
TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS
FOR

MULTIPLEXER TD-754/G
(NSN 5820-00-930-8078)

HEADQUARTERS, DEPARTMENT OF THE ARMY

MAY 1978

TECHNICAL MANUAL }
No. 11-5805-383-20P }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 25 May 1978

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS
FOR
MULTIPLEXER TD-754/G
(NSN 5820-00-930-8078)

Current as of 3 January 1978

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.

If there are no blank DA Forms 2028-2 (Test) in the back of your manual, use the standard DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forward to the Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-MA-Q, Fort Monmouth, New Jersey 07703.

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

Table of Contents

	Page	Illus Figure
SECTION I. Introduction	1	
II. Repair parts list	5	
Group 00 Multiplexer TD-754/G	5	1-3
01 Power supply assembly (12A1)	11	4
0101 Panel assembly (12A1A1) (No parts authorized)		
0102 Panel assembly (12A1A2) (No parts authorized)		
0103 Heat sink assembly (12A1A3) (no parts authorized)		
02 Panel assembly (12A2) (No parts authorized)		
03 Panel assembly (12A3) (No parts authorized)		
04 Panel assembly (12A4) (No parts authorized)		
05 Panel assembly (12A5) (No parts authorized)		
06 Panel assembly (12A6) (No parts authorized)		
07 Panel assembly (12A7) (No parts authorized)		
08 Filter assembly (12A8) (No parts authorized)		
09 Filter assembly (12A9) (No parts authorized)		
SECTION III. Special tools list (Not applicable)		
IV. National stock number and part number index	12	

*This manual supersedes so much of TM 11-5805-383-12, 3 May 1971, including Change 1, 8 October 1975 and Change 2, 30 September 1976, as pertains to repair parts and special tools list.

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 TD-754/G. 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 Tool 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.

<i>Code</i>	<i>Definition</i>
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.

(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.
D	The lowest maintenance level capable of complete repair of the support item is the depot 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:

<i>Recoverability codes</i>	<i>Definition</i>
Z	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.

codes

F - Repairable item. When uneconomically repairable, condemn and dispose the direct support level.

D - Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot 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 TD-754/G and its components:

TM 11-5805-383-12, Multiplexer TD-754/G

b. The illustrations in this manual are identical to those published in TM 11-5805-383-34P. 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.

