TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LISTS
FOR

MAINTENANCE KIT,
ELECTRONIC EQUIPMENT MK-722/URC
(NSN 6625-00-082-4275)

HEADQUARTERS, DEPARTMENT OF THE ARMY
AUGUST 1978

TECHNICAL MANUAL

No 11-6625-623-20P

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HEADQUARTERS
DEPARTMENT OF THE ARMY
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Current as of* 15 *February 1978

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SECTION I
INTRODUCTION

1. Scope

This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational maintenance of the MK-722/URC. It authorizes the requisitioning and issue of spares ad repair parts as indicated by the source and maintenance codes.

2. General

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

a. Section II. Repair Parts List. A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in numeric sequence, with the parts in each group listed in figure and item number sequence.

b. Section III. Special Tools List. Not applicable.

c. Section IV. National Stock Number and Part Number Index. A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list, in alphanumeric sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of columns

a. Illustration. This column is divided as follows:

(1) *Figure number.* Indicates the figure number of the illustration on which the item is shown.

(2) *Item number.* The number used to identify item called out in the illustration.

b. Source, Maintenance, and Recoverability (SMR) codes.

(1) *Source code.* Source codes indicated the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

Code	*Definition*
PA	— Item procured and stocked for anticipated or known usage.
XD	— A support item that is not stocked. When required, item will be procured through normal supply channels,

NOTE

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

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

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

Code	*Application/Explanation*
O	— Support item is removed, replaced, used at the organizational level.

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

Code	*Application/Explanation*
H —	The lowest maintenance level capable of complete repair of the support item is the general support level.

Code	*Application/Explanation*
Z —	Nonreparable. No repair is authorized.

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

Z — Nonreparable item. When unserviceable, condemn and dispose at the level indicted in position 3.

H — Reparable item. When uneconomically reparable, condemn and dispose at the general support level.

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

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

NOTE

When a stock numbered item is requisitioned, the repair part received may have a different part number than the part being replaced.

e. Federal Supply Code for Manufacturer (FSCM). The FSCM is a 5-digit numeric code listed in SB 708-42 which is used to identify the manufacturer, distributor, or Government agency, etc.

f. Description. Indicates the Federal item name and, if required, a minimum description to identify the item.

g. Unit of Measure (U/M). Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc). when the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

h. Quantity Incorporated in Unit. Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly.

4. Special Information

a. The following publication pertains to the MK-722/URC and its components:

TM 11-6625-623-12, Maintenance Kit, Electronic Equipment MK-722/URC
TM 11-6625-612-40P, Maintenance Kit, Electronic Equipment MK-722/URC
TM 11-6625-623-45, Maintenance Kit, Electronic Equipment MK-722/URC

b. The illustrations in this manual are identical to those published in TM 11-6625-623-40P. Only those parts assigned the third position SMR maintenance code "C" or "O" are listed in the tabular listing; therefore, there may be a break in the item number sequence. Only illustrations containing organizational authorized items appear in this manual.

5. How to Locate Repair Parts

a. When National stock number or part number is unknown.

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

(2) *Second.* Find the illustration covering the functional group to which the item belongs.

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

(4) *Fourth.* Using the Repair Parts Listing, find the figure and item number noted on the illustration.

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

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

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

6. Abbreviations:

Not applicable.

(Next printed page is 4.1)

