

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL, DIRECT SUPPORT, AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE
REPAIR PARTS)
FOR
TEST SET, LASER RANGE FINDER
TS-3375/VVG-1
(4931-00-150-1558)

HEADQUARTERS, DEPARTMENT OF THE ARMY
1975

TECHNICAL MANUAL

TM 9-4931-355-24P

HEADQUARTERS,
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 1975

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AND SPECIAL TOOLS)
FOR
TEST SET, LASER RANGE FINDER TS-3375/VVG-1
(4931 00-150-1558)**

Current as of 29 July 1975

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Section I. INTRODUCTION

1. Scope.

This manual lists repair parts, special tools, and support equipment required for the performance of organizational, direct support, and general support maintenance of the Laser Range Finder 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 organizational, direct support, and general support 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 organizational, direct support and general support levels.

c. *National Stock Number and Reference Number Index-Section IV.* A list, in ascending numerical sequence, of all National Stock numbers appearing in the listings followed by a list, in alphabetic sequence, of all reference numbers appearing in the listings. National 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.* Source codes are assigned to support items to indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

<i>Code</i>	<i>Definition</i>
-------------	-------------------

PA Item procured and stocked for anticipated or known usage.

Item procured and stocked for insurance purpose because essentiality 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.
- PD Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional issues or outfittings. Not subject to automatic replenishment.
- 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.
- PG Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which, because of probable discontinuance or shutdown of production facilities, would prove uneconomical to reproduce at a later time.
- KD An item of a depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
- KF An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or intermediate levels of maintenance.
- KB Item included in both a depot overhaul/repair kit and a maintenance kit.
- MO Item to be manufactured or fabricated at organizational level.
- MF Item to be manufactured or fabricated at the direct support maintenance level.
- MH Item to be manufactured or fabricated at the general support maintenance level.
- MD Item to be manufactured or fabricated at the depot maintenance level.
- AO Item to be assembled at organizational level.
- AF Item to be assembled at direct support maintenance level.
- AH Item to be assembled at general support maintenance level.
- AD Item to be assembled at depot maintenance level.
- XA Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
- XB Item is not procured or stocked. If not available through salvage, requisition.
- XD Support items lists in this RPSTL-TM with assigned maintenance and recoverability codes and no source codes can be requisitioned with justification through normal channels by use of the part number and FSCM. Such support items are not normally stocked.

NOTE: Cannibalization or salvage may be used as a source of supply for any items source coded above except coded XA, XD, and aircraft support items as restricted by AR 700-42.

(2) *Maintenance code.* Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

Code	Application/Explanation
C	Crew or operator maintenance performed within organizational maintenance.
O	Support item is removed, replaced, used at the organizational level.
I	Support item is removed, replaced, used by the direct support element of integrated direct support maintenance.
F	Support item removed, replaced, used at the direct support level.
H	Support item is removed, replaced, used at the general support level.
D	Support items that are removed, replaced, used at depot, mobile depot, specialized repair activity only.

NOTE: Codes "I" and "F" will be considered the same by direct support units.

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

Code	Application/Explanation
O	The lowest maintenance level capable of complete repair of the support item is the organizational level.
F	The lowest maintenance level capable of complete repair of the support item is the direct support level.
H	The lowest maintenance level capable of complete repair of the support item is the general support level.
D	The lowest maintenance level capable of complete repair of the support item is the depot level, performed by Anniston Army Depot.
L	Repair restricted to designated specialized repair activity.
Z	Nonrepairable. 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.

(3) *Recoverability code.* Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The

recoverability code is entered in the fifth position of the Uniform-SFR Code format as follows:

Codes	Definition
Z	Nonrepairable item. When unserviceable, condemn and dispose at the level indicated in position 3.
O	Reparable item. When uneconomically repairable, condemn and dispose at organizational level.
F	Reparable item. When uneconomically repairable, condemn and dispose at the direct support level.
H	Reparable item. When uneconomically repairable, condemn and dispose at the general support level.
D	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L	Reparable item. Repair condemnation, and disposal not authorized below depot/specialized repair activity level.
A	Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material). Refer to appropriate manuals/directives for specific instructions.

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

c. *Description.* Indicates the National 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 or distributor or Government Agency, etc., and is identified in SB 708-42.

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, tc., and is the basic used to indicate quantities and allowances in subsequent columns. 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 breadout shown in the illustration figure, which is prepared for a functional group, subfunction group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that no specific quantity is applicable, e.g., shims, spacers, etc.

f. *Allowance Columns.* The allowance columns are left blank intentionally. The maintenance level code indicates that the item is authorized for use at that category. DS, GS, and Depot parts will be requisitioned on an "as required" basis until authorized stockage levels are established based on demand criteria.

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.

The following publications pertain to the Laser Range Finder Test Set and its components.

TM 9-2350-230-10/2-3	Operator's Manual (Turret Operation) for AR/AAV M551A1 (Sheridan) (W /Laser Range Finder)
TM 9-2350-23020	Organizational Maintenance Manual for Armored Reconnaissance/Airborne Assault Vehicle Full-Tracked, 152-MM, M551
TM 9-1240-369-34	Direct Support and General Support Maintenance Manual for Range Finder, Fire Control: (Laser) AN/VVG-1 (1240-00-470-2156)
TM 9-1240-369-34P	Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Range Finder, Fire Control: (Laser) AN/VVG-1 (1240-00-470-2156)

5. How to Locate Repair Parts.

a. *When National Stock Number or Part Number is Unknown:*

(1) *First.* Using the table of contents, determine the functional group within which the repair parts belongs. This is necessary since illustrations are prepared for functional groups and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the functional group to which the 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 figure and item number noted on the illustration.

b. *When National Stock Number or Part Number is Known.*

(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent

National stock number or part number. This index is in ascending NSN sequence followed by a list of part numbers in ascending alphabetic sequence, cross-referenced to the illustration figure number and item number.

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

6. Abbreviations.

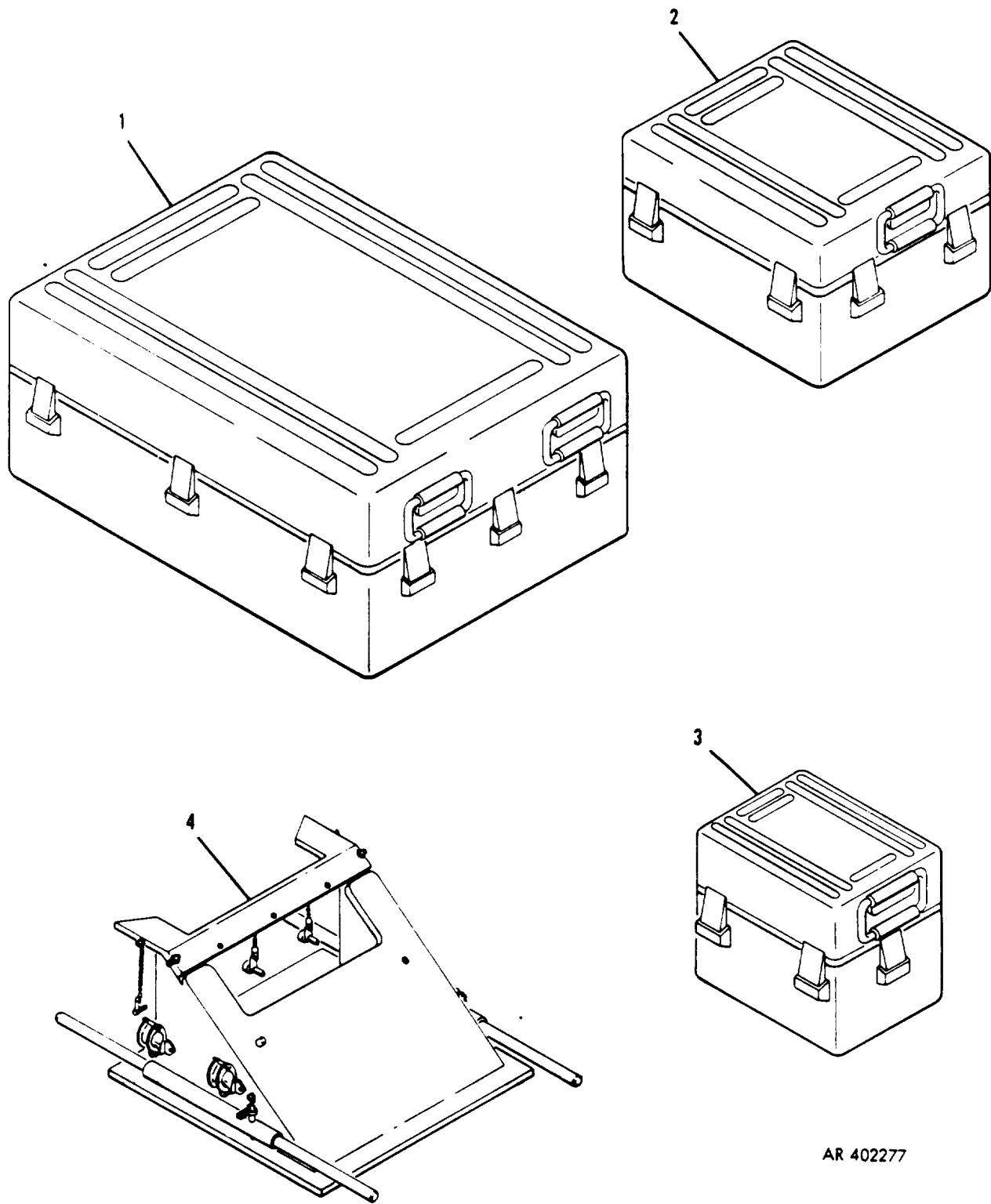
No abbreviations appear on listed pages.

7. Recommendations for Maintenance Publications Improvements.

You can improve this manual by recommending improvements using DA Form 2028 (Recommended Changes to Publications and Blank Forms) or DA Form 2028-2 (Test) located in the back of the manual and mail the form directly to Commander, Frankford Arsenal, ATTN: SARFA-MA, Philadelphia, PA 19137. A reply will be furnished directly to you.

Section II. REPAIR PARTS LIST

(1) ILLUSTRATION		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION	(7) U/M	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
1	1	PDFZZ	4931-00-628-1446	11737864	19200	LASER RANGE FINDER TESTER TS-3375/VVG-1 11738861 CARRYING CASE, ASSEMBLY.....	AY	1
1	2	PDFZZ	4931-00-628-1421	10559658	19200	CARRYING CASE, ASSEMBLY.....	AY	1
1	3	PDHZZ	4931-00-628-1332	11738863	19200	CARRYING CASE, ASSEMBLY.....	AY	1
1	4	PAFHD	4931-00628-1325	11738862	19200	HOLDING FIXTURE, ASSEMBLY.....	EA	1
1	5	PAFDL	1240-00-146-6179	11738851	19200	CONTROL, RECEIVER-TRANSMITTER	EA	1
1	6	PAFDL	1265-00-162-3444	11738821	19200	RECEIVER-TRANSMITTER, LASER	EA	1
1	7	PAFDL	1240-00-140-9856	11738831	19200	POWER SUPPLY CONTROL, LASER	EA	1
1	8	PAFDL	1240-00-145-6395	11738841	19200	BATTERY POWER SUPPLY	EA	1
1	9	PAFDL	1265-00-147-8759	11738811	19200	CONTROL, COMMANDER'S LASER RANGING.....	EA	1



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Figure 1. Laser Range Finder Tester TS-3375/VVG-1/111738861 (Sheet 1 of 2)

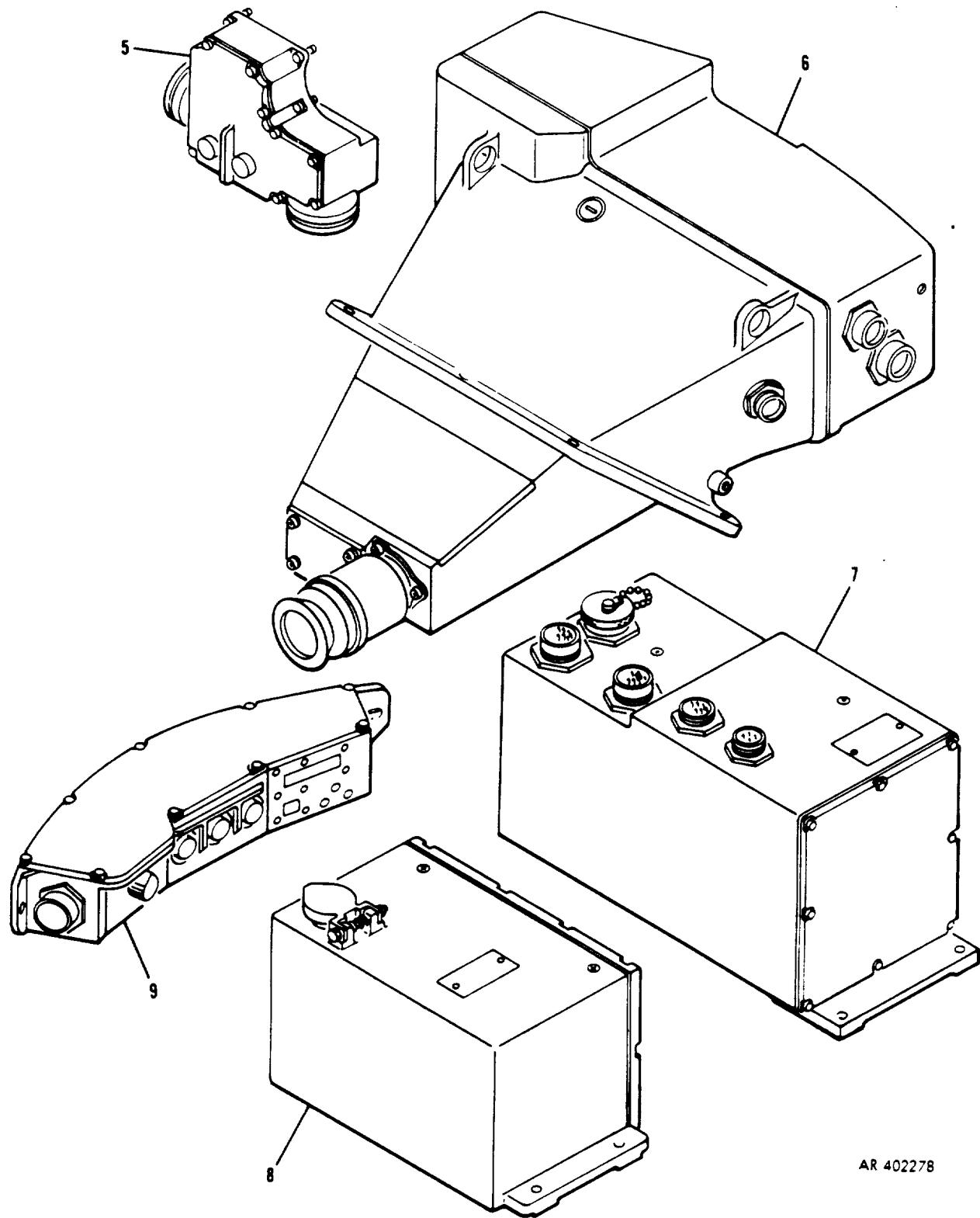


Figure 1. Laser Range Finder Tester TS-3375/VVG-1/11 738861 (Sheet 2 of 2)

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						UNIQUE SPECIAL TOOLS AND TEST EQUIPMENT CARRYING CASE ASSEMBLY 11738864		
2	1	PAOZZ	4931-00-138-5902	11737942	19200	HANDLE	EA	1
2	2	PEFZZ	4931-00-628-1820	11737824	19200	METER, PFN CHARGE.....	EA	1
2	3	PAFZZ	4931-00-628-1541	11741606	19200	HANDLE ASSEMBLY, BALLISTIC COVER.....	EA	1
2	4	PAOZZ	5306-00-113-3767	NAS1053-5-17	19200	EYE BOLT.....	EA	2
2	5	PEFZZ		11745619-1	19200	WRENCH, SPANNER	EA	1
2	6	PEFZZ		11745619-2	19200	WRENCH, SPANNER	EA	1
2	7	PEOZZ	4931-00-138-5901	11737451	19200	BOOT, REMOVAL TOOL.....	EA	1
2	8	PEFZZ		11737810	19200	WRENCH, SPANNER	EA	1
2	9	PAFZZ	4931-00-628-1544	11737823	19200	EXTENDER CARD, ELECTRONIC TEST	EA	1
2	10	PAFZZ	4931-00-628-1542	11737845	19200	EXTENDER CARD, ELECTRONIC TEST	EA	1
2	11	PAFZZ	4931-00-628-1519	11737851	19200	EXTENDER CARD, ELECTRONIC TEST	EA	1
2	12	PAFZZ	4931-00-628-1340	11737822	19200	EXTENDER CARD, ELECTRONIC TEST	EA	1
2	13	PEFZZ	4931-00-493-9236	10559515	19200	EXTENDER CARD ASSEMBLY.....	EA	1

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
2	14	PAFZZ	4931-00-628-1520	11737471	19200	GAGE, DEPTH, CONNECTOR.....	EA	1
2	15	PEDZZ	4931-00-138-5899	11737945	19200	TIE ROD ASSEMBLY.....	EA	1
2	16	PEFZZ	4931-00-628-1342	11737815	19200	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	EA	1
2	17	PEFZZ	4931-00-628-1341	11737816	19200	CABLE ASSEMBLY, SPECIAL PURPOSE, ELEC- TRICAL	EA	1
2	18	PEFZZ	4931-00-628-1343	11737817	19200	CABLE ASSEMBLY, SPECIAL PURPOSE, ELEC- TRICAL	EA	1
2	19	PEFZZ	4931-00-628-1580	11737818	19200	CABLE ASSEMBLY, SPECIAL PURPOSE, ELEC- TRICAL	EA	1
2	20	PEFZZ	4931-00-62111671	11737819	19200	CABLE ASSEMBLY, POWER, ELECTRICAL.....	EA	1
2	21	PEFZZ		11737820	19200	CABLE ASSEMBLY, SPECIAL PURPOSE, ELEC- TRICAL	EA	1
2	22	PEFZZ	4931-00-628-1692	11737821	19200	CABLE ASSEMBLY, SPECIAL PURPOSE. ELECTRICAL	EA	1
2	23	PEFZZ	4931-00-628-1808	11745327	19200	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	EA	1
2	24			DTM 4931-355-14		TECHNICAL MANUAL.....	EA	1
2	25	XDFZZ		11737814	19200	ADAPTER ASSEMBLY.....	EA	1

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
2	26	PADZZ		11741561	19200	GASKET.....	EA	1
2	27	XA		11737814-1	19200	ADAPTER	EA	1
2	28	XDFZZ		MS124695	96906	INSERT	EA	4
2	29	XDFZZ		11737837	19200	INSERT, LOWER	EA	1
2	30	XDFZZ		11745640-3	19200	INSERT, UPPER	EA	1
2	31	XDFZZ		11737835	19200	CASE, CARRYING	EA	1

