
TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LIST

CONVERTER, FREQUENCY SHIFT CV-305/U

(NSN 5815-00-503-2599)

TECHNICAL MANUAL }
No. 11-5815-258-20P }

HEADQUARTERS
DEPARTMENT OF THE ARMY
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**ORGANIZATIONAL MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LIST**

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(NSN 5815-00-503-2599)**

Current as of 22 June 1978

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*This manual supersedes TM 11-5816-258-20P, 1 July 1976.

SECTION I INTRODUCTION

1. Scope

This manual lists repair parts and special tools required for performance of organizational maintenance of the CV-305/U.

2. General

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

a. *Section II. Repair Parts List.* A list of 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 ascending numerical 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 ascending National item identification number (NIIN, last 9 digits) sequence, of all National stock numbers appearing in the listings, followed by a list, in alphameric sequence, of all part numbers appearing in the listings. National stock number and part 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. *Illustration.* This column is divided as follows:

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

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

b. *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.
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, XD, and aircraft support items as restricted by AR 70042.

(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.

(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 unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

Recoverability

<i>Codes</i>	<i>Definition</i>
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 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 70842 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 (UIM)*. 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 publication pertains to the CV405/U and its components: TM 11-5107, Frequency Shift Converter CV305/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 repair part 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 NIIN sequence followed by a list of part numbers in ascending 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.

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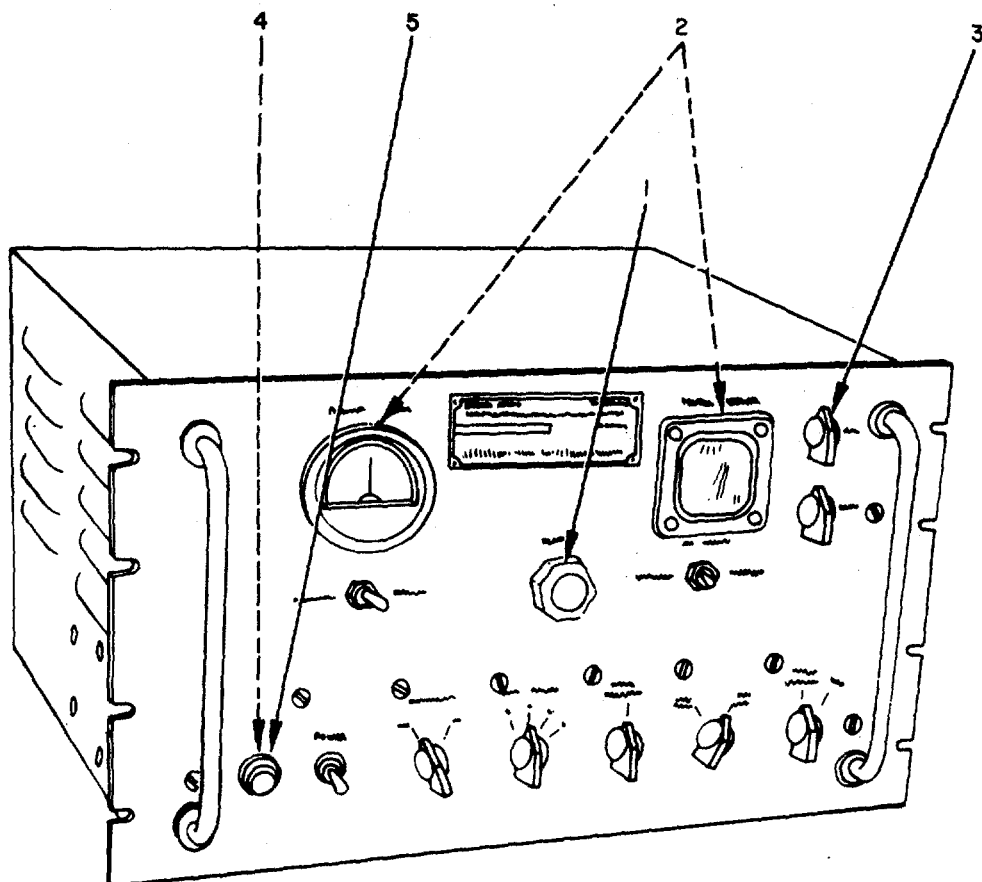


