

TM 11-5835-205-20P

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TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS

FOR

RECORDER-REPRODUCER SET, SOUND AN/TNH-2B  
(NSN 5835-00-543-0079)

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HEADQUARTERS, DEPARTMENT OF THE ARMY

JANUARY 1978



**Organizational Maintenance Repair Parts and Special Tools List  
For**

**RECORDER-REPRODUCER SET, SOUND AN/TNH-2B  
(NSN 5825-00-543-0079)**

*Current as of 12 August 1977*

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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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SECTION I  
INTRODUCTION

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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 AN/TNH-2B. 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:

code	Definition
PA	Item procured and stocked for anticipated or known usage.

**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.

(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>
F	The lowest maintenance level capable of complete repair of the support item is the direct support level.

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  
codes

Definition

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

F — Repairable item. When uneconomically repairable, condemn and dispose at the direct 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 publications pertain to the

AN/TNH-2B and its components:

TM 11-2583A, Sound Recorder-Reproducer Sets AN/TNH-2A and AN/TNH-2B

TM 11-5965-210-15P, Headset Electrical H- 104/G, H-104A/G, and H-104B/G

TM 11-5965-217-14P, Microphone, Dynamic M-65/U

b. The illustrations in this manual are identical to those published in TM 11- 5835-205-34P. 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 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.



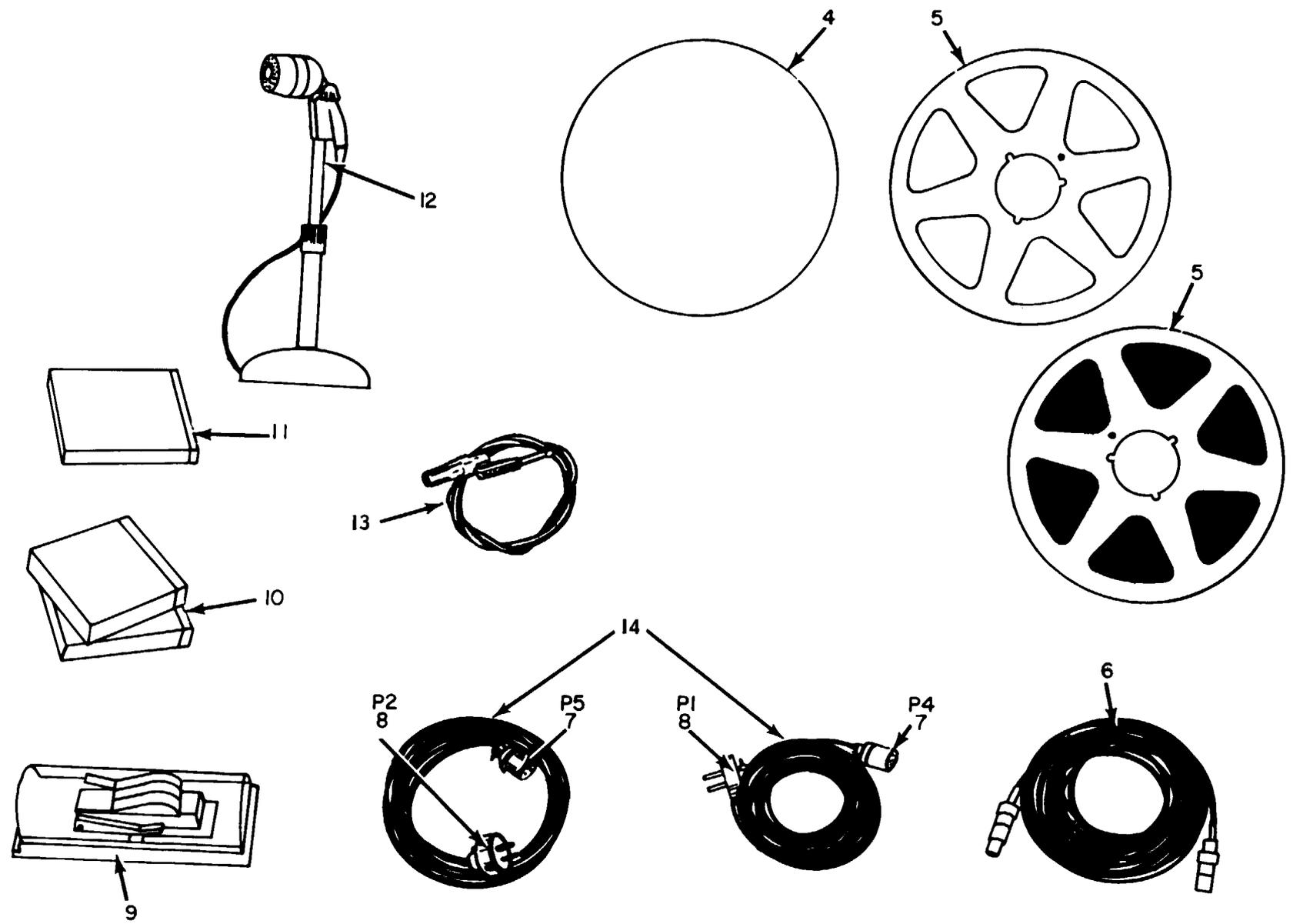
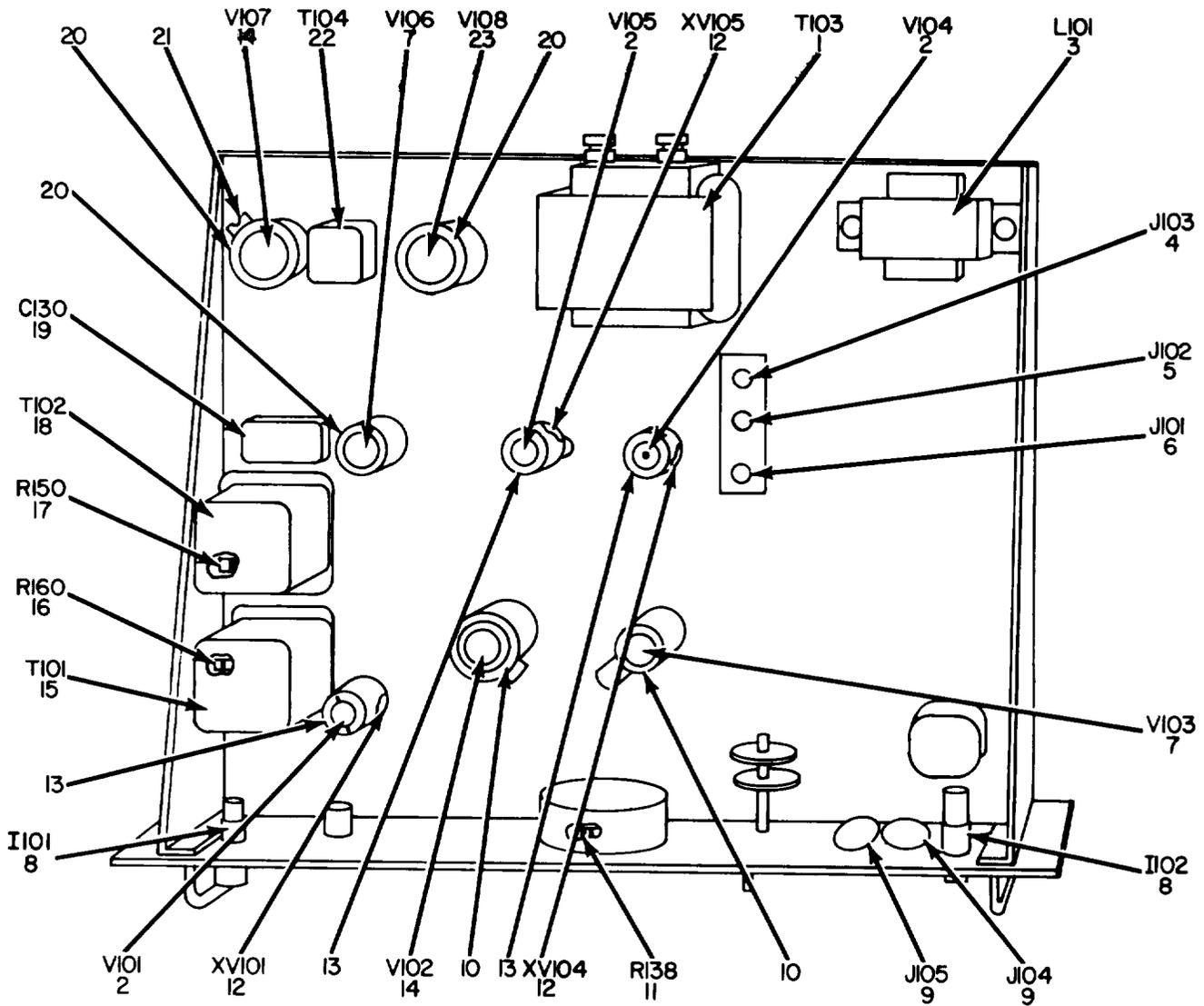