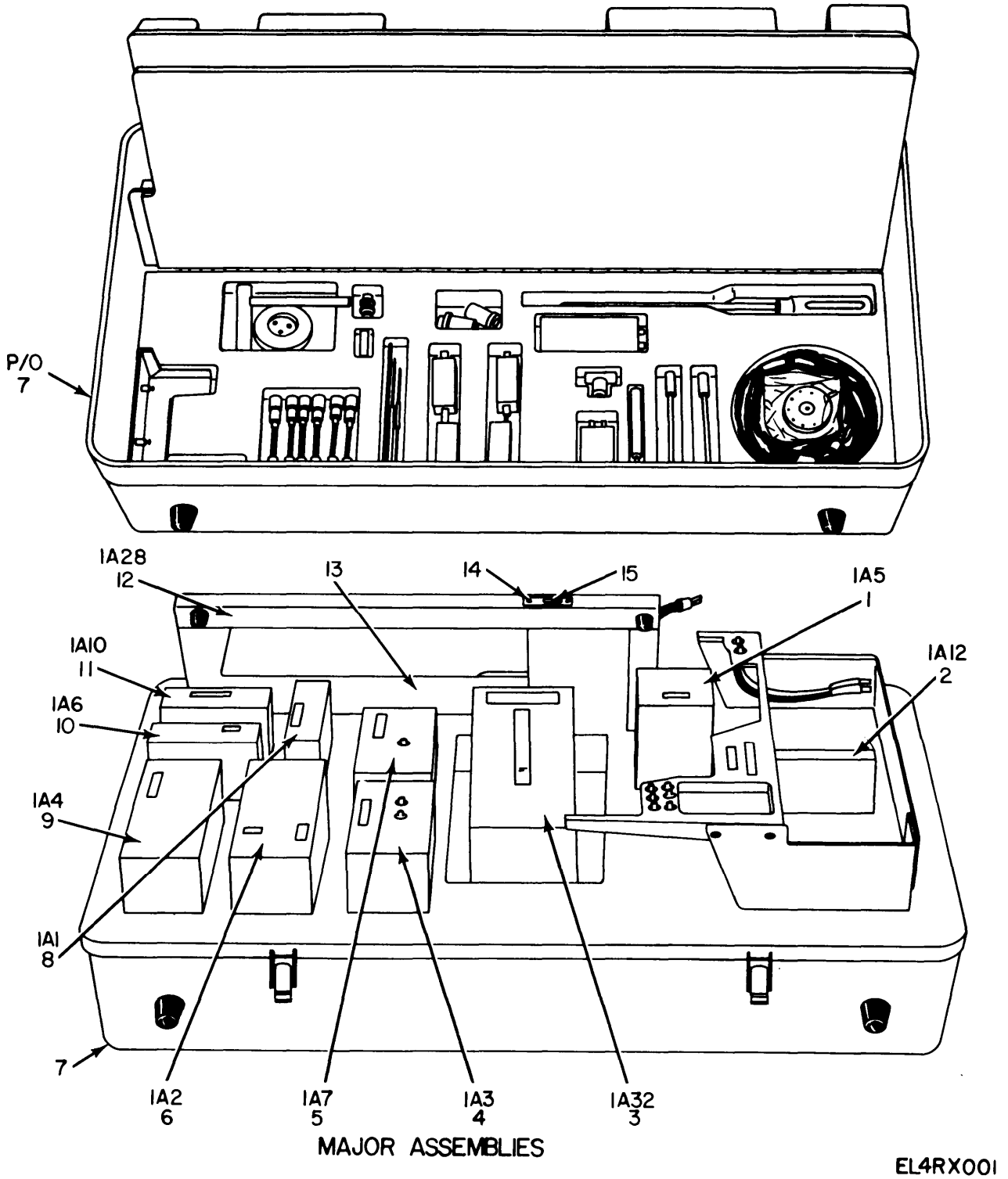

Figure 1. Maintenance Kit, Electronic Equipment MK-722-URC (1) (Sheet 1 of 2).

