

TECHNICAL MANUAL

ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE

REPAIR PARTS AND SPECIAL TOOLS LISTS

(INCLUDING DEPOT MAINTENANCE FOR REPAIR PARTS AND SPECIAL TOOLS)

FOR

CRYSTAL RECTIFIER TEST SET TS-268E/U

(NSN 6625-00-669-1215)

H E A D Q U A R T E R S , D E P A R T M E N T O F T H E A R M Y

AUGUST 1977

TECHNICAL MANUAL }
No. 11-6625-305-24P }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 15 August 1977

ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
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FOR
CRYSTAL RECTIFIER TEST SET TS-268E/J
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Current as of 10 June 1977

REPORTING OF ERRORS

You can improve this manual by recommending improvements using DA Form 2028-2 (Test) located in the back of the manual. Simply tear out the self-addressed form, fill it out as shown on the sample, fold it where shown, and drop it in the mail.

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In either case a reply will be furnished direct to you.

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* This manual supersedes TM 11-6625-305-20P, 30 March 1973, and TM 11-6625-305-34P, 2 April 1973.

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, direct support, and general support maintenance of the TS-268E/U. It authorizes the requisitioning and issue of spares and 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 alphameric 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 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.
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 item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

<i>Code</i>	<i>Application/Explanation</i>
O -	Support item is removed, replaced, used at the organizational level.
H -	Support item is removed, replaced, used at the general support 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:

<i>Code</i>	<i>Application/Explanation</i>
Z -	Nonreparable. No repair, is authorized.

(3) *Recoverability code.* Recoverability codes are assigned to support items to indicate the disposition action on serviceable items. The recoverability code is entered in the fifth position of the

Uniform SMR Code format as follows:

Recoverability

codes

Definition

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

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 number 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

The following publications pertain to the TS-268E/U and its components:

TM 11-1242 Crystal-Rectifier Test Sets TS-268/U, TS-268A/U, TS-268B/U, TS-268C/U, TS-268D/U, and TS-268E/U

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 National 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)