Figure 1. Recorder-Replicator Set, Sound AN/TNH-2B.

EL 4CE002

SECTION II (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	QTY INC IN UNIT
GROUP 00 RECORDER-REPRODUCER SET, SOUND AN/TNH-2B								
1	4	PAOZZ	5835-00-543-0282	101-2RETMA	82107	REEL,TAPE	EA	1
1	5	PAOZZ	5835-00-583-1296	TATAFR250PA2500	81348	TAPE,RECORDING	EA	1
1	6	PAOZZ	5995-00-201-4438	CX3322U	80058	CABLE ASSEMBLY,SP	EA	1
1	7	PAOZZ	5935-00-149-3628	SMB143101	80063	CONNECTOR,PLUG,ELEC	EA	2
1	8	PAOZZ	5935-00-552-4490	UP120M	81349	CONNECTOR,PLUG,ELEC	EA	2
1	9	PAOZZ	5820-00-566-0668	TS4STD	02773	SPLICER,TAPE	EA	1
1	10	PAOZZ	5835-00-572-4499	41-7-32-S	76381	TAPE,SPLICING	EA	2
1	11	PAOZZ	5835-00-393-1983	43-1-5	76381	TAPE,REC REPRODUCER	EA	1
1	12	PAOFF	5965-00-296-3117	M-65/U	81134	MICROPHONE DYNAMIC	EA	1
1	13	PAOZZ	5995-00-296-1607	CG-1368/U	80058	CABLE ASSEMBLY,RF	EA	1
1	14	PAOFF	5995-00-889-1304	CX-1208/U	80058	CABLE ASSEMBLY,POWER	EA	2



EL4CE003

Figure 2. Amplifier Power Supply AM-1634/TNH-2B, Top View.

