

TECHNICAL MANUAL

**ORGANIZATIONAL MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LISTS
FOR
MULTIPLEXER TD 976/G (NSN 7025-01-048-9678)
AND
PULSE FORM RESTORER TD-982/G
(NSN 7025-01-061-1254)**

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

21 JANUARY 1980



**ORGANIZATIONAL MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LISTS
FOR
MULTIPLEXER TD-976/G (NSN 7025-01-048-9678)
AND PULSE FORM RESTORER TD-982/G (NSN 7025-01-061-1254)**

Current as of 6 September 1979

REPORTING ERRORS AND RECOMMENDED 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 and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703.

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

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SECTION I INTRODUCTION

1. Scope

This manual lists spares and repair special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational maintenance of the TD-976/G and TD-982/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 for Multiplexer TD-9761G and Section I'. Repair Parts List for Pulse Form Restorer TD-982/G.* 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 for Multiplexer TD-976/G (Not applicable) and Section VI. Special Tools List for Pulse Form Restorer TD-982/G.* A list of special tools, special TMDE, and other special support equipment authorized for the performance of maintenance.

c. *Section IV. National Stock Number and Part Number Index for Multiplexer TD-976/G and Section VII. National Stock Number and Part Number Index for Pulse Form Restorer TD-982/G.* A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list, in alphanumeric 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.
PE	—Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
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:

Code	Application/Explanation
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:
	(Code Application/Explanation)
F	—The lowest maintenance level capable of complete repair of the support item is the direct support level.
H	—The lowest maintenance level capable of complete repair of the support item is the general 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:

Recoverability codes

Definition

- Z —Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
- D —Reparable item. When beyond lower level repair capability, return to depot. Condemnation —and disposal not authorized below depot level.
- L —Reparable item. Repair, condemnation, and disposal not authorized below depot/specialized repair activity 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. In the Special Tools List, the initial basis of issue (BOI) appears as the last line in the entry for each special tool, special TMDE, and other special support equipment. When density of equipments supported exceeds density spread indicated in the basis of issue, the total authorization is increased accordingly.

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 TD-976/G and TD-982/G and its components: TM 11-7025-202-12, Multiplexer TD-976/G and Pulse Form Restorer TD-982/G.

b. The illustrations in this manual are identical to those published in TM 11-7025-202-34P. 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.

c. 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 and Electronics Materiel Readiness Command, ATTN: DRSEL-MM, Fort Monmouth, NJ 07703 for the part required to support your equipment.

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 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 alphanumeric 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)