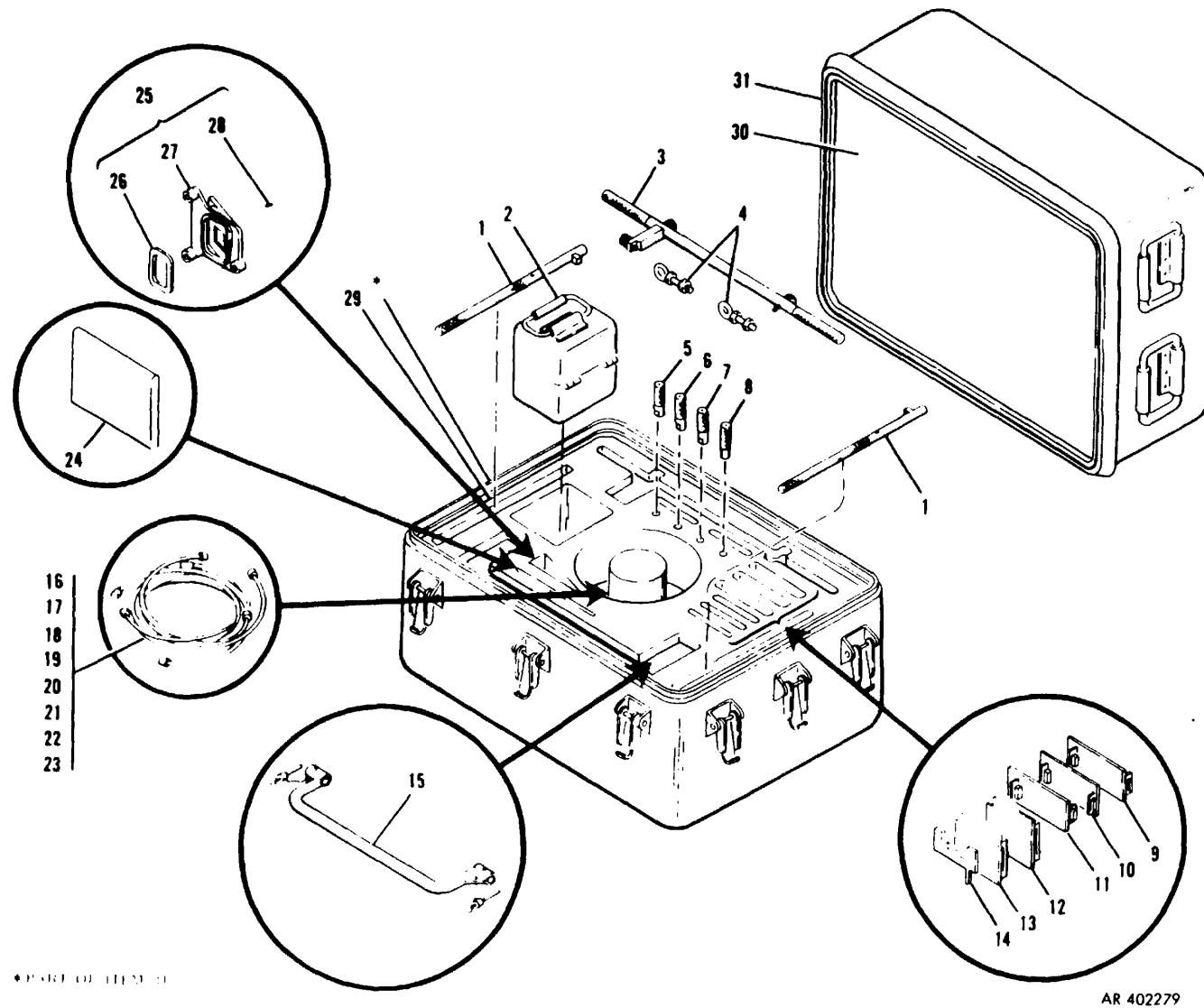
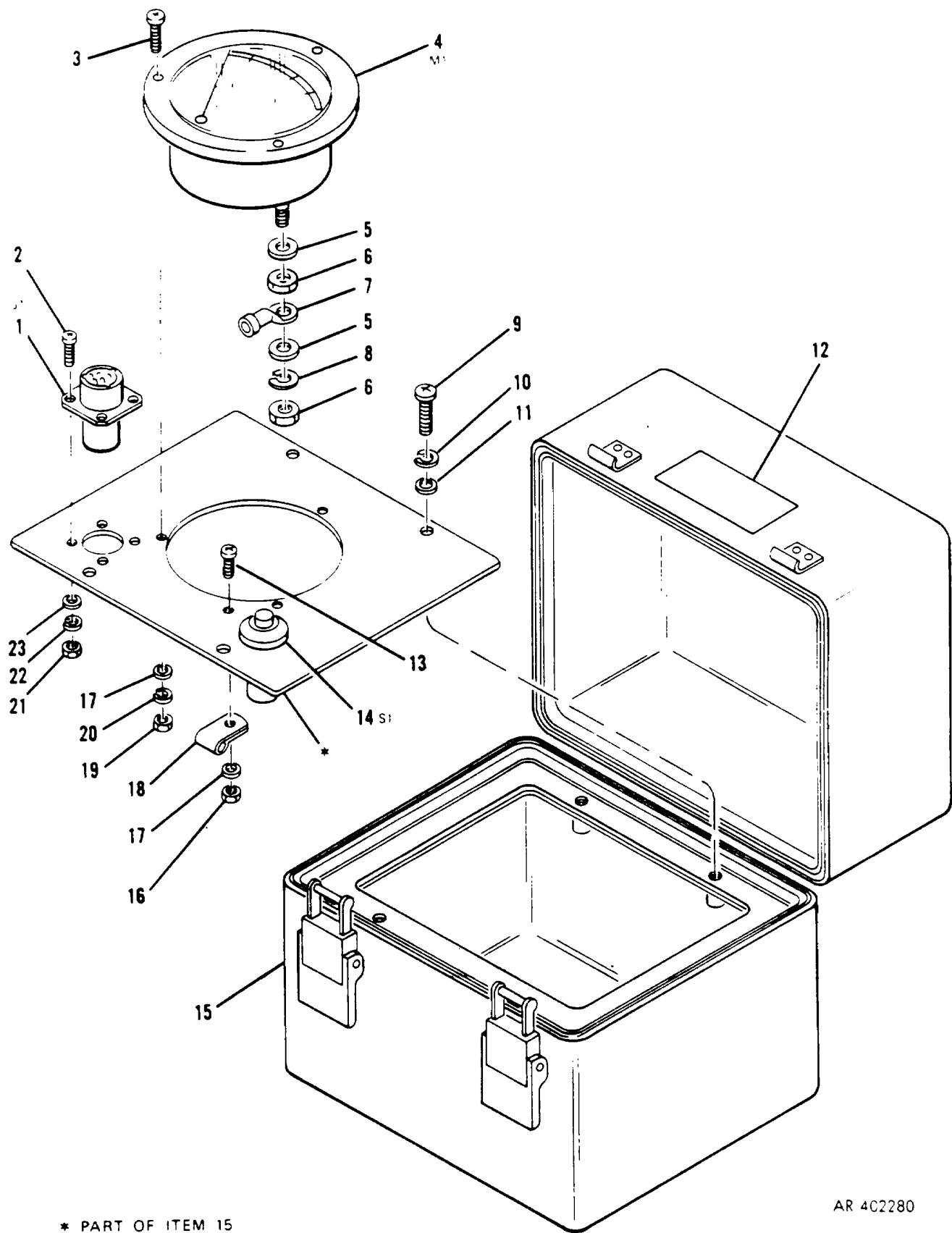


Figure 2. UNIQUE Special Tools and Test Equipment Carrying Case Assembly 11738864

(1) ILLUSTRATION		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
		XA				PULSE FORMING NETWORK CHARGE METER ASSEMBLY 11737824		
3	1					CONNECTOR (J1)	EA	1
1	2					SCREW	EA	4
3	3					SCREW	EA	3
3	4			11745321	19200	METER (M1)	EA	1
3	5			MS15795-910	96906	WASHER**Component of Item 4.....	EA	2
3	6			MS26082S4	96906	NUT**Component of Item 4.....	EA	2
3	7			MS25036-150	96906	LUG	EA	2
3	8			MS35338-120	96906	WASHER	EA	2
3	9			NAS1635-3-10	80205	SCREW*	EA	4
3	10			MS35338-138	96906	WASHER*	EA	4
3	11			NAS620C10L	80205	WASHER*	EA	4
3	12			11745328	19200	DECAL	EA	1
3	13			MS24693-C28	96906	SCREW	EA	1
3	14			M8805-99-027	81349	SWITCH (S1).....	EA	1

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
3	15	XA		11737832	19200	CASE.....	EA	1
3	16	XA		MS21044C06	96906	NUT	EA	1
3	17	XA		AN960C6	88044	WASHER	EA	4
3	18	XA		MS25281F2	96906	CLAMP	EA	1
3	19	XA		NAS671C6	80205	NUT	EA	3
3	20	XA		MS35338-136	96906	WASHER	EA	3
3	21	XA		NAS671C4	80205	NUT	EA	4
3	22	XA		MS35338-135	96906	WASHER	EA	4
3	23	XA		NAS620C4	80205	WASHER	EA	4

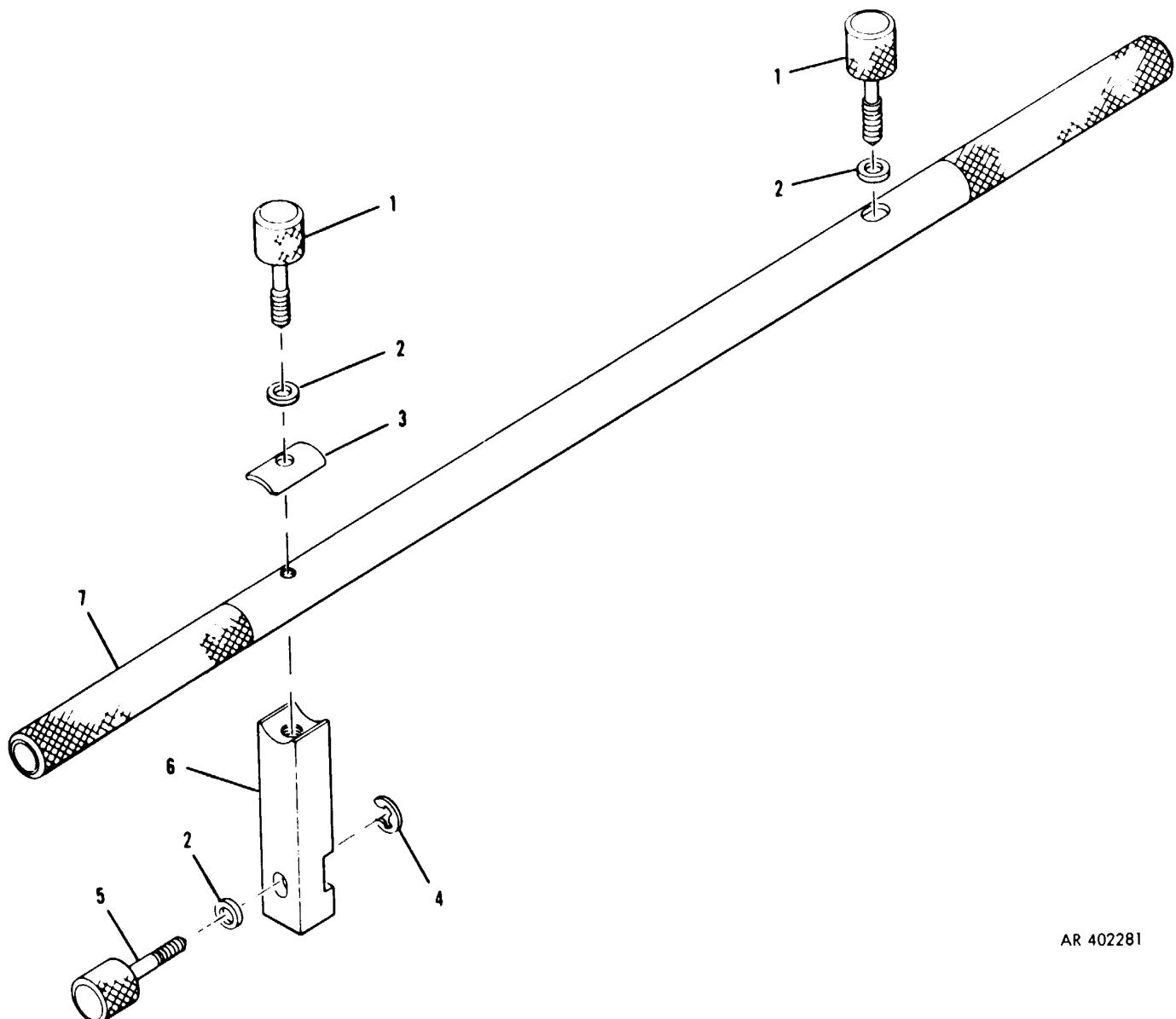


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* PART OF ITEM 15

Figure 3. Pulse Forming Network Charge Meter Assembly 11737824

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						BALLISTIC COVER HANDLE ASSEMBLY 11741606		
4	1	XA		11741603	19200	SCREW	EA	2
4	2	XA		NAS1515M6H	80205	WASHER	EA	3
4	3	XA		11741607	19200	WASHER	EA	1
4	4	XA		MS16633-4037	96906	RING	EA	1
4	5	XA		11741602	19200	SCREW	EA	1
4	6	XA		11741605	19200	SUPPORT	EA	1
4	7	XA		11741604	19200	BAR	EA	1



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Figure 4. Ballistic Cover Handle Assembly-11741606

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						BATTERY CHARGE SENSOR EXTENDER CARD ASSEMBLY 11737823		
5	1	XA		M24308-1-3	81349	CONNECTOR (P2)	EA	1
5	2			MS51957-15	96906	SCREW	EA	4
5	3			AN96OC4	88044	WASHER	EA	2
5	4			MS35338-135	96906	WASHER	EA	2
5	5			NAS671C4	80205	NUT	EA	4
5	6	XA		MS51957-5	96906	SCREW	EA	4
5	7	XA		AN96OC3	88044	WASHER	EA	4
5	8	XA		MS35338-134	96906	WASHER	EA	4
5	9	XA		NAS671C2	80205	NUT	EA	4
5	10	XA		11741514	19200	CONNECTOR (P1)	EA	1
5	11	XA		11737827	19200	BOARD.....	EA	1

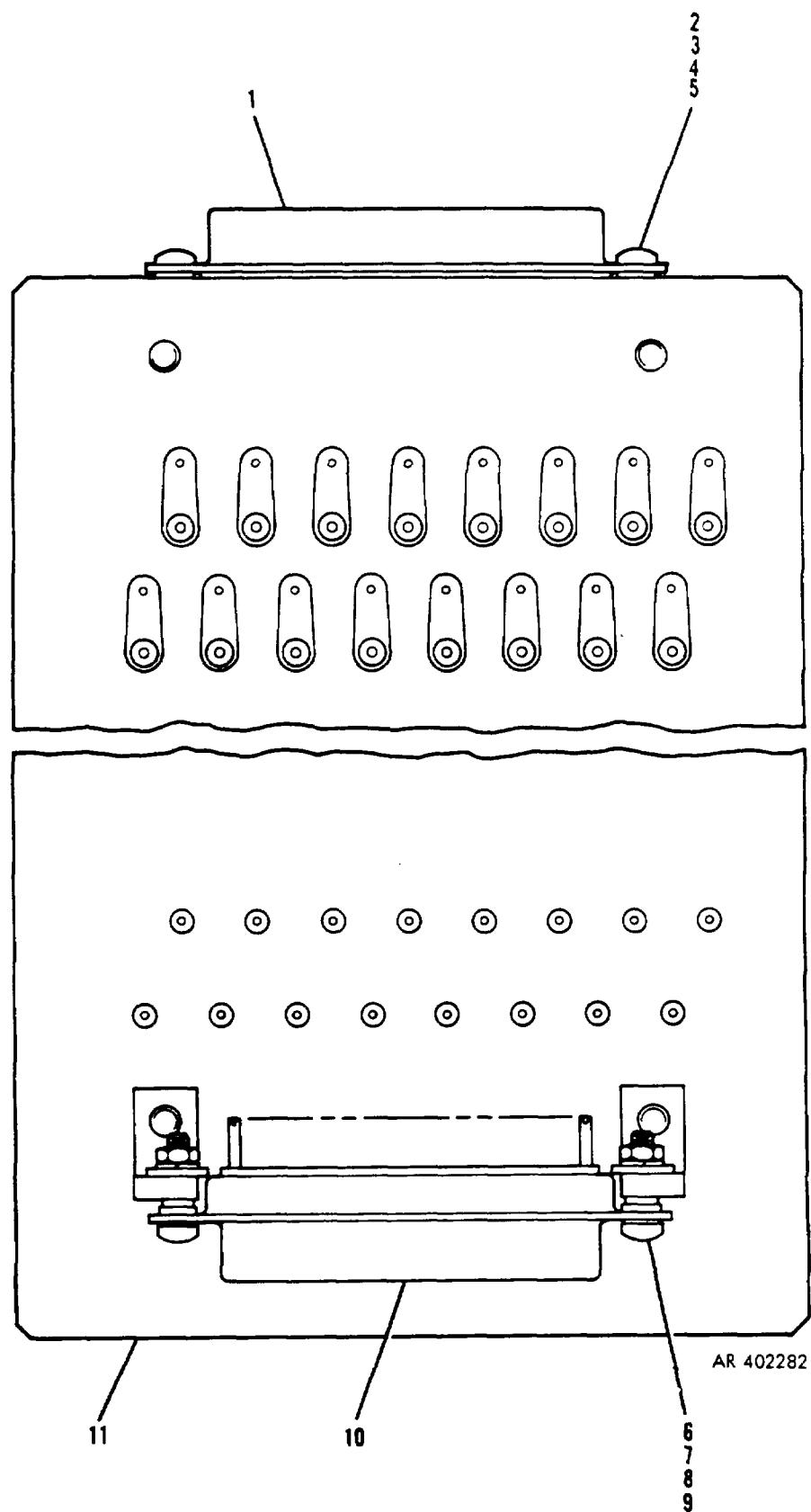


Figure 5. Battery Charge Sensor Extender Card Assembly 11737823

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
		XA				CHARGE CONTROL EXTENDER CARD ASSEMBLY 11737845		
6	1			M24308-1-3	81349	CONNECTOR (P2)	EA	1
6	2			MS51957-15	96906	SCREW	EA	2
6	3			AN96OC4	88044	WASHER, FLAT	EA	2
6	4			MS35338-135	96906	WASHER, LOCK	EA	2
6	5			NAS671C4	80205	NUT	EA	2
6	6			MS51957-5	96906	SCREW	EA	4
6	7			AN960C3	88044	WASHER	EA	4
6	8			MS35338-134	96906	WASHER	EA	4
6	9			NAS671C2	80206	NUT	EA	4
6	10			11741514	19200	CONNECTOR (P1)	EA	1
6	11			11737846	19200	BOARD.....	EA	1

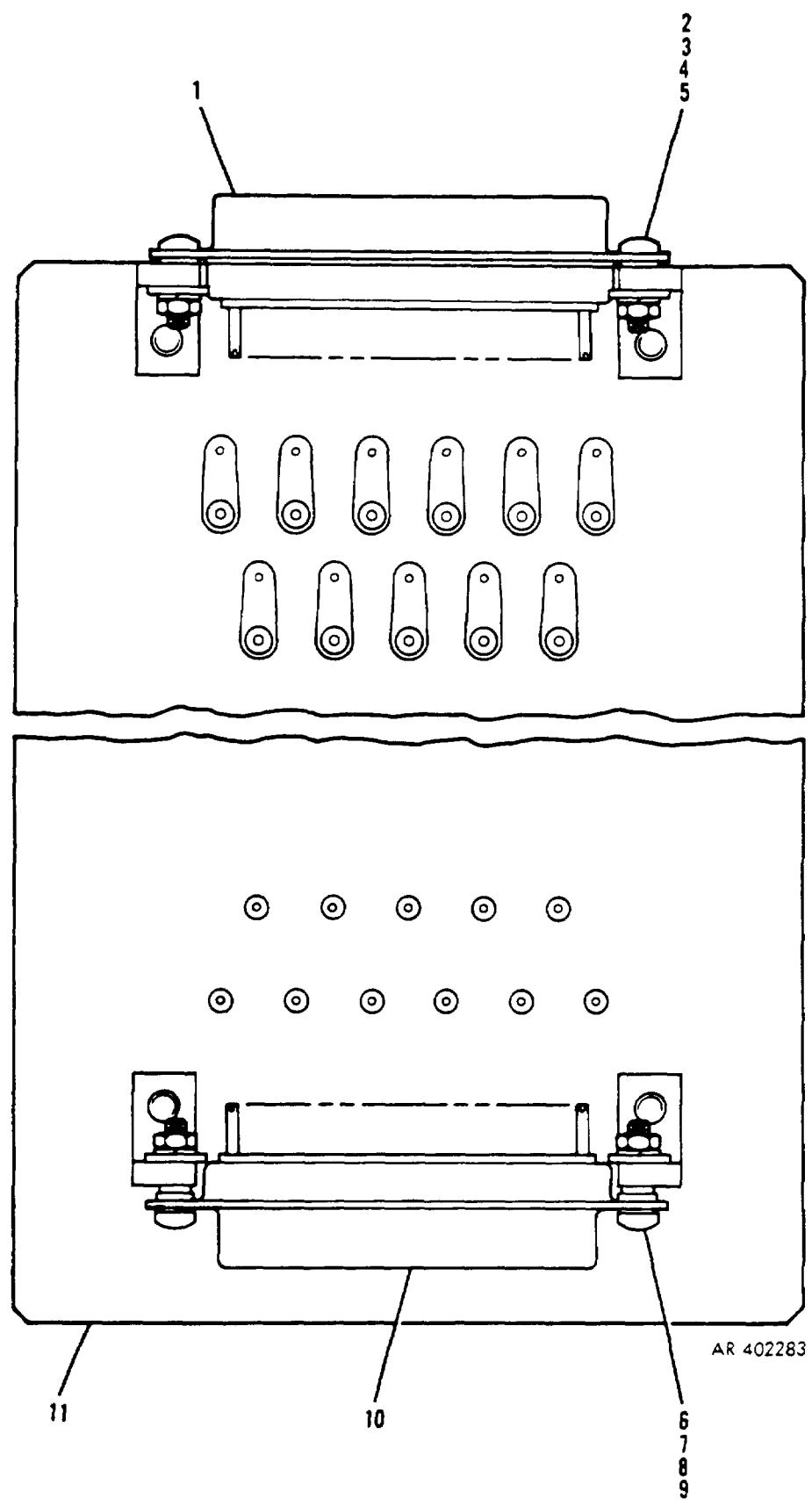


Figure 6. Charge Control Extender Card Assembly 11737845

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
		XA				POWER CONTROL EXTENDER CARD ASSEMBLY 11737851		
7	1			M24308-1-3	81349	CONNECTOR (P2)	EA	1
7	2			MS51957-15	96906	SCREW	EA	2
7	3			AN960C4	88044	WASHER	EA	2
7	4			MS35338-135	96906	WASHER	EA	2
7	5			NAS671C4	80205	NUT	EA	2
7	6	XA		MS51957-5	96906	SCREW	EA	4
7	7	XA		AN960C3	88044	WASHER	EA	4
7	8	XA		MS35338-134	96906	WASHER	EA	4
7	9	XA		NAS671C2	80205	NUT	EA	4
7	10	XA		11741514	19200	CONNECTOR (P1)	EA	1
7	11	XA		11737852	19200	PRINTED WIRING BOARD	EA	1