SECTION II		(2)	(3)	(4)	(5)	(6)	(7)	(8)	
(1)	(1)								
ILLUSTRATION	ILLUSTRATION		NATIONAL	PART		DESCRIPTION		QTY	
(A)	(B)	SMR	STOCK	NUMBER	FSCM		USABLE ON CODE	INC	
FIG	ITEM	CODE	NUMBER	NUMBER			U/M	IN	
NO	NO							UNIT	
GROUP 01 AMPLIFIER POWER SUPPLY									
AM-1634/TNH-2B									
2	2	PAOZZ	5960-00-808-6490	5879	81349	ELECTRON TUBE		EA	3
2	7	PAOZZ	5960-00-188-8500	6C5	81349	ELECTRON TUBE		EA	2
2	8	PAOZZ	6240-00-155-8706	MS15571-2	96906	LAMP, INCANDESCENT		EA	2
2	10	PAOZZ	5960-00-295-7768	12T	92755	RETAINER, TUBE		EA	2
2	13	PAOZZ	5960-00-264-3004	TS103U02	81349	SHIELD, ELECTRN TUBE		EA	3
2	14	PAOZZ	5960-00-262-0163	6SN7WGTA	81349	ELECTRON TUBE		EA	2
2	20	PAOZZ	5960-00-273-2434	2HAT	92755	RETAINER, TUBE		EA	3
2	23	PAOZZ	5960-00-262-0218	5Y3WGTA	81349	ELECTRON TUBE		EA	1