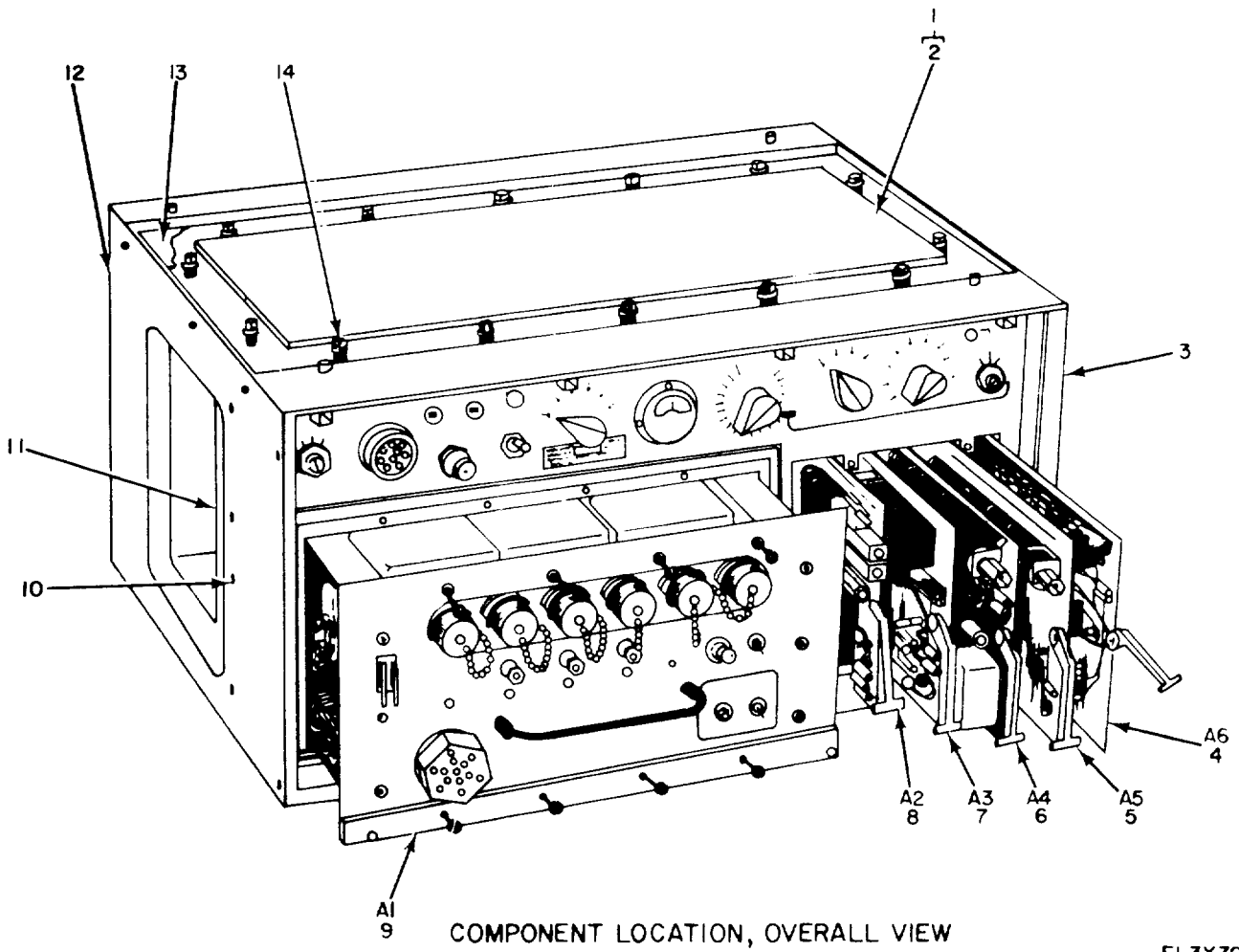
(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