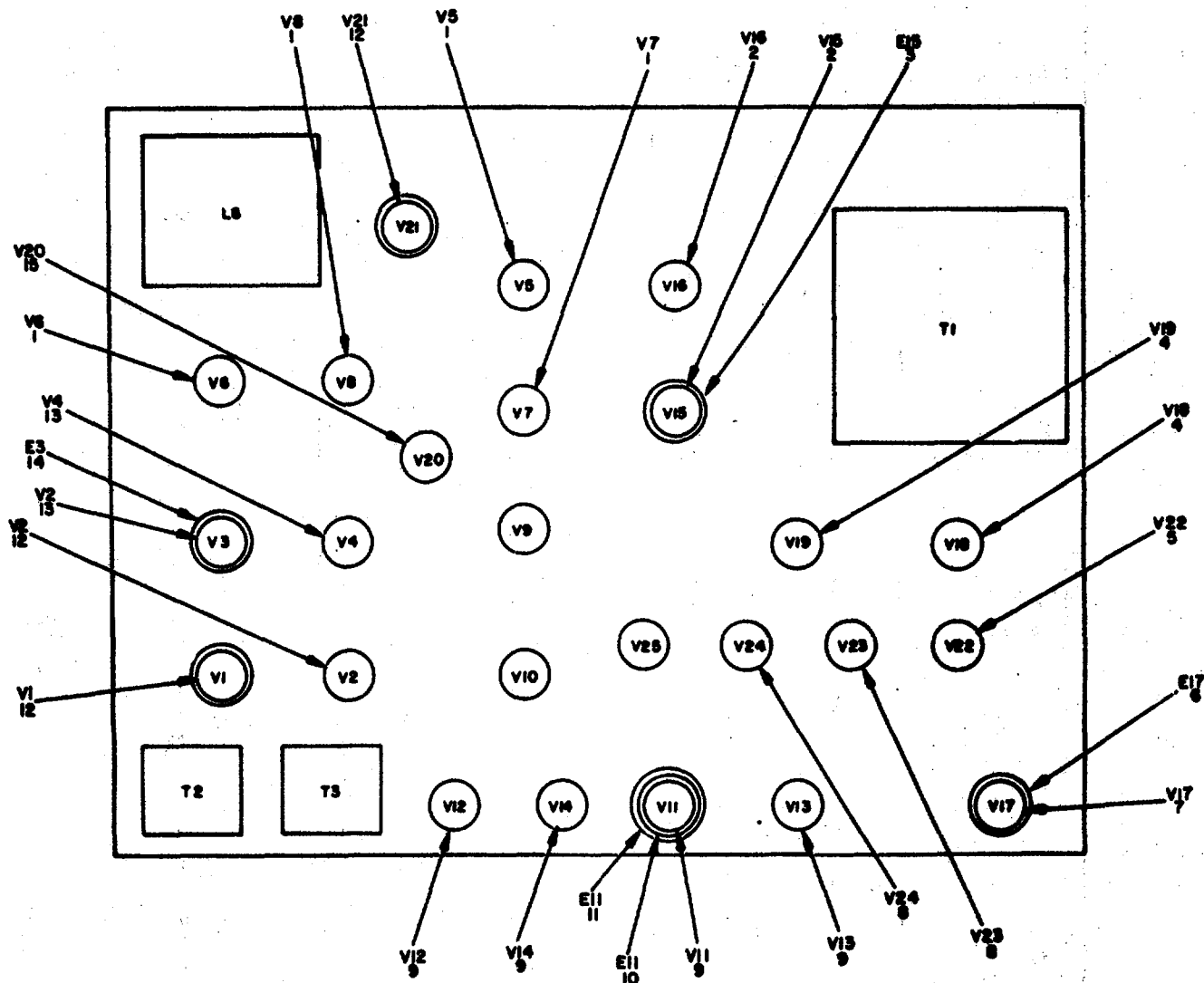
FIGURE 1

Figure 1. CV-305/U Converter.