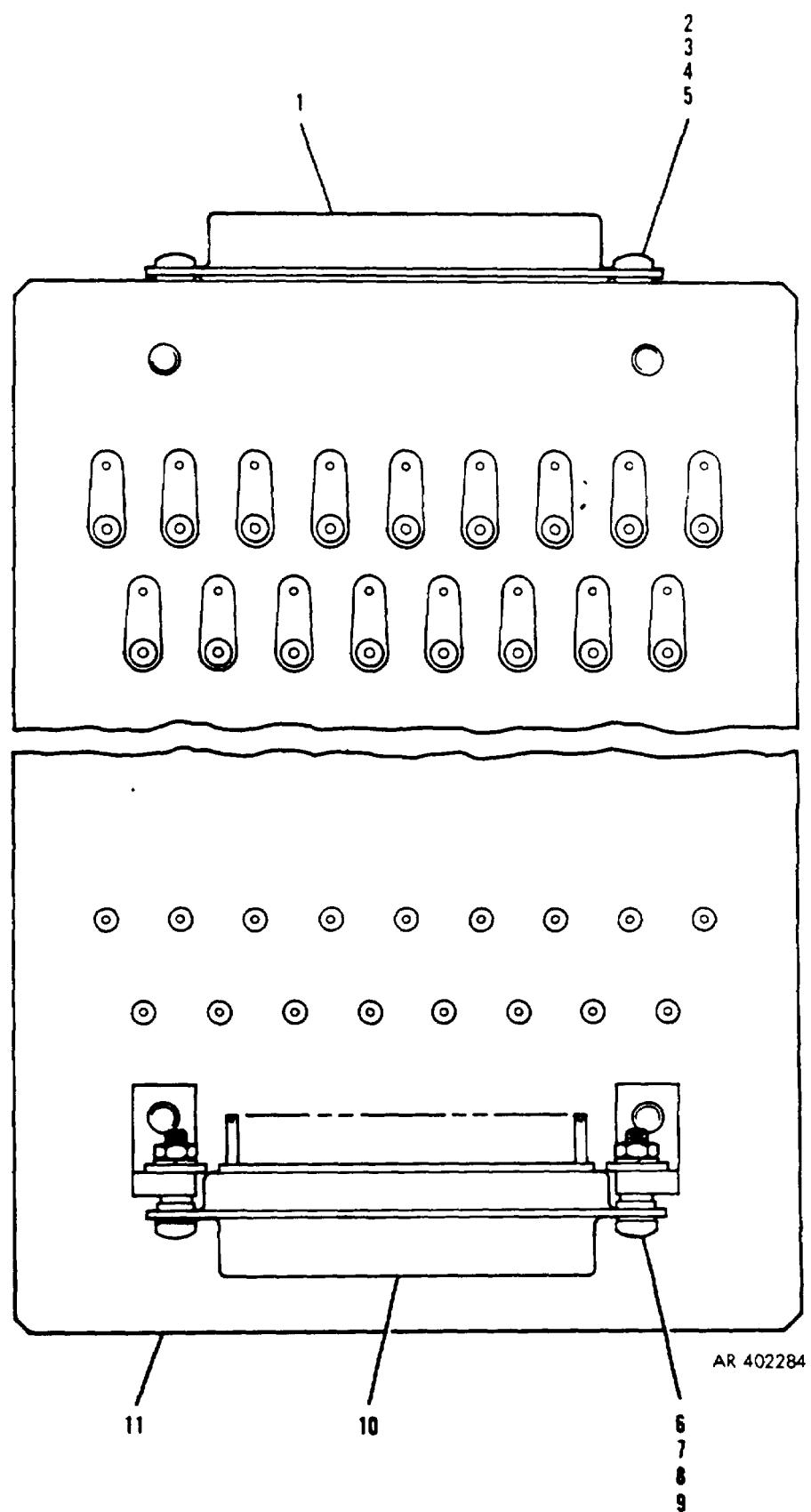


Figure 7. Power Control Extender Card Assembly-11737851

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						INTERFACE EXTENDER CARD ASSEMBLY 11737822		
8	1	XA		10559417-7	19200	CONNECTOR (Made from 10559418, 10559419).....	EA	1
8	2			10559419	19200	KEY	EA	1
8	3			10559418	19200	CONNECTOR.....	EA	1
8	4	XA		MS51957-17	96906	SCREW.....	EA	2
8	5	XA		NAS62OC4	80205	WASHER	EA	4
8	6	XA		NAS1291C04M	80205	NUT	EA	2
8	7	XA		11737840	19200	BOARD.....	EA	1

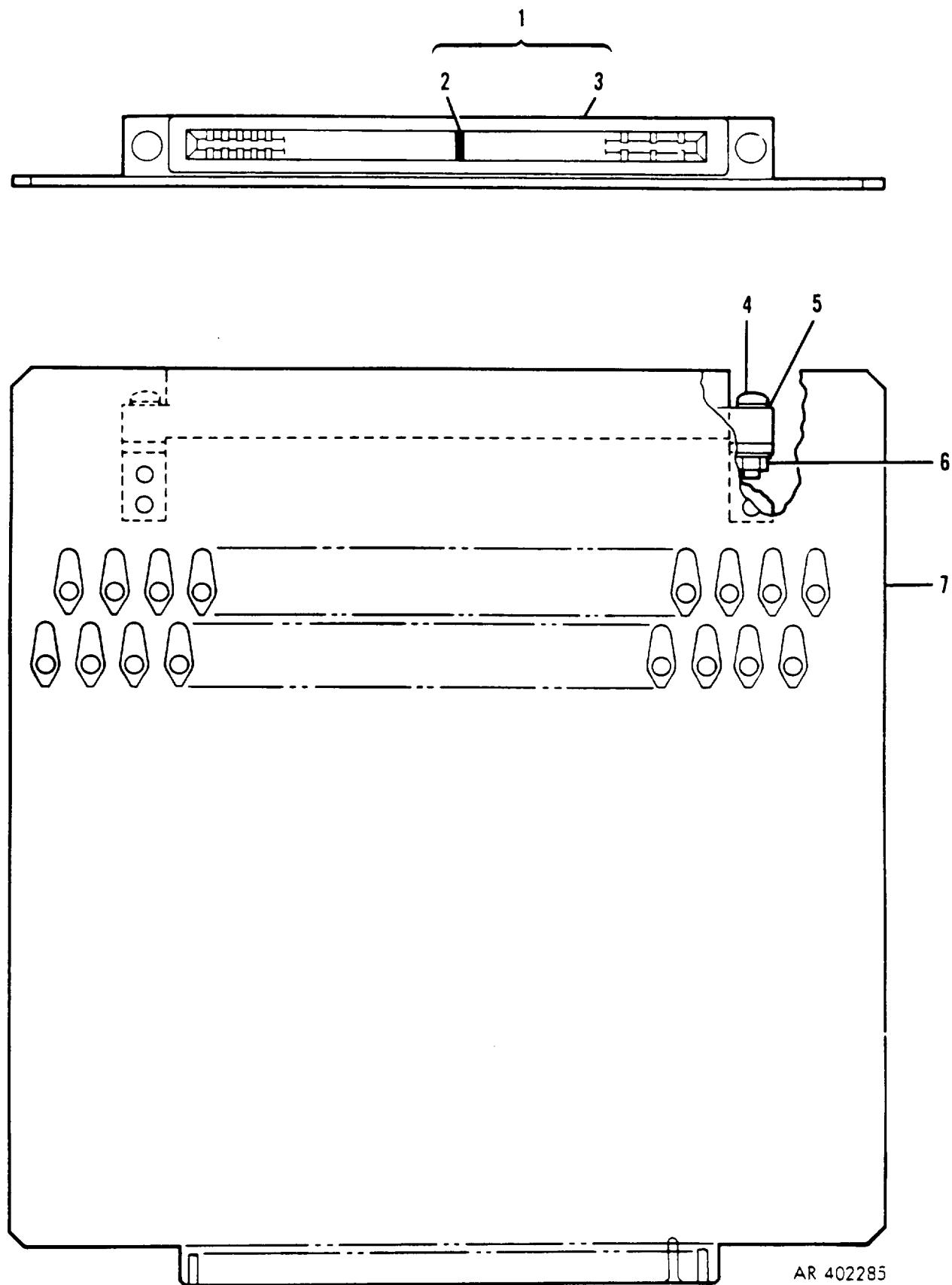


Figure 8. Interface Extender Card Assembly-11737822

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						LOW VOLTAGE POWER SUPPLY EXTENDER CARD ASSEMBLY 10559515		
9	1	PAFZZ		11738976	19200	KEY, POLARIZING	EA	1
9	2	XA		10559554	19200	CONNECTOR	EA	1
9	3	XA		NAS1635-04-8	80205	SCREW	EA	2
9	4	XA		NAS620C4	80205	WASHER	EA	4
9	6	XA		NAS1291C04M	80205	NUT	EA	2
9	6	XA		10559509-3	19200	BOARD	EA	1

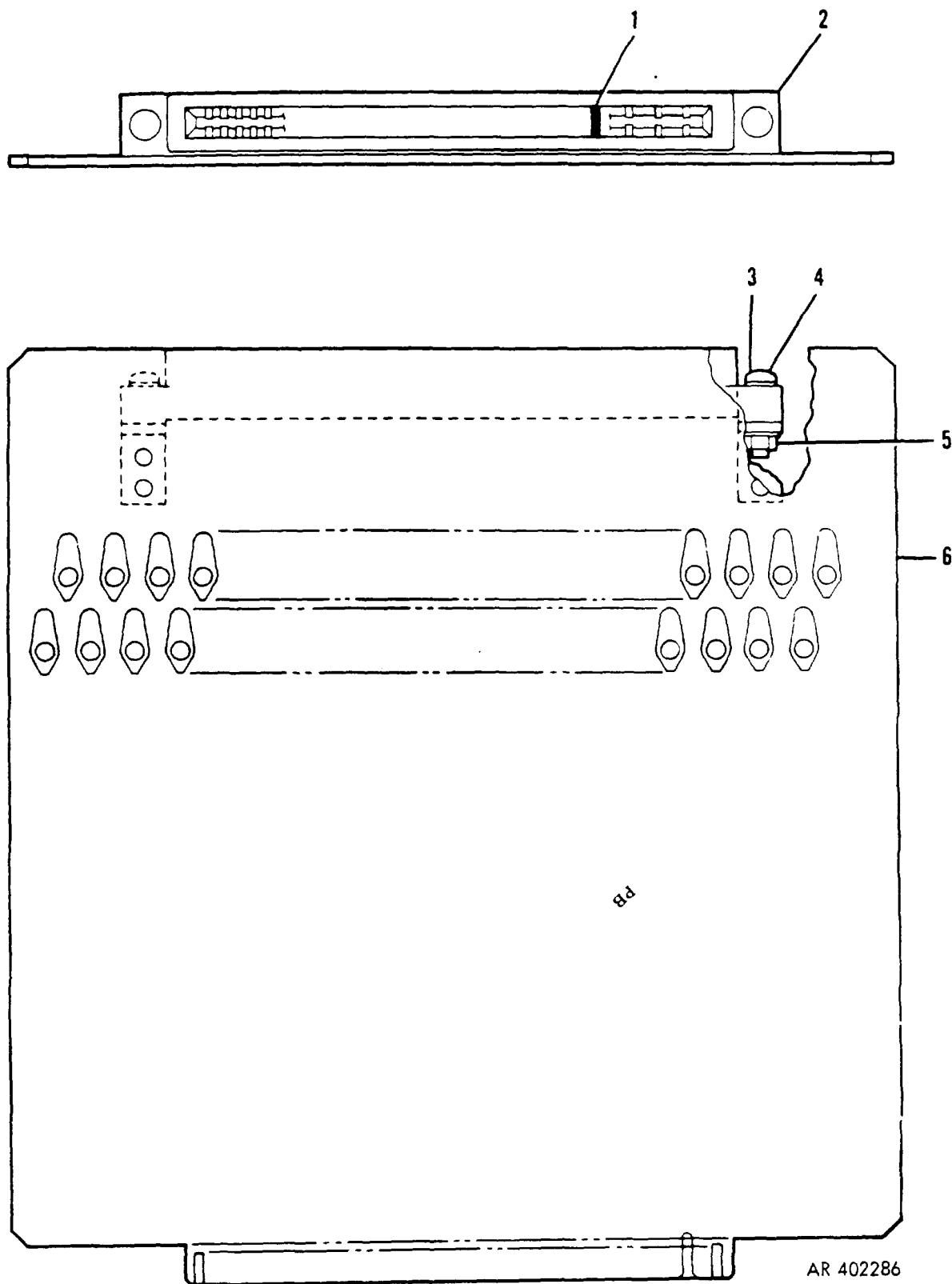


Figure 9. Low Voltage Power Supply Extender Card Assembly-10559515

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						RECEIVER-TRANSMITTER HANDLE TIE ROD ASSEMBLY 11737945		
10	1	XA		AN960C4	88044	WASHER	EA	4
10	2	XA		MS51967-17	96906	SCREW	EA	2
10	1	XA		11738007	19200	CABLE ASSEMBLY	EA	2
10	4	XA		MS17990C416	96906	PIN.....	EA	2
10	5	XA		NAS1291C04M	80205	NUT	EA	2
10	6	XA		11741608	19200	TIE ROD.....	EA	1

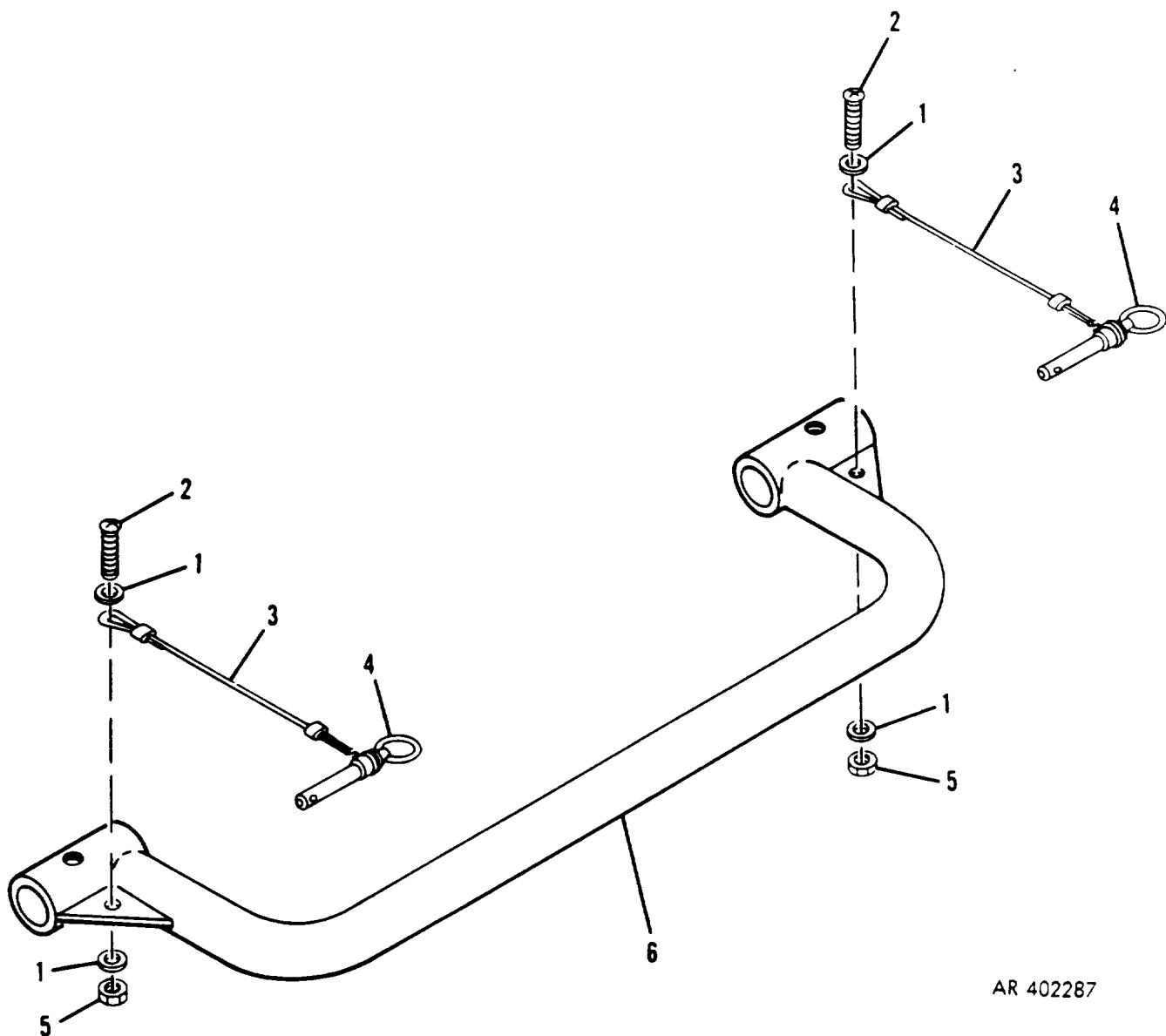


Figure 10. Receiver-Transmitter Handle Tie Rod Assembly 11737943

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						TEST CABLE ASSEMBLIES 11737815, 11737816, 11737817 AND 11737818		
11	1	XA	MS3126F14-19SW	96906	CONNECTOR (P1).....		EA	1
11	2	XA	MS51957-30	96906	SCREW		EA	2
11	3	XA	MS35338-136	96906	WASHER		EA	2
11	4	XA	MS3126F-20-41P	96906	CONNECTOR (P2).....		EA	1
11	5	XA	NAS1635-08-10	80205	SCREW		EA	2
11	6	XA	MS35338-137	96906	WASHER		EA	2
					Test Cable Assembly-11737816			
11	7	XA	MS3126F-16-26SY	96906	CONNECTOR (P1).....		EA	1
11	8	XA	MS51967-30	96906	SCREW		EA	4
11	9	XA	MS35338-136	96906	WASHER		EA	4
11	10	XA	MS3126F-16-26PW	96906	CONNECTOR (P2).....		EA	1

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						Test Cable Assembly-11737817		
11	7	XA		MS3126F-22-55SW	96906	CONNECTOR (P1)	EA	1
11	8	XA		NAS1635-08-12	80205	SCREW	EA	4
11	9	XA		MS35338-137	96906	WASHER	EA	4
11	10	XA		MS3126F-2255PN	96906	CONNECTOR (P2)	EA	4
						Test Cable Assembly-11737818		
11	7	XA		11738034	96906	CONNECTOR (P1)	EA	1
11	8	XA		MS51957-17	96906	SCREW	EA	4
11	9	XA		MS35338-135	96906	WASHER	EA	4
11	10	XA		11738033	96906	CONNECTOR (P2)	EA	1

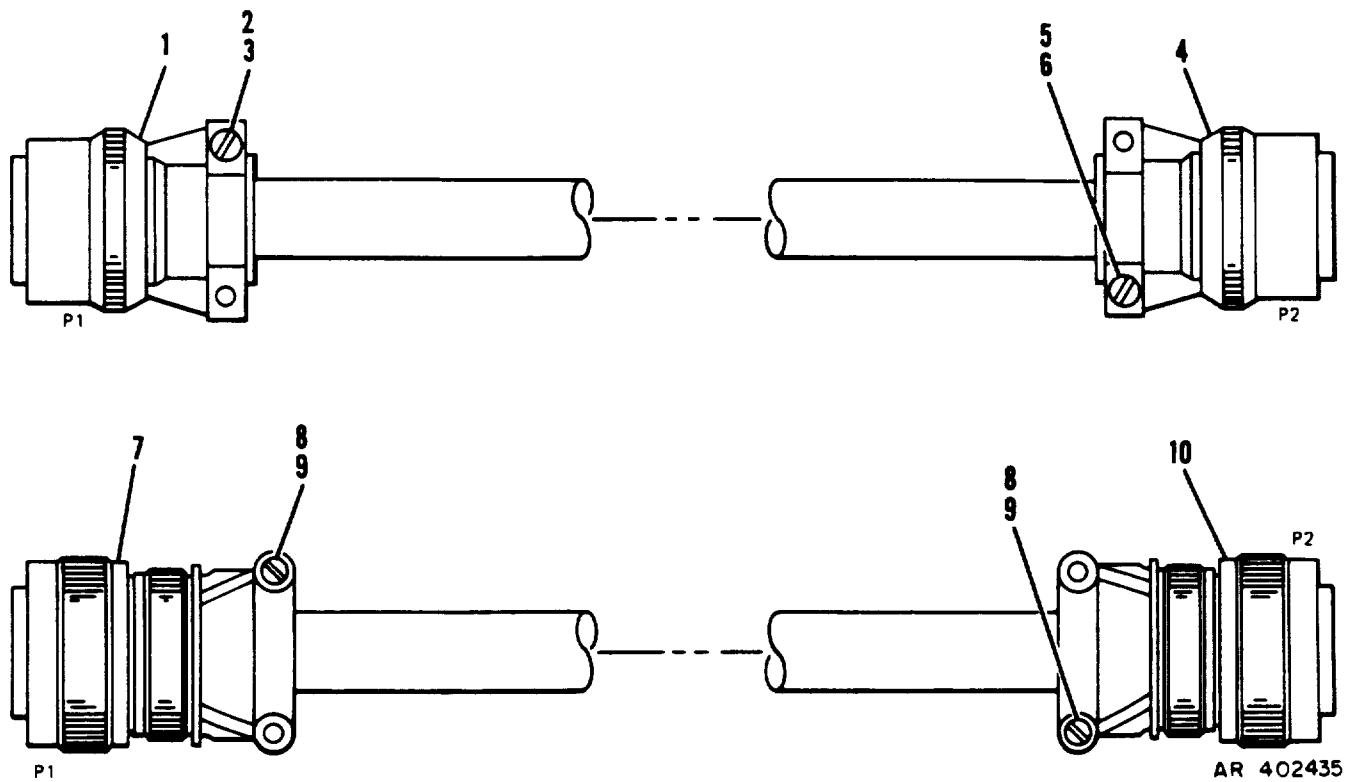


Figure 11. Test Cable Assemblies 11737815/11737816-11737817 and 11737818

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						TEST CABLE ASSEMBLY 11737819 (W53)		
12	1	XA		11738006	19200	CONNECTOR, PLUG, ELECTRICAL	EA	2
12	2	XA		11738032	19200	ADAPTER, CONNECTOR	EA	2
12	3	XA		MS51957-17	96906	SCREW	EA	4
12	4	XA		MS35338-135	96906	WASHER	EA	4