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

6. Abbreviations

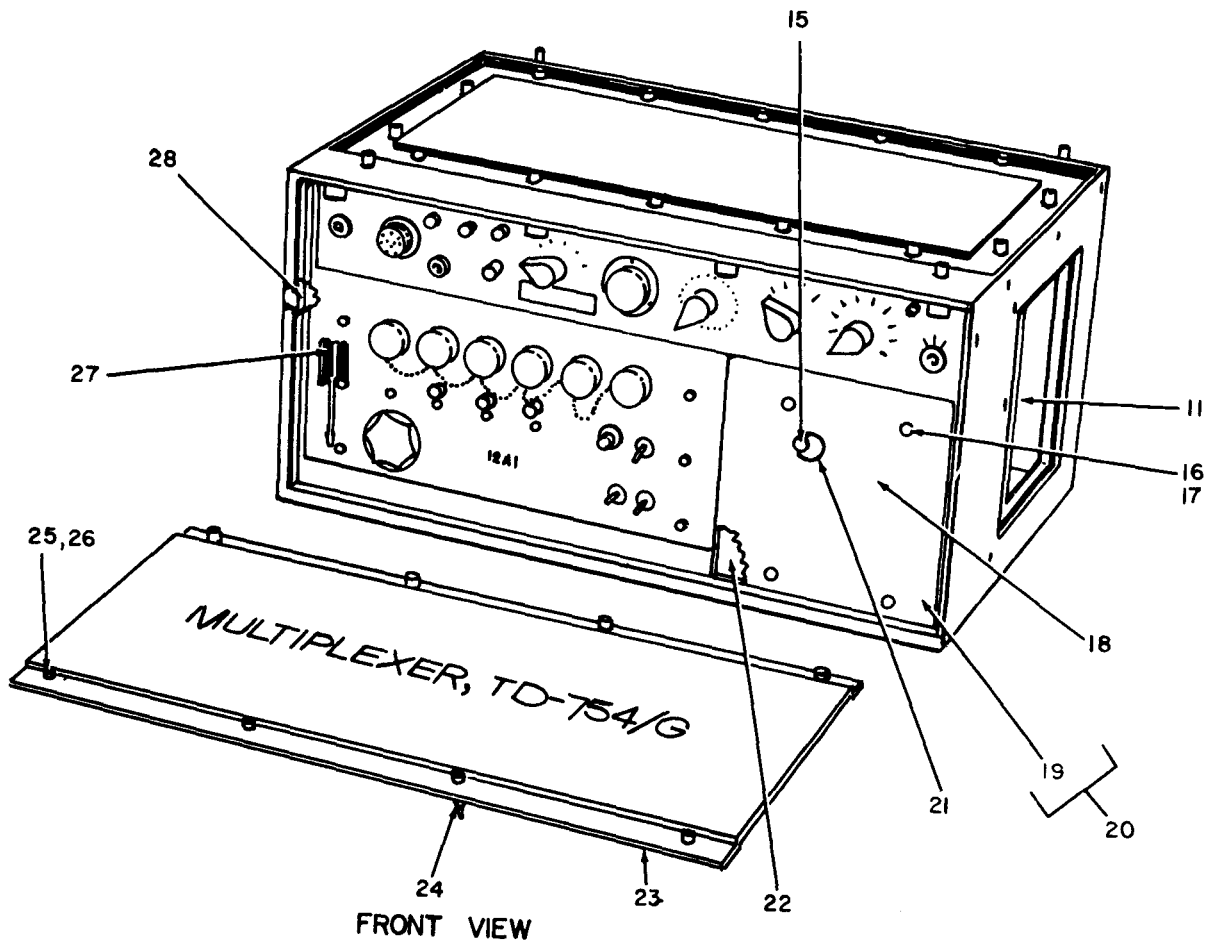
Not applicable.

(Next printed page is 4.1)



EL3YZ001

Figure 1. Multiplexer TD-754/G (Sheet 1 of 2).



EL3YZ002

Figure 1. Multiplexer TD-754/G (Sheet 2 of 2).

SECTION II

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
ILLUSTRATION							QTY	
(a)	(b)	NATIONAL			DESCRIPTION		INC	
FIG	ITEM	SMR	STOCK	PART			IN	
NO.	NO.	CODE	NUMBER	NUMBER	FSCM	USABLE ON CODE	U\M	UNIT
GROUP 00 MULTIPLEXER TD-754/G								
1	4	PAODD	5820-00-137-2333	SME525434	80063	PANEL ASSEMBLY	EA 1	
1	5	PAODD	5820-00-137-2329	SME525431	80063	PANEL ASSEMBLY	EA 1	
1	6	PAODD	5820-00-137-2331	SME525428	80063	PANEL ASSEMBLY	EA 1	
1	7	PAODD	5820-00-137-2330	SME525425	80063	PANEL ASSEMBLY	EA 1	
1	8	PAODD	5805-00-503-5647	SME525422	80063	PANEL ASSEMBLY	EA 1	
1	9	PAOFF	5820-00-163-4934	SMD525501	80063	POWER SUPPLY ASSEMBLY	EA 1	
1	16	PAOZZ	5330-00-159-3264	SMB528555-2	80063	WASHER, SEALING	EA 4	
1	17	XDOZZ		SMB528627-1	80063	SCREW, MACHINE	EA 4	
1	20	PAOZZ	5805-00-134-8406	SMD603929	80063	COVER ASSEMBLY, CARD CELL	EA 1	

