TECHNICAL MANUAL

ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST FOR UNIVERSAL FREQUENCY COUNTER 5335A (HP)

HEADQUARTERS, DEPARTMENT OF THE ARMY

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TECHNICAL MANUAL

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ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR

UNIVERSAL FREQUENCY COUNTER 5335A (HP)

Current as of 1 January 1985

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-ME-MP, Fort Monmouth, NJ 07703-5007.

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

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SECTION I

INTRODUCTION

1. Scope

This manual lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of organizational, direct sup- port, and general support maintenance of the HP-5335A. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the source, maintenance and recoverability (SMR) codes.

2. General

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

a. Section H. RepairParts List. A list of spares and repair parts authorized by this RPSTL 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 numeric sequence, with the parts in each group listed in ascending item number sequence. Figure numbers are listed directly beneath the group header.

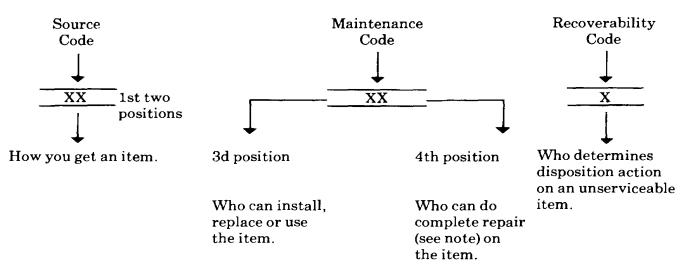
b. Section III. Special Tools List. Not applicable.

c. Section IV. National Stock Number and Part Number Index. A list, in National item identification number (NIIN) sequence, of all National stock numbered items appearing in the listing, 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 (Section II and III)

a. Item No. (Column (1)). Indicates the number used to identify items called out in the illustration.

b. SMR Code (Column (2)). The source, maintenance, and recoverability (SMR) code is a five-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instruction, as shown in the following breakout.

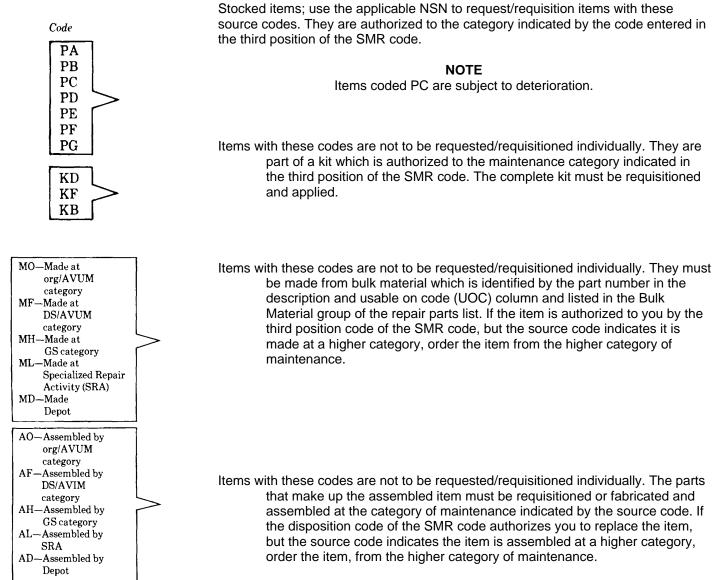


NOTE

Complete repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

(1) Source code. The source code tells you how to get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follows:

TM 11-6625-3068-24P



Explanation

Code

Explanation

XA-Do not requisition an "XA" coded item. Order its next higher assembly.
XB-If an "XB" item is not available from salvage, order it using the FSCM and part number given.
XC-Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturers part number.
XD-Item is not stocked. Order an "XD" coded item through normal supply channels using the FSCM and part number given, if no NSN is available.

NOTE

Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA" or those aircraft support items restricted by requirements of AR 750-1.

(2) *Maintenance code*. Maintenance codes tell you the category of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows:

(a) The maintenance code entered in the third position tells you the lowest maintenance category authorized

to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to one of the following categories of maintenance.

Applica tion/Explana tlon

C-Crew or operator maintenance done within organizational or aviation maintenance.

O-Organizational or aviation unit category can remove, replace, and use the item.

F-Direct support or aviation intermediate category can remove, replace, and use the item.