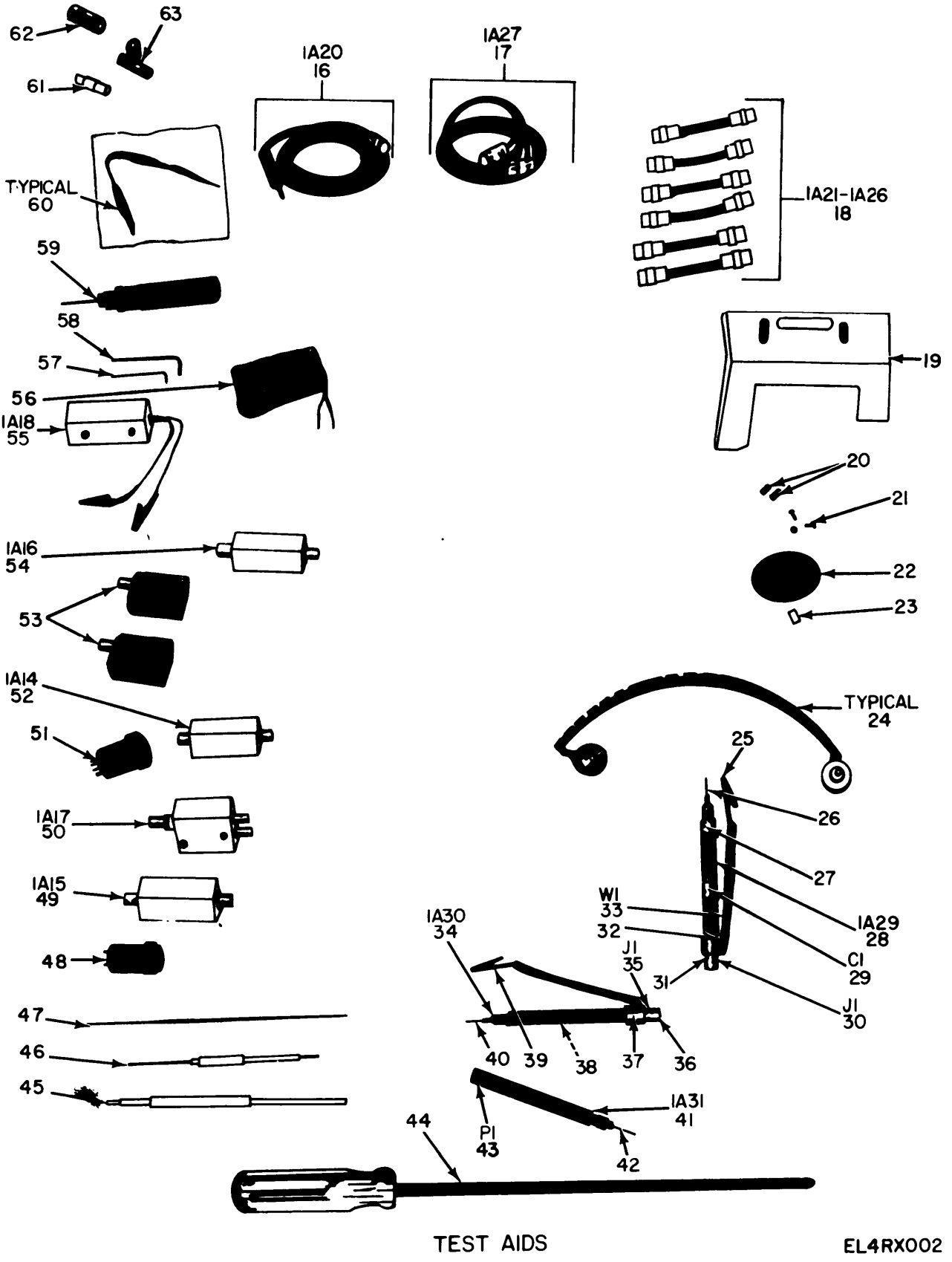

Figure 1. Maintenance Kit, Electronic Equipment MK-722/URC (1) (Sheet 2 of 2).