SECTION II

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(1) ILLUSTRATION (a) FIG NO.		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION <i>USABLE ON CODE</i>	(7) U/M	(8) QTY INC IN UNIT
						GROUP 00 CV-305/U CONVERTER		
1	1	PAOZZ	5305-00-545-7586	S385-3BB	75376	KNOB	EA	1
1	2	PAOZZ	5999-00-283-7178	342003-2	75915	CAP, ELECTRICAL	EA	2
1	3	PAOZZ	5355-00-341-2477	S292-3LBB	75376	KNOB	EA	7
1	4	PAOZZ	6240-00-155-8706	47	24446	LAMP, INCANDESCENT CLEAR	EA	1
1	5	PAOZZ	6210-00-299-3916	431	72619	LENS, LAMP	EA	1



ELOHM002

Figure 2. CV-305/U Converter, top view.

SECTION II

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION <i>USABLE ON CODE</i>	U/M	QTY INC IN UNIT
2	1	PAOZZ	5960-00-879-5078	5726-6AL5W	81349	ELECTRON TUBE	EA	4
2	2	PAOZZ	5960-00-272-9182	6X4WA	81349	ELECTRON TUBE	EA	2
2	3	PAOZZ	5960-00-264-3004	TS103V02	81349	SHIELD, ELECTRON TUBE	EA	7
2	4	PAOZZ	5960-00-624-4718	OB2WA	81349	ELECTRON TUBE	EA	2
2	5	PAOZZ	5960-00-262-OD52	6AU6WA	81349	ELECTRON TUBE	EA	2
2	6	PAOZZ	5960-00-264-9506	4VT	97983	RETAINER, ELECTRON TUBE	EA	1
2	7	PAOZZ	5960-00-262-1703	5R4WGA	81349	ELECTRON TUBE	EA	1
2	8	PAOZZ	5960-00-166-766r4	12AX7	81349	ELECTRON TUBE	EA	2
2	9	PAOZZ	5960-00-114-3808	6Y6C	81349	ELECTRON TUBE	EA	4
2	10	PAOZZ	5960-00-273-243Z	44Y	97983	RETAINER, ELECTRON TUBE	EA	4
2	11	PAOZZ	5960-00-729-8150	TS102UO3	31349	SHIELD, ELECTRON TUBE	EA	4
2	12	PAOZZ	5960-00-166-7663	12AU7	31349	ELECTRON TUBE	EA	3
2	13	PAOZZ	5960-00-262-0167	12ATTWA	31349	ELECTRON TUBE	EA	2
2	34	PA094	5960-00-860-7709	TS102U32	31349	SHIELDT, ELECTRON TUBE	EA	2
2	15	PAOZZ	5960-00-170-4573	2BP1	81349	ELECTRON TUBE	EA	1