H-General support category can remove, replace, and use the item.

L--Specialized repair activity can remove, replace, and use the item.

D-Depot category can remove, replace, and use the item.

(b) The maintenance code entered in the fourth position tells whether or not the item is to be repaired and identifies the lowest maintenance category with the capability to do complete repair (i.e., perform all authorized repair functions). This position will contain one of the following maintenance codes.

NOTE

Some limited repair may be done on the item at a lower category of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes.

Code

Code

Application/Explanation

O-Organizational or aviation unit is the lowest category that can do complete repair of the item.

F-Direct support or aviation intermediate is the lowest category that can do complete repair of the item.

H-General support is the lowest category that can do complete repair of the item.

L-Specialized repair activity (designate the specialized repair activity) is the lowest category that can do complete repair of the item.

D-Depot is the lowest category that can do complete repair of the item.

Z-Nonreparable. No repair is authorized.

B-No repair is authorized. (No parts or special tools are authorized for the maintenance of a "B" coded item). However, the item may be reconditioned by adjusting, lubricating, etc., at the user category.

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

Recoverability

Codes

Applictation/Explanation

Z--Nonreparable Item. When unserviceable, condemn and dispose of the item at the category of maintenance shown in the third position of SMR Code.

O-Reparable item. When uneconomically reparable, condemn and dispose of the item at organizational or aviation unit category.

F-Reparable item. When uneconomically reparable, condemn and dispose of the item at direct support or aviation intermediate category.

H-Reparable item. When uneconomically reparable, condemn and dispose of the item at general support category.

D-Reparable item. When beyond lower category repair capabillity, return to depot. Condemnation and disposal of item not authorized below depot category.

L-Reparable item. Condemnation and disposal not authorized below specialized repair activity (SRA).

A-Item requires special handling or condemnation procedures because of specific reasons (e.g., precious metal content, high dollar valve, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. *FSCM (Column (3))*. The Federal Supply Code for Manufacturer (FSCM) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

d. *Part Number (Column (4))*. 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 you use a NSN to requisition an item, the item you receive may have a different part number from the part ordered.

e. Description and Usable on Code (UOC) (Column (5)). This column includes the following information.

(1) The Federal item name and, when required, a minimum description to identify the item.

(2) The statement "END OF FIGURE" appears just below the last item description in Column (5) for a given figure in both section II and section III.

f. Qty (Column (6)). 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. A "V" appearing in this column in lieu of a quantity indicates that the quantity is variable and the quantity may vary from application to application.

4. Explanation of Columns (Section IV)

a. National Stock Number(NSN)Index.

(1) Stock number column. This column lists the NSN by National item identification number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN. When using this column to locate an item, ignore the first four digits of the NSN. When requisitioning items use the complete NSN (13 digits).

(2) Fig. column. This column lists the number of the figure where the item is identified/located. The illustrations are in numerical sequence in sections II and III.

(3) Item column. The item number identifies the item associated with the figure listed in the adjacent Fig. column. This item is also identified by the NSN listed on the same line.

b. Part NumberIndex. Part numbers in this index are listed by part number in ascending alphameric sequence.

(1) FSCM column. This column lists the Federal supply code for manufacturer (FSCM).

(2) Part number column. This column indicates the part number assigned to the item.

(3) Stock number column. This column lists the National stock number for the associated part number and manufacturer identified in the part number and FSCM columns to the left.

(4) Fig. column. This column lists the number of the figure where the item is identified/located in sections II and III.

(5) Item column. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

5. Special Information

a. Short Form Repair Parts and Special Tools List (RPSTL). This Repair Parts and Special Tools List is a short form RPSTL. All repair parts will be listed in the next revision.

b. Associated Publications. The publication listed below pertains to the 5335A (HP) and its components: TM 11-6625-3068-14, Universal Frequency Counter 5335A (HP) (To be published.)

c. National Stock Numbers. National stock numbers (NSN's) that are missing from P source coded items have been applied for and will be added to this TM by future change/revision when they are entered in the Army Master Data File (AMDF). Until the NSN's are established and published, submit exception requisitions to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-MM, Fort Monmouth, NJ 07703-5006 for the part required to support your equipment.

6. How to Locate Repair Parts

a. When National stock number or part number is not known.