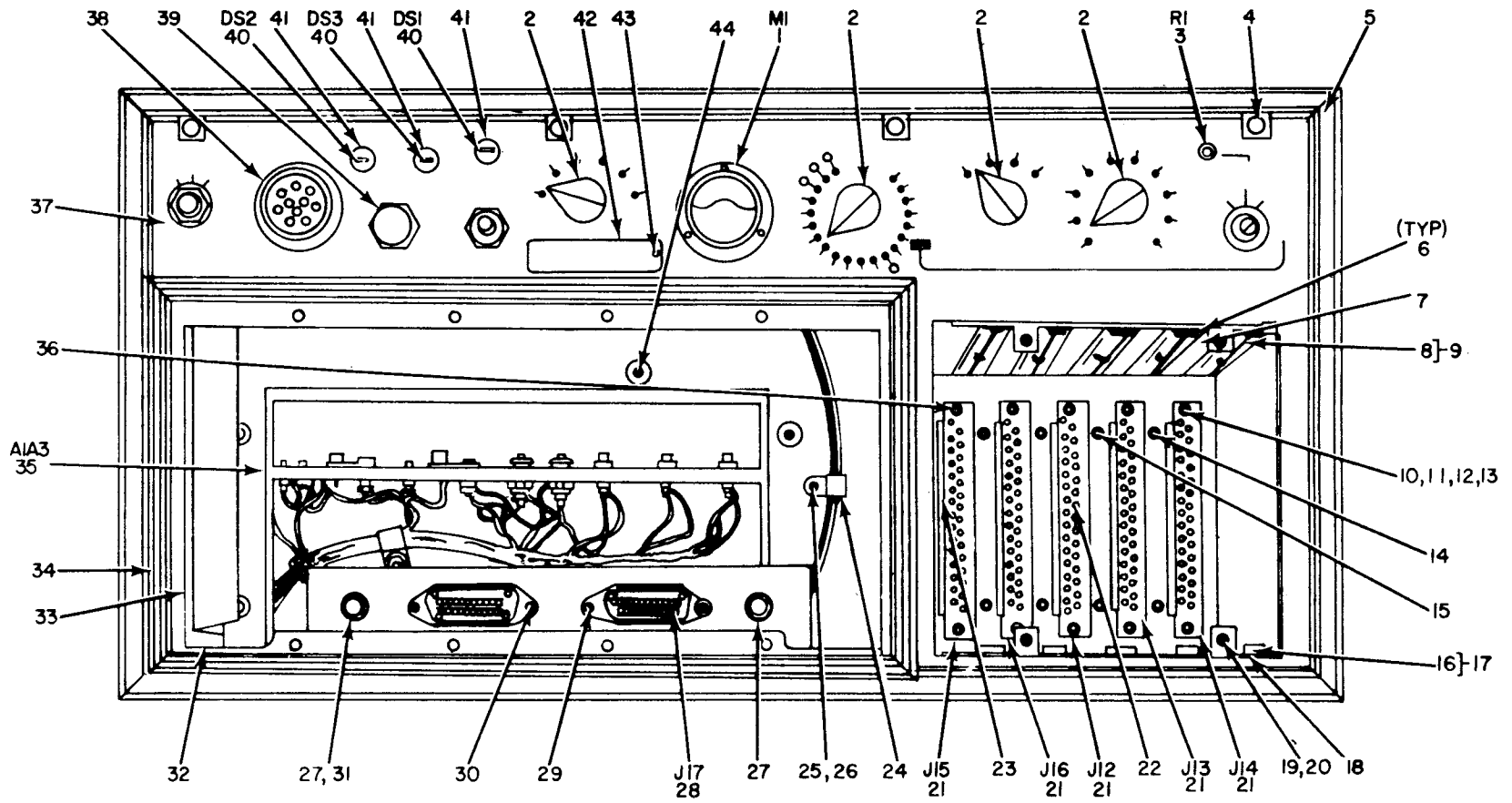


Figure 2. Multiplexer TD-754/G, Interior View.