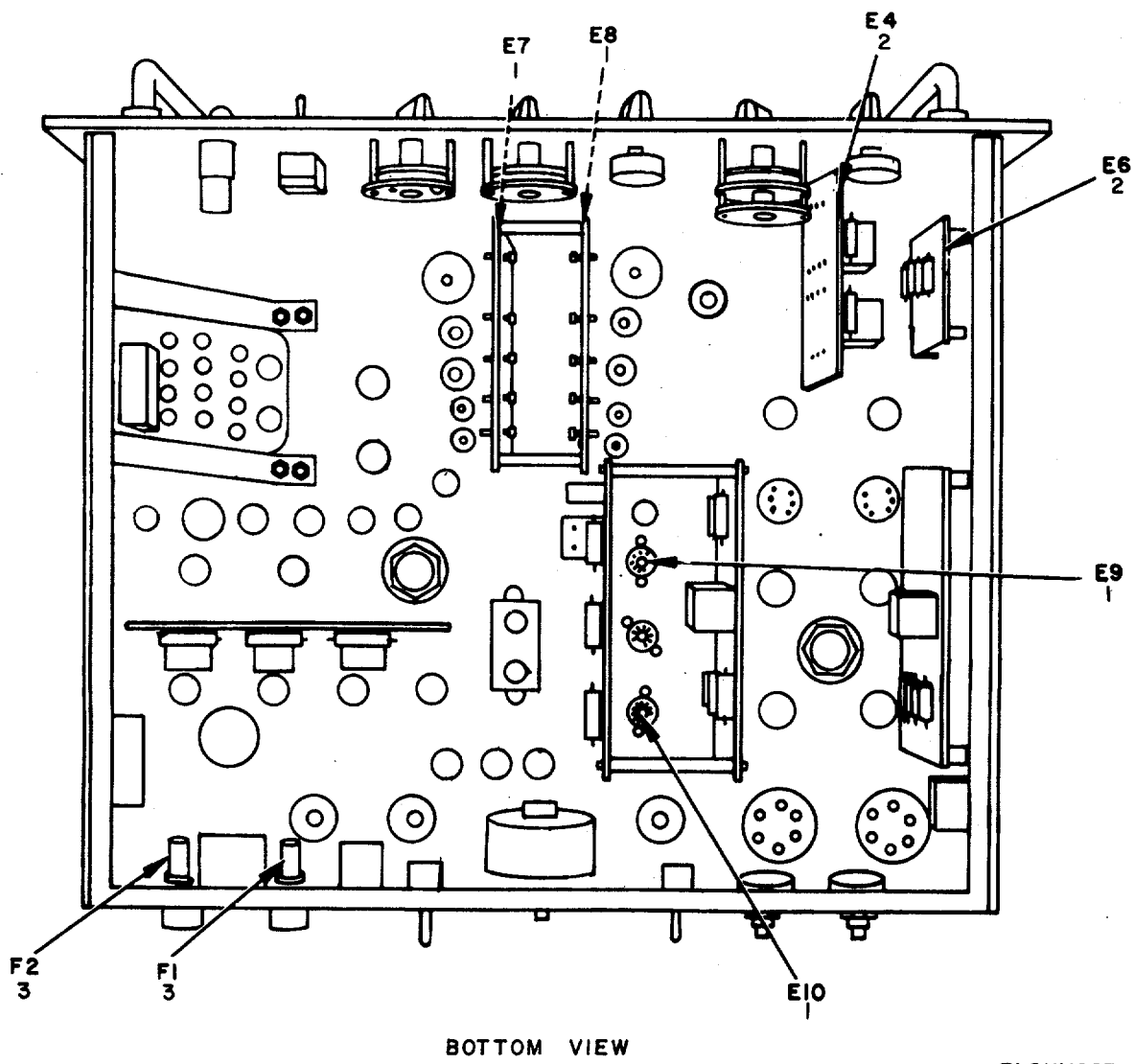


Figure 3. CV-305/U Converter, bottom view.

SECTION II

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(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION		SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION <i>USABLE ON CODE</i>	U/M	QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
3	1	XDOZZ	TS102U01		81349	SHIELD, ELECTRON TUBE	EA	4
3	2	PAOZZ	5960-00-860-7709	TS102U32	81349	SHIELD, ELECTRON TUBE	EA	2
3	3	PAOZZ	5920-00-060-2424	F02GSRO0A	81349	FUSE, CARTRIDGE	EA	2

STOCK NUMBER	FIG NO	ITEM NO
5920-00-060-2424	3	3
5960-00-114-3808	2	9
6240-00-115-8706	1	4
5960-00-166-7663	2	12
5960-00-166-7664	2	8
5960-00-170-4573	2	15
5960-00-262-0152	2	5
5960-00-262-0167	2	13
5960-00-262-1703	2	7
5960-00-264-3004	2	3
5960-00-264-9506	2	6
5960-00-272-9182	2	2
5960-00-273-2432	2	10
5999-00-283-7178	1	2
6210-00-299-3916	1	5
5355-00-341-2477	1	3
5305-00-545-7586	1	1
5960-00-624-4718	2	4
5960-00-729-8150	2	11
5960-00-860-7709	3	2
5960-00-860-7709	2	14
5960-00-879-5078	2	1

PART NUMBER	FSCM	FIG NO	ITEM NO
F02G5ROOA	81349	3	3
S292-3LBB	75376	1	3
S385-3BB	75376	1	1
TS102Uol	81349	3	1
TS302U03	81349	2	11
TS102U32	81349	2	14
TS102U32	81349	3	2
TS103VO2	81349	2	3
OB2WA	81349	2	4
12ATTWA	81349	2	13
12AU7	81349	2	12
12AX7	81349	2	8
2BP1	81349	2	15
342003-2	75915	1	2
4VT	97983	2	6
4Y	97983	2	10
431	72619	1	5
47	24446	1	4
5R4WGA	81349	2	7
5726-6AL5W	81349	2	1
6AU6WA	81349	2	5
6X4WA	81349	2	2
6Y6C	81349	2	9

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11-97 (1)
11-98 (1)
11-500(AA-AC) (1)
29-134 (1)
29-136
32-500 (1)
32-500 (1)

NG: None

USAR: None

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

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

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