(1) First. Using the table of contents, determine the assembly group or subassembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and listings are divided into the same groups.

(2) Second. Find the figure covering the assembly group or subassembly group to which the item belongs.

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

(4) Fourth. Refer to the Repair Parts List for the figure to find the part number for the item number noted on the figure.

(5) Fifth. Refer to the Part Number Index to find the NSN, if assigned.

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. The NSN index is in National item identification number (NIIN) sequence (para 4a(1)). The part numbers in the part number index are listed in ascending alphanumeric sequence (para 4b). Both indexes cross-reference you to the illustration figure and item number of the item you are looking for.

(2) Second. After finding the figure and item number, verify that the item is the one you're looking for, then locate the item number in the repair parts list for the figure.

7. Abbreviations

Not applicable.

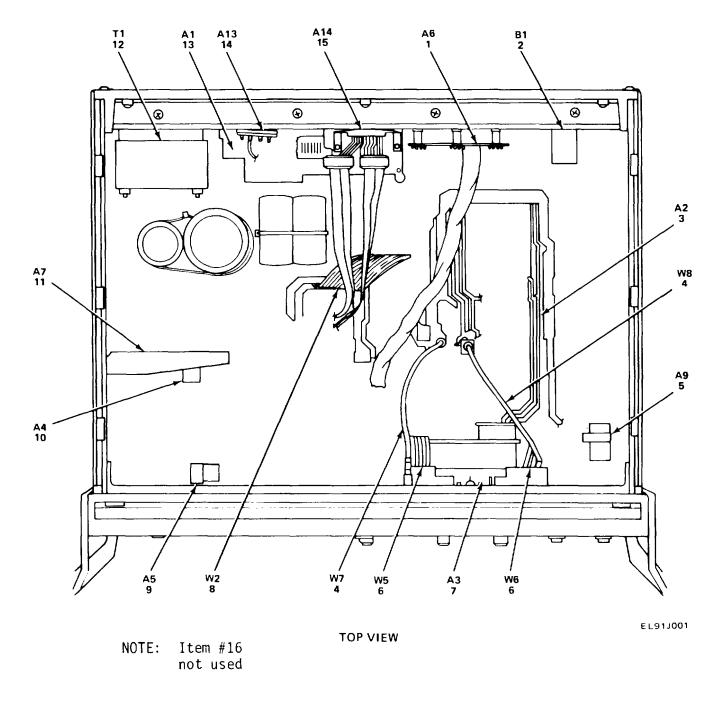


Figure 1. Frequency Counter, 5335A (Sheet 1 of 3)

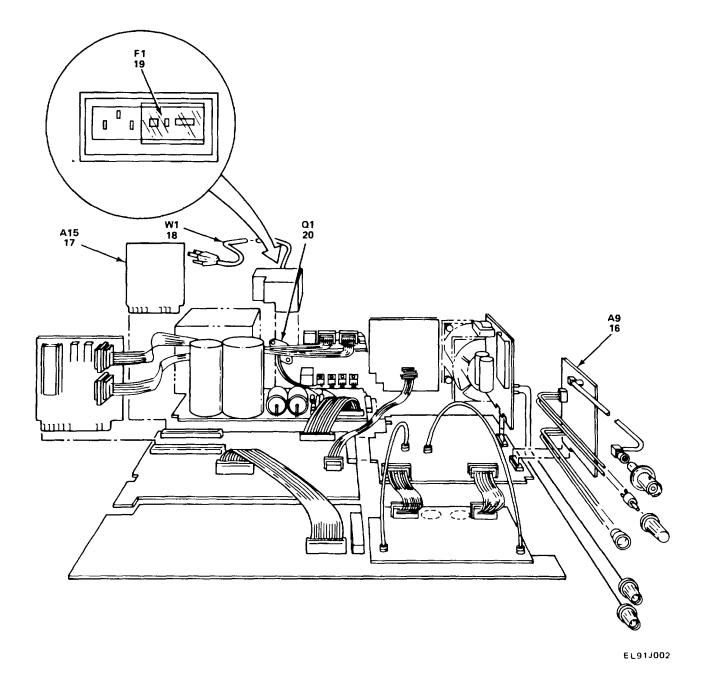


Figure 1. Frequency Counter, 5335A (Sheet 2 of 3)