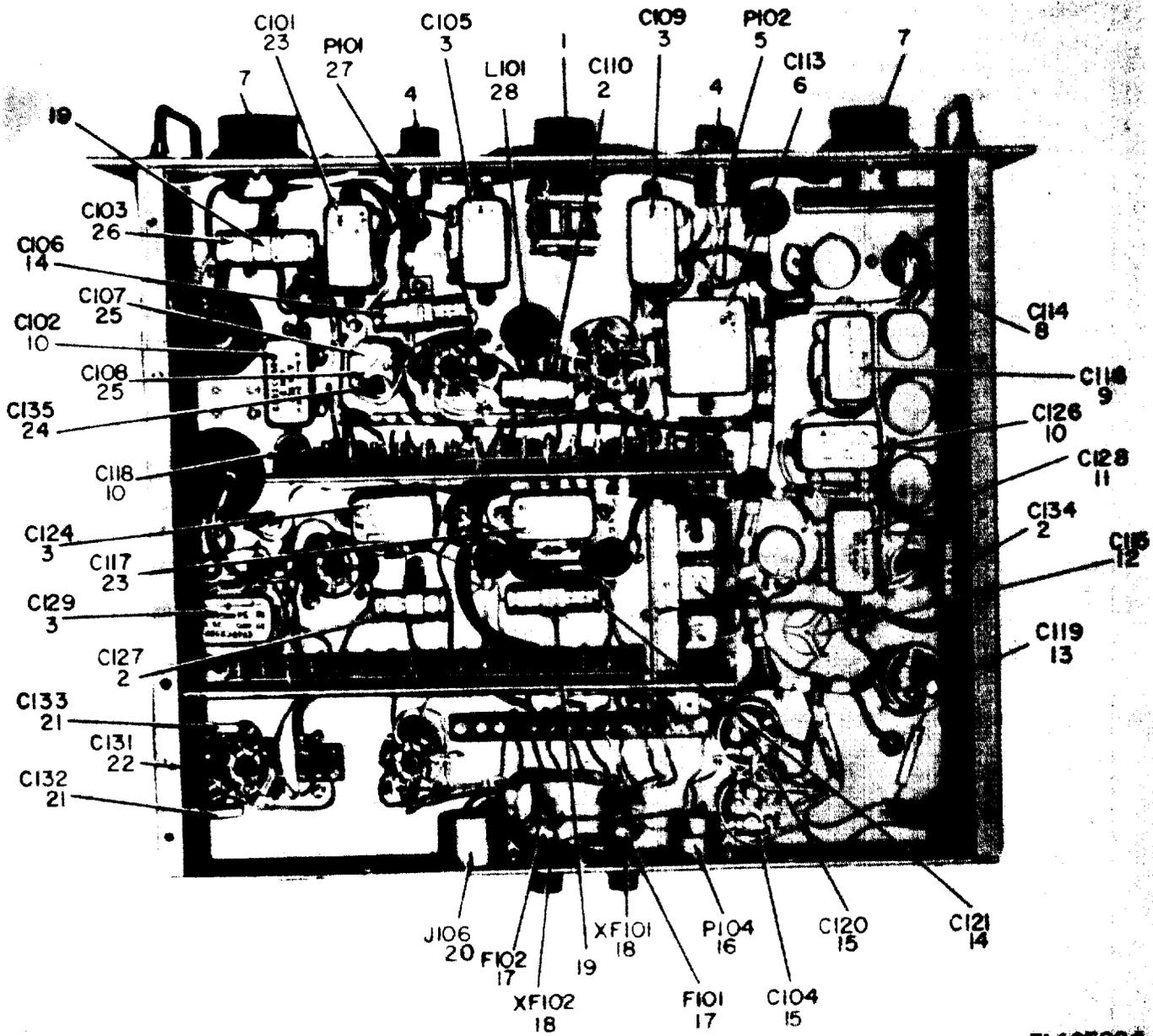
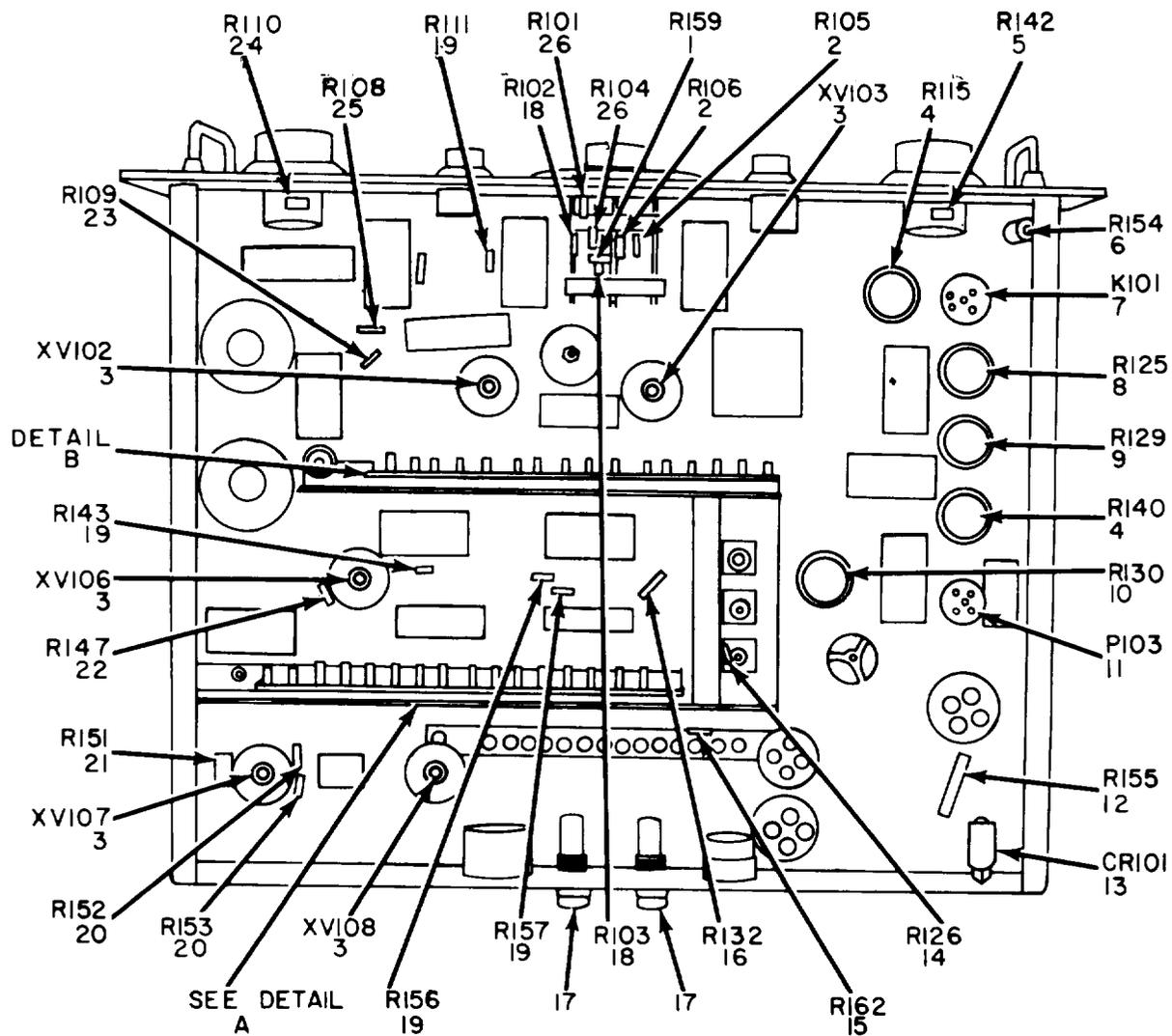


Figure 3. Amplifier Power Supply AM-1634/THN-2B, Bottom View, Resistors Not Shown.