(1) ILLUSTRATION (A) FIG NO	(B) ITEM NO	(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
						GROUP 00 MAINTENANCE KIT,ELECTRONIC			
						EQUIPMENT MK-722/URC (1)			
1	1	PAOHH	6625-00-019-6306	MX4894URC	80058	ADAPTER,TEST		EA	1
1	2	PAOHH	6625-00-019-6301	MX4887URC	80058	ADAPTER,TEST		EA	1
1	3	PAOHH	6625-00-965-0188	TS1956URC	80058	TEST SET,RADIO		EA	1
1	4	PAOHH	6625-00-083-7311	MX4892URC	80058	TEST SET,ELECTRON		EA	1
1	5	PAOHH	6625-00-019-6310	MX4891URC	80058	ADAPTER,TEST		EA	1
1	6	PAOHH	6625-00-019-6311	MX4888URC	80058	ADAPTER,TEST		EA	1
1	8	PAOHH	6625-00-019-6304	MX4890URC	80058	PLUG IN UNIT,ELE		EA	1
1	9	PAOHH	6625-00-019-6309	MX4895URC	80058	ADAPTER,TEST		EA	1
1	10	PAOHH	6625-00-019-6305	MX4893URC	80058	ADAPTER,TEST		EA	1
1	11	PAOHH	6625-00-019-6303	MX4889URC	80058	ADAPTER,TEST		EA	1
1	12	PAOHH	6625-00-019-6318	MT3039URC	80058	MAINTENANCE FXTR,RF		EA	1
1	16	PAOHH	5995-00-985-8169	CG3126U	80058	CABLE ASSEMBLY,RF		EA	1
1	17	PAOHH	6625-00-964-2630	CG2727U5FT0IN	80058	CABLE ASSEMBLY,RF		EA	1
1	18	PAOHH	5995-00-985-7885	CG409GU4IN	80058	CABLE ASSEMBLY,RF		EA	6
1	19	XDOZZ		548-8014-003	13499	FRAME,AUTOPSNR		EA	1
1	22	PAOZZ	5355-00-081-3957	548-3530-002	13499	DIAL,SCALE		EA	1
1	23	PAOZZ	5355-00-062-0949	549-0974-002	13499	POINTER,DIAL		EA	1
1	24	PAOZZ	5821-00-019-6290	546-6463-002	13499	EXTRACTOR,MODULE		EA	2
1	26	XDOZZ		548-3487-002	13499	PROD,TEST-MODIFIED		EA	1
1	27	PAOZZ	5940-00-502-4760	2540-20-03	78189	TERMINAL,LUG		EA	1
1	28	PAOHH	6625-00-019-6312	548-3486-002	13499	PROD,TEST,NO. 1		EA	1
1	31	XDOZZ		548-3485-002	13499	ADAPTER,CONNECTOR		EA	1
1	32	PAOZZ	5310-00-209-1522	1220-02CADPL	78189	WASHER,LOCK		EA	1
1	34	PAOHH	6625-00-061-3649	548-3484-002	13499	PROD,TEST,NO. 2		EA	1
1	36	XDOZZ		548-3485-002	13499	ADAPTER,CONNECTOR		EA	1
1	37	PAOZZ	5310-00-209-1322	1220-02CADPL	78189	WASHER,LOCK		EA	1
1	38	PAOZZ	5940-00-502-4760	2540-20-03	78189	TERMINAL,LUG		EA	1
1	41	PAOHH	6625-00-061-3648	548-3499-002	13499	PROD,TEST,NO. 3		EA	1
1	43	XDOZZ		553-2546-002	13499	PROD,TEST MODIFIED		EA	1
1	44	PAOZZ	5120-00-965-0287	130291NSHK	03705	SCREWDRIVER		EA	1
1	45	PAOZZ	5120-00-288-7781	6166	11242	ALIGNMENT TOOL		EA	1
1	46	PAOZZ	5120-00-288-7786	8606	72653	ALIGNMENT TOOL		EA	1
1	47	PAOZZ	5120-00-060-6423	547-2796-002	13499	ALIGNMENT TOOL		EA	1
1	48	PAOHH	6625-00-069-2690	TVS7	05276	SOCKET,ELECTRON		EA	1
1	49	PAOHH	6625-00-019-6313	TS1955URC	80058	VOLTAGE DIVIDER		EA	1
1	50	PAOHH	5821-00-019-6315	DA340URC	80058	DUMMY LOAD,ELEC		EA	1
1	51	PAOHH	6625-00-891-5128	TVS9	05276	SOCKET,ELECTRON		EA	1
1	52	PAOHH	5821-00-019-6317	CN1066URC	80058	ATTENUATOR,FIXED		EA	1

(1) ILLUSTRATION (A) FIG NO	(B) ITEM NO	(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
1	53	PAOZZ	5935-00-910-9194	1645	05276	ADAPTER,CONNECTOR		EA	1
1	54	PAOHH	6625-00-019-6314	TS1954URC	80058	DIVIDER ASSEMBLY		EA	1
1	55	PAOHH	6625-00-019-6316	DT278URC	88058	DETECTOR,RF		EA	1
1	56	PAOZZ	8105-00-063-5060	104N4X6IN	06214	BAG,TEXTILE		EA	1
1	57	XDOZZ		S060CADPL	08664	KEY,SOCKET,HD SCREW		EA	1
1	58	PAOZZ	5120-00-223-6995	S096CADPL	08664	KEY,SOCKET HD SCREW		EA	1
1	59	PAOZZ	5120-00-288-8853	DS096	08664	KEY,SOCKET HD SCREW		EA	1
1	61	PAOZZ	5935-00-280-1454	UG914U	80058	ADAPTER,CONNECTOR		EA	1
1	62	PAOZZ	5935-00-681-5013	UG491BU	80058	ADAPTER,CONNECTOR		EA	1
1	63	PAOZZ	5935-00-683-7892	UG274BU	80058	ADAPTER,CONNECTOR		EA	1