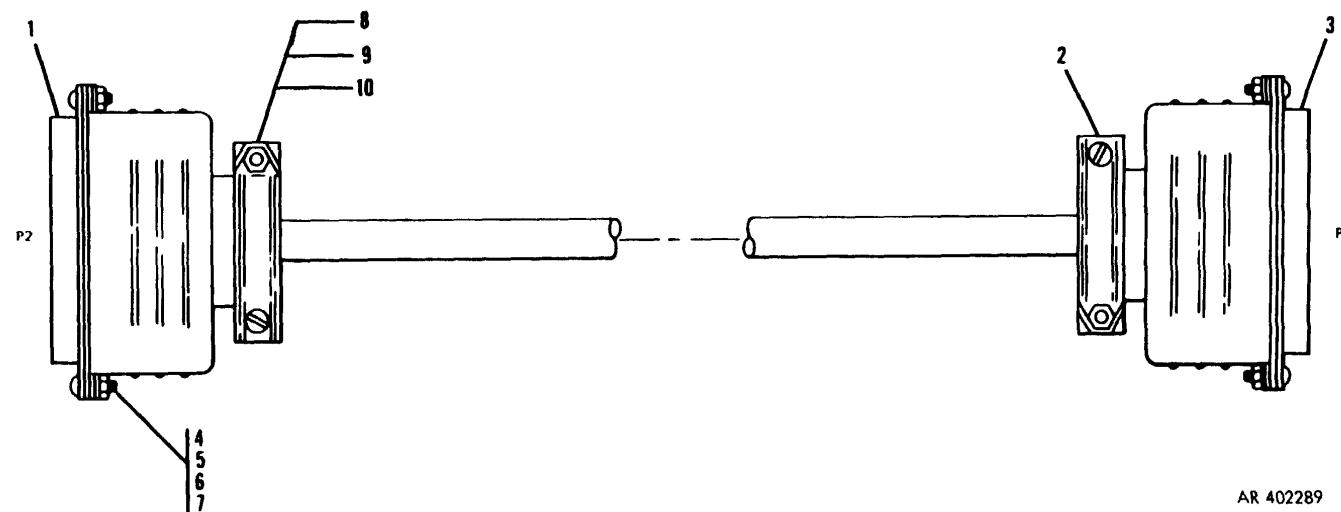


Figure 12. Test Cable Assembly-11737819

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
			TEST CABLE ASSEMBLY 11737820	M24308-3-5	81349	CONNECTOR (P2)	EA	1
13	1	XA		11738042	19200	CLAMP, CABLE	EA	2
13	3	XA		M24308-1-5	81349	CONNECTOR (P1)	EA	1
13	4	XA		MS61957-13	80205	SCREW	EA	4
13	5	XA		NAS620C4	80205	WASHER	EA	4
13	6	XA		MS35338-135	96906	WASHER	EA	4
13	7	XA		NAS671C4	80205	NUT	EA	4
13	8	XA		MS21045204	96906	NUT	EA	4
13	9	XA		MS51957-17	96906	SCREW	EA	4
13	10	XA		AN960C4	96906	WASHER	EA	4

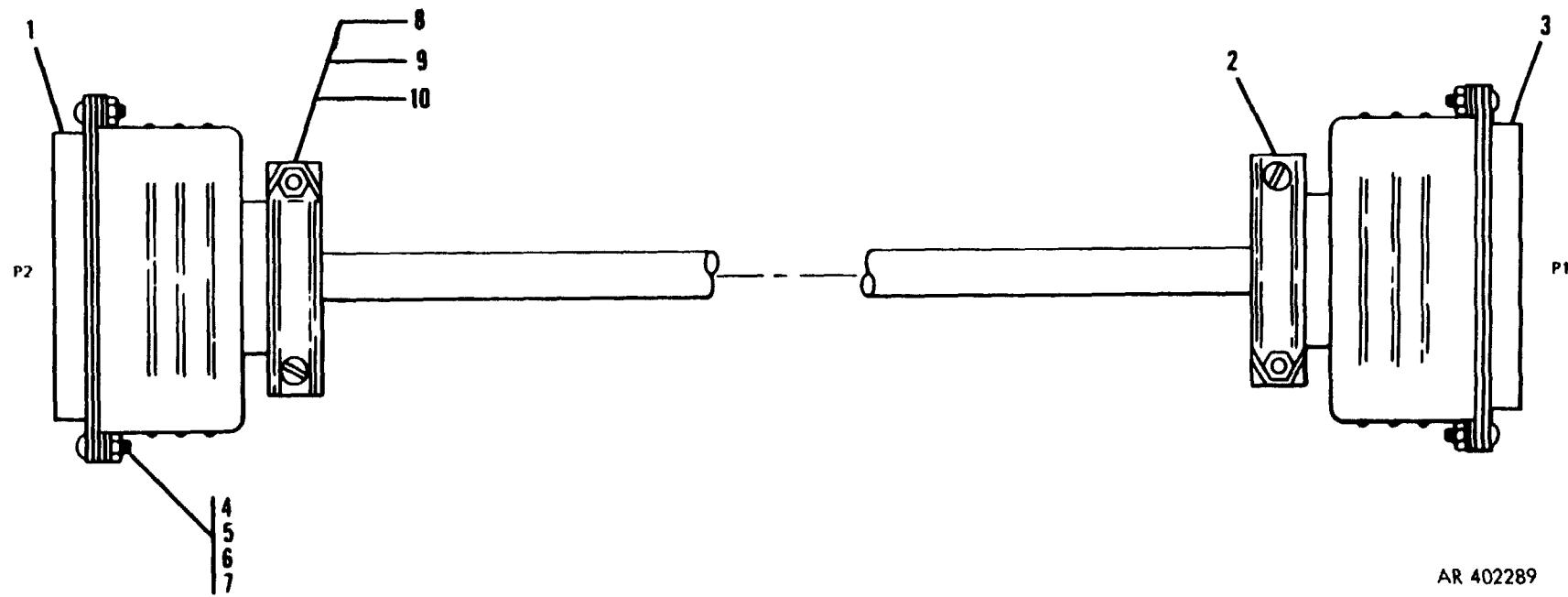


Figure 13. Test Cable Assembly-11737820

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						TEST CABLE ASSEMBLY 11737821 (W50)		
14	1	XA		MS3126F22-55S	96906	CONNECTOR (W50P2)	EA	1
14	2	XA		11738019	19200	BOOT, CABLE	EA	1
14	3	XA		MS25036-108	96906	TERMINAL, LUG.....	EA	3
14	4	XA		11738035	19200	CONNECTOR, RECEPTACLE, ELECTRICAL.....	EA	1
14	5	XA		NAS1635-08-10	80205	SCREW	EA	4
14	6	XA		MS35338-137	96906	WASHER	EA	4

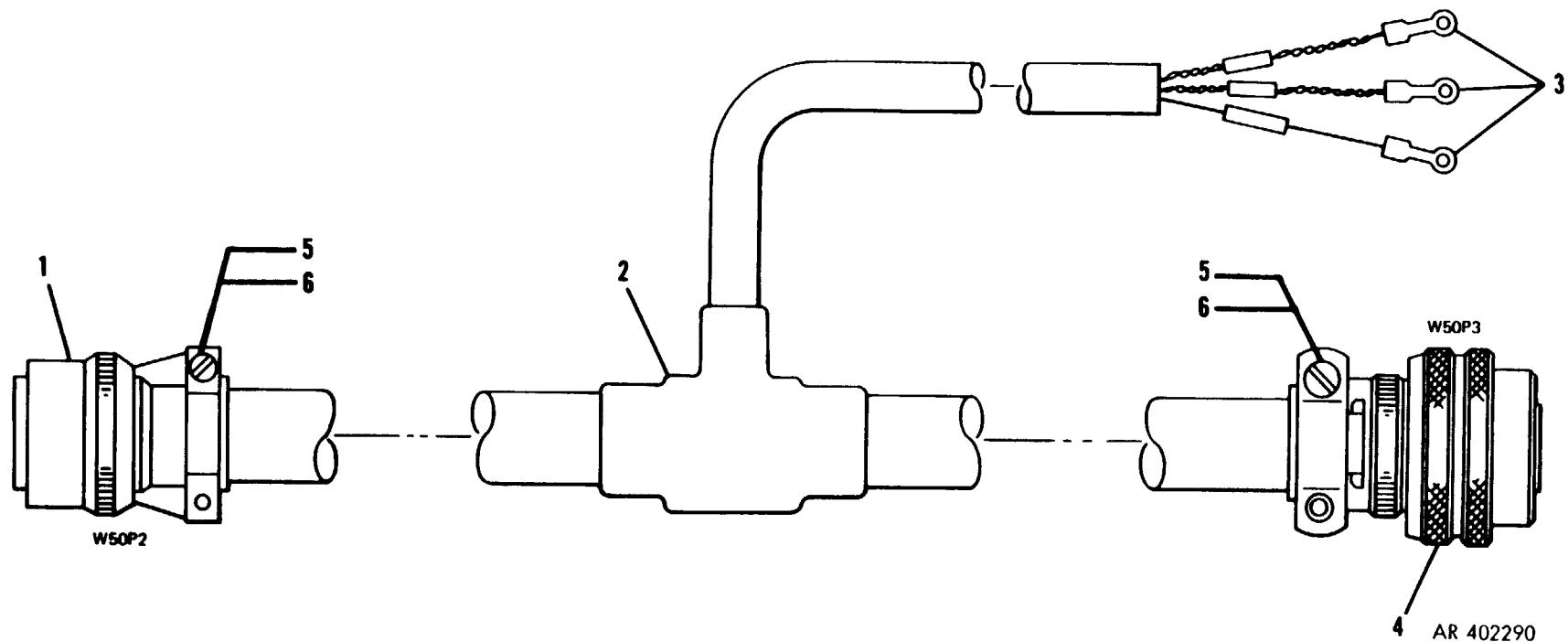


Figure 14. Test Cable Assembly-11737821

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						PULSE FORMING NETWORK CHARGE METER CABLE ASSEMBLY 11745327		
15	1	XA	MS3126F20-41PN	96906	CONNECTOR (P1)		EA	1
15	2	XA	11745639	19200	BOOT		EA	1
15	3	XA	MS3126F12-10SN	96906	CONNECTOR (P2)		EA	1
15	4	XA	11737513	19200	COVER.....		EA	1
15	5	XA	11745550-2	19200	CONNECTOR (J1)		EA	1
15	6	XA	MS51957-15	96906	SCREW		EA	2
16	7	XA	NAS1635-08-10	80205	SCREW		EA	2
15	8	XA	MS35338-135	96906	WASHER		EA	2
15	9	XA	MS35338-137	96906	WASHER		EA	2

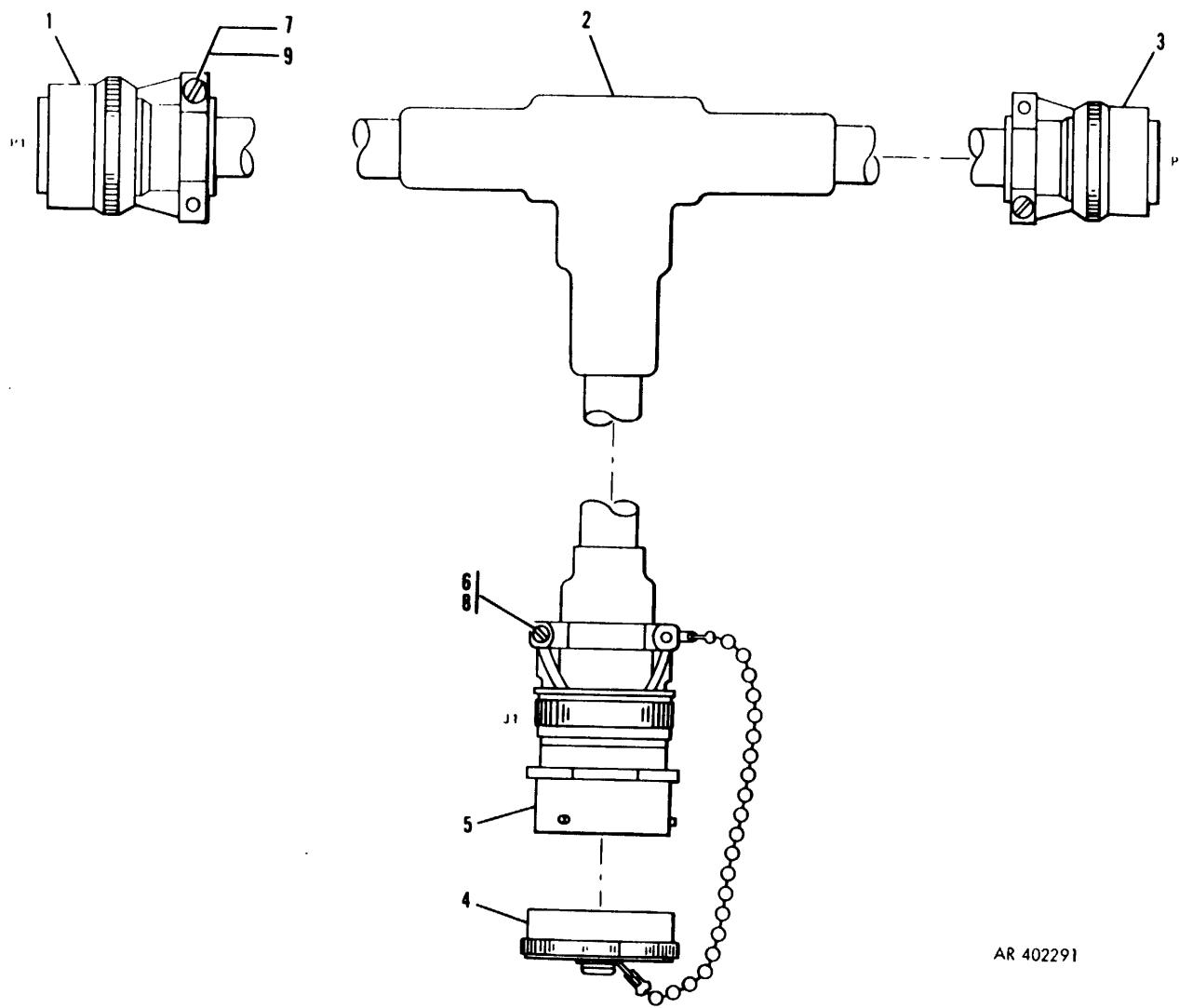


Figure 15. Pulse Forming Network Charge Meter Assembly 11745327

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT				
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M					
						COMMON SPECIAL TOOLS AND TEST EQUIPMENT CARRYING CASE ASSEMBLY 10559658						
16	1	PEFZZ	4931-00-493-9239	10559518	19200	EXTENDER CARD	EA	1				
16	2	PEFZZ	4931-00-493-9237	10559517	19200	EXTENDER CARD	EA	1				
16	3	PEFZZ	4931-00-191-1384	10559516	19200	EXTENDER CARD	EA	1				
16	4	PEFZZ	4931-00-491-6998	10559508	19200	EXTENDER CARD	EA	1				
16	5	PEFZZ	4931-00-234-3322	10559664	19200	CABLE ASSEMBLY	EA	1				
16	6	PEFDD	4931-00-169-0114	10559600	19200	TESTER LASER RECEIVER TRANSMITTER	EA	1				
16	7	PEFZZ	4120-00-628-1784	11737480-5	19200	WRENCH, SOCKET	EA	1				
16	8	PEFZZ	5120-00-851-8684	11737480-14	19200	WRENCH, SOCKET	EA	1				
16	9	PEFZZ	5120-00-851-8683	11737480-8	19200	WRENCH, SOCKET	EA	1				
16	10	PEFZZ	5120-00-967-3059	11737480-16	19200	WRENCH, SOCKET	EA	1				
16	11	PEFZZ	5120-00-901-1573	11737480-10	19200	WRENCH, SOCKET	EA	1				
16	12	PEFZZ	5120-00-926-7121	11737480-18	19200	WRENCH, SOCKET	EA	1				
16	13	PEFZZ	5120-00-967-3058	11737480-12	19200	WRENCH, SOCKET	EA	1				

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
16	14	PEFZZ	4931-00-628-1336	11737838	19200	PULLER, CARD	EA	1
16	15	PEOZZ	5120-00-628-1781	11737812-6	19200	KEY	EA	1
16	16	PEOZZ	5120-00-628-1762	11737812-4	19200	KEY	EA	1
16	17	PEOZZ	5120-00-628-1457	11737812-3	19200	KEY	EA	1
16	18	PEOZZ	5120-00-628-1759	1173812-2	19200	KEY	EA	1
16	19	PEOZZ	5120-00-626-1454	11737812-1	19200	KEY	EA	1
16	20	XDFZZ	5120-00-138-5900	11737812-6	19200	KEY	EA	1
16	21	XDFZZ		11745642	19200	INSERT, LOWER	EA	1
16	22	XDFZZ		11745640-2	19200	INSERT, UPPER	EA	1
16	23	XDFZZ		11745643	19200	CASE, CARRYING	EA	1

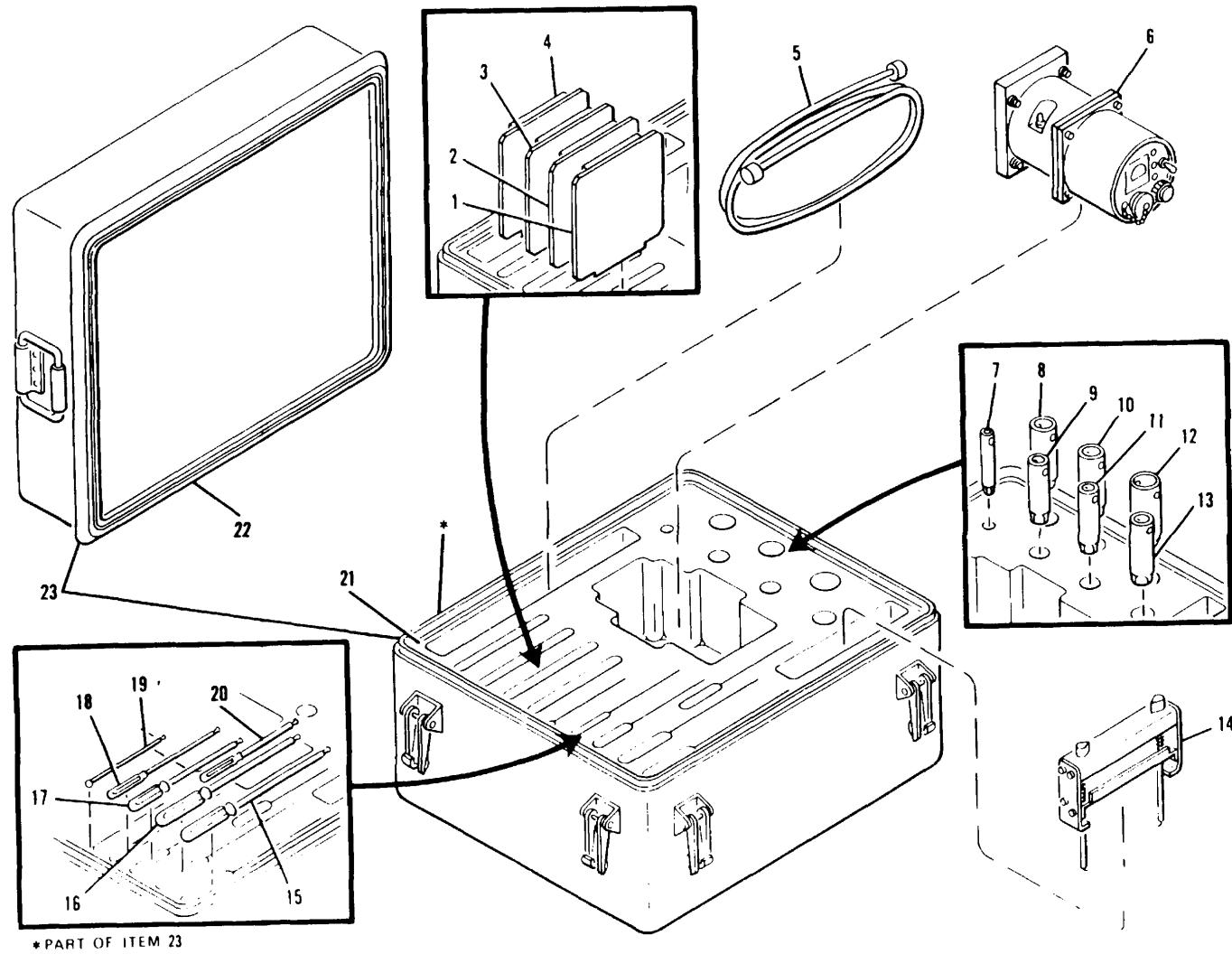
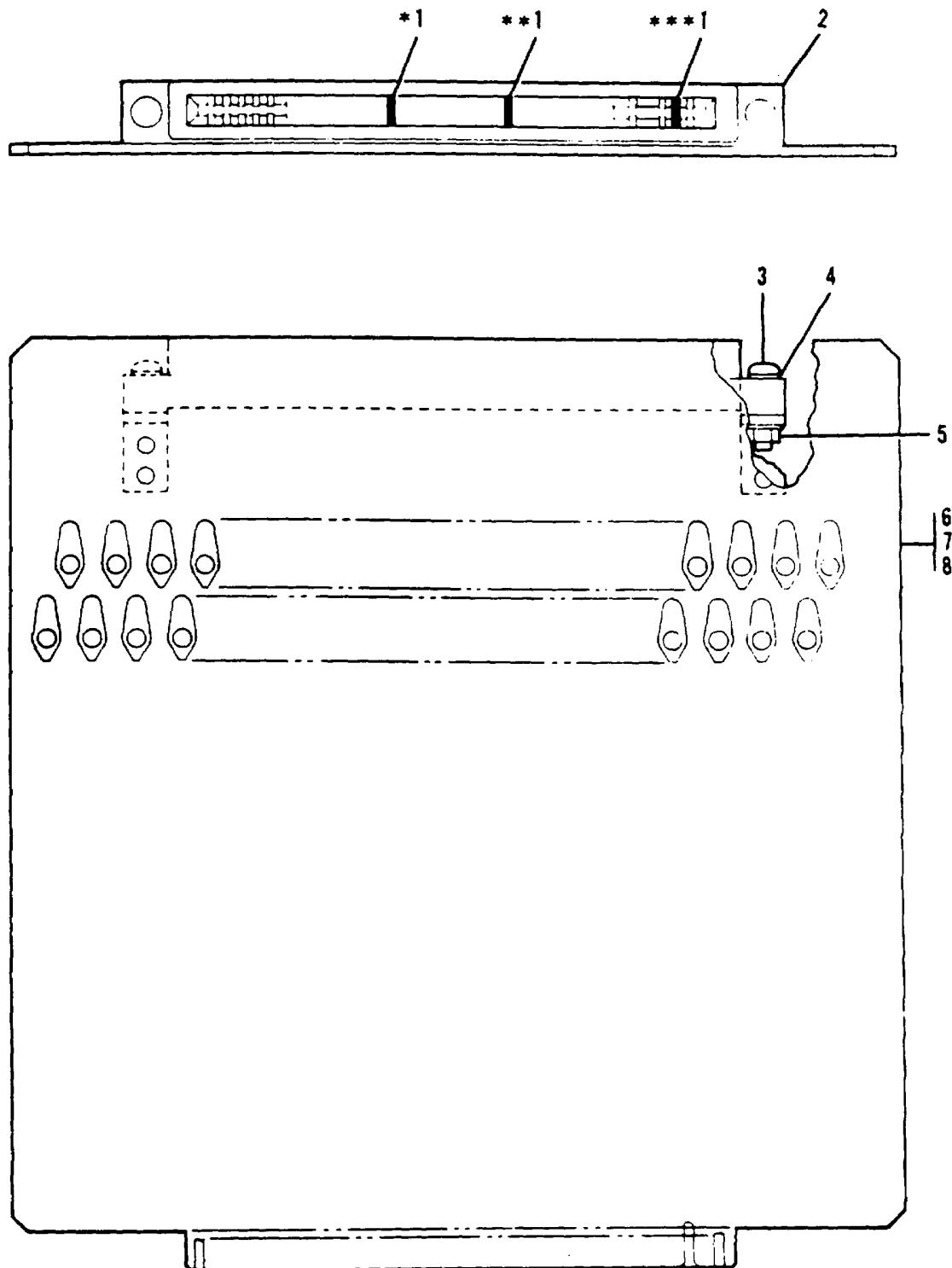