EL3YZ003

SECTION II

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
ILLUSTRATION							QTY	
(a)	(b)		NATIONAL		DESCRIPTION		INC	
FIG	ITEM	SMR	STOCK	PART			IN	
NO.	NO.	CODE	NUMBER	NUMBER	FSCM	USABLE ON CODE	U\M	UNIT
2	2	PAOZZ	5355-00-881-0722	MS91528-1K4B	96906	KNOB, CONTROL	EA	4
2	40	PAOZZ	6240-00-155-7836	MS25237-327	96906	LAMP, INCANDESCENT	EA	3
2	41	PAOZZ	6210-00-231-0613	LC27RN2	81349	LENS RED	EA	3

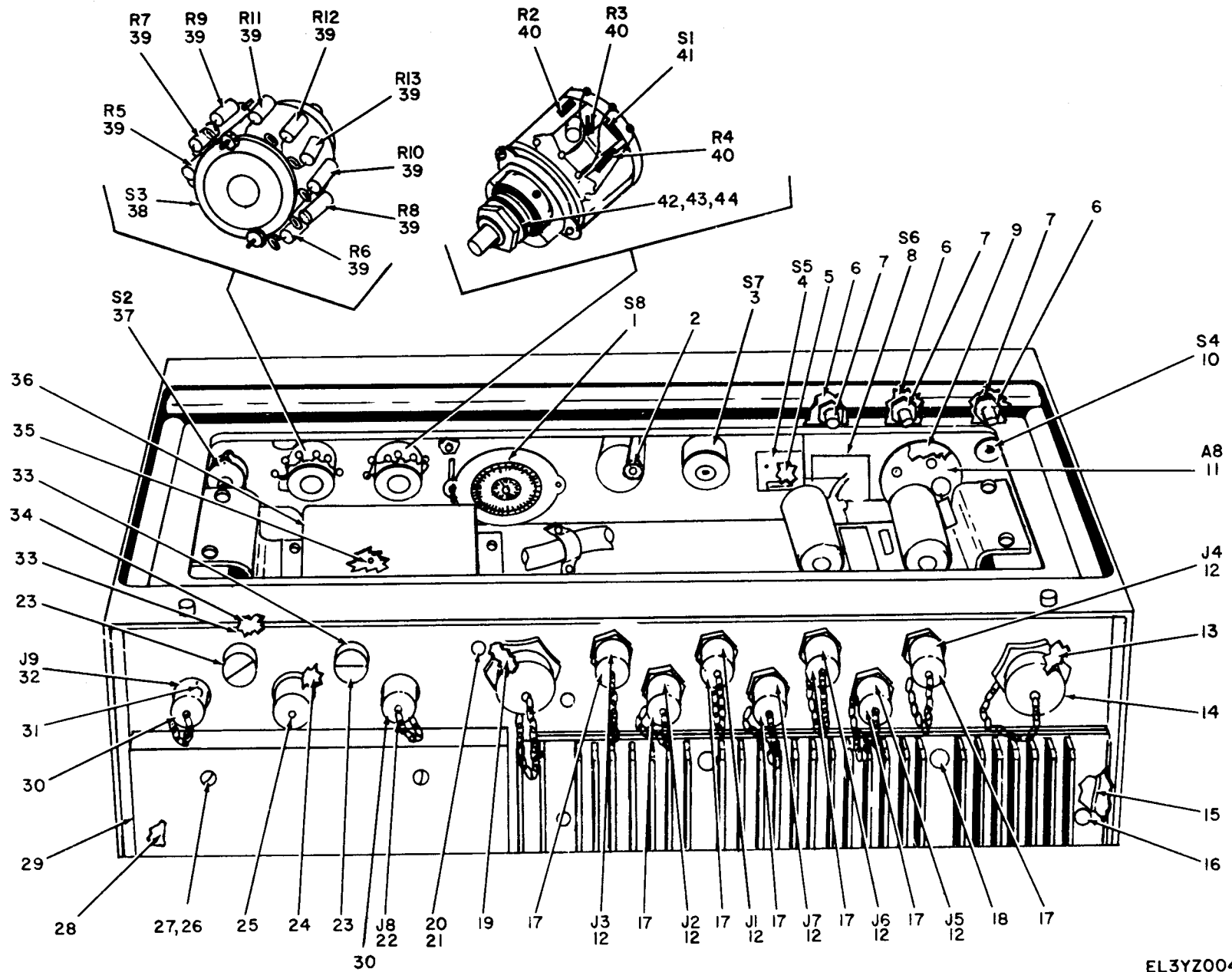
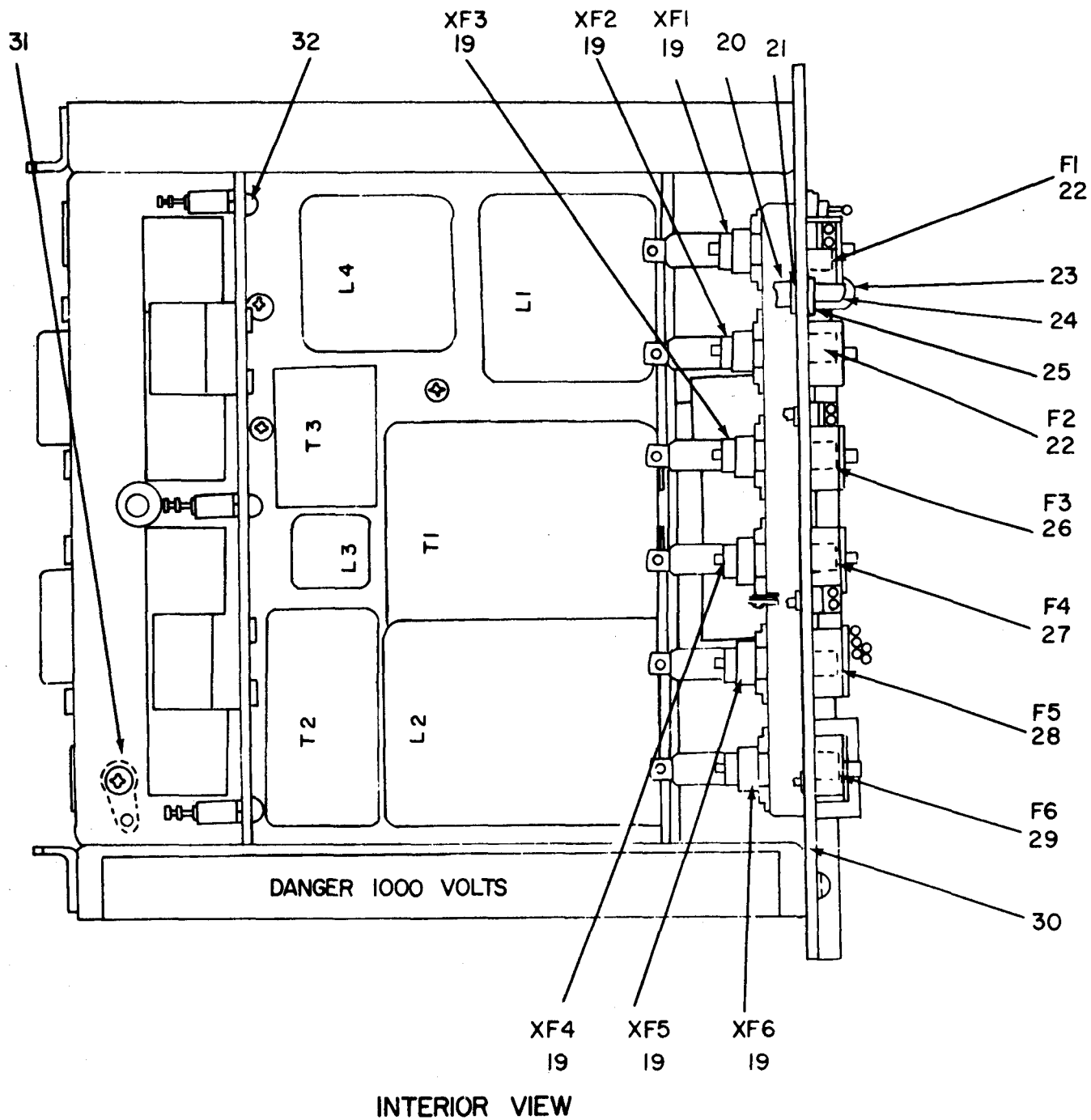