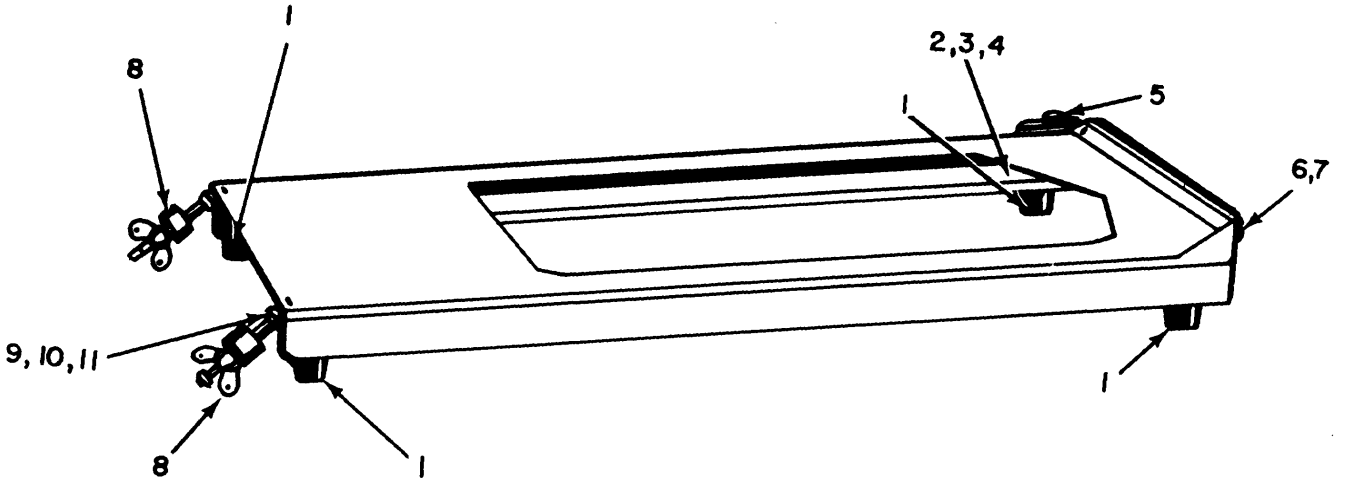

Figure 2. Maintenance Fixture MT-3039/URC (1A28). EL4RX019

(1) ILLUSTRATION FIG NO	(B) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION	(7) USABLE ON CODE	(8) QTY INC IN UNIT U/M
						GROUP 18 MAINTENANCE FIXTURE MT-3039/URC (1A28)		
2	1	PAOZZ	5340-00-264-7182	747R	75543	BUMPER,RUBBER		EA 4

