-6823	1	2
5305-984-4977	9	13	5320-165-8828	1	10
5305-984-4983	3	3	5320-655-4757	1	19
5305-984-4984	2	60	5325-543-2902	4	26
5305-984-4988	3	6	5325-850-2240	1	20
5305-984-6189	2	55	5325-931-8794	1	13
5305-984-6203	4	12	5325-954-9197	1	4
5305-989-7434	2	49	5325-995-6630	1	22
5305-989-7434	3	24	5340-060-5386	2	48
5305-989-7434	4	4	5340-160-8643	4	16
5305-989-7434	5	5	5340-486-6311	4	7
5305-989-7435	2	58	5340-874-9270	1	3
5310-014-5850	2	50	5340-981-6705	1	7
5310-014-5850	3	26	5355-065-5064	2	45
5310-014-5850	4	8	5355-160-6099	2	53
5310-014-5850	5	4	5355-284-5186	2	38
5310-045-3296	4	6	5640-162-3435	10	10
5310-045-3299	4	23	5905-087-4012	4	28
5310-045-4007	3	22	5905-104-8348	8	8
5310-082-1404	2	61	5905-104-8348	9	9
5310-082-1404	3	23	5905-110-0196	9	15

Federal Stock Number	Figure No.	Item No.	Federal Stock Number	Figure No.	Item No.
5905-111-4738	8	13	5935-465-4562	5	12
5905-111-4841	6	12	5935-725-4484	2	35
5905-114-5441	9	17	5935-728-9513	2	32
5905-138-1000	7	12	5935-784-5982	2	26
5905-141-0595	8	9	5935-786-7416	2	30
5905-141-0595	9	5	5935-838-3695	2	34
5905-141-0600	6	13	5935-900-2084	2	33
5905-141-1165	9	10	5935-909-8601	2	20
5905-141-1187	4	18	5935-912-8163	2	27
5905-146-6174	2	47	5935-916-0383	2	23
5905-146-6175	2	46	5935-916-0384	2	22
5905-147-0626	7	18	5935-916-0581	2	19
5905-147-7090	7	15	5935-945-3392	9	18
5905-147-7092	6	10	5935-946-8667	2	14
5905-147-7092	7	2	5935-946-8667	3	8
5905-147-7093	6	2	5940-051-6257	4	17
5905-147-7093	7	8	5940-086-2358	3	20
5905-147-7094	7	10	5940-143-4771	10	2
5905-147-7095	7	16	5940-143-4780	10	3
5905-150-1551	2	44	5940-269-2219	2	36
5905-299-7979	4	15	5940-269-2220	2	31
5905-431-5328	6	4	5940-500-8723	10	5
5905-431-5328	7	17	5940-502-8806	10	6
5905-434-8693	9	16	5940-557-1629	10	1
5905-451-0598	7	14	5940-813-0698	10	4
5905-451-0643	6	9	5940-919-3518	10	7
5905-451-0663	6	8	5945-152-7596	3	13
5905-451-0663	7	9	5945-802-6385	3	4
5905-451-7420	6	14	5950-147-9431	9	11
5905-451-7420	7	6	5960-134-6073	3	12
5905-490-7954	7	13	5960-915-5715	3	10
5905-490-7978	6	5	5961-081-8365	9	20
5905-490-7978	7	7	5961-520-5617	8	14
5905-492-7944	6	11	5961-722-1480	6	1
5905-496-4222	7	4	5961-722-1480	7	1
5905-665-6340	4	30	5961-722-1480	8	7
5905-761-6592	6	3	5961-722-1480	9	7
5905-766-9930	6	6	5961-836-4183	8	1
5905-766-9930	7	11	5961-836-4183	9	8
5905-766-9931	7	5	5961-837-9288	8	11
5905-824-8554	4	1	5961-847-5247	9	6
5905-825-7748	4	25	5961-853-1065	8	12
5905-829-2897	9	3	5961-953-4494	9	19
5905-842-2978	4	27	5961-996-1805	8	2
5905-851-6918	4	29	5970-814-0393	4	24
5905-866-0796	6	7	5970-881-3556	4	2
5905-866-0796	7	3	5970-883-8517	4	14
5905-914-9192	9	2	5975-497-2158	10	9
5905-914-9256	9	1	5975-727-5153	10	8
5905-914-9257	9	4	5999-147-0769	5	8
5905-994-7229	4	21	5999-486-5991	10	11
5910-726-5003	8	10	6124-008-4896	1	5
5910-726-5003	9	14	6145-833-9142		
5920-161-4551	2	29	6145-860-3518		
5920-845-4100	2	28	6210-244-2897	2	12
5925-847-7944	2	57	6210-753-2289	2	11
5930-169-2609	2	37	6210-840-0850	2	6
5930-847-9863	2	9	6210-845-1763	2	5
5930-913-3641	2	10	6210-892-4468	2	2
5930-914-6458	2	4	6240-179-1813	2	13
5930-946-6917	2	39	6240-763-7744	2	3
5935-068-3704	2	40	9905-140-9844	1	12
5935-068-3704	3	5	9905-140-9844	2	43
5935-136-6233	3	14	9905-148-0390	1	9