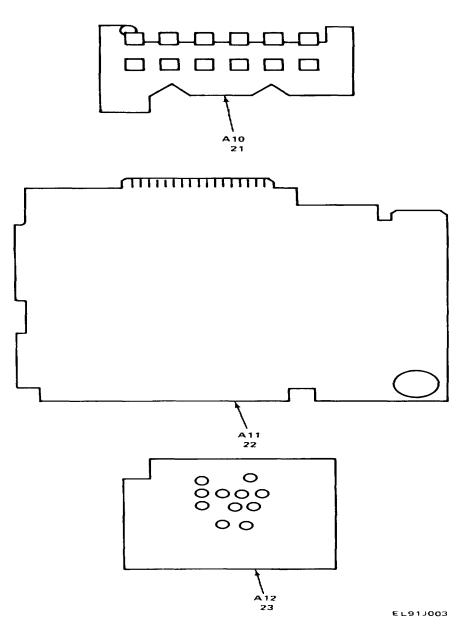
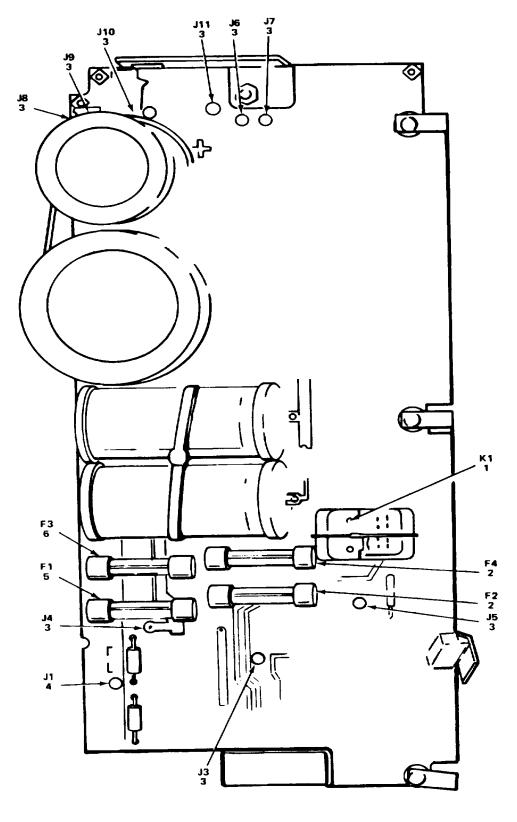


Figure 1. Frequency Counter, 5335A (Sheet 3 of 3)

(1) ITEM	SECTION (2) SMR	N II (3)	(4) PART	TM 11-6625 (5)	-3068-24P (6)
NO	CODE	FSCM	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
				GROUP 00 UNIVERSAL FREQUENCY COUNTER 5335A (HP)	
1 3 4 5 6 7 8 9 10 11 12 13 14 15 17 18 19 20	PAHDD PADZZ PAHDD XBHZZ PAHDD XBHZZ PAHDD PAHDD PAHDD PADZZ PAHDD PADZZ PAHDD PADZZ PAHDD PADZZ PAHDD	28480 23936 28480 28480 28480 28480 28480 28480 28480 28480 28480 28480 28480 28480 28480 28480 28480 28480 28480	05335-61006 8500C J5335-60002 05335-60112 05335-60009 8120-2867 05335-60003 05335-60003 05335-60004 05335-60004 05335-60007 9100-4113 05335-60001 0960-0443 05370-60005 10544-60011 8120-1378 313001 2N6055	FIG. 1 REAR BD ASSY FAN,TUBEAXIAL BD ASSY,AMP SUPP CABLE ASSY BD ASSY,CHAN,OPT030 (A9) CABLE ASSY BD ASSY,AMP BUFFER CABLE ASSY BD ASSY,AMP BUFFER CABLE ASSY BD ASSY,DISPLAY (A5) BD ASSY,MAIN LOGIC BD ASSY,MAIN LOGIC BD ASSY,HP-IB TRANSFORMER BD ASSY,PWR SPLY TEST SET SUBASSEMBL CIRCUIT CARD ASSEMBL CIRCUIT CARD ASSEMB (HP-1B CONNECTOR PCB A14) OSCILLATOR,NONCRYST CABLE ASSEMBLY,POWE FUSE TRANSISTOR	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1
21 22 23	PAHDD PAHDD PAHDD	28480 28480 28480	05335-60010 05335-60011 05335-60012	SW PNL CCA,OPT040 AMPL BD ASSY,OPT040 (All) AMPL BD ASSY,OPT040 (A12)	1 1 1