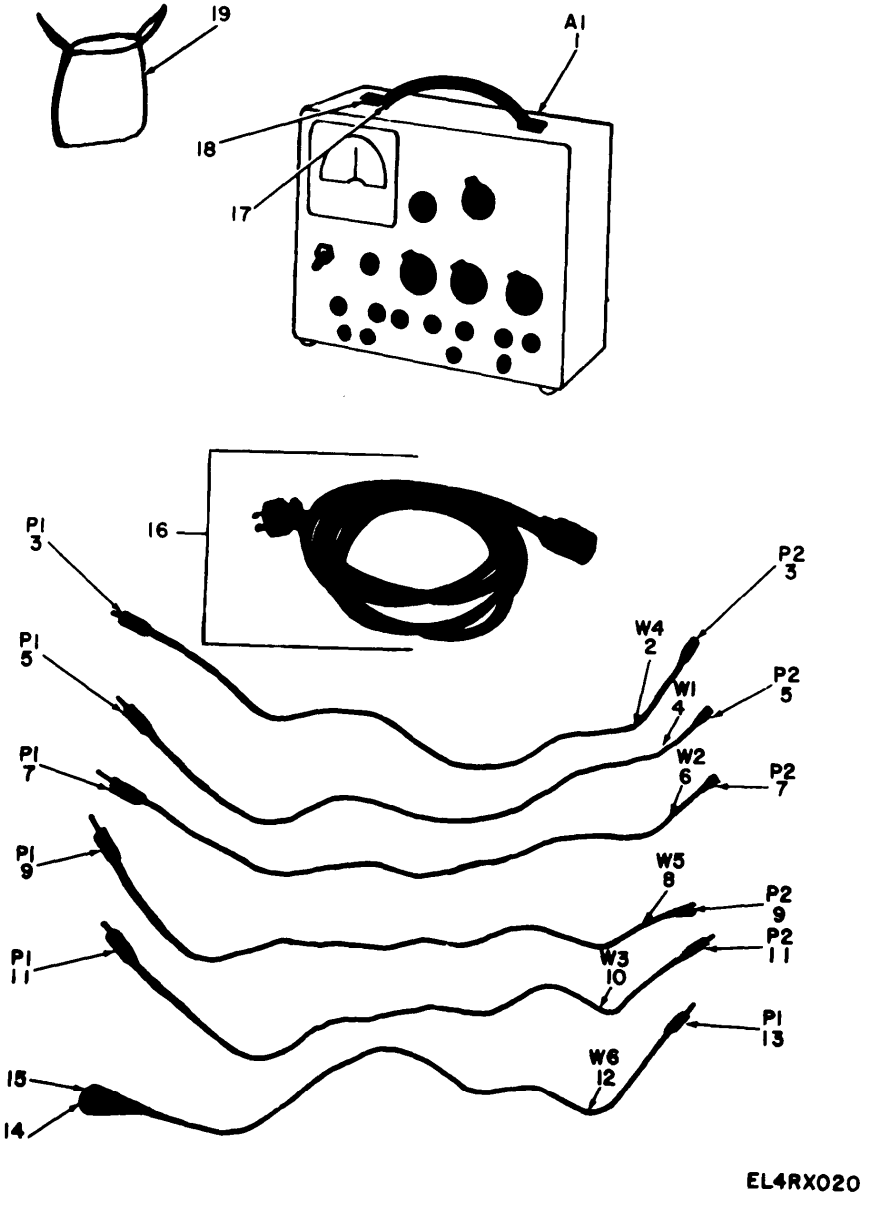

Figure 3. Test Set, Radio TS-1956/URC (1A32).

(1) ILLUSTRATION (A) FIG NO	(B) ITEM NO	(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
						GROUP 19 TEST SET,RADIO TS-1956/URC (1A32)			
3	1	PAOHH	6625-00-893-6606	548-8001-005	13499	TEST SET,RADIO		EA	1
3	2	PAOZZ	6625-00-965-0184	CX9014URC	80058	LEAD,TEST		EA	1
3	4	PAOZZ	6625-00-965-0181	CX9011URC	80058	LEAD TEST		EA	1
3	6	PAOZZ	6625-00-965-0182	CX9012URC	80058	LEAD,TEST		EA	1
3	8	PAOZZ	6625-00-965-0187	CX9015URC	80058	LEAD,TEST		EA	1
3	10	PAOZZ	6625-00-965-0183	CX9013URC	80058	LEAD,TEST		EA	1
3	12	PAOZZ	6625-00-965-0186	CX9010URC	80058	LEAD,TEST		EA	1
3	16	PAOHH	5995-00-985-8173	CX9009URC	80058	CABLE ASSEMBLY		EA	1
3	19	XDOZZ		024-0252-000	13499	BAG,CLOTH		EA	1