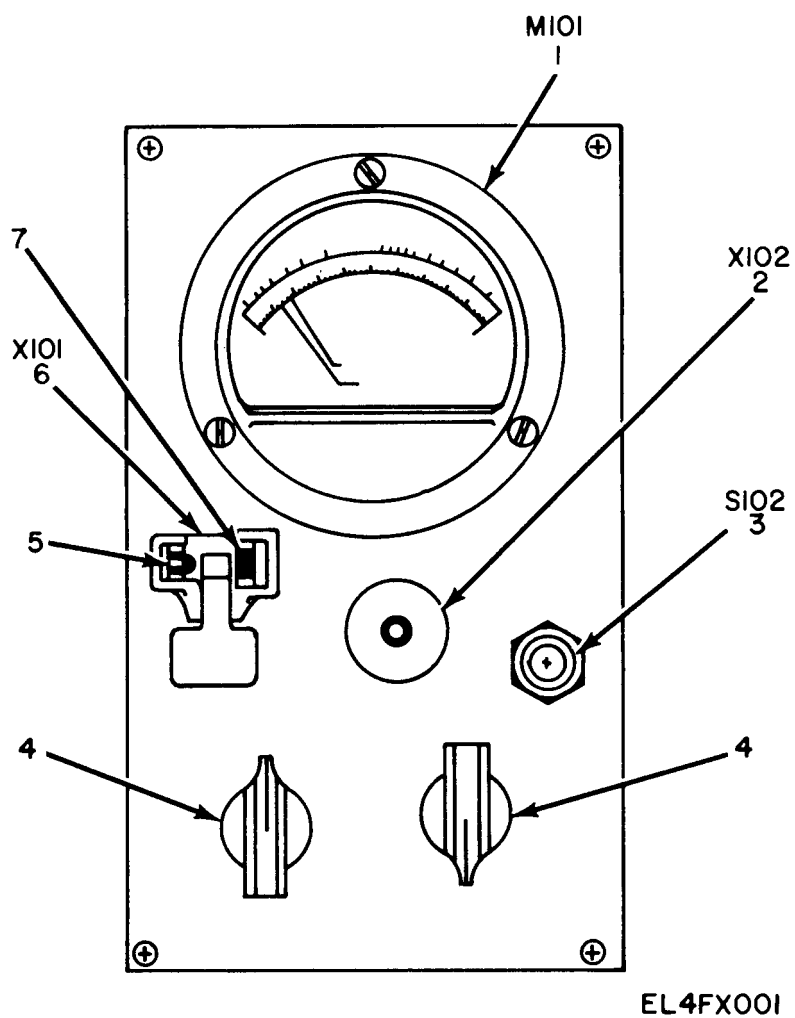


Figure 1. Crystal Rectifier Test Set TS-268E/U, Panel Assembly, Front View.

SECTION II									
(1)	(2)	(3)	(4)	(5)	(6)				(7) (8)
ILLUSTRATION									QTY
(A)	(B)								INC
FIG	ITEM	SMR	NATIONAL	PART	DESCRIPTION				IN
NO.	NO.	CODE	STOCK	NUMBER	FSCM	USABLE ON CODE	U/M	UNIT	
GROUP 00 CRYSTAL RECTIFIER TEST SET TS-268E/U									
1	1	PAHZZ	6625-00-669-1213	SCC86416	80063	MULTIMETER	EA	1	
1	2	PAHZZ	5935-00-643-9231	SCD86414SECTAA	80063	SOCKET,CRYSTAL	EA	1	
1	3	XDHZZ		SS03A20	81349	SWITCH,SENSITIVE	EA	2	
1	4	PAOZZ	5355-00-160-5910	MS90120-2B01	96906	KNOB	EA	1	
1	5	XDOZZ		SCB86432	80063	CLIP,ELECTRICAL	EA	1	
1	6	PAHZZ	5935-00-201-8988	SCD86425	80063	SOCKET,CRYSTAL	EA	1	
1	7	PAOZZ	5999-00-502-1343	268-86433	94518	CLIP,ELECTRICAL	EA	1	