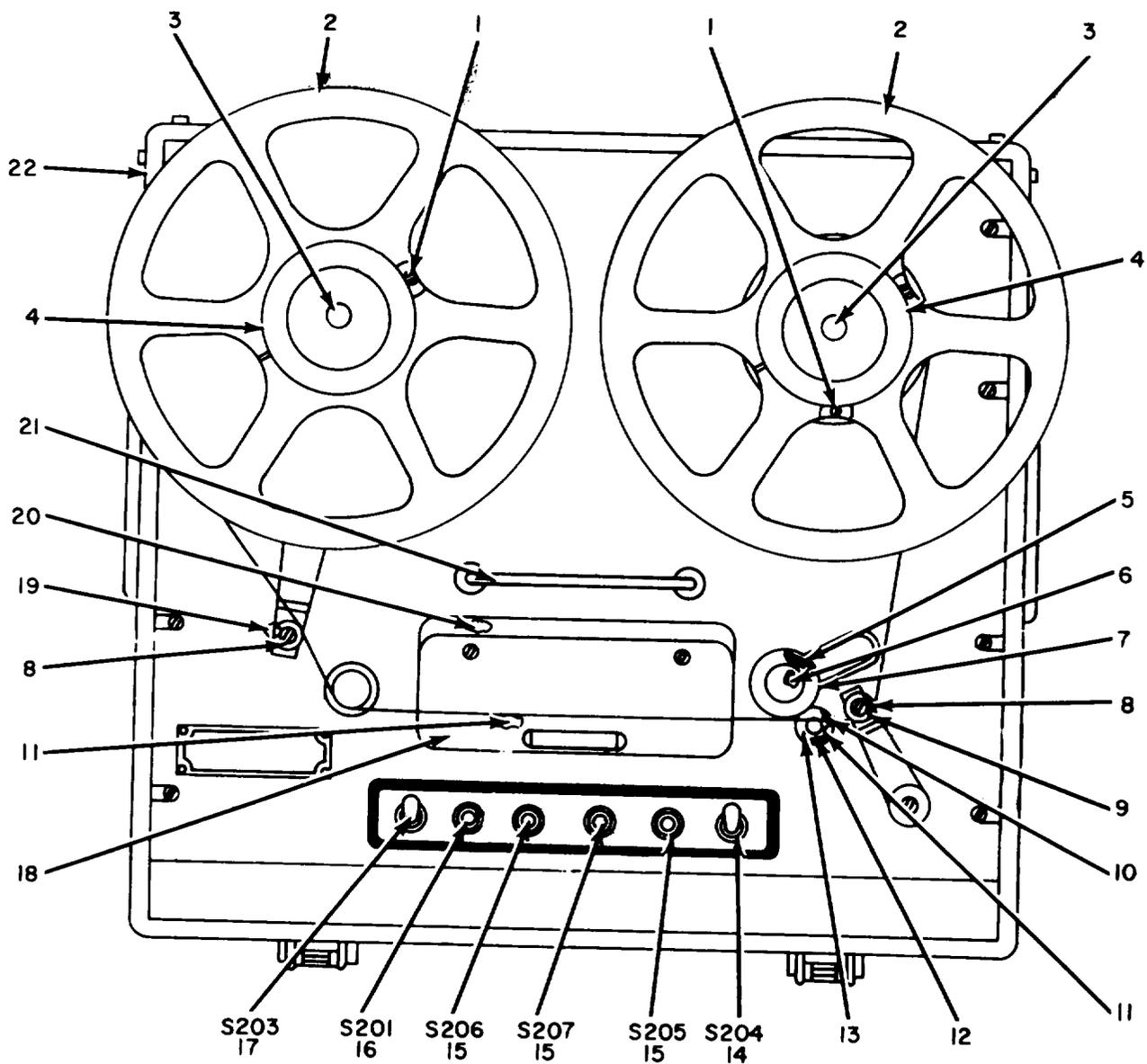
SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
FIG NO	(B) ITEM NO	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE U/M	QTY INC IN UNIT
3	1	PAOZZ	5355-00-668-9156	S653-3LBB	75376	KNOB	EA	1
3	4	PAOZZ	5355-00-668-4649	S648-3LBB	75376	KNOB	EA	2
3	7	PAOZZ	5355-00-668-4634	S649-3LBB	75376	KNOB	EA	2
3	17	PAOZZ	5920-00-296-1517	F03G3R00A	81349	FUSE, CARTRIDGE	EA	2



EL4CE005

Figure 4. Amplifier Power Supply AM-1634/TNH-2B, Bottom View, Capacitors Not Shown.

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	U/M	IN	
								UNIT	
4	17	PAOZZ	5999-00-244-5150	9435-1-2	71400	CAP,ELECTRICAL		EA	2



EL4CE008

Figure 5. Recorder-Reproducer Subassembly RD-149/TNH-2B, Top View.

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
FIG NO	(B) ITEM NO	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
GROUP 03 RECORDER-REPRODUCER SUB-ASSEMBLY								
RD149/TNH-2B								
5	1	PAOFF	5835-00-523-0715	SMB282980	80063	REEL ASSEMBLY	EA	2
5	22	PAOFF	5835-00-503-1638	CY-1831/TNH-2A	80058	CASE, SOUND RECORDER	EA	1