Figure 16. Common Special Tools and Test Equipment Carrying Case Assembly 10559658

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						EXTENDER CARD ASSEMBLIES 10559508,10559516 AND 10659518		
17	1	PAFZZ	5970-00-470-9525	11738976	19200	KEY POLARIZING	EA	4
17	2	XA		10559554	19200	CONNECTOR	EA	4
17	3	XA		MS51957-17	96906	SCREW	EA	8
17	4	XA		NAS620C4	80205	WASHER	EA	16
17	5	XA		NA81291C04M	80205	NUT	EA	8
17	6	XA		10559509-1	19200	BOARD	EA	1
17	7	XA		10559509-4	19200	BOARD	EA	1
17	8	XA		10559509-6	19200	BOARD	EA	1

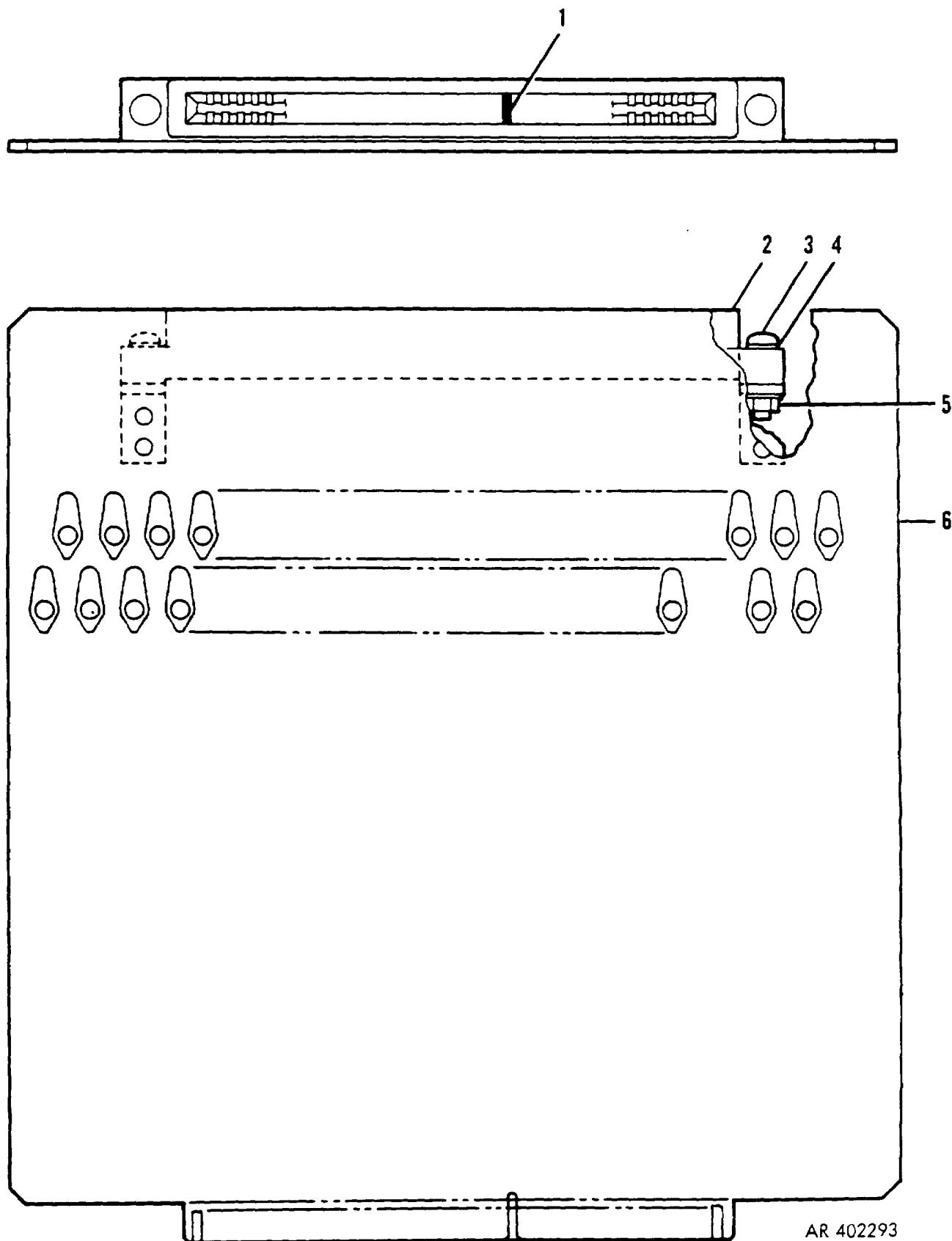


* LOCATION OF ITEM 1 IN 10559518
** LOCATION OF ITEM 1 IN 10559516
*** LOCATION OF ITEM 1 IN 10559508

AR 402292

Figure 17. Extender Card Assemblies, 10559508, 10559516, and 10559518

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						MINUS 1600V POWER SUPPLY EXTENDER CARD ASSEMBLY 10559517		
18	1	PAFZZ	5970-00-470-9525	11738976	19200	KEY POLARIZING	EA	1
18	2	PADZZ		10559554-1	19200	CONNECTOR	EA	1
18	3	XA		MS51957-17	96906	SCREW	EA	2
18	4	XA		NAS620C4	80205	WASHER	EA	4
18	5	XA		NAS1291C04M	80205	NUT	EA	2
18	6			10559602	19200	PRINTED WIRING BOARD	EA	1



AR 402293

Figure 18. Minus 1600V Power Supply Extender Card Assembly-10559517

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						ELECTRICAL SPECIAL PURPOSE CABLE ASSEMBLY 10559664 16WSI		
19	1	PADZZ	5935-00-722-4150	11738951	19200	SHELL	EA	2
19	2	PADZZ	5305-00-054-5647	NAS1635-04-4	80205	SCREW	EA	4
19	3	PADZZ	5310-00-067-0573	NAS620C4	80205	WASHER	EA	4
19	4	PAHZZ	5310-00-933-8118	MS35338-135	96906	WASHER	EA	4
19	5	PADZZ	5310-00-208-3786	NAS671C4	80205	NUT	EA	4
19	6	PADZZ	5935-00-925-1786	11738914	19200	CONNECTOR (P2)	EA	1
19	7	PADZZ	5999-00-118-7182	11738921	19200	CONTACT	EA	1
19	8	PADZZ	5999-00-034-1098	11738920	19200	CONTACT, ELECTRICAL	EA	1
19	9	PADZZ	5935-00-925-1787	11738915	19200	CONNECTOR, PLUG, ELECTRICAL (P1)	EA	1

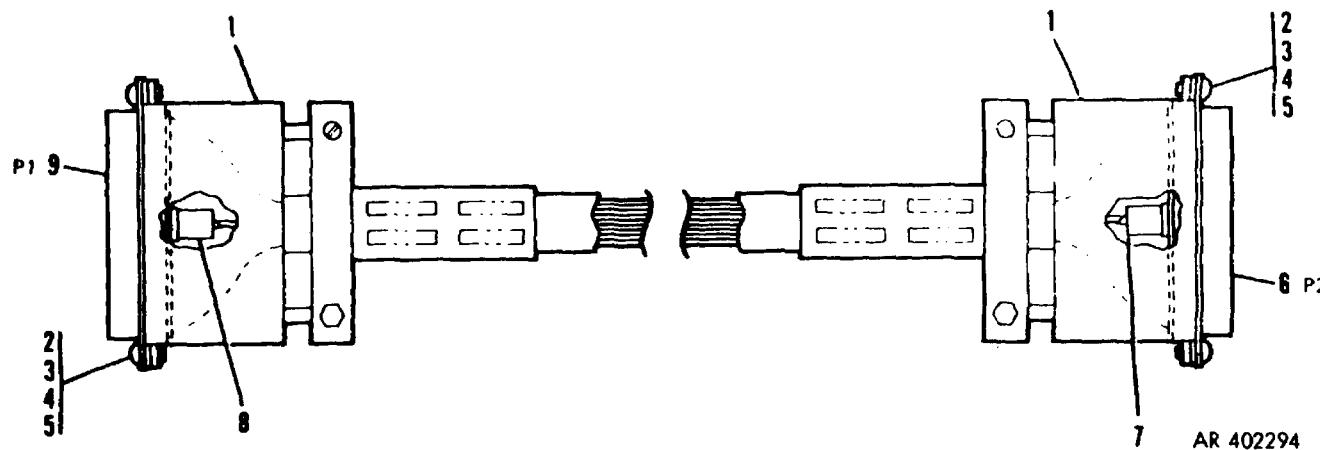


Figure 19. Electrical Special Purpose Cable Assembly-10559664

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						RECEIVER-TRANSMITTER TESTER 10559600		
20	1	PADZZ		11745317	19200	GASKET, LIGHT SEAL	EA	1
20	2	PAFZZ	4820-00-457-6392	11739027	19200	VALVE	EA	1
20	3	PADZZ	5365-00-144-6691	10559438	19200	RING, RETAINER	EA	1
20	4	PADZZ	4931-00-248-2231	10559437-1	19200	WINDOW	EA	1
20	5	PADZZ	5330-00-451-6500	11738981	19200	PACKING PREFORMED	EA	1
20	6	PADZZ	4931-00-411-6298	10559640	19200	LENS COLLIMATING	EA	1
20	7	XA		11739049	19200	LENS	EA	1
20	8	XA		10559640-1	19200	MOUNT	EA	1
20	9	PADZZ	5310-00-167-0801	AN960C10	88044	WASHER	F10	EA 4
20	10	PAFZZ	4931-00-628-2011	11745318	19200	SCREW CAPTIVE	F10	EA 1
20	11	XA		11745301	19200	HOUSING OPTICAL	F10	EA 1
20	12	PADZZ	5340-00-815-4929	MS21209C0815	96906	INSERT	EA	4
20	13	XA		11745301-1	19200	HOUSING OPTICAL	EA	1
20	14	PADZZ	4931-00-492-4417	10559644	19200	SPACER DIFFUSER	F10	EA 1

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
20	15	PADZZ	4931-00-484-8604	10559631	19200	SPACER DIFFUSER	EA	1
20	16	PADZZ	4931-00-248-2658	10659630-5	19200	FILTER	EA	1
20	17	PADZZ	4931-00-484-8606	10569630-2	19200	FILTER	EA	2
20	18	PADZZ	4931-00-493-9241	10559632	19200	DIFFUSER	EA	4
20	19	PADZZ	5330-00-250-0227	MS29513-021	96906	PACKING PREFORMED	EA	1
20	20	PADZZ	1240-00-192-4413	10553963	19200	RING RETAINER	EA	1
20	21	PADZZ	5365-00-482-9462	10559639	19200	SPACER RING	EA	1
20	22	PADZZ	4931-00-248-2270	10559630-1	19200	FILTER	EA	2
20	23A	PADZZ	4931-00-248-2543	10559630-3	19200	FILTER	EA	1
20	23B	PADZZ	4931-00-484-8605	10559630-4	19200	FILTER	EA	1
20	24	XDDDL		11745302	19200	ELECTRONIC SUBASSEMBLY	EA	1
20	25	PADZZ	5305-00-914-7023	NAS1352C08-8	80205	SCREW	EA	1
20	26	PADZZ	9905-00-628-1908	10559521	19200	PLATE IDENTIFICATION	EA	1
20	27	PADZZ	5330-00-451-3370	MS29513-046	96906	PACKING PREFORMED	EA	1
20	28	PAFZZ	9905-00-009-8671	11741550	19200	DECAL LASER WARNING	EA	1

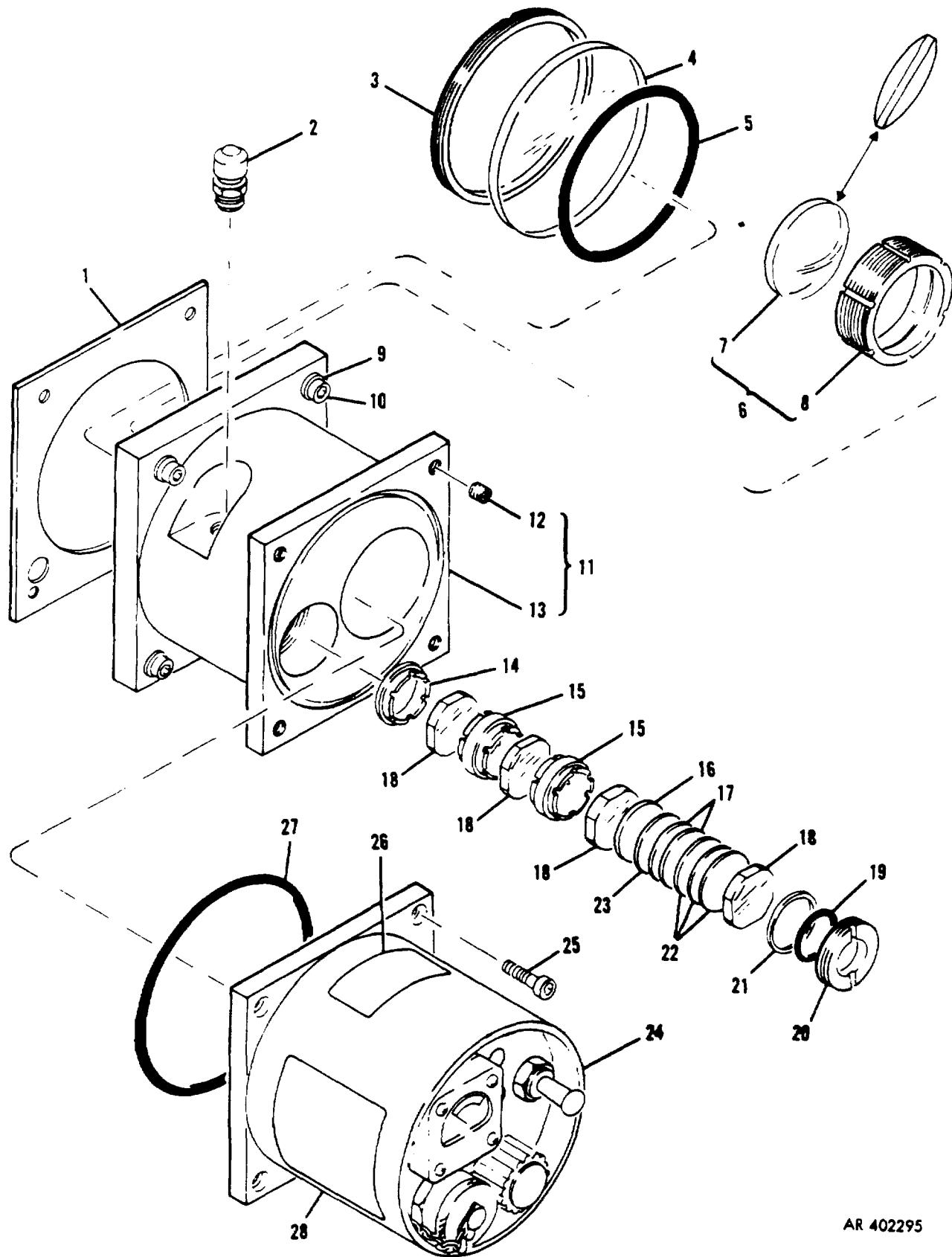


Figure 20. Receiver-Tester Transmitter Assembly 10559650

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						TESTER ELECTRICAL SUBASSEMBLY 11745302		
21	1	PADZZ	5930-00-020-9335	MS24659-27N	96906	SWITCH.....	EA	1
21	2	PADZZ	5940-00-813-0698	MS25036-101	96906	TERMINAL LUG.....	EA	6
21	3	PADZZ	5930-00-134-5261	MS24659-27N	96906	SWITCH.....	EA	1
21	4	PADZZ	5310-00-933-8120	MS35338-138	96906	WASHER	EA	1
21	5	PADZZ		11745320	19200	SCREW EXTERNALLY RELIEVED BODY.....	EA	2
21	6	PADZZ	5330-00-542-1365	MS28795-009	96906	PACKING, O-RING.....	EA	3
21	7	PADZZ		11737364-10	19200	LIGHT INDICATOR WHITE (DS2).....	EA	1
21	8	PADZZ		11737364-11	19200	LIGHT INDICATOR YELLOW (DS3)	EA	1
21	9	PADZZ		11737364-9	19200	LIGHT INDICATOR RED (DS4)	EA	1
21	10	PADZZ	5930-00-862-1084	11743600	19200	SEAL	EA	1
21	11	PADZZ	5330-00-139-0201	11743598	19200	GASKET.....	EA	1
21	12	PADZZ	6625-00-257-1105	10559645	19200	METER MODIFIED.....	EA	1
21	13	XA		10559645-1	19200	METER.....	EA	1
21	14	XA		10559646	19200	METER, FACE.....	EA	1

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
21	15	PADZZ	5310-00-723-9696	NAS620C4L	80205	WASHER	EA	4
21	16	PADZZ	5310-00-933-8118	MS35338-135	96906	WASHER	EA	5
21	17	PADZZ	5305-00-054-5652	M561957-18	96906	SCREW	EA	1
21	18	PADZZ	5305-00-054-5646	MS51957-12	96906	SCREW	EA	1
21	19	XDDZZ		11743599	19200	SOCKET, LAMP.....	EA	1
21	20	PADZZ	5940-00-557-1629	MS25036-149	96906	TERMINAL, LUG.....	EA	1
21	21	PADZZ	5305-00-928-9455	MS24671-7	96906	SCREW	EA	1
21	22	PADZZ	6240-00-267-6756	10559648	19200	LAMP	EA	1
21	23	PADZZ	5305-00-469-1147	NAS1635-02-3	80205	SCREW	EA	1
21	24	PADZZ	5310-00-928-2690	MS35338-134	96906	WASHER	EA	1
21	25	XDDZZ		11745305	19200	PLATE LAMP, SUPPORT	EA	1
21	26	PADZZ	5940-00-113-9828	MS25036-148	96906	TERMINAL	EA	1
21	27	PADZZ	5340-00-815-4930	MS21209C0615	96906	INSERT, HELICAL, COIL	EA	3
21	28	XDDZZ		11745306	19200	STUD	EA	3
21	29	PADZZ	5365-00-580-3867	NAS43DD3-30	80205	SPACER	EA	3

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
21	30	PADZZ	5310-00-781-9483	NAS620C10L	80205	WASHER	EA	3
21	31	PADZZ	5310-00-812-4292	NAS671C10	80205	NUT	EA	2
21	32	PADZZ	5310-00-298-2466	11745319	19200	NUT, SLEEVE.....	EA	1
21	33	PADDL	4931-00-628-1831	11745312	19200	CIRCUIT CARD ASSEMBLY.....	EA	1
21	34	PADDL	4931-00-628-1822	11745307	19200	CIRCUIT CARD ASSEMBLY.....	EA	1
21	35	PADZZ	5305-00-054-6650	MS51957-26	96906	SCREW	EA	2
21	36	PADZZ	5310-00-929-6395	MS35338-136	96906	WASHER	EA	2
21	37	PADZZ	5940-00-636-5429	11739061	19200	TERMINAL, LUG.....	EA	1
21	38	PADZZ	5935-00-699-9361	MS3181-14C	96906	COVER CONNECTOR	EA	1
21	39	PADZZ	5355-00-702-0161	MS91528-2E4B	96906	KNOB	EA	1
21	40	PADZZ	5305-00-262-0077	11737540-1	19200	SCREW SEALING.....	EA	1
21	41	XA		11745304	19200	HOUSING	EA	1
21	42	PADZZ	5935-00-256-8779	MS3114H14C19PW	96906	CONNECTOR	EA	1