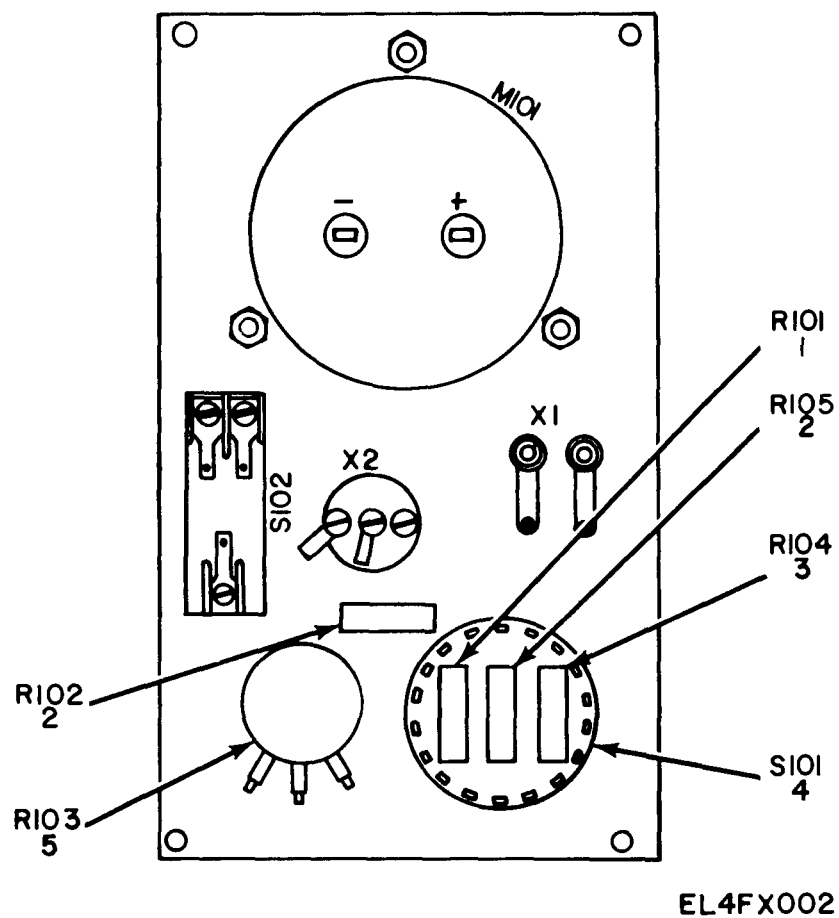
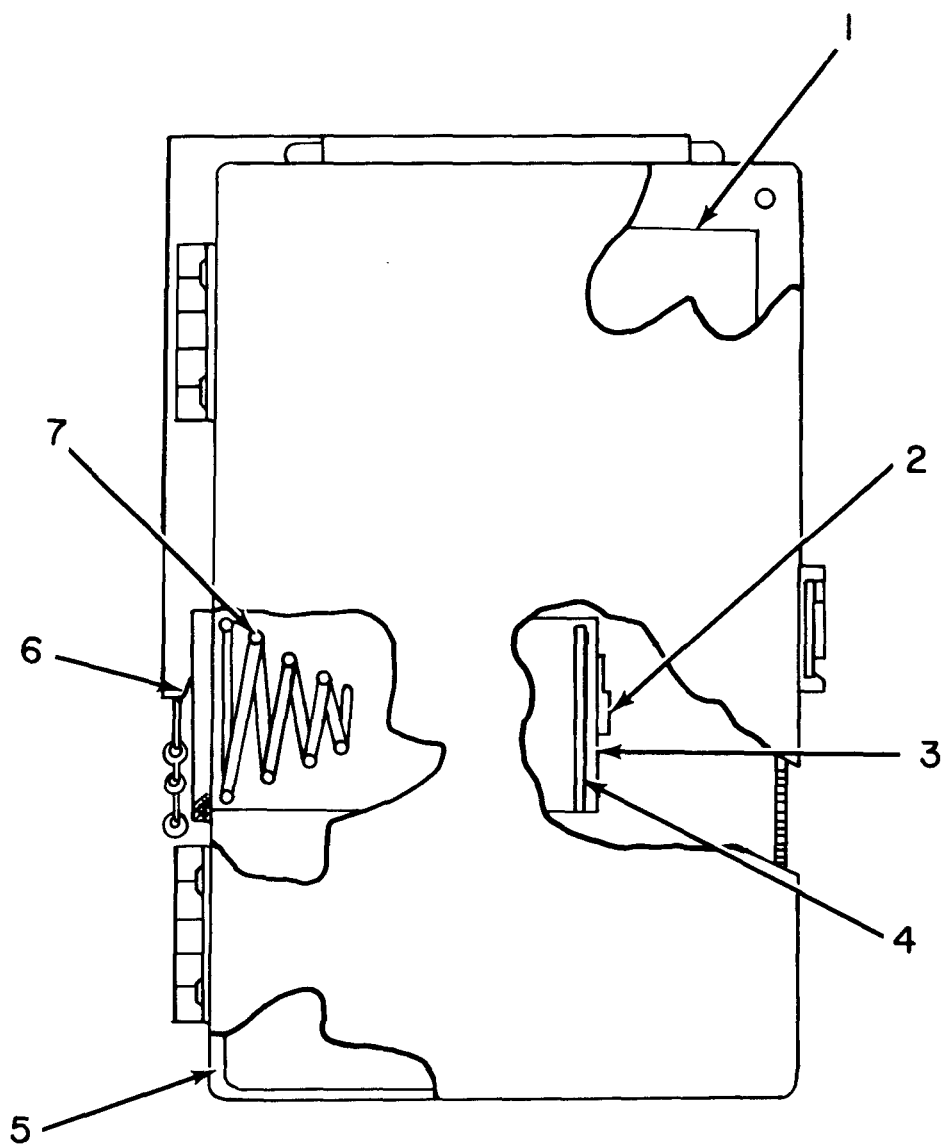


Figure 2. Crystal Rectifier Test Set TS-268E/U, Panel Assembly, Rear View.