Figure 3. Multiplexer TD-754/G, Component Location, Rear View.

EL3YZ004

SECTION II

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
ILLUSTRATION							QTY	
(a)	(b)	NATIONAL			DESCRIPTION		INC	
FIG	ITEM	SMR	STOCK	PART			IN	
NO.	NO.	CODE	NUMBER	NUMBER	FSCM	USABLE ON CODE	U\M	UNIT
3	23	PAOZZ	5920-00-999-7324	SMB530036	80063	CAP ARRESTOR	EA	2
3	30	PAOZZ	5935-00-499-7229	SMB604072	80063	COVER,CONNECTOR	EA	2



EL3YZ009

Figure 4. Power Supply Assembly, Front Panel.

SECTION II		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(1)	ILLUSTRATION		NATIONAL	PART		DESCRIPTION		QTY
FIG	ITEM	SMR	STOCK	NUMBER	FSCM		USABLE ON CODE	INC
NO.	NO.	CODE	NUMBER	NUMBER				IN
								UNIT
GROUP 01 POWER SUPPLY ASSEMBLY 12A1								
4	22	PAOZZ	5920-00-284-9220	F02B250V1A	81349	FUSE, SLOW BLOW		EA 2
4	23	PAOZZ	6210-00-451-8323	LC28YN2	81349	LENS, YELLOW		EA 1
4	24	PAOZZ	6240-00-892-4420	MS25252C7A	96906	LAMP, NEON		EA 1
4	26	PAOZZ	5920-00-043-2641	F02A250V1-4A	81349	FUSE		EA 1
4	27	PAOZZ	5920-00-280-8344	F02A250V1-2A	81349	FUSE		EA 1
4	28	PAOZZ	5920-00-280-8342	F02A250V1A	81349	FUSE		EA 1
4	29	PAOZZ	5920-00-280-4960	F02A250V2A	81349	FUSE		EA 1

SECTION IV

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5920-00-043-2641	4	26	5920-00-280-8342	4	28
			5920-00-280-8344	4	27
5820-00-137-2329	1	5	5920-00-284-9220	4	22
5820-00-137-2330	1	7	6210-00-451-8323	4	23
5820-00-137-2331	1	6	5935-00-499-7229	3	30
5820-00-137-2333	1	4	5805-00-503-5647	1	8
6240-00-155-7836	2	40	5355-00-881-0722	2	2
5820-00-163-4934	1	9	6240-00-892-4420	4	24
6210-00-231-0613	2	41	5920-00-999-7324	3	23
5920-00-280-4960	4	29			

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

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
F02A250V1-2A	81349	4	27	SMB530036	80063	3	23
F02A250V1-4A	81349	4	26	SMB604072	80063	3	30
F02A250V1A	81349	4	28	SMD525501	80063	1	9
F02A250V2A	81349	4	29				
F02B250V1A	81349	4	22	SME525422	80063	1	8
LC27RN2	81349	2	41	SME525425	80063	1	7
LC28YN2	81349	4	23	SME525428	80063	1	6
MS25237-327	96906	2	40	SME525431	80063	1	5
MS25252C7A	96906	4	24	SME525434	80063	1	4
MS91528-1K4B	96906	2	2				

LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIGURE NO.	ITEM NO.
5805-00-134-8406	1	20
5330-00-159-3264	1	16

LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
SMB528555-2	80063	1	16
SMB528627-1	80063	1	17
SMD603929	80063	1	20

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL MANUALS



SOMETHING WRONG WITH THIS MANUAL?