BULK MATERIALS
BULK MATERIALS

Reference Number	FSCM	Fig No.	Item No.	Reference Number	FSCM	Fig	Item
CSR13F476MM	81349	8	10	MS35207-263	96906	5	5
CSR13F476MM	81349	9	14	MS35207-264	96906	2	8
FHN26G2	81349	2	28	MS35333-36	96906	2	17
FMO3-125V-15A	81349	2	29	MS35333-36	96906	3	17
IN3026B	81349	8	12	MS35333-36	96906	5	16
IN3029B	81349	8	11	MS35333-37	96906	2	41
JANIN748A	81349	9	6	MS35333-37	96906	3	2
LC21CN3	81349	2	12	MS35333-38	96906	2	56
LH80/1	81349	2	11	MS35333-39	96906	2	51
MS17821-19	96906	10	9	MS3S333-39	96906	3	27
MS18012-1	96906	1	11	MS35333-39	96906	4	9
MS18014-1	96906	1	8	MS35333-39	96906	3	3
MS18209-387	96906	2	3	MS35338-41	96906	3	22
MS20426A3-4	96906	1	19	MS35338-42	96906	4	23
MS20470B4-4	96906	1	2	MS35338-43	96906	4	6
MS20470B6-8	96906	1	10	MS35489-134	96906	4	26
MS21044-NO8	96906	2	7	MS35649-222	96906	3	14
MS21059-3	96906	1	18	MS35649-242	96906	2	18
MS24510-5	96906	2	57	MS35649-242	96906	3	18
MS25036-101	96906	10	4	MS35649-242	96906	5	15
MS25036-103	96906	10	2	MS35649-242	96906	8	6
MS25036-108	96906	10	3	MS35649-262	96906	2	42
MS25036-149	96906	10	1	MS35649-262	96906	3	19
MS25089-1C	96906	2	9	MS35649-282	96906	4	22
MS2181-2	96906	10	6	MS35650-302	96906	3	28
MS25181-3	96906	10	5	MS35650-302	96906	4	5
MS27183-2	96906	3	15	MS35650-302	96906	5	2
MS27183-3	96906	8	4	MS35650-362	96906	3	21
MS27183-3	96906	9	12	MS39087-3	96906	2	48
MS27183-4	96906	2	16	MS75009-1	96906	4	14
MS27183-4	96906	3	16	MS75009-2	96906	4	24
MS271834	96906	5	17	MS75009-3	96906	4	2
MS27183-4	96906	8	5	MS75009-5	96906	4	3
MS2718341	96906	4	13	MS75009-18	96906	4	11
MS27183-42	96906	2	50	MS75009-19	96906	4	10
MS27183-42	96906	3	26	MS90310-221	96906	2	10
MS27183-42	96906	4	8	MS90310231	96906	2	4
MS27183-42	96906	5	4	MS90311-221	96906	2	39
MS27183-5	96906	3	1	MS91531-1F1B	96906	2	45
MS27183-6	96906	2	61	MS91531-2F2B	96906	2	38
MS27183-6	96906	3	23	MS91531-3F2B	96906	2	53
MS3124E12-3P	96906	2	34	M21097/11/07	81349	5	12
MS3124E14-12S	96906	2	35	M21097/13-05	81349	5	14
MS3124E14-5S	96906	2	33	M21097/16-03	81349	10	11
MS3124E16-26P	96906	2	6	M81044/4-16-9	81349		
MS3124E16-26S	96906	2	27	M81044/4-20-9	81349		
MS3124E20-16S	96906	2	32	NE16	81349	2	13
MS3124E20-41P	96906	2	30	PBO1FA03	81349	2	31
MS3367-4-9	96906	10	8	PBO1FA04	81349	2	36
MS35206-202	96906	3	11	RAD4125	07556	5	11
MS35206-215	96906	2	15	RBR53L10003FR	81349	6	4
MS35206-215	96906	3	9	RBR53L10003FR	81349	7	17
MS35206-215	96906	8	3	RBR54L10002FR	81349	7	4
MS35206-217	96906	5	13	RBR54L11001FR	81349	7	5
MS35206-219	96906	2	21	RBR54L12102FR	81349	7	12
MS35206-220	96906	9	13	RBR54L13001FR	81349	6	10
MS35206-226	96906	3	3	RBR54L13001FR	81349	7	2
MS35206-227	96906	2	60	RBR54L14002FR	81349	6	2
MS35206-228	96906	3	6	RBR54L14002FR	81349	7	8
MS35206-241	96906	2	55	RBR54L18000FR	81349	7	10
MS35206-255	96906	4	12	RBR54L19101FR	81349	7	16
MS35207-228	96906	3	29	RBR54L20000FR	81349	7	13
MS35207-263	96906	2	49	RBR54L29401FR	81349	7	14
MS35207-263	96906	3	24				
MS35207-263	96906	4	4				