SECTION II							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION							
(A)	(B)	NATIONAL		DESCRIPTION			QTY
FIG	ITEM	SMR	STOCK	PART			INC
NO.	NO.	CODE	NUMBER	NUMBER	FSCM	USABLE ON CODE	IN
							U/M UNIT
2	1	XDHZZ		NF1-2	79727	RESISTOR, FIXED, FILM	EA 1
2	2	PAHZZ	5905-00-552-3893	RN70B1000F	81349	RESISTOR, FIXED, FILM	EA 2
2	3	PAHZZ	5905-00-809-0837	RN70C2000F	81349	RESISTOR, FIXED, FILM	EA 1
2	4	PAHZZ	5930-00-636-4732	3235	37942	SWITCH, ROTARY	EA 1
2	5	PAHZZ	5905-00-552-2851	RV4NAYS152A	81349	RESISTOR, VARIABLE	EA 1



EL4FX003

Figure 3. Crystal Rectifier Test Set TS-268E/U, Case Assembly, Front View.

SECTION II

TM11-6625-305-24P

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION							
(A)	(B)						QTY
FIG	ITEM	SMR	NATIONAL	PART	DESCRIPTION		INC
NO.	NO.	CODE	STOCK	NUMBER	FSCM	USABLE ON CODE	IN
			NUMBER				U/M UNIT
3	1	XDOZZ		SCB45012	80063	GASKET	EA 1
3	2	PAOZZ	5999-00-502-1343	268-86433	84518	CLIP,ELECTRICAL	EA 1
3	3	PAOZZ	6625-00-563-0486	268-45006	94518	CAP,ELECTRICAL	EA 1
3	4	XDOZZ		SCB45004	80063	GASKET	EA 2
3	5	PAOZZ	5330-00-590-8031	X374	70485	RUBBER,STRIP,SOLID	EA 1
3	6	PAOZZ	6625-00-563-0487	268-4503	94518	CAP,ELECTRICAL	EA 1
3	7	PAHZZ	6625-00-565-5933	SCB45005	80063	SPRING,HELICAL COMPRESSION	EA 1

NATIONAL STOCK NUMBER AND PART NUMBER INDEX
NOTE: LATES INCLUDED AT END OF INDEX.

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.		
5935-00-201-8988	1	6	6625-00-565-5933	3	7		
5999-00-502-1343	1	7	5330-00-590-8031	3	5		
5999-00-502-1343	3	2	5930-00-636-4732	2	4		
5905-00-552-2851	2	5	5935-00-643-9231	1	2		
5905-00-552-3893	2	2	6625-00-669-1213	1	1		
6625-00-563-0486	3	3	5905-00-809-0837	2	3		
6625-00-563-0487	3	6					
PART NUMBER	FSCM	FIG NO	ITEM NO	PART NUMBER	FSCM	FIG NO	ITEM NO
MS90120-2B01	96906	1	4	SCD86425	8063	1	6
NF1-2	79727	2	1	SS03A20	81349	1	3
SCB45004	80063	3	4	268-45003	94518	3	6
SCB45005	80063	3	7	268-45006	94518	3	3
SCB45012	80063	3	1	3235	37942	2	4
SCB86432	80063	1	5	X374	70485	3	5
SCC86416	80063	1	1				

LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIG. NO.	ITEM NO.
5355-00-160-5910	1	4

LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
RN70B100F	81349	2	2
RN70C2000F	81349	2	3
RV4NAYSD152A	81349	2	5
SCD86414SECTAA	80063	1	2
268-8643	94518	1	7
268-86433	94518	3	2



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DATE 10 July 1975

PUBLICATION NUMBER

TM 11-5840-340-12

DATE

23 Jan 74

TITLE

Radar Set AN/P-3-76

BE EXACT...PIN-POINT WHERE IT IS

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

PAGE NO.	PARA- GRAPH	FIGURE NO.	TABLE NO.
2-25	2-28		
3-10	3-3		3-1
5-6	5-8		

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, Functions 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. DeSpirito 999-1776

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GRAPH

FIGURE
NO.

TABLE
NO.

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GRAPH

FIGURE
NO.

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SAAD (30)	29-134 (1)
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ARNG: State AG (3); Units - Same as Active Army except allowance is one (1) copy per unit.

USAR: None

For explanation of abbreviations used, see AR 310-50.

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