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Figure 2. CCA, Power Supply, 05335-60001, A1

(1) ITEM	SECTION (2) SMR	N II (3)	(4) PART	TM 11-66 (5)	25-3068-24P (6)
NO	CODE	FSCM	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
				GROUP 01 CCA, POWER SUPPLY 05335-60001 AI	
1 2 3 4 5 6	PADZZ PADZZ PADZZ PADZZ PADZZ PADZZ	28480 28480 28480 28480 75915 28480	0490-1172 2110-0043 1251-0600 1251-6608 312005 2110-0083	FIG. 2 RELAY FUSE CONNECTOR,RECEPTACL CONNECTOR FUSE FUSE	1 2 9 1 1 1

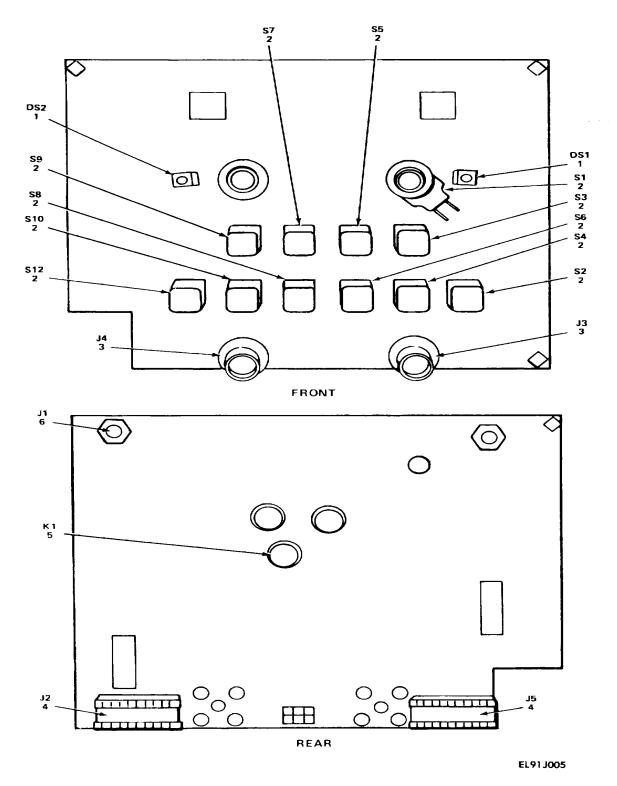


Figure 3. CCA, Buffer Amplifier, 05335-60003, A3

(1) ITEM	SECTION (2) SMR	(3)	(4) PART	(5)	5-3068-24P (6)
NO	CODE	FSCM	NUMBER	GROUP 02 CCA, BUFFER AMPLIFIER 05335-60003 A3	QTY
1 2 3 4 5 6	PADZZ PADZZ PADZZ PADZZ PADZZ PADZZ	28480 28480 28480 28480 28480 28480 28480	5082-4584 3101-2498 1250-1671 1200-0614 0490-0508 1250-0835	FIG. 3 LENS,LIGHT SWITCH,PB CONNECTOR CONNECTOR RELAY CONNECTOR,RECEPTACL	2 11 2 2 1 2