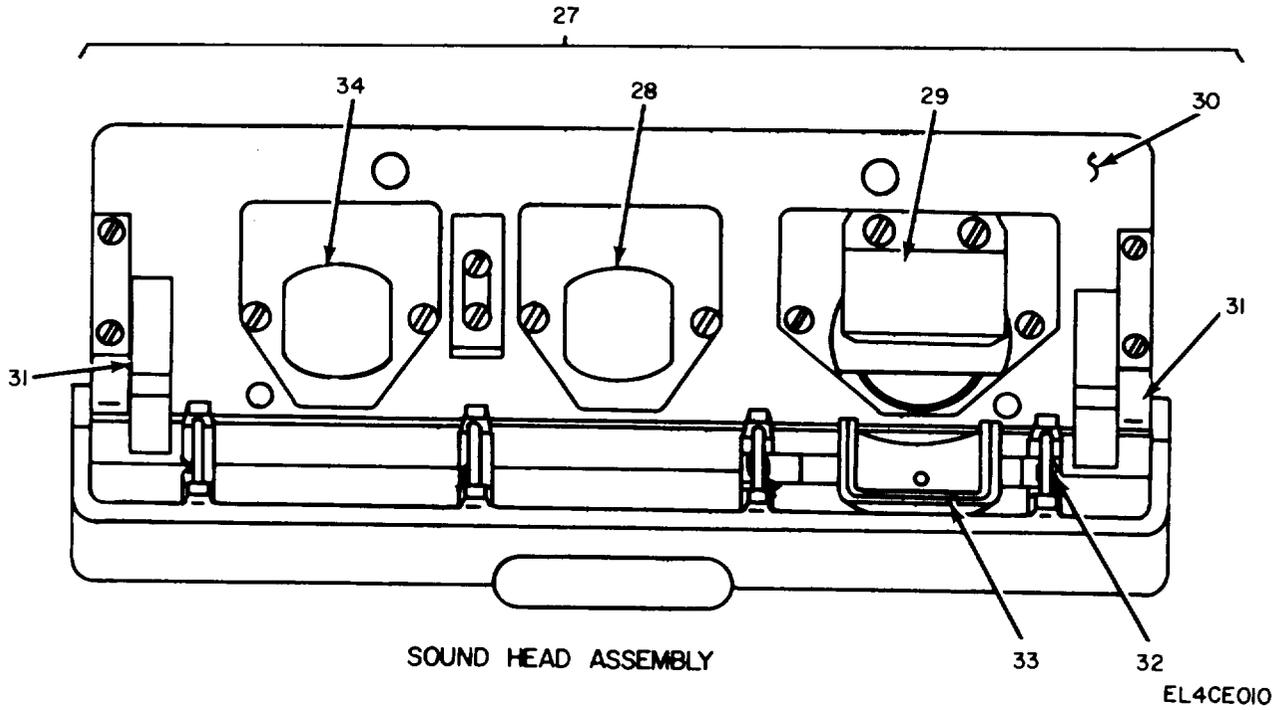
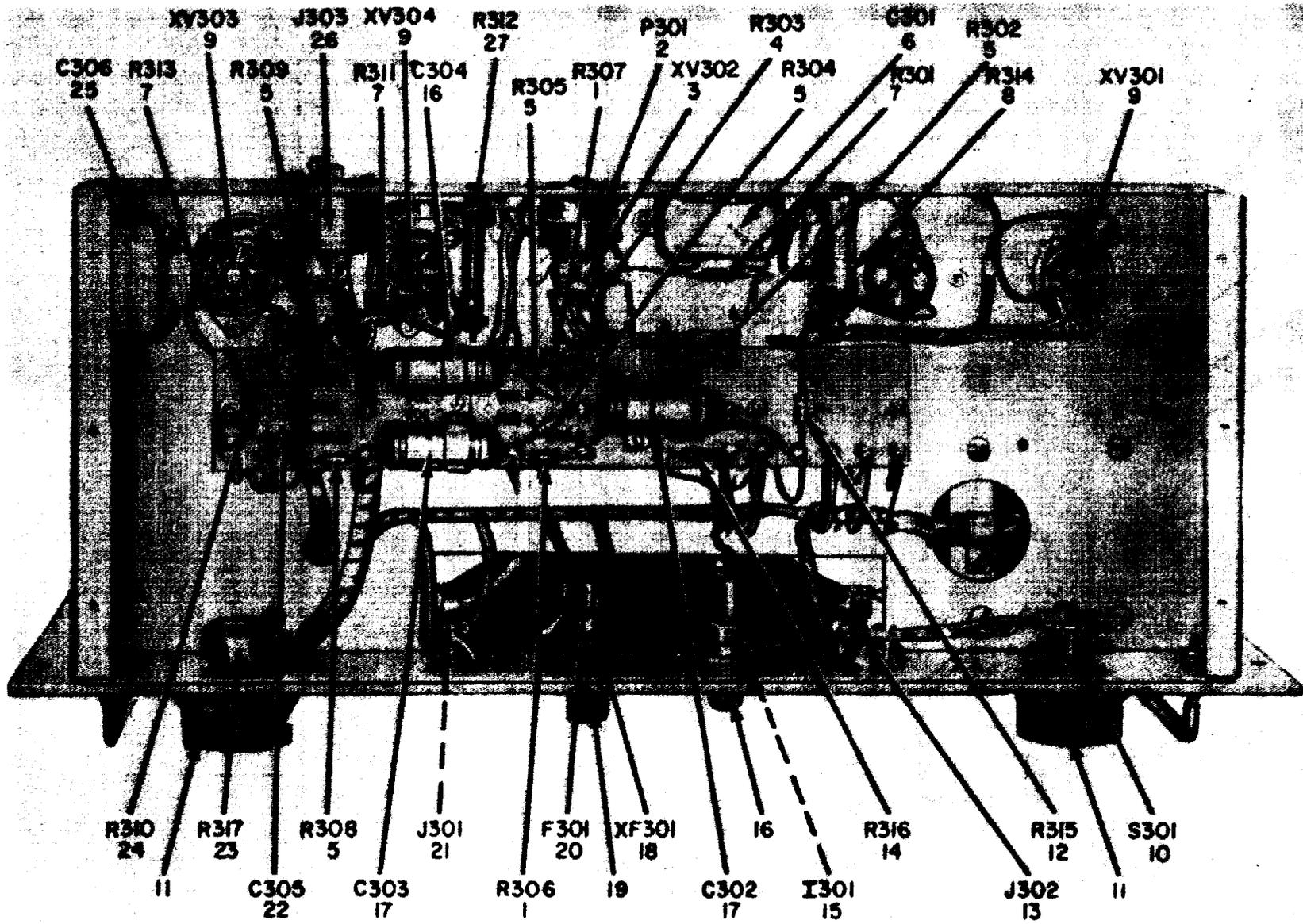