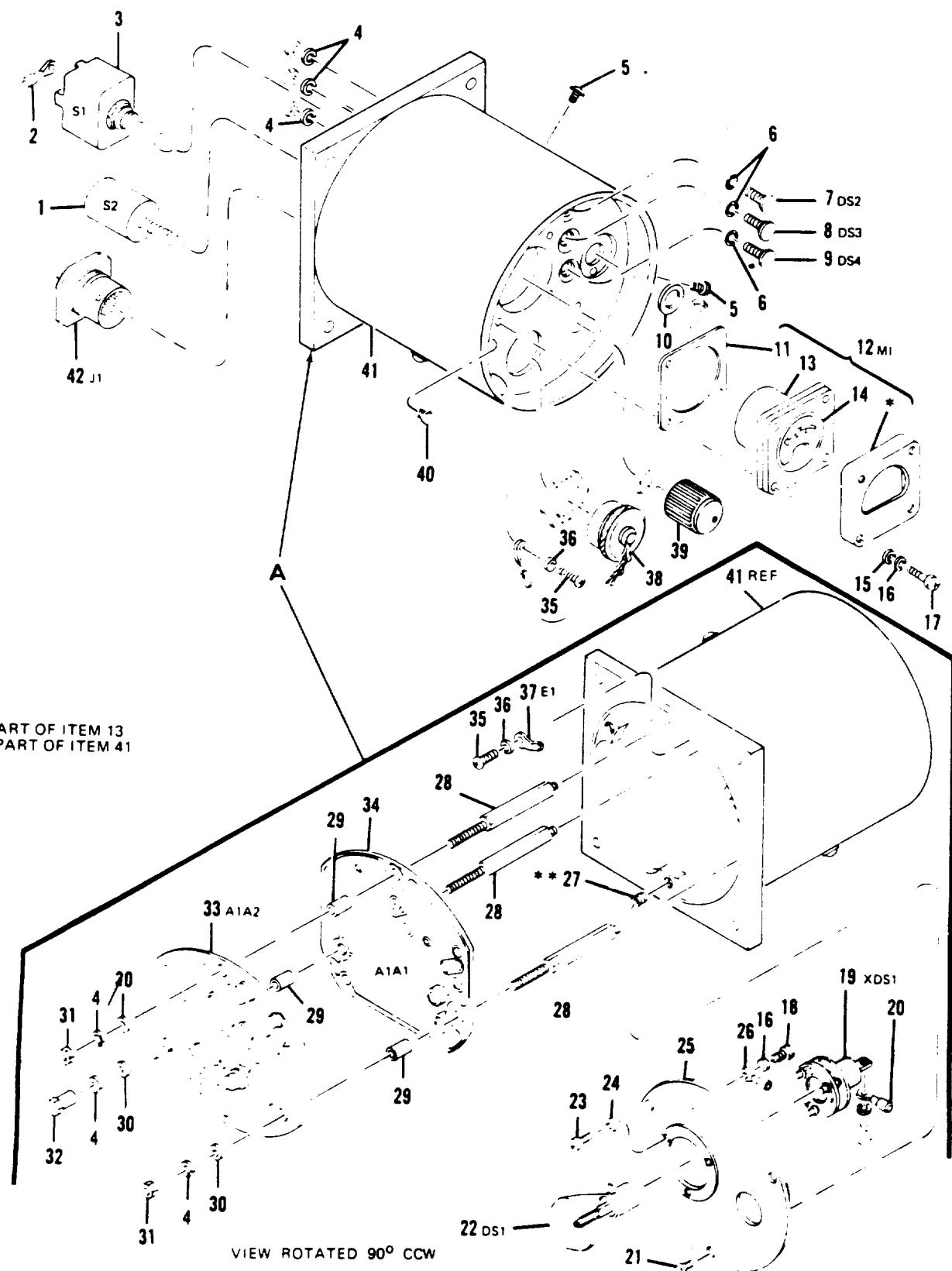


Figure 21. Tester Electrical Subassembly 11745302

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						LAMP TEST DRIVER CIRCUIT CARD ASSEMBLY 11745312 (AIA2)		
22	1	PADZZ	5310-00-208-3786	NAS671C4	19200	NUT	EA	1
22	2	PADZZ	5310-00-933-8118	MS35338-135	96906	WASHER	EA	1
22	3	PADZZ	5310-00-057-0573	NAS620C4	80205	WASHER	EA	1
22	4	PADZZ	1240-00-522-3640	10559558	19200	REACTOR, POWER	EA	1
22	5	PADZZ	5961-00-483-4237	11738954	19200	TRANSISTOR	EA	1
22	6	PADZZ	5905-00-104-8368	RCR07G470JS	81349	RESISTOR	EA	1
22	7	PADZZ	5961-80-949-1440	JAN2N2905A	81349	TRANSISTOR	EA	1
22	8	PADZZ	5310-00-812-4292	NAS671C10	80205	NUT	EA	1
22	9	PADZZ	5310-00-933-8120	MS35338-138	96906	WASHER	EA	1
22	10	PADZZ	5310-00-989-0640	NAS620C10	80205	WASHER	EA	1
22	11	PADZZ		10548102	19200	SEMICONDUCTOR DEVICE DIODE	EA	1
22	12	PADZZ	5905-00-110-7620	RCR07G102JS	81349	RESISTOR	EA	1
22	11	PADZZ	5910-00-022-5659	M39014-02-230	81349	CAPACITOR	EA	3

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
22	14	PADZZ	5961-00-146-4486	JAN1N5552	81349	SEMICONDUCTOR.....	EA	1
22	15	PADZZ	5910-00-802-7432	11739024	19200	CAPACITOR	EA	1
22	16	PADZZ	5905-00-110-0196	RCR20G102JS	81349	RESISTOR, FIXED COMPOSITION.....	EA	1
22	17	PADZZ	5961-00-456-4711	JAN2N3499	81349	TRANSISTOR	EA	1
22	18	PADZZ	5961-00-821-2309	JAN1N751A	81349	SEMI CONDUCTOR.....	EA	1
22	19	PADZZ	5910-00-484-2977	11739017	19200	CAPACITOR	EA	2
22	20	PADZZ	5962-00-462-0978	10548103	19200	INTEGRATED CIRCUIT.....	EA	1
22	21	PADZZ	5906-00-138-7399	RNC65H5111JS	81349	RESISTOR, FIXED FILM.....	EA	1
22	22	PADZZ	5906-00-107-0656	RCR07G100JS	81349	RESISTOR	EA	1
22	23	PADZZ	5905-00-629-9665	RNC60H2612FS	81349	RESISTOR, FIXED, FILM.....	EA	1
22	24	PADZZ	5910-00-201-1074	CMR06F11GODM	81349	CAPACITOR, FIXED, MICA DIELECTRIC	EA	1
22	25	PADZZ	5962-00-118-7090	11738081	19200	INTEGRATED CIRCUIT.....	EA	1
22	26	PADZZ	5906-00-471-2422	RNC55A1101FS	81349	RESISTOR, FIXED FILM.....	EA	1
22	27	PADZZ	5905-00-114-0711	RCR07G472JS	81349	RESISTOR	EA	1
22	28	PADZZ	5905-00-106-1357	RCR07G563JS	81349	RESISTOR.....	EA	1

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
22	29	PADZZ	5905-00-431-5160	RNC55H8060FS	81349	RESISTOR, FIXED FILM.....	EA	1
22	30	PADZZ		RNR60H5492FM	81349	RESISTOR, FIXED FILM.....	EA	1
22	31	PADZZ	5905-00-404-9172	RNC60H4872FS	81349	RESISTOR, FIXED FILM.....	EA	1
22	32	PADZZ	5905-00-186-2212	RNC60H2153FS	81349	RESISTOR, FIXED FILM.....	EA	1
22	33	PADZZ	5961-00-702-3435	JANIN3600	81349	SEMICONDUCTOR.....	EA	1
22	34	PADZZ	5905-00-721-3678	RNC55H2491FS	81349	RESISTOR, FIXED FILM.....	EA	1
22	35	PADZZ	5961-00-852-5174	JANIN939B	81349	SEMICONDUCTOR.....	EA	1
22	36	PADZZ	5905-00-150-5032	RJ12CY502	81349	RESISTOR.....	EA	1
22	37	XA		11745314	19200	PRINTED WIRING BOARD	EA	1
22	38	XA		11739007	19200	TERMINAL.....	EA	5
22	39	XA		MS17122-6	96906	TERMINAL.....	EA	12

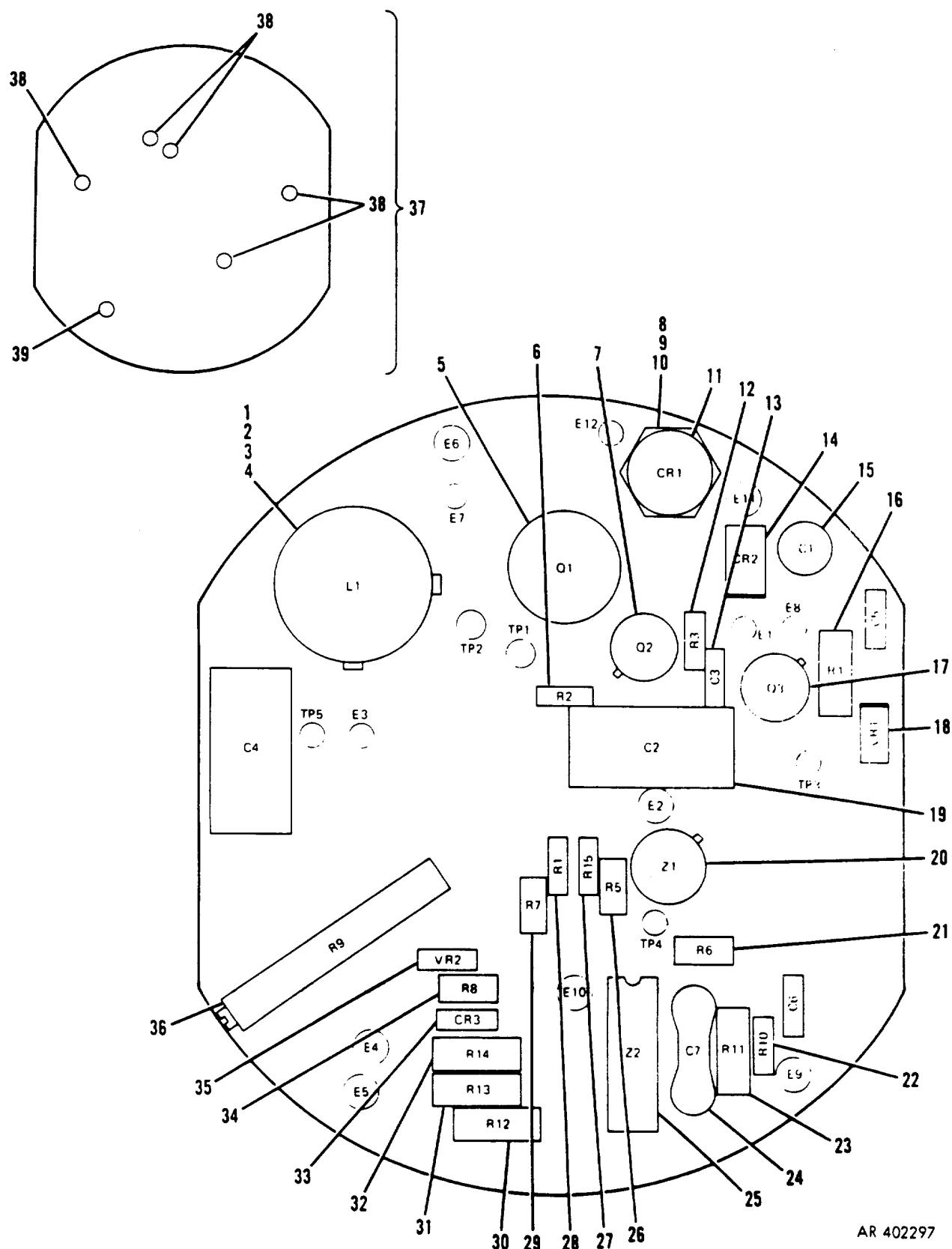


Figure 22. Lamp Test Driver Circuit Card Assembly 11745312

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
23	1	PADZZ	5910-00-158-5369	M23269-02-3049	81349	CAPACITOR	EA	1
23	2	PADZZ	5905-00-121-9919	RCR07G106JS	81349	RESISTOR.....	EA	1
23	3	PADZZ	5962-00-454-2052	11738933	19200	MICRO CIRCUIT LINEAR	EA	1
23	4	PADZZ	5961-00-011-3637	11739099	19200	TRANSISTOR	EA	1
23	5	PADZZ	5961-00-257-1064	11739037	19200	TRANSISTOR	EA	1
23	6	PADZZ	5905-00-136-3890	RCR07G513JS	81349	RESISTOR.....	EA	1
23	7	PADZZ	5905-00-432-0126	RJ12CY503	81349	RESISTOR.....	EA	1
23	8	PADZZ	5910-00-022-5659	M39014-02-0230	81349	CAPACITOR, FIXED C2, C4	EA	2
23	9	PADZZ	5905-00-107-0656	RCR07G100JS	81349	RESISTOR.....	EA	2
23	10	PADZZ	5905-00-114-5407	RCR20G271JS	81349	RESISTOR	EA	1
23	11	PADZZ	5910-00-431-7781	11739030	19200	CAPACITOR	EA	1
23	12	PADZZ	5905-00-106-3666	RCR07G103JS	81349	RESISTOR	EA	2
23	13	PADZZ	5905-00-114-0708	RCR07G202JS	81349	RESISTOR	EA	1
23	14	PADZZ	5905-00-106-9356	RCR07G203JS	81349	RESISTOR	EA	1

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
23	15	PADZZ	5961-00-951-8757	JAN2N2222A	81349	TRANSISTOR.....	EA	1
23	16	PADZZ	5961-00-862-7549	JANIN754A	81349	SEMICONDUCTOR.....	EA	1
23	17	PADZZ	5962-00-531-7738	11738956	19200	MICRO CIRCUIT DIGITAL.....	EA	1
23	18	PADZZ	5910-00-688-5175	11739018	19200	CAPACITOR, FIXED	EA	2
23	19	PADZZ	5910-00-110-7322	M39014-02-0225	81349	CAPACITOR	EA	1
23	20	PADZZ	5961-00-466-3456	11738949	19200	SEMICONDUCTOR, DEVICE, DIODE	EA	1
23	21	PADZZ	5950-00-043-0423	LT4K097	81349	COIL, RF	EA	1
23	22	PADZZ	5961-00-814-0768	JANIN3064	81349	SEMICONDUCTOR DEVICE	EA	1
23	23	PADZZ		RNR65H1603FM	81349	RESISTOR FIXED, FILM.....	EA	1
23	24	XA		11745309	19200	PRINTED WIRING BOARD	EA	3
23	25	XA		11739007	19200	TERMINAL STUD (TP1 THRU TP5).....	EA	5
23	26	XA		MS17122-6	96906	TERMINAL	EA	12
23	27	XA		MS16535-77	96906	RIVET.....	EA	2
23	28	XA		10599359	19200	BRACKET, CAPACITOR.....	EA	2

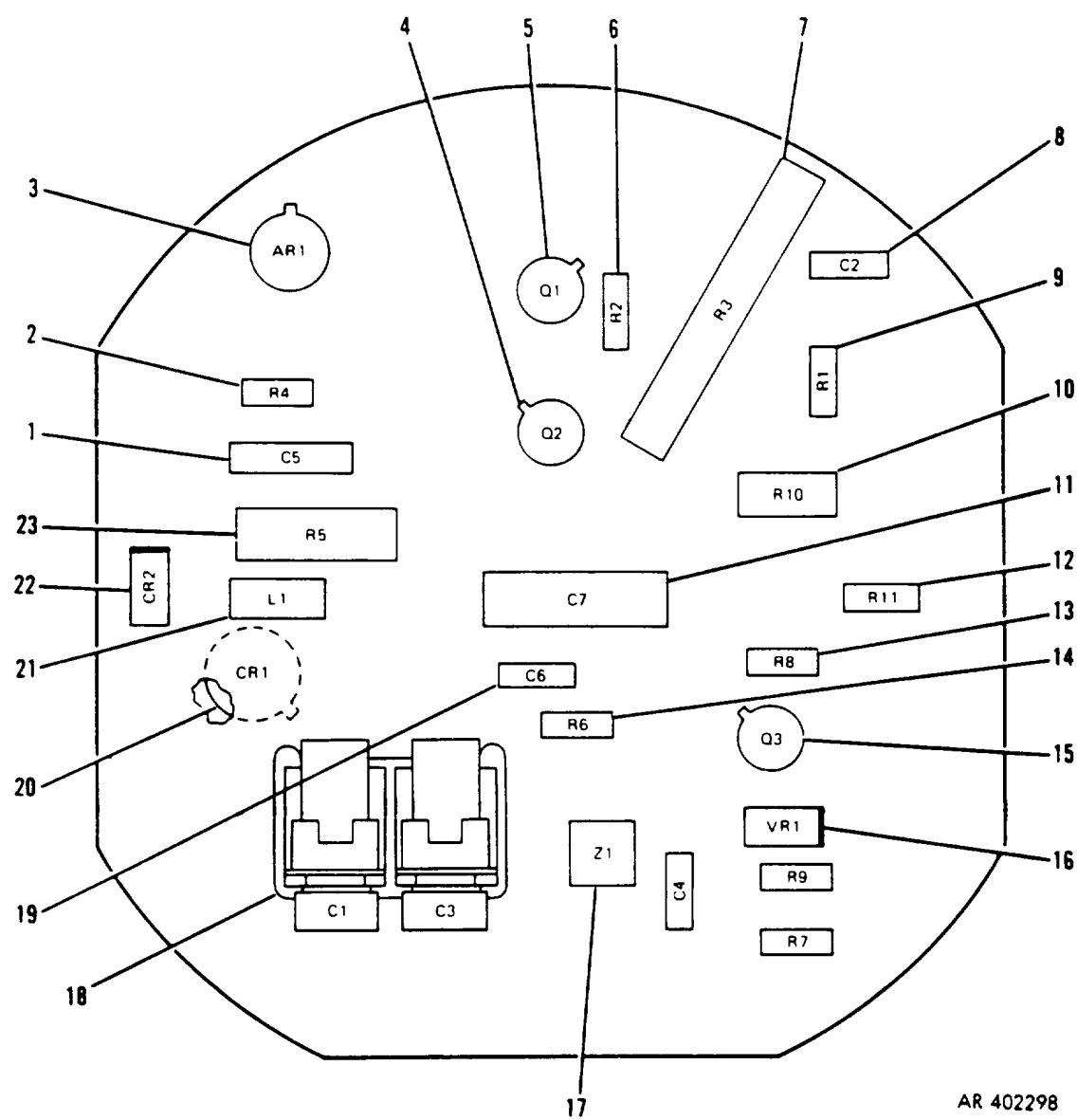
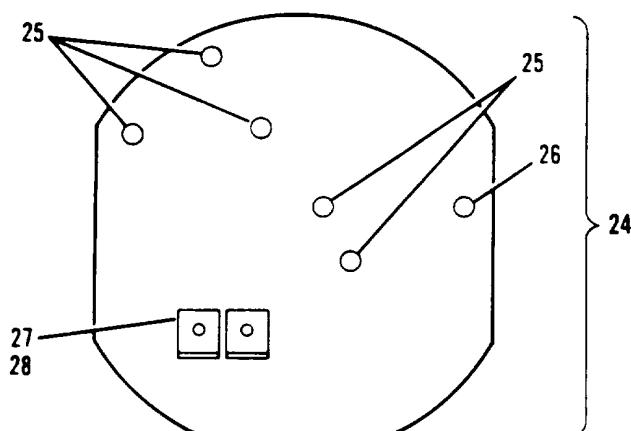


Figure 23. Energy Detector Circuit Card Assembly-11745307

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						CIRCUIT CARD PULLER ASSEMBLY 11737838		
24	1	XA		11737839	19200	RAIL.....	EA	2
24	2	XA		11741585	19200	WASHER	EA	4
24	3	XA		MS51967-46	96906	SCREW	EA	4
24	4	XA		MS51967-42	96906	SCREW	EA	4
24	5	XA		AN960C8	88044	WASHER	EA	4
24	6	XA		MS91528-0P1B	98906	KNOB	EA	2
24	7	XA		11737844	19200	HANDLE	EA	1
24	8	XA		11737844-1	19200	HANDLE	EA	1
24	9	XA		MS21208C0815	96906	INSERT	EA	4
24	10	XA		MS24585C56	96906	SPRING.....	EA	4
24	11	XA		AN960C6	88044	WASHER	EA	2
24	12	XA		MS166334012	96906	RING	EA	4
24	13	XA		NAS1515M06L	80205	WASHER	EA	6
24	14	XA		NAS1515M08L	80205	WASHER	EA	4

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
24	15	XA		NAS1291C08M	80205	WASHER	EA	4
24	16	XA		11737843	19200	ROD	EA	2
24	17	XA		11737849	19200	SLIDE	EA	1