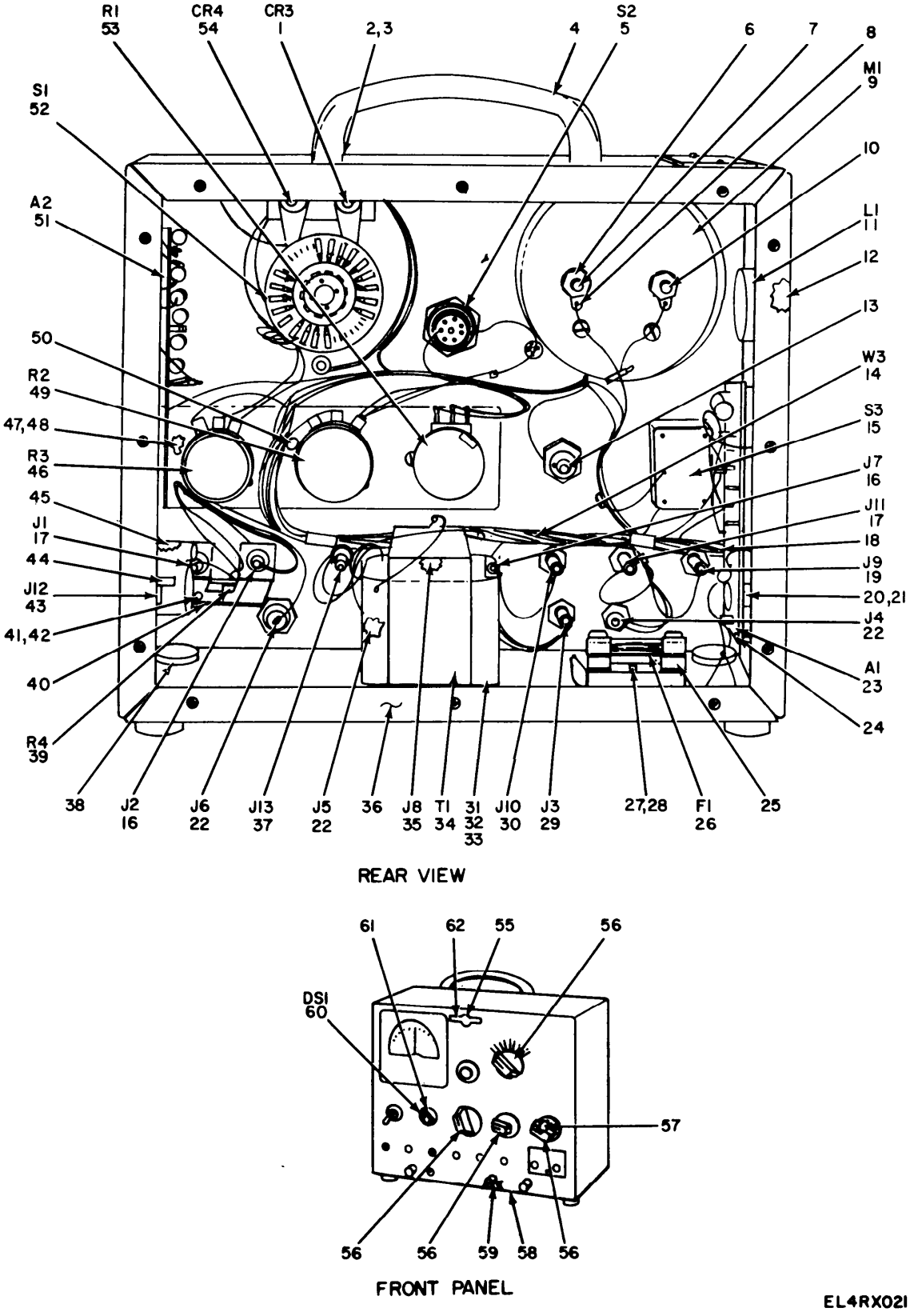

Figure 4. Test Set, Function (1A32A1).

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)		(7)	(8)
(A) FIG NO	(B) ITEM NO	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 1901 TEST SET,FUNCTION (1A32A1)			
4	6	PAOZZ	5310-00-184-8977	MS35338-98	96906	WASHER,LOCK		EA	6
4	7	XDOZZ		310-0082-00	79807	WASHER,LOCK		EA	2
4	8	PAOZZ	5940-00-665-5592	4012HOTTINNED	77147	TERMINAL,LUG		EA	3
4	13	PAOZZ	6240-00-723-3378	NE2J	08805	LAMP,GLOW		EA	1
4	26	PAOZZ	5920-00-280-5031	F02A250V1-4AS	81349	FUSE,CARTRIDGE		EA	1
4	56	PAOZZ	5355-00-778-4967	544-0779-004	13499	KNOB		EA	4
4	60	PAOZZ	6210-00-805-3937	137-7336-9	72619	LIGHT,INDICATOR		EA	1
4	61	PAOZZ	6210-00-978-8463	137-931	72619	LENS,INDICATOR		EA	1

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

NOTE: LATEST NATIONAL STOCK NUMBER AND PART NUMBER ASSIGNMENTS ARE INCLUDED AT END OF INDEX

STOCK NUMBER	FIG NO	ITEM NO	STOCK NUMBER	FIG NO	ITEM NO
5821-00-019-6290	1	24	5920-00-280-5031	4	26
6625-00-019-6301	1	2	5120-00-288-7781	1	45
6625-00-019-6303	1	11	5120-00-288-7786	1	46
6625-00-019-6304	1	8	5940-00-502-4760	1	27
6625-00-019-6305	1	10	5940-00-502-4760	1	38
6625-00-019-6306	1	1	5940-00-665-5592	4	8
6625-00-019-6309	1	9	5935-00-681-5013	1	62
6625-00-019-6310	1	5	5935-00-683-7892	1	63
6625-00-019-6311	1	6	6240-00-723-3378	4	13
6625-00-019-6312	1	28	5355-00-778-4967	4	56
6625-00-019-6313	1	49	6120-00-805-3436	4	60
6625-00-019-6314	1	54	6625-00-891-5128	1	51
5821-00-019-6315	1	50	6625-00-893-6606	3	1
6625-00-019-6316	1	55	5935-00-910-9194	1	53
5821-00-019-6317	1	52	6625-00-964-2630	1	17
6625-00-019-6318	1	12	6625-00-965-0181	3	4
5120-00-060-6423	1	47	6625-00-965-0182	3	6
6625-00-061-3648	1	41	6625-00-965-0183	3	10
6625-00-061-3649	1	34	6625-00-965-0184	3	2
5355-00-062-0949	1	23	6625-00-965-0186	3	12
8105-00-063-5060	1	56	6625-00-965-0187	3	8
6625-00-069-2690	1	48	6625-00-965-0188	1	3
5355-00-081-3957	1	22	5120-00-965-0287	1	44
6625-00-083-7311	1	4	6210-00-978-8463	4	61
5310-00-209-1322	1	37	5995-00-985-7885	1	18
5120-00-223-6995	1	58	5995-00-985-8169	1	16
5340-00-264-7182	2	1	5995-00-985-8173	3	16
5935-00-280-1454	1	61			