Reference Number	FSCM	Fig No.	Item No.	Reference Number	FSCM	Fig	Item
RBR54L30100FR	81349	6	9	10947493	19207	2	24
RBR54L30102FR	81349	7	18	11586491	19207	9	11
RBR54L39201FR	81349	6	6	11603837	19207	9	18
RBR54L39201FR	81349	7	11	11640438-1	19207	6	1
RBR54L47500FR	81349	7	5	11640438-1	19207	7	1
RBR54L47501FR	81349	6	3	11640438-1	19207	8	7
RBR54L49902FR	81349	6	14	11640438-1	19207	9	7
RBR54L49902FR	81349	7	6	11640486	19207	8	1
RBR54L69801FR	81349	6	8	11640486	19207	9	8
RBR54L69801FR	81349	7	9	11662734	19207	8	2
RBR54L75001FR	81349	6	5	11662774-1	19207	2	6
RBR54L75001FR	81349	7	7	11662774-2	19207	2	5
RCR20G102JS	81349	9	15	11662774-4	19207	2	2
RCR20G133JS	81349	6	12	11662834	19207	2	1
RCR20G152JS	81349	8	13	11662865	19207	2	44
RCR20G203JS	81349	4	18	11662866-1	19207	2	47
RCR20G332JS	81349	8	68	11662866-2	19207	2	46
RCR20G332JS	81349	9	9	11662891	19207	2	8
RCR20G472JS	81349	8	9	11662914	19207	2	52
RCR20G472JS	81349	9	5	11662915	19207	2	54
RCR20G563JS	81349	9	17	11662916	19207	2	37
RCR20G682JS	81349	9	10	11663313	19204	3	20
RCR20G822JS	81349	6	13	11665042	19207	5	10
RLR20C103GR	81349	9	1	11665043	19207	5	9
RLR20C153GR	81349	9	2	11665046	19207	3	25
RLR20C302GR	81349	6	11	11665403	19207	4	7
RLR20C473GR	81349	9	16	11665474	19207	11	2
RLR20C822GR	81349	9	4	11665475	19207	11	8
RNR65D4701D	81349	9	3	11665476	19204	11	3
RN70D1303F	81349	6	7	11665477	19207	11	6
RN70D1303F	81349	7	3	11665478	19207	11	5
RW29V202	81349	4	15	11665479	19207	11	4
RW29V241	81349	4	25	11665480	19207	11	1
RW33V102	81349	4	30	11665481	19207	11	7
RW33V3R0	81349	4	27	11665491	19207	1	21
RW33V330	81349	4	28	11665492	19207	1	17
RW33V680	81349	4	29	11665493	19207	1	16
RW35V152	81349	4	1	11665539	19207	2	59
RW69V240	81349	4	21	11665563	19207	5	7
SE079B01	81349	4	17	11665564	19207	5	6
10018885	18876	1	3	11665567	19207	1	12
10018891	18876	1	7	11665567	19207	2	43
10313530-1	19207	1	14	11678903	19207	5	1
10394349	18876	1	22	11678904	19207	1	1
10607277-5	18876	1	13	11678905	19207	5	8
10900413	19207	1	20	11678906	19207	1	6
10945168	19207	3	7	11678907	19207	4	19
10945179	19207	2	14	11678908	19207	3	13
10945179	19207	3	8	11678909	19207	4	20
10946970	19207	2	40	11679000	19207	1	9
10946970	19207	3	5	11679109	19204	4	16
10947235-2	19207	9	19	11699912-33	19204	10	10
10947275	19207	2	19	11699931-1	19205	3	4
10947276	19207	2	20	2N1131	81349	9	20
10947278	19207	3	10	2N3822	81349	8	14
10947327	19207	2	23	6005W	81349	3	12
10947328	19207	2	22	8449065	19204	1	5
10947385	19207	10	7	9746543	18876	1	15
10947386	19207	2	25	9746544-3	18876	1	4

By Order of the Secretary of the Army:

Official:

VERNE L. BOWERS
Major General, United States Army
The Adjutant General

CREIGHTON W. ABRAMS
General, United States Army
Chief of Staff

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 <p style="font-size: small; margin: 0;"><i>THEN...JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL.</i></p>		SOMETHING WRONG WITH PUBLICATION	
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PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.
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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 = 10 dekameters = 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 decigrams = .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 = 10 milliliters = .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 = 10 dekaliters = 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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