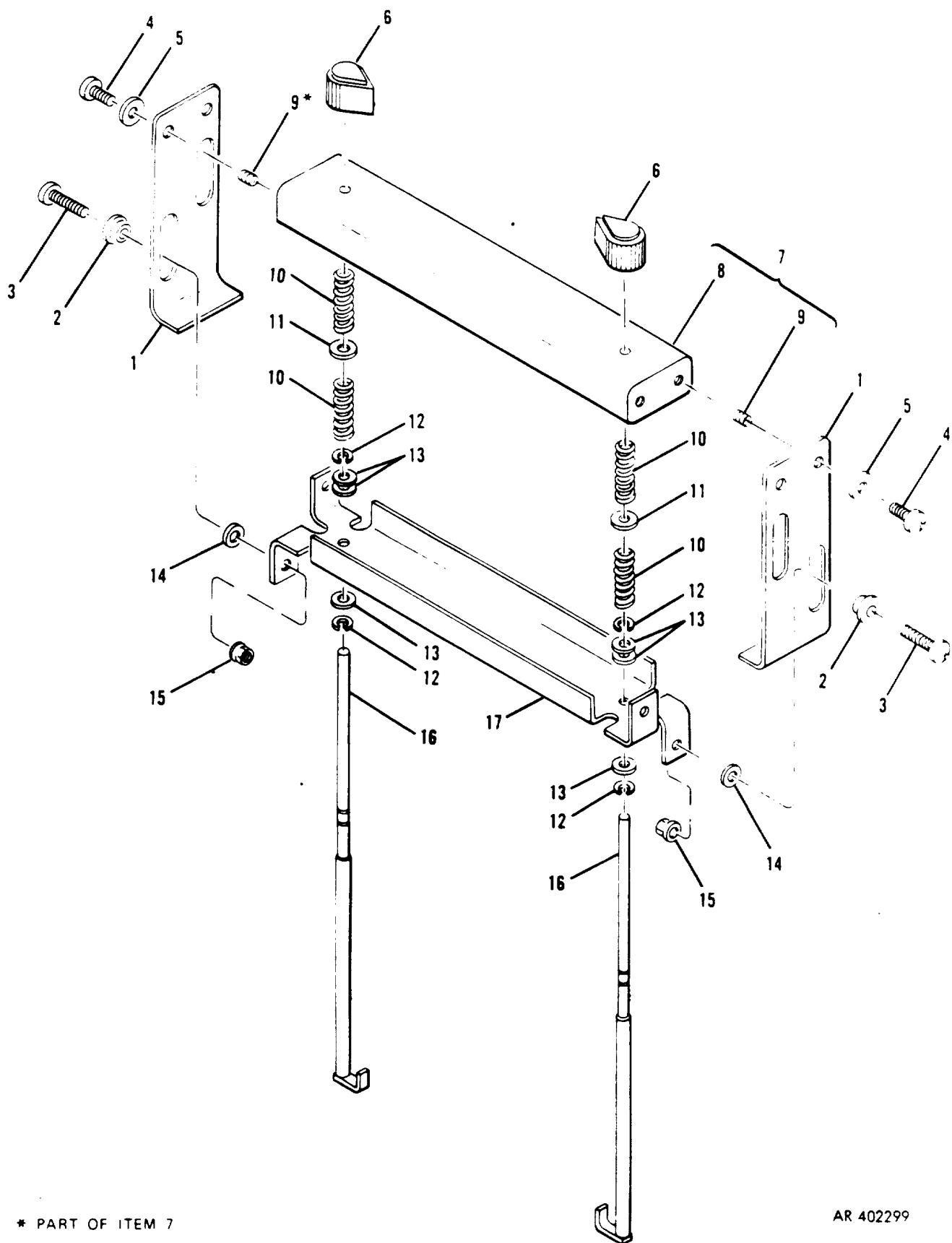


Figure 24. Circuit Card Puller Assembly 11737838

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						ALIGNMENT SPECIAL TOOLS AND TEST EQUIPMENT CARRYING CASE ASSEMBLY 11738863		
25	1	PAHDD	4931-00-628-1987	11741599	19200	LENS, ASSEMBLY.....	EA	1
25	2	PAHZZ	4931-00-628-1750	11741597	19200	CABLE ASSEMBLY	EA	1
25	3	PAHZZ	4244-00-258-2054	10554508	19200	GOGGLES, INDUSTRIAL	EA	2
25	4	PEHZZ	4931-00-628-1334	11741598	19200	TOOL BORESIGHT ADJUSTMENT	EA	1
25	5	XA		11738823	19200	KEY HOLDER	EA	1
25	6	XA		AN565A440H2	88044	SETSCREW	EA	1
25	7	XA		11745553	19200	WRENCH	EA	1
25	8	XA		MS51021-11	96906	SETSCREW	EA	1
25	9	XA		11737992	19200	HANDLE	EA	1
25	10	XDHZZ		11745641	19200	INSERT, LOWER	EA	1
25	11	XDHZZ		11745640-1	19200	INSERT, UPPER	EA	1
25	12	XDHZZ		11737981	19200	CASE, CARRYING	EA	1

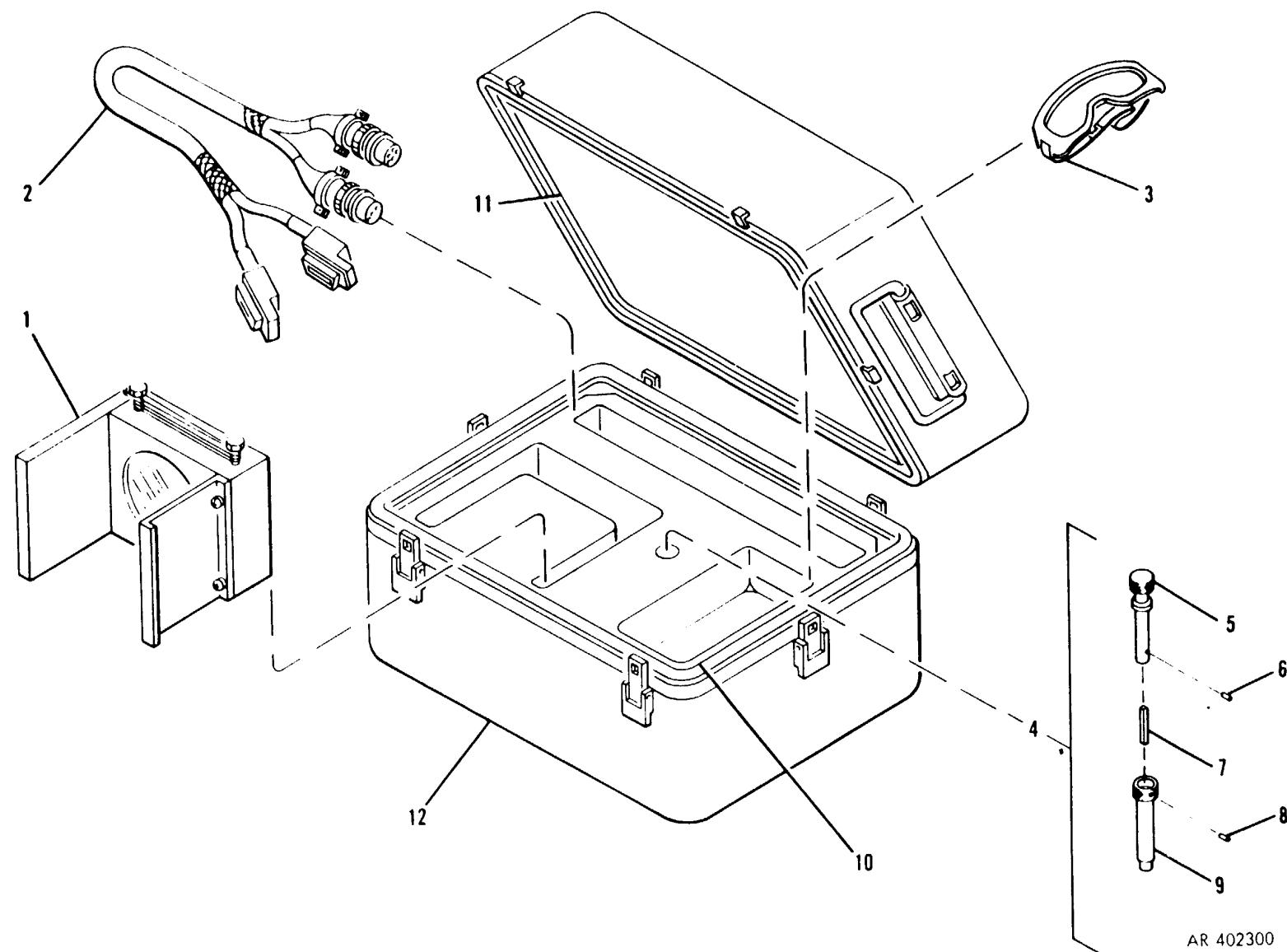


Figure 25. Alignment Special Tools and Test Equipment Carrying Case Assembly-17738863

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						ALIGNMENT LENS ASSEMBLY 11741599		
26	1	PADZZ	5305-00-054-6650	MS51957-26	96906	SCREW, MACHINE.....	EA	4
26	2	PADZZ	5310-00-929-6395	MS35338-136	96906	WASHER	EA	4
26	3	PADZZ	5310-00-531-9514	AN960C6	88044	WASHER	EA	4
26	4	XA		11737856	19200	HOLDER LENS, ASSEMBLY	EA	1
26	5	XA		MS122118	96906	INSERT	EA	4
26	6	XA		11737856-1	19200	HOLDER	EA	1
26	7	XA		MS21209C0815	96906	INSERT	EA	7
26	8	XDDZZ	5310-00-685-3744	AN960C8	88044	WASHER	EA	7
26	9	XDDZZ	5306-00-434-5074	NAS1352-08-8	80205	SCREW	EA	7
26	10	XA		11737850	19200	SIDE PLATE, ASSEMBLY	EA	1
2fi	11	XA		11737850-1	19200	PLATE	EA	1
26	12	XA		MS21209F1-15	96906	INSERT	EA	2
26	13	XA		MS21209C0415	96906	INSERT	EA	1
26	14	PADZZ	5940-00-143-4780	MS25036-108	96906	TERMINAL, LUG.....	EA	1

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
26	15	XDDZZ		NAS43DD-05	80205	SPACER.....	EA	1
26	16	PADZZ	5310-00-782-1349	M815795-804	96906	WASHER FLAT	EA	1
26	17	PADZZ	5310-00-933-8118	MS35338-135	96906	WASHER	EA	1
26	18	PADZZ	5305-00-054-5648	MS51957-14	96906	SCREW, MACHINE.....	EA	1
26	19	XDDZZ		11737855	19200	LEG, MOUNTING	EA	1
26	20	PADZZ	4931-00-628-1305	11737907	19200	CORD ASSEMBLY ELECTRICAL.....	EA	1
26	21	PADZZ		11737869	19200	SCREW, CAP HEXAGON HEAD.....	EA	1
26	22	XDDZZ		11737906	19200	INSULATOR, LENS	EA	1
26	23	PADZZ	1240-00-628-2000	11745662	19200	LENS, OPTICAL INSTRUMENT	EA	1
26	24	PAHZZ	5330-00-902-8340	MS9068-159	96906	PACKING, PREFORMED.....	EA	1
26	25	PADZZ	4931-00-628-2018	11737857	19200	RETAINER, OPTICAL ELEMENT	EA	1

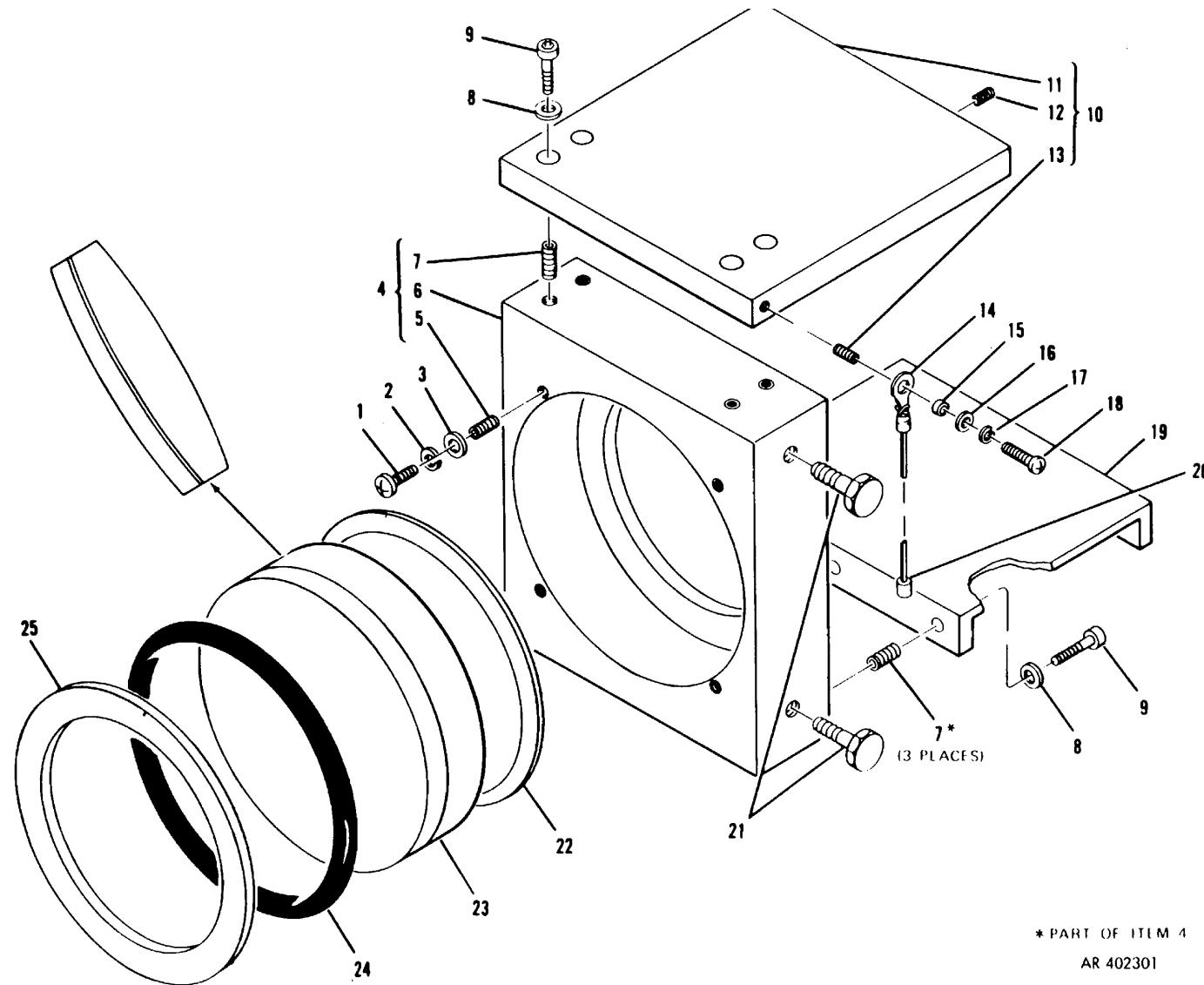


Figure 26. Alignment Lens Assembly 11741599

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						BRANCHED CABLE ASSEMBLY 11741597		
27	1	XA		11745616	19200	CONNECTOR, RECEPTACLE, ELECTRICAL P1, P2.....	EA	2
27	2	XA		NAS1635-04-6	80205	SCREW	EA	4
27	3	XA		MS35338-135	96906	WASHER	EA	4
27	4	XA		NAS62OC4	80805	WASHER	EA	4
27	5	XA		11738920	19200	CONTACT	EA	1
27	6	XA		11745617	19200	SHELL	EA	2
27	7	XA		1174550-1	19200	CONNECTOR, RECEPTACLE (J2)	EA	1
27	8	XA		11745551	19200	CONNECTOR, RECEPTACLE (J1)	EA	1
27	9	XA		MS17822-1-9A	96906	BAND, MARKER, BLANK.....	EA	1

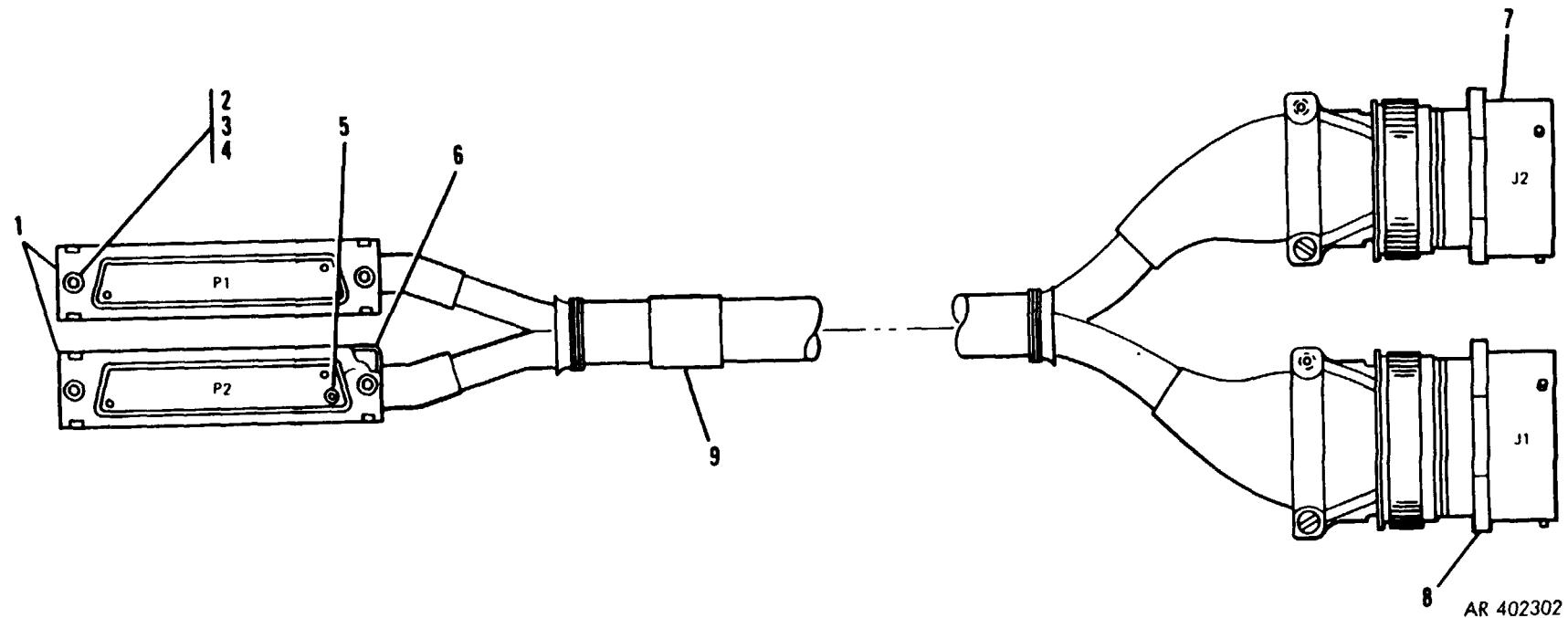
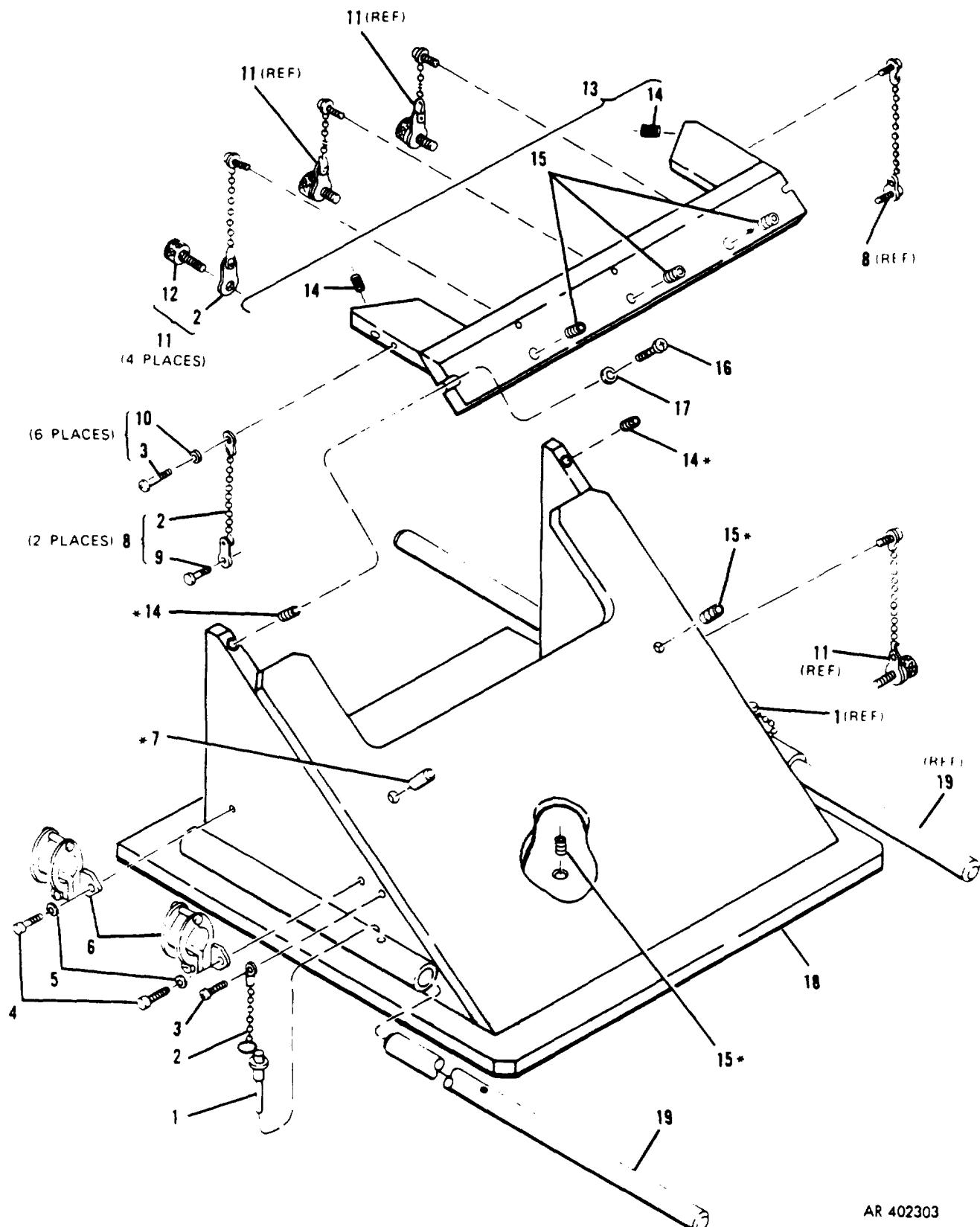


Figure 27. Branched Cable Assembly-11741597

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
						HOLDING FIXTURE ASSEMBLY 11738862		
28	1	PAHZZ	5340-00-904-1665	MS17984-C413	96906	PIN, QUICK RELEASE.....	EA	2
28	2	PAHZZ	4010-00-937-4490	NAS1201C6B10A	80205	CHAIN ASSEMBLY SINGLE LEG.....	EA	2
28	3	PAHZZ	5305-00-069-0301	NAS1352C04-6	80205	SCREW	EA	8
28	4	PAHZZ		NAS1352C3-6	80205	SCREW CAP SOCKET HEAD.....	EA	2
28	5	PAHZZ	5310-00-933-8120	MS35338-138	96906	WASHER, LOCK	EA	2
28	6	PAHZZ	5975-00-701-5264	11745636	19200	CLAMP, CABLE	EA	2
28	7	XA		MS16555-660	96906	PIN.....	EA	1
28	8	PAHZZ	4931-00-628-1316	11745634	19200	BOLT ASSEMBLY	EA	2
28	9	XA		11745630	19200	BOLT	EA	2
28	10	PAHZZ	5310-00-933-8118	MS35338-135	96906	WASHER, LOCK	EA	6
28	11	PAHZZ	4931-00-628-1321	11745633	19200	BOLT ASSEMBLY	EA	4
28	12	XA		11745631	19200	BOLT	EA	4
28	13	XA		11745626	19200	BRACKET ASSEMBLY.....	EA	1
28	14	XA		MS51830-202	96906	INSERT	EA	4