THEN...JOT DOWN THE DOPE ABOUT IT ON THIS FORM, TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

FROM: (YOUR UNIT'S COMPLETE ADDRESS)

Commander
Stateside Army Depot
ATTN: AMSTA-US
Stateside, N.J. 07703

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

PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.
----------	------------	------------	-----------

2-25	2-28		
3-10	3-3	3-1	
5-6	5-8		

FO3

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. DeSpirito 999-1776

SIGN HERE:

SSG I. M. DeSpirito

DA FORM 2028-2 (TEST)

1 AUG 74

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR MANUAL "FIND" MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

HISA 1686-75

TEAR ALONG DOTTED LINE

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL MANUALS



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM, TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS MANUAL?

FROM: (YOUR UNIT'S COMPLETE ADDRESS)

DATE

PUBLICATION NUMBER

TM 11-5805-383-30P

DATE

25 May 78

TITLE

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

SIGN HERE:

FILL IN YOUR
UNIT'S ADDRESS



FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS

Commander
US Army Communications and
Electronics Materiel Readiness Command
ATTN: DRSEL-MA-Q
Fort Monmouth, New Jersey 07703

FOLD BACK

TEAR ALONG DOTTED LINE

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL MANUALS



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM, TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS MANUAL?

FROM: (YOUR UNIT'S COMPLETE ADDRESS)

DATE

PUBLICATION NUMBER

TM 11-5805-383-20P

DATE

25 May 78

TITLE

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

SIGN HERE:

DA FORM 1 AUG 74 2028-2 (TEST)

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR MANUAL "FIND," MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

FILL IN YOUR
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS

Commander
US Army Communications and
Electronics Materiel Readiness Command
ATTN: DRSEL-MA-Q
Fort Monmouth, New Jersey 07703

FOLD BACK

TEAR ALONG DOTTED LINE

FILL IN YOUR
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS

Commander
US Army Communications and
Electronics Materiel Readiness Command
ATTN: DRSEL-MA-Q
Fort Monmouth, New Jersey 07703

FOLD BACK

TEAR ALONG DOTTED LINE

By Order of the Secretary of the Army:

BERNARD W. ROGERS
General, United States Army
Chief of Staff

Official:

J. C. PENNINGTON
Brigadier General, United States Army
The Adjutant General

Distribution:

Active Army:

USAINSCOM (2)	USAES (2)
COE (1)	AD (1) except
TSG (1)	SAAD (30)
USAARENBD (1)	LBAD (14)
DARCOM (1)	TOAD (14)
TECOM (2)	SHAD (3)
USACC (4)	USA Dep (1)
TRADOC (2)	Sig Sec USA Dep (1)
OS Maj Comd (4)	MAAG (1)
MDW (1)	USARMIS (1)
Armies (2)	USAERDAA (1)
Corps (2)	USAERDAW (1)
Fort Gillem (10)	Units org under fol TOE: -1 ea. UNOINDC
Fort Gordon (10)	11-35
Fort Huachuca (10)	11-36
Fort Carson (5)	11-39
HISA (Ft Monmouth) (33)	11-85
Ft Richardson (CERCOM Ofc) (2)	11-86
Svc Colleges (1)	11-87
USASIGS (5)	11-500(AA-AC)
USAICS (3)	29-15
USAADS (2)	29-134
USAFAS (2)	29-136
USAARMS (2)	29-207 (2)
USAIS (2)	29-610 (2)

ARNG & USAR: None

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

PIN: 033796-000