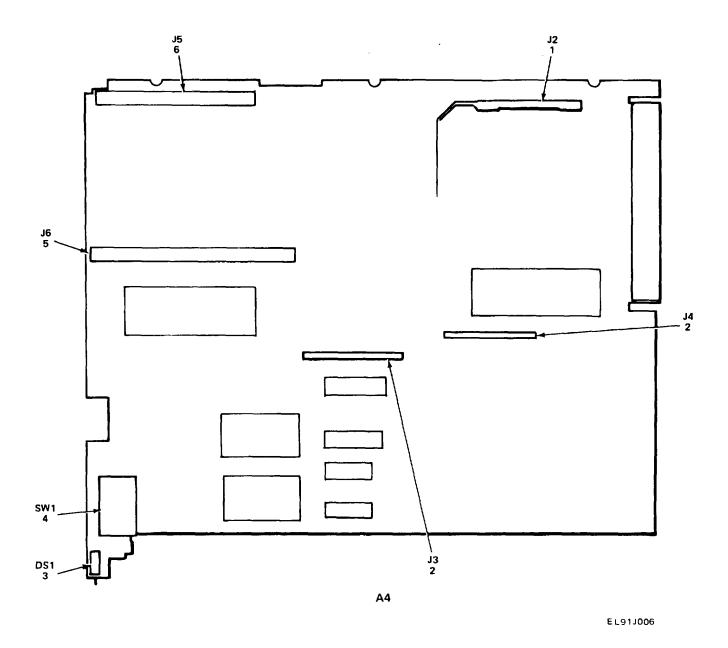


Figure 4. CCA, Main Logic, 05335-60004, A4

(1) ITEM	SECTION (2) SMR	(3)	(4) PART	(5)	25-3068-24P (6)
NO	CODE	FSCM	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
				GROUP 03 CCA, MAIN LOGIC 05335-60004 A4	
1 2 3 4 5 6	PADZZ PADZZ PADZZ PADZZ PADZZ PADZZ	28480 28480 28480 28480 28480 28480 28480	1251-3076 1251-6608 1990-0627 3101-0680 1251-2035 1251-2026	FIG. 4 CONNECTOR CONNECTOR LENS,LIGHT SWITCH,PB. CONNECTOR,RECEPTACL CONNECTOR,RECEPTACL	1 2 1 1 1 1

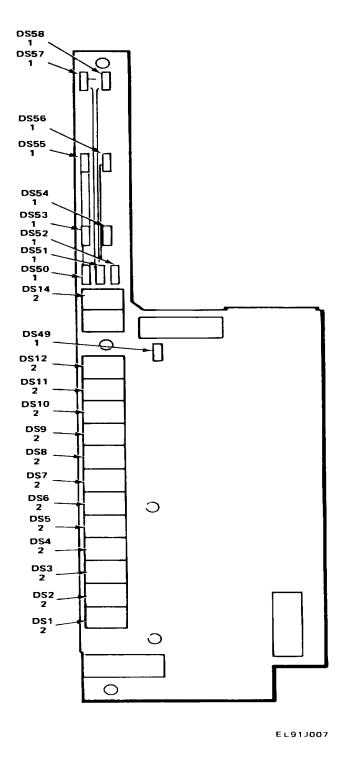
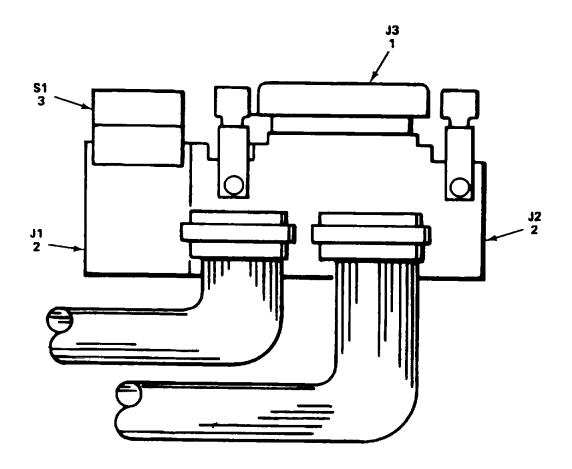