Figure 6. Recorder Reproducer Subassembly RD-149/TNH-2B, Bottom View.

SECTION II		(2)	(3)	(4)	(5)	(6)	(7)	(8)	
(1)									
ILLUSTRATION			NATIONAL			DESCRIPTION		QTY	
(A)	(B)	SMR	STOCK	PART				INC	
FIG	ITEM	CODE	NUMBER	NUMBER	FSCM		USABLE ON CODE	U/M	
NO	NO							UNIT	
6	31	PAOZZ	5835-00-523-0729	SMB282910	80063	GUIDE TAPE		EA	2



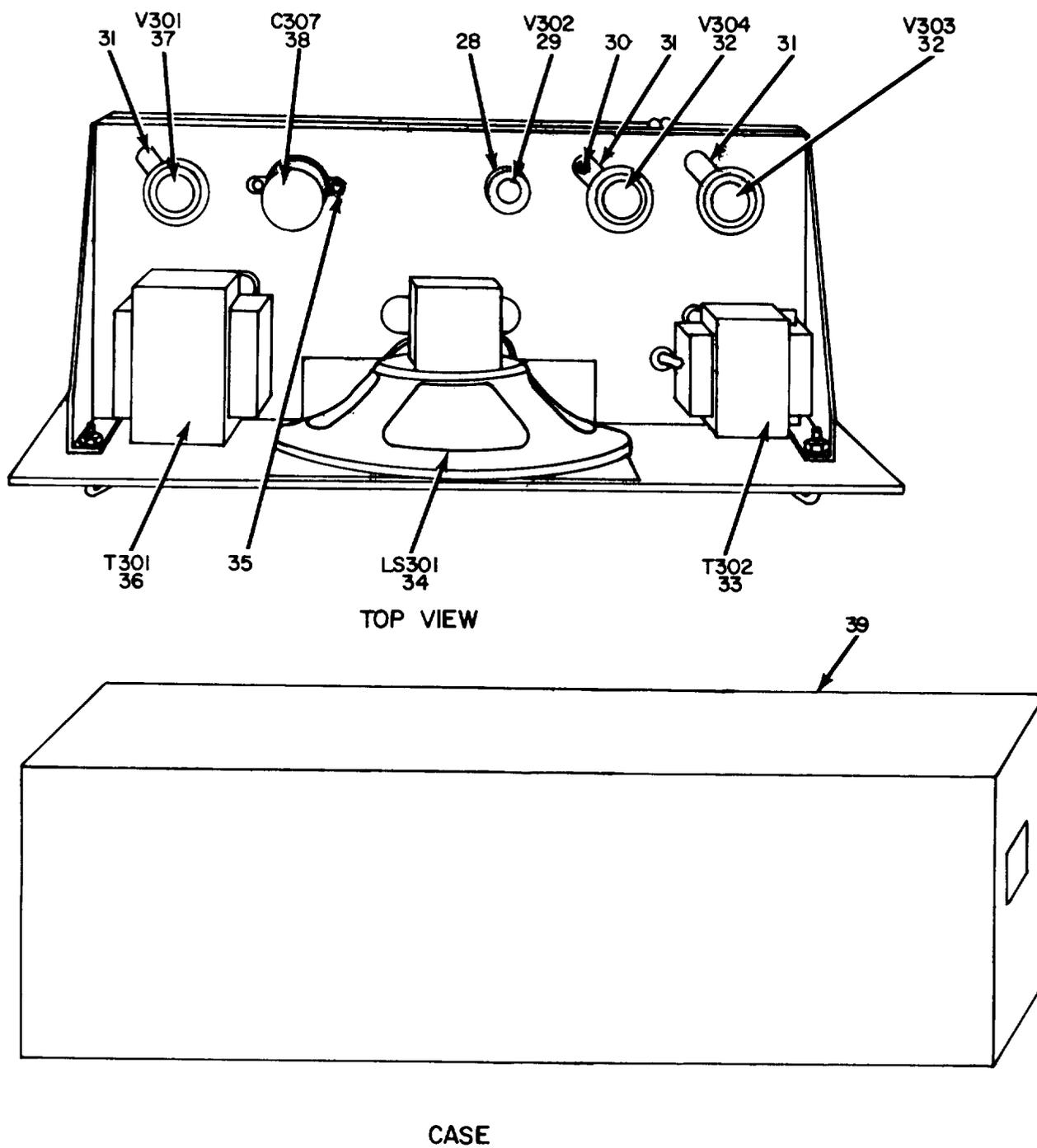
Figure 7. Audio Frequency Amplifier AM-1219/U (Sheet 1 of 2).