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	
28	15	XA		MS51830-108	86906	INSERT	EA	5
28	16	PAHZZ	5305-00-235-9883	NAS1351C4-20	80205	SCREW CAP SOCKET HEAD.....	EA	2
28	17	PAHZZ	5310-00-531-9515	AN960CA16	88044	WASHER	EA	2
28	18	XA		11745625	19200	MOUNT ASSEMBLY.....	EA	1
28	19	XDHZZ		11745627	19200	HANDLE	EA	1



* PART OF ITEM 18

AR 402303

Figure 28. Holding Fixture Assembly 11738862

STOCK NUMBER	FIGURE NO.	NATIONAL STOCK NUMBER INDEX ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
1240-00-140-2855	1	7	5120-00-628-1784	16	7
1240-00-145-6395	1	8	5120-00-851-8683	16	9
1240-00-146-6179	1	5	5120-00-851-8684	16	8
1240-00-192-4413	20	20	5120-00-901-1573	16	11
1240-00-522-3640	22	4	5120-00-926-7123	16	12
1240-00-628-2000	26	23	5120-00-967-3058	16	13
1265-00-147-8759	1	9	5120-00-967-3059	16	10
1265-00-162-3444	1	6	5305-00-054-5646	21	18
4010-00-937-4490	28	2	5305-00-054-5647	19	2
4244-00-258-2054	25	3	5305-00-054-5648	26	18
4820-00-457-6392	20	2	5305-00-054-5652	21	17
4931-00-138-5899	2	15	5305-00-054-6650	21	35
4931-00-138-5901	2	7	5305-00-054-6650	26	1
4931-00-138-5902	2	1	5305-00-069-0301	28	3
4931-00-169-0114	16	6	5305-00-235-9883	28	16
4931-00-191-1384	16	3	5305-00-262-0077	21	40
4931-00-234-3322	16	5	5305-00-459-1147	21	23
4931-00-248-2231	20	4	5305-00-914-7023	20	25
4931-00-248-2270	20	22	5306-00-434-5074	26	9
4931-00-248-2543	20	23A	5310-00-057-0573	19	3
4931-00-248-2558	20	16	5310-00-057-0573	22	3
4931-00-415-6298	20	6	5310-00-167-0801	20	9
4931-00-484-8604	20	15	5310-00-208-3786	19	5
4931-00-484-8605	20	23B	5310-00-208-3786	22	1
4931-00-484-8606	20	17	5310-00-298-2466	21	32
4931-00-491-6998	16	4	5310-00-531-9514	26	3
4931-00-492-4417	20	14	5310-00-531-9515	28	17
4931-00-493-9236	2	13	5310-00-685-3744	26	8
4931-00-493-9237	16	2	5310-00-723-9696	21	15
4931-00-493-9239	16	1	5310-00-781-9483	21	30
4931-00-493-9241	20	18	5310-00-782-1349	26	16
4931-00-628-1146	1	1	5310-00-812-4292	21	31
4931-00-628-1305	26	20	5310-00-812-4292	22	8
4931-00-628-1316	28	8	5310-00-928-2690	21	24
4931-00-628-1321	28	11	5305-00-928-9455	21	21
4931-00-628-1325	1	4	5310-00-929-6395	21	36
4931-00-628-1332	1	3	5310-00-929-6395	26	2
4931-00-628-1334	25	4	5310-00-933-8118	19	4
4931-00-628-1336	16	14	5310-00-933-8118	21	16
4931-00-628-1340	2	12	5310-00-933-8118	22	2
4931-00-628-1341	2	17	5310-00-933-8118	26	17
4931-00-628-1342	2	16	5310-00-933-8118	28	10
4931-00-628-1343	2	18	5310-00-933-8120	21	4
4931-00-628-1421	1	2	5310-00-933-8120	22	9
4931-00-628-1519	2	11	5310-00-933-8120	28	5
4931-00-628-1520	2	14	5310-00-989-0640	22	10
4931-00-628-1541	2	3	5330-00-139-0201	21	11
4931-00-628-1542	2	10	5330-00-250-0227	20	19
4931-00-628-1544	2	9	5330-00-451-6500	20	5
4931-00-628-1580	2	19	5330-00-451-3370	20	27
4931-00-628-1671	2	20	5330-00-542-1365	21	6
4931-00-628-1750	25	2	5330-00-902-8340	26	24
4931-00-626-1808	2	23	5340-00-815-4929	20	12
4931-00-628-1820	2	2	5340-00-815-4930	21	27
4931-00-628-1822	21	34	5340-00-904-1665	28	1
4931-00-628-1831	21	33	5355-00-702-0161	21	39
4931-00-628-1987	25	1	5365-00-144-6691	20	3
4931-00-628-2011	20	10	5365-00-482-9462	20	21
4931-00-628-2018	26	25	5365-00-580-3867	21	29
5120-00-138-5900	16	20	5905-00-104-8368	22	6
5120-00-628-1454	16	19	5905-00-106-1357	22	28
5120-00-628-1457	16	17	5905-00-106-3666	23	12
5120-00-628-1759	16	18	5905-00-107-0656	22	21
5120-00-628-1762	16	16	5905-00-107-0656	22	22
5120-00-628-1781	16	15	5905-00-107-0656	23	9

NATIONAL STOCK NUMBER INDEX					
STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5905-00-110-0196	22	16	5935-00-925-1787	19	9
5905-00-110-7620	22	12	5940-00-113-9828	21	26
5905-00-114-0711	22	27	5940-00-143-4780	26	14
5905-00-114-5407	23	10	5940-00-557-1629	21	20
5905-00-121-9919	23	2	5940-00-636-5429	21	37
5905-00-136-3890	23	6	5940-00-813-0698	21	2
5905-00-150-5032	22	36	5950-00-043-0423	23	21
5905-00-186-2212	22	32	5961-00-011-3637	23	4
5905-00-404-9172	22	31	5961-00-146-4486	22	14
5905-00-431-5160	22	29	5961-00-257-1064	23	5
5905-00-432-0126	23	7	5961-00-456-4711	22	17
5905-00-471-2422	22	26	5961-00-466-3456	23	20
5905-00-629-9665	22	23	5961-00-483-4237	22	5
5905-00-721-3678	22	34	5961-00-702-3435	22	33
5905-00-852-5174	22	35	5961-00-814-0768	23	22
5910-00-022-5659	22	13	5961-00-821-2309	22	18
5910-00-022-5659	23	8	5961-00-949-1440	22	7
5910-00-110-7322	23	19	5962-00-118-7090	22	25
5910-00-158-5369	23	1	5962-00-452-0978	22	20
5910-00-201-1074	22	24	5962-00-454-2052	23	3
5910-00-431-7781	23	11	5962-00-531-7738	23	17
5910-00-484-2977	22	19	5970-00-470-9525	17	1
5910-00-688-5175	23	18	5970-00-470-9525	18	1
5910-00-802-7432	22	15	5975-00-701-5264	28	6
5930-00-020-9335	21	1	5999-00-034-1098	19	8
5930-00-134-5261	21	3	5999-00-118-7182	19	7
5930-00-862-1084	21	10	6240-00-267-6756	21	22
5935-00-256-8779	21	42	6625-00-257-1105	21	12
5935-00-699-9361	21	38	9905-00-009-8671	20	28
5935-00-722-4350	19	1	9905-00-628-1908	20	26
5935-00-925-1786	19	6			

Part No.	FSCM	Figure No.	Item No.	Part No.	FSCM	Figure No.	Item No.
AN565A440H2	88044	25	6	MS25036-108	96906	26	14
AN960C10	88044	20	9	MS25036-148	96906	21	26
AN960C3	88044	5	7	MS25036-150	96906	3	7
AN906C3	88044	6	7	MS2508254	96906	3	6
AN960C3	88044	7	7	MS25281F2	96906	3	18
AN960C4	88044	5	3	MS28795-009	96906	21	6
AN960C4	88044	6	3	MS29513-021	96906	20	19
AN960C4	88044	7	3	MS29513-046	96906	20	27
AN960C4	88044	10	1	MS31122E12-10PN	96906	3	1
AN960C4	88044	13	10	MS3114H14C19PW	96906	21	42
AN960C416	88044	28	17	MS3126F12-10SN	96906	15	3
AN960C6	88044	3	17	MS3126F14-19SW	96906	11	1
AN960C6	88044	24	11	MS3126F16-26PW	96906	11	10
AN960C6	88044	26	3	MS3126F16-26SY	96906	11	7
AN960C8	88044	24	5	MS3126F20-41P	96906	11	4
AN960C8	88044	26	8	MS3126F20-41PN	96906	15	1
CMR06F11ZG0DM	81349	22	24	MS3126F22-55PN	96906	11	10
JANIN3600	81349	22	33	MS3126F22-55S	96906	14	1
JANIN3064	81349	23	22	MS3126F22-55SW	96906	11	7
JANIN5552	81349	22	14	MS3181-14C	96906	21	38
JANIN751A	81349	22	18	MS35338-120	96906	3	8
JANIN754A	81349	23	16	MS35338-134	96906	5	8
JANIN939B	81349	22	35	MS35338-134	96906	6	8
JAN2N2222A	81349	23	15	MS35338-134	96906	7	8
JAN2N2905A	81349	22	7	MS35338-134	96906	21	24
JAN2N3499	81349	22	17	MS35338-135	96906	3	22
LT4K097	81349	23	21	MS35338-135	96906	5	4
M23269-02-3049	81349	23	1	MS35338-135	96906	6	4
M24308-1-3	81349	5	1	MS35338-135	96906	7	4
M24308-1-3	81349	6	1	MS35338-135	96906	11	9
M24308-1-3	81349	7	1	MS35338-135	96906	12	4
M24308-1-5	81349	13	3	MS35338-135	96906	13	6
M24308-3-5	81349	13	1	MS35338-135	96906	15	8
M39014-02-0225	81349	23	19	MS35338-135	96906	19	4
M39024-02-230	81349	22	13	MS35338-135	96906	21	16
M39014-02-0230	81349	23	8	MS35338-135	96906	22	2
M8805-99-027	81349	3	14	MS35338-135	96906	26	17
MS122118	96906	26	5	MS35338-135	96906	27	3
MS124695	96906	2	28	MS35338-135	96906	28	10
MS15795-804	96906	26	16	MS35338-136	96906	3	20
MS15795-910	96906	3	5	MS35338-136	96906	11	3
MS16535-77	96906	23	27	MS35338-136	96906	11	9
MS16555-660	96906	28	7	MS35338-136	96906	21	36
MS16633-4012	96906	24	12	MS35338-136	96906	26	2
MS16633-4037	96906	4	4	MS35338-137	96906	11	6
MS17122-6	96906	22	39	MS35338-137	96906	11	9
MS17122-6	96906	23	26	MS35338-137	96906	14	6
MS17822-1-9A	96906	27	9	MS35338-137	96906	15	9
MS17984-C413	96906	28	1	MS35338-138	96906	3	10
MS17990C416	96906	10	4	MS35338-138	96906	21	4
MS21044C06	96906	3	16	MS35338-138	96906	22	9
MS21045204	96906	13	a	MS36339-138	96906	28	5
MS21208C0815	96906	24	9	MS51021-11	96906	25	8
MS21209C0415	96906	26	13	MS51830-108	96906	28	15
MS21209C0615	96906	21	27	MS51830-202	96906	28	14
MS21209C0815	96906	20	12	MS51957-12	96906	21	17
MS21209C0815	96906	26	7	MS51957-12	96906	21	18
MS21209F1-15	96906	26	12	MS51957-13	80205	13	4
MS24585C56	96096	24	10	MS51957-14	96906	3	2
MS24659-27N	96906	21	1	MS51957-14	96906	26	18
MS24659-27N	96906	21	3	MS51957-15	96906	5	2
MS24671-7	96906	21	20	MS51957-15	96906	6	2
MS24671-7	96906	21	21	MS51957-15	96906	7	2
MS24693-C28	96906	3	13	MS51957-15	96906	15	6
MS25036-101	96906	21	2	MS51957-17	96906	17	3
MS25036-108	96906	14	3	MS51957-17	96906	8	4

Part No.	FSCM	Figure No.	Item No.	Part No.	FSCM	Figure No.	Item No.
MS51957-17	96906	10	2	NAS671C4	80205	5	5
MS51957-17	96906	11	8	NAS671C4	80205	6	5
MS51957-17	96906	12	3	NAS671C4	80205	7	5
MS51957-17	96906	13	9	NAS671C4	80205	13	7
MS51957-17	96906	18	3	NAS671C6	80205	3	19
MS51957-26	96906	21	35	RCR07G100JS	82349	22	22
MS51957-26	96906	26	1	RCR07G100JS	81349	23	9
MS51957-30	96906	11	2	RCR07G1002S	81349	22	12
MS51957-30	96906	11	8	RCR07G103JS	81349	23	12
MS51957-30B	96906	3	3	RCR07G106JS	81349	23	2
MS51957-42	96906	24	4	RCR07G202JS	81349	23	13
MS51967-46	96906	24	3	RCR07G203JS	81349	23	14
MS51957-5	96906	5	6	RCR07G470JS	81349	22	6
MS51957-5	96906	6	6	RCR07G472JS	81349	22	27
MS51957-5	96906	7	6	RCR07G513JS	81349	23	6
MS9068-159	96906	26	24	RCR07G563JS	81349	22	28
MS91528-OP1B	96906	24	6	RCR20G102JS	81349	22	16
MS91528-2E4B	96906	21	39	RCR20G271JS	81349	23	10
NAS1053-5-17	19200	2	4	RJ12CY502	81349	22	36
NAS1201C6B10A	80205	28	2	RJ12CY503	81349	23	7
NAS1291C04M	80205	8	6	RNC55A1101FS	81349	22	26
NAS1291C04M	80205	9	5	RNC55H2491FS	81349	22	34
NAS1291C04M	80265	10	5	RNC55H5111JS	81349	22	21
NAS1291C04M	80205	17	5	RNC55HS060FS	81349	22	29
NAS1291C04M	80205	1S	5	RNC60H2153FS	81349	22	32
NAS1291C08M	80205	24	16	RNC60G2612FS	81349	22	23
NAS1351C4-20	80205	28	16	RNC60H4872FS	81349	22	31
NAS1352C04-6	80206	28	3	RNR60H6492FM	81349	22	30
NAS1352C08-8	80206	20	25	RNR65H1503FM	81349	23	23
NAS1352C3-6	80205	28	4	10553963	19200	20	20
NAS51352-08-	80205	26	9	10554508	19200	25	3
NAS1515M06L	80205	24	13	10548102	19200	22	11
NAS1515M08L	80205	24	14	10548103	19200	22	20
NASN1515M61H	80205	4	2	10559359	19200	23	28
NAS16135-02-3	80205	21	23	10559417-7	19200	8	1
NAS1635-04-4	80205	19	2	10559418	19200	8	3
NAS1635-04-6	80205	27	2	10559419	19200	8	2
NAS1635-04-8	80205	9	3	10559437-1	19200	20	4
NAS1635-08-10	80205	11	5	10559438	19200	20	3
NAS1635-08-10	80205	14	5	10559509-1	19200	17	6
NAS1635-08-10	80205	15	7	10559509-3	19200	9	6
NAS1635-08-12	80205	11	8	10559508	19200	16	4
NAS1635-3-10	80205	3	9	10559509-4	19200	17	7
NAS43DD-05	80205	26	15	10559509-6	19200	17	8
NAS43DD3-30	80205	21	29	10559515	19200	2	13
NAS620C10	80205	22	10	10559516	19200	16	3
NAS620C10L	80205	3	11	10559517	19200	16	2
NAS620C10L	80205	21	30	10559518	19200	16	1
NAS620C4	80205	3	23	10559521	19200	20	26
NAS620C4	80205	8	5	10659554	19200	9	2
NAS620C4	80205	9	4	10559554	19200	17	2
NAS620C4	80205	13	5	10559554-1	19200	18	2
NAS620C4	80205	17	4	10559558	19200	22	4
NAS620C4	80205	18	4	10559600	19200	16	6
NAS620C4	80205	19	3	10559630-2	19200	20	17
NAS620C4	80205	22	3	10559630-3	19200	20	22
NAS620C4	80205	27	4	10559630-3	19200	20	23A
NAS620C4L	80205	21	15	10559630-4	19200	20	23B
NAS671C10	80205	21	31	10559630-5	19200	20	16
NAS671C10	80205	22	8	10559631	19200	20	15
NAS671C2	80205	5	9	10559632	19200	20	18
NAS671C2	80205	6	9	10559640	19200	20	6
NAS671C2	80205	7	9	10559645	19200	21	12
NAS671C4	80205	3	21	10559602	19200	18	6
NAS671C4	80205	19	5	10559639	19200	20	21
NAS671C4	19200	22	1	10559640-1	19200	20	8

Part No.	FSCM	Figure No.	Item No.	Part No.	FSCM	Figure No.	Item No.
10559644	19200	20	14	11737992	19200	25	9
10559645-1	19200	21	13	11733851	19200	1	5
10559646	19200	21	14	11738006	19200	12	1
10559648	19200	21	22	11738007	19200	10	3
10559658	19200	1	2	11738019	19200	14	2
10559664	19200	16	5	11738032	19200	12	2
11737364-9	19200	21	9	11738033	19200	11	10
11737364-10	19200	21	7	11738034	19200	11	7
11737364-11	19200	21	8	11738035	19200	14	4
11737451	19200	2	7	11738042	19200	13	2
11737471	19200	2	14	11738081	19200	22	25
11737480-5	19200	16	7	11738811	19200	1	9
11737480-5	19200	16	9	11738821	19200	1	6
11737480-10	19200	16	11	11738823	19200	25	5
11737480-12	19200	16	13	11738831	19200	1	7
11737480-14	19200	16	8	11738841	19200	1	8
11737480-16	19200	16	10	11738862	19200	1	4
11737480-18	19200	16	12	11738863	19200	1	3
11737513	19200	15	4	11738914	19200	19	6
11737540-1	19200	21	40	11738915	19200	19	9
11737810	19200	2	8	11738920	19200	19	8
11737812-1	19200	16	19	11738920	19200	27	5
11737812-2	19200	16	18	11738921	19200	19	7
11737812-3	19200	16	17	11738933	19200	23	3
11737812-4	19200	16	16	11738949	19200	23	20
11737812-5	19200	16	15	11738951	19200	19	1
11737812-6	19200	16	20	11738954	19200	22	5
11737814	19200	7	25	11738956	19200	23	17
11737814-1	19200	2	27	11738976	19200	9	1
11737815	19200	2	16	11738976	19200	17	1
11737816	19200	2	17	11738976	19200	18	1
11737817	19200	2	18	11738981	19200	20	5
11737818	19200	2	19	11739007	19200	22	38
11737819	19200	2	20	11739007	19200	23	25
11737820	19200	2	21	11739017	19200	22	19
11737822	19200	2	12	11739018	19200	23	18
11737823	19200	2	9	11739024	19200	22	15
11737824	19200	2	2	11739027	19200	20	2
11737827	19200	5	11	11739030	19200	23	11
11737832	19200	3	15	11739037	19200	23	5
11737835	19200	2	31	11739049	19200	20	7
11737837	19200	2	29	11739061	19200	21	37
11737838	19200	16	14	11739099	19200	23	4
11737839	19200	24	1	11741514	19200	5	10
11737840	19200	8	7	11741514	19200	6	10
11737843	19200	24	16	11741514	19200	7	10
11737844	19200	24	7	11741550	19200	20	28
11737844-1	19200	24	8	11741561	19200	2	26
11737845	19200	2	10	11741585	19200	24	2
11737846	19200	6	11	11741597	19200	25	2
11737846	19200	24	17	11741598	19200	25	4
11737850	19200	26	10	11741599	19200	25	1
11737850-1	19200	26	11	11741602	19200	4	5
11737851	19200	2	11	11741603	19200	4	1
11737852	19200	7	11	11741604	19200	4	7
11737855	19200	26	19	11741605	19200	4	6
11737856	19200	26	4	11741606	19200	2	3
11737856-1	19200	26	6	11741607	19200	4	3
11737857	19200	26	25	11741608	19200	10	6
11737864	19200	1	1	11745318	19200	20	10
11737869	19200	26	21	11745319	19200	21	32
11737906	19200	26	22	11743598	19200	21	11
11737907	19200	26	20	11743599	19200	21	19
11737942	19200	2	1	11743600	19200	2	10
11737945	19200	2	15	11745301	19200	20	11
11737981	19200	25	12	11745301-1	19200	20	13

Part No.	FSCM	Figure No.	Item No.	Part No.	FSCM	Figure No.	Item No.
11745302	19200	20	24	11745619-1	19200	2	5
11745304	19200	21	41	11745619-2	19200	2	6
11745305	19200	21	25	11745625	19200	28	18
11745306	19200	21	28	11745626	19200	28	13
11745307	19200	21	34	11745627	19200	28	19
11745309	19200	23	24	11745630	19200	28	9
11745312	19200	21	33	11745630	19200	28	9
11745314	19200	22	37	11745631	19200	28	12
11745317	19200	20	1	11745633	19200	28	11
11745320	19200	21	5	11745634	19200	28	8
11745321	19200	3	4	11745636	19200	28	6
11745327	19200	2	23	11745639	19200	15	2
11745328	19200	3	12	11745640-1	19200	25	11
11745550-1	19200	27	7	11745640-2	19200	16	22
11745551	19200	27	8	11745640-3	19200	2	30
11745550-2	19200	15	5	11745641	19200	25	10
11745553	19200	25	7	11745642	19200	16	21
11745616	19200	27	1	11745643	19200	16	23
11745617	19200	27	6	11745662	19200	26	23

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By Order of the Secretary of the Army:

Official:

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The Adjutant General*

FRED C. WEYAND
*General, United States Army
Chief of Staff*

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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 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 = 10 milliters = .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

To change	To	Multiply by	To change	To	Multiply by
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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