Figure 5. CCA, Display, 05335-60005, A5

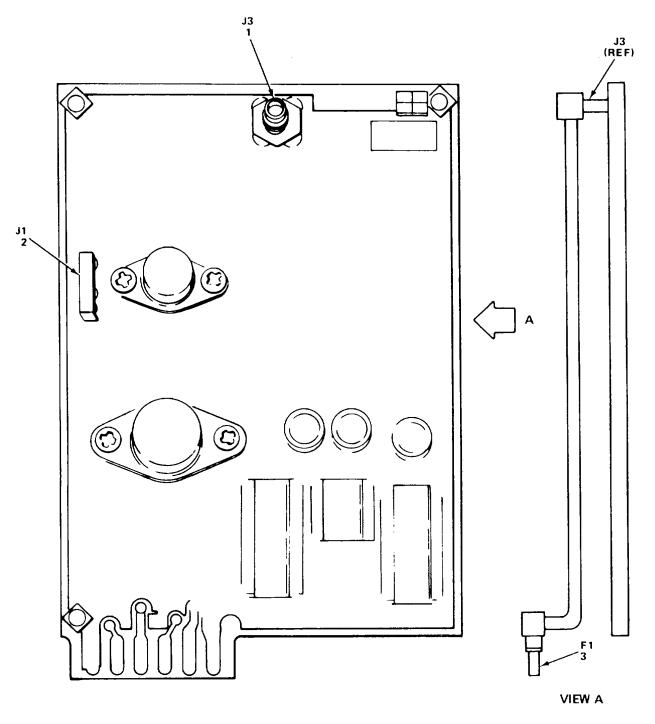
SECTION II				TM 11-6625-3068		
(1)	(2)	(3)	(4)	(5)	(6)	
ITEM NO	SMR CODE	FSCM	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY	
				GROUP 04 CCA, DISPLAY 05335-60005 A5		
1 2	PADZZ PADZZ	28480 28480	5082-4684 5082-7651	FIG. 5 LENS,LIGHT LFNS,LIGHT	10 13	



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Figure 6. CCA, HP-1B Connector, 05370-60005, A14

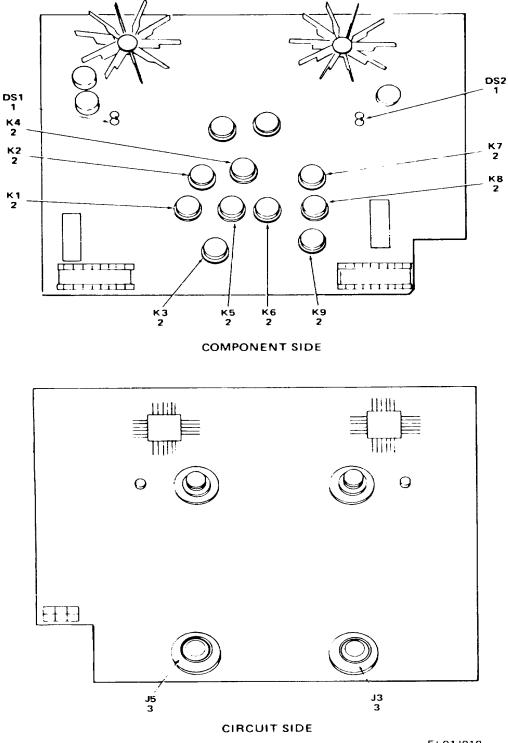
(1)	SECTION (2)	ll (3)	(4) DADT	TM 11-662 (5)	25-3068-24P (6)
ITEM NO	SMR CODE	FSCM	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
				GROUP 05 CCA, HP-1B CONNECTOR 05370-60005 A14	
1 2 3	PADZZ PADZZ PADZZ	28480 28480 28480	1251-3283 1200-0519 3101-1973	FIG. 6 CONNECTOR CONNECTOR SWITCH ASSEMBLY	1 2 1



EL91J009

Figure 7. CCA, Channel, 05335-60009, A9

(1) ITEM	SECTIOI (2) SMR	N II (3)	(4) PART	TM 11-662 (5)	5-3068-24P (6)
NO	CODE	FSCM	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
				GROUP 06 CCA, CHANNEL C 05335-60009 A9	
1 2 3	PADZZ PADZZ PADZZ	28480 28480 28480	1250-0835 1251-4275 2110-0301	FIG. 7 CONNECTOR,RECEPTACL CONNECTOR FUSE,CARTRIDGE	1 1 1



EL91J010

Figure 8. CCA, Amplifier, 05335-60012, A12

SECTION II				TM 11-66	25-3068-24P
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	FSCM	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY

GROUP 07 CCA,AMPLIFIER 05335-60012 A12

FIG. 8

1	PADZZ	28480	5082-4584	LENS,LIGHT	2
2	PADZZ	28480	0490-0508	RELAY	9
3	PADZZ	28480	1250-1671	CONNECTOR END OF FIGURE	2

ITEM

FIG.