BOTTOM VIEW

EL4CE013

TM 11-5835-205-20P



EL4CE014

Figure 7. Audio Frequency Amplifier AM-1249/U (Sheet 2 of 2).

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
GROUP 04 AUDIO FREQUENCY AMPLIFIER AM-1249/U								
7	11	PAOZZ	5355-00-668-4649	5648-3LBB	75373	KNOB	EA	2
7	15	PAOZZ	6240-00-155-8706	MS15571-2	96906	LAMP, INCANDESCENT	EA	1
7	19	PAOZZ	5999-00-244-5150	9435-1-2	71400	CAP, ELECTRICAL	EA	1
7	20	PAOZZ	5920-00-296-1517	F03G3R00A	81349	FUSE, CARTRIDGE	EA	1
7	28	PAOZZ	5960-00-264-3004	TS103U02	81349	SHIELD, ELCTR N TUBE	EA	1
7	29	PAOZZ	5960-00-166-7664	12AX7	81349	ELECTRON TUBE	EA	1
7	31	PAOZZ	5960-00-273-2434	2HAT	92755	RETAINER, TUBE	EA	3
7	32	PAOZZ	5960-00-116-9927	6V6GTY	81349	ELECTRON TUBE	EA	2
7	37	PAOZZ	5960-00-262-0218	5Y3WGTA	81349	ELECTRON TUBE	EA	1
7	39	PAOFF	5835-00-503-1643	CY-1830/TNH-2A	80058	CASE, AMPLIFIER	EA	1

SECTION IV  
 NATIONAL STOCK NUMBER AND PART NUMBER INDEX  
 NOTE: LATEST NATIONAL END OF INDEX

TM11-5835-205-20P

STOCK NUMBER	FIGURE NO	ITEM NO	STOCK NUMBER	FIGURE NO	ITEM NO
5960-00-116-9927	7	32	5920-00-296-1517	3	17
6240-00-155-8706	2	8	5920-00-296-1517	7	20
6240-00-155-8706	7	15	5835-00-393-1983	1	11
5960-00-166-7664	7	29	5835-00-523-0715	5	1
5960-00-188-8500	2	7	5835-00-523-0729	6	31
5999-00-244-5150	4	17	5835-00-543-0282	1	4
5999-00-244-5150	7	19	5820-00-566-0668	1	9
5960-00-262-0163	2	14	5835-00-572-4499	1	10
5960-00-262-0218	7	37	5835-00-583-1296	1	5
5960-00-264-3004	2	13	5355-00-668-4634	3	7
5960-00-264-3004	7	28	5355-00-668-4649	3	4
5960-00-273-2434	2	20	5355-00-668-4649	7	11
5960-00-273-2434	7	31	5355-00-668-9156	3	1
			5960-00-808-6490	2	2

PART NUMBER	FSCM	FIG NO	ITEM NO	PART NUMBER	FSCM	FIG NO	ITEM NO
F03G3R00A	81349	3	17	TS4STD	02773	1	9
F03G3R00A	81349	7	20	12AX7	81349	7	29
MS15571-2	96906	2	8	12T	92755	2	10
				2HAT	92755	2	20
				2HAT	92755	7	31
SMB282910	80063	6	31	43-1-5	76381	1	11
SMB282980	80063	5	1	5648-3LBB	75373	7	11
SY3WGTA	81349	7	37	5879	81349	2	2
S648-3LBB	75376	3	4	6C5	81349	2	7
S649-3LBB	75376	3	7	6SN7WGTA	81349	2	14
S653-3LBB	75376	3	1	6V6GTY	81349	7	32
TS103U02	81349	2	13	9435-1-2	71400	4	17
TS103U02	81349	7	28	9435-1-2	71400	7	19

LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIGURE NO	ITEM NO	STOCK NUMBER	FIGURE NO	ITEM NO
5935-00-149-3628	1	7	5965-00-296-3117	1	12
5995-00-201-4438	1	6	5835-00-503-1638	5	22
5960-00-262-0218	2	23	5835-00-503-1643	7	39
5960-00-295-7768	2	10	5935-00-552-4490	1	8
5965-00-296-1607	1	13	5995-00-889-1304	1	14

LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIG NO	ITEM NO	PART NUMBER	FSCM	FIG NO	ITEM NO
CG-1368/U	80058	1	13	SMB143101	80063	1	7
CX-1208/U	80058	1	14	TATAFR250PA2500	81348	1	5
CX3322U	80058	1	6	UP120M	81349	1	8
CY-1830/TNH-2A	80058	7	39	101-2RETMA	82107	1	4
CY-1831/TNH-2A	80058	5	22	41-7-32S	76381	1	10
M-65/U	81134	1	12	5Y3WGTA	81349	2	23
MS15571-2	96906	7	15				



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TM 11-5840-340-12

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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		
		FO3	

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.

TEAR ALONG DOTTED LINE

TYPED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SSG I. M. DeSpirito 999-1776

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DATE

TITLE

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9 Jan 78

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.
----------	------------	------------	-----------

TEAR ALONG DOTTED LINE

TYPED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

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