PART NUMBER	FSCM	FIG NO	ITEM NO	PART NUMBER	FSCM	FIG NO	ITEM NO
CG2727U5FT0IN	80058	1	17	UG274BU	80058	1	63
CG3126U	80058	1	16	UG491BU	80058	1	62
CG409GU4IN	80058	1	18	UG914U	80058	1	61
CN1066URC	80058	1	52	024-0252-000	13499	3	19
CX9009URC	80058	3	16	104N4X6IN	06214	1	56
CX9010URC	80058	3	12	1220-02CADPL	78189	1	32
CX9011URC	80058	3	4	1220-02CADPL	78189	1	37
CX9012URC	80058	3	6	130291NSHK	03705	1	44
CX9013URC	80058	3	10	137-7336-9	72619	4	60
CX9014URC	80058	3	2	137-931	72619	3	61
CX9015URC	80058	3	8	1645	05276	1	53
DA340URC	80058	1	50	2540-20-03	78189	1	27
DS096	08664	1	59	2540-20-03	78189	1	38
DT278URC	80058	1	55	310-0082-00	79807	4	7
F02A250V1-4AS	81349	4	26	4012HOTTINNED	77147	4	8
MT3039URC	80058	1	12	544-0779-004	13499	4	56
MX4887URC	80058	1	2	546-6463-002	13499	1	24
MX4888URC	80058	1	6	547-2796-002	13499	1	47
MX4889URC	80058	1	11	548-3484-002	13499	1	34
MX4890URC	80058	1	8	548-3485-002	13499	1	31
MX4891URC	80058	1	5	548-3485-002	13499	1	36
MX4892URC	80058	1	4	548-3486-002	13499	1	28
MX4893URC	80058	1	10	548-3487-002	13499	1	26
MX4894URC	80058	1	1	548-3499-002	13499	1	41
MX4895URC	80058	1	9	548-3530-002	13499	1	22
NE2J	08805	4	13	548-8001-005	13499	3	1
S060CADPL	08664	1	57	548-8014-003	13499	1	19
S096CADPL	08664	1	58	549-0974-002	13499	1	23
TS1954URC	80058	1	54	553-2546-002	13499	1	43
TS1955URC	80058	1	49	6166	11242	1	45
TS1956URC	80058	1	3	747R	75543	2	1
TVS7	05276	1	48	8606	72653	1	46
TVS9	05276	1	51				

LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIG. NO.	ITEM NO.
5310-00-184-8977	3	6
5310-00-209-1522	1	32
5120-00-288-8853	1	59

LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
MS35338-98	96906	3	6

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL MANUALS

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ATTN: AMSTA-US
Stateside, N.J. 07703

DATE 10 July 1975

PUBLICATION NUMBER	DATE	TITLE
TM 11-5840-340-12	23 Jan 74	Radar Set AN/MPQ-76

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PAGE NO.	PARAGRAPH	FIGURE NO.	TABLE NO.
2-25	2-28		
3-10	3-3		3-1
5-6	5-8		
		F03	

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

Recommend that the installation antenna alignment procedure be changed throughout to specify a 2° IFF antenna lag rather than 1°.

REASON: Experience has shown that with only a 1° lag, the antenna servo system is too sensitive to wind gusting in excess of 25 knots, and has a tendency to rapidly accelerate and decelerate as it hunts, causing strain to the drive train. Hunting is minimized by adjusting the lag to 2° without degradation of operation.

Item 5, Function column. Change "2 db" to "3db."

REASON: The adjustment procedure for the TRANS POWER FAULT indicator calls for a 3 db (500 watts) adjustment to light the TRANS POWER FAULT indicator.

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

REASON: To replace the cover plate.

Zone C 3. On J1-2, change "+24 VDC to "+5 VDC."

REASON: This is the output line of the 5 VDC power supply. + 24 VDC is the input voltage.

TYPED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER
SSG I. M. DeSpiritof 999-1776

SIGN HERE: SSG I. M. DeSpiritof

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TM 11-6625-623-20P	18 Aug 78	

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PAGE NO.	PARAGRAPH	FIGURE NO.	TABLE NO.

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Chief of Staff

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