NATIONAL STOCK NUMBER AND PART NUMBER INDEX NATIONAL STOCK NUMBER INDEX FIG. ITEM STOCK NUMBER

STOCK NUMBER	FIG.	ITEM
4140-00-004-9000	1	2
5920-00-050-4953	2	2
5935-00-068-3546	3	6
	7	1
6625-00-169-8770	1	14
5961-00-264-4875	1	20
5920-00-296-1519	2	5
5935-00-446-8768	4	6
5955-01-013-4821	1	17
5961-01-049-6786	3	1
	8	1
5930-01-057-8425	6	3
5920-01-073-1231	7	3
5935-01-082-1966	2	3
5935-01-087-8437	4	5
6625-01-141-1096	1	15
5930-01-169-7864	3	2

I-1

NATIONAL STOCK NUMBER AND PART NUMBER INDEX PART NUMBER INDEX

FSCM	PART NUMBER	STOCK NUMBER	FIG.	ITEM
28480	0490-0508		3	5
28480	0490-1172		8 2	2 1
28480	05335-60001		2 1	13
28480	05335-60002		1	3
28480	05335-60002		1	3 7
28480	05335-60004		1	10
28480	05335-60005		1	9
28480	05335-60007		1	11
28480	05335-60009		1	5
28480	05335-60010		1	21
28480	05335-60011		1	22
28480	05335-60012		1	23
28480	05335-60101		1	8
28480	05335-60112		1	4
28480	05335-61006		1	1
28480	05370-60005	6625-01-141-1096	1	15
28480	0960-0443	6625-00-169-8770	1	14
28480	10544-60011	5955-01-013-4821	1	17
28480	1200-0519		6	2
28480	1200-0614		3	4
28480	1250-0835	5935-00-068-3546	3	6
28480	1250-1671		7 3	1 3
20100			8	3
28480	1251-0600	5935-01-082-1966	2	3
28480	1251-2026	5935-00-446-8768	4	6
28480	1251-2035	5935-01-087-8437	4	5
28480	1251-3076		4	1
28480	1251-3283		6	1
28480	1251-4275		7	2
28480	1251-6608		2	4
			4	2
28480	1990-0627		4	3
04713	2N6055	5961-00-264-4875	1	20
28480	2110-0043	5920-00-050-4953	2	2
28480	2110-0083		2	6
28480	2110-0301	5920-01-073-1231	7	3
28480	3101-0680		4	4
28480	3101-1973	5930-01-057-8425	6	3
28480	3101-2498	5930-01-169-7864	3	2
75915	312005	5920-00-296-1519	2	5
75915	313001		1	19
28480	5082-4584	5961-01-049-6786	3 8	1 1
28480	5082-4684		5	1
28480	5082-7651		5	2
28480	8120-1378		1	18
28480	8120-2867		1	6
23936	8500C	4140-00-004-9000	1	2
28480	9100-4113		1	12

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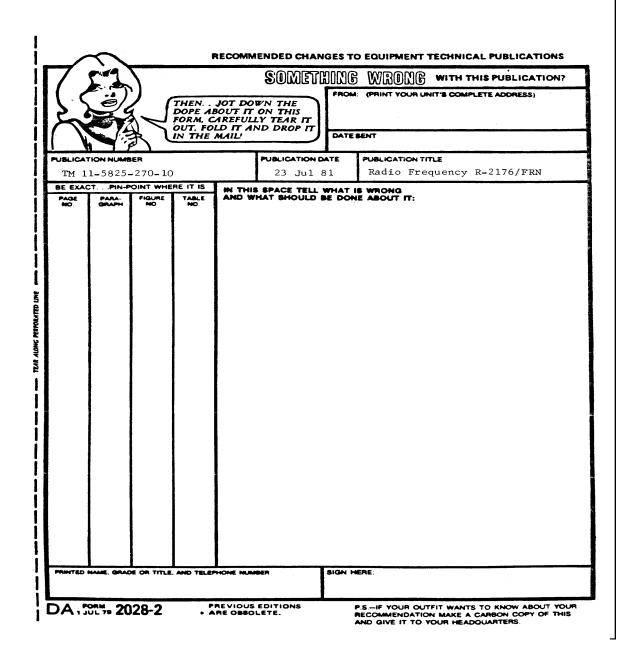
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