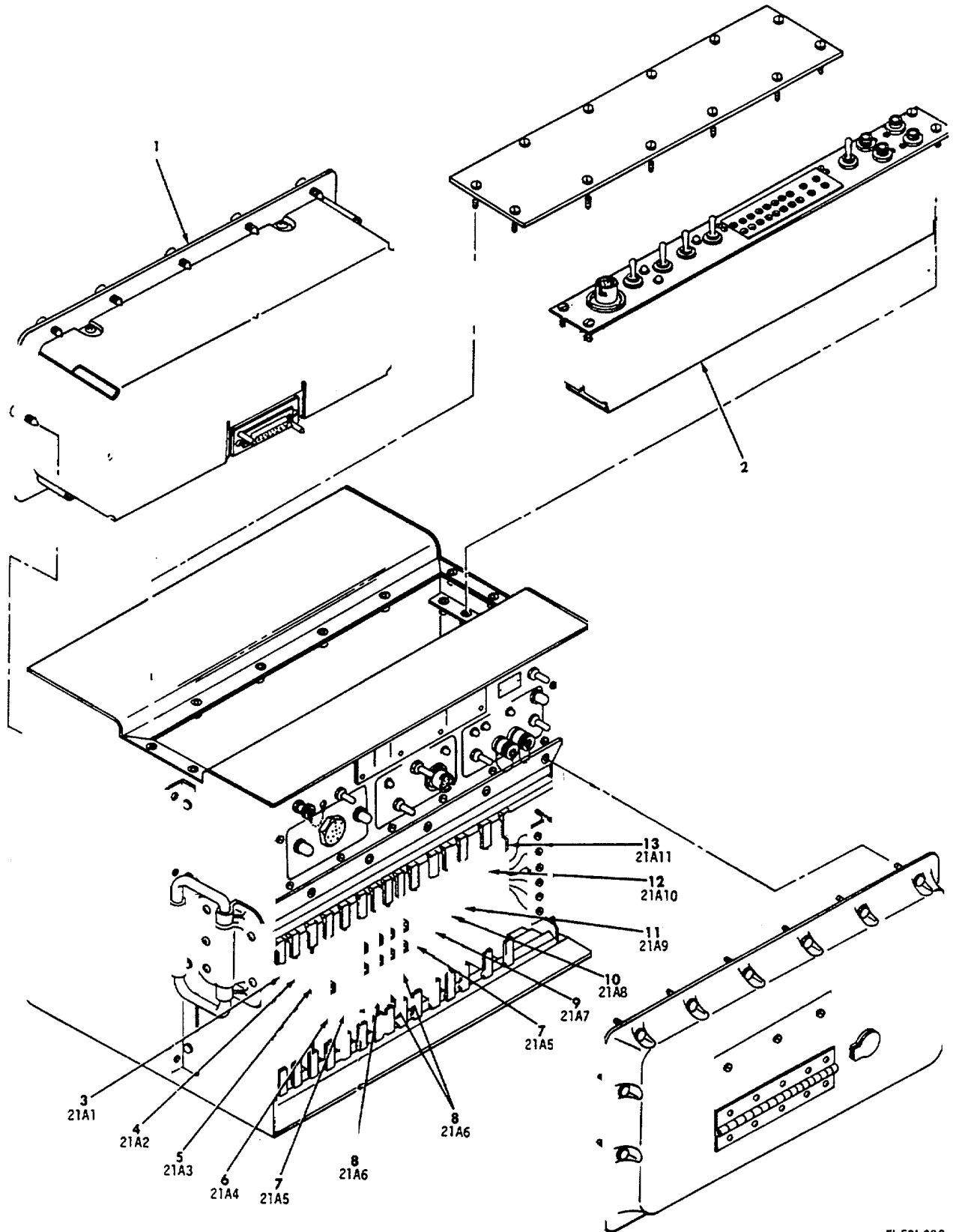


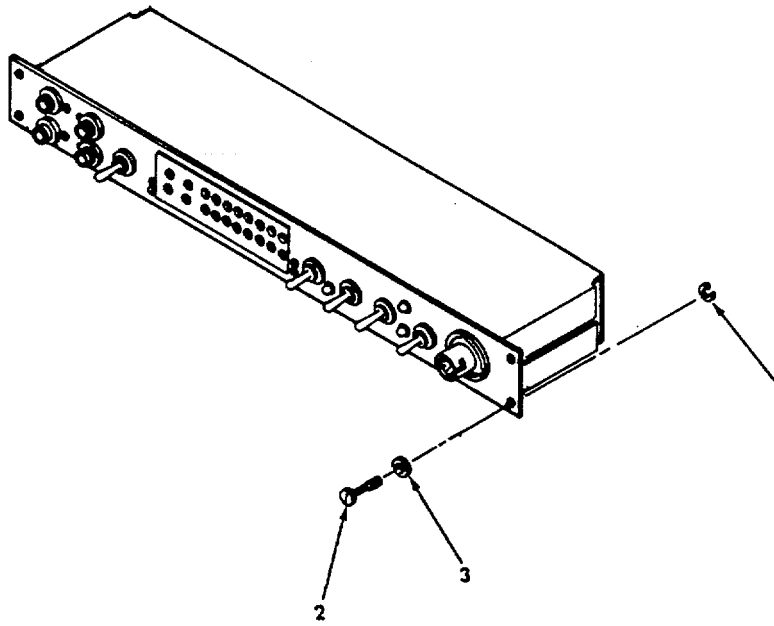
Figure 1. Multiplexer TD-976/G.

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SECTION II

TM 11-7025-202-20P

(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
GROUP 00 MULTIPLEXER TD-976/G								
1	1	PAOHD		SM-D-941800	80063	POWER SUPPLY ASSY 21A12	EA	1
1	2	PAOFD		SM-D-941650	80063	REMOTE ACCESS UNIT 21A15	EA	1
1	3	PAODL		SM-D-941905	80063	CIRCUIT CARD ASSY, ALARM DETECTOR 21A1	EA	1
1	4	PAODL		SM-D-941910	80063	CIRCUIT CARD ASSY, GROUP TRAFFIC MONITOR 21A2	EA	1
1	5	PAODL		SM-D-941900	80063	CIRCUIT CARD ASSY, DIGITAL DATA ORDERWIRE ENCODER 21A3	EA	1
1	6	PAODL		SM-D-941915	80063	CIRCUITCARD ASSY, MASTER OSCILLATOR /COMBINER 21A4	EA	1
1	7	PAODL		SM-D-941920	80063	CIRCUITCARD ASSY, TIMING AND CONTROL 21A5	EA	2
1	8	PAODL		SM-D-941925	80063	CIRCUITCARD ASSY ,DUAL CROUP PROCESSOR 21A6	EA	4
1	9	PAODL		SM-D-941930	80063	CIRCUITCARD ASSY, FRAME SYNC 21A7	EA	1
1	10	PAODL		SM-D-941935	80063	CIRCUITCARD ASSY DIGITAL DATA ORDERWIRE DECODER 21A8	EA	1
1	11	PAODL		SM-D-941940	80063	CIRCUITCARD ASSY ,SUPER CROUP DRIVER/RECEIVER 21A9	EA	1
1	12	PAODL		SM-D-941945	80063	CIRCUITCARD ASSY ,ANALOG VOICE ORDERWIRE 21A10	EA	1
1	13	PAODL		SM-D-941950	80063	CIRCUIT CARD ASSY,DIGITALVOICE ORDERWIRE 21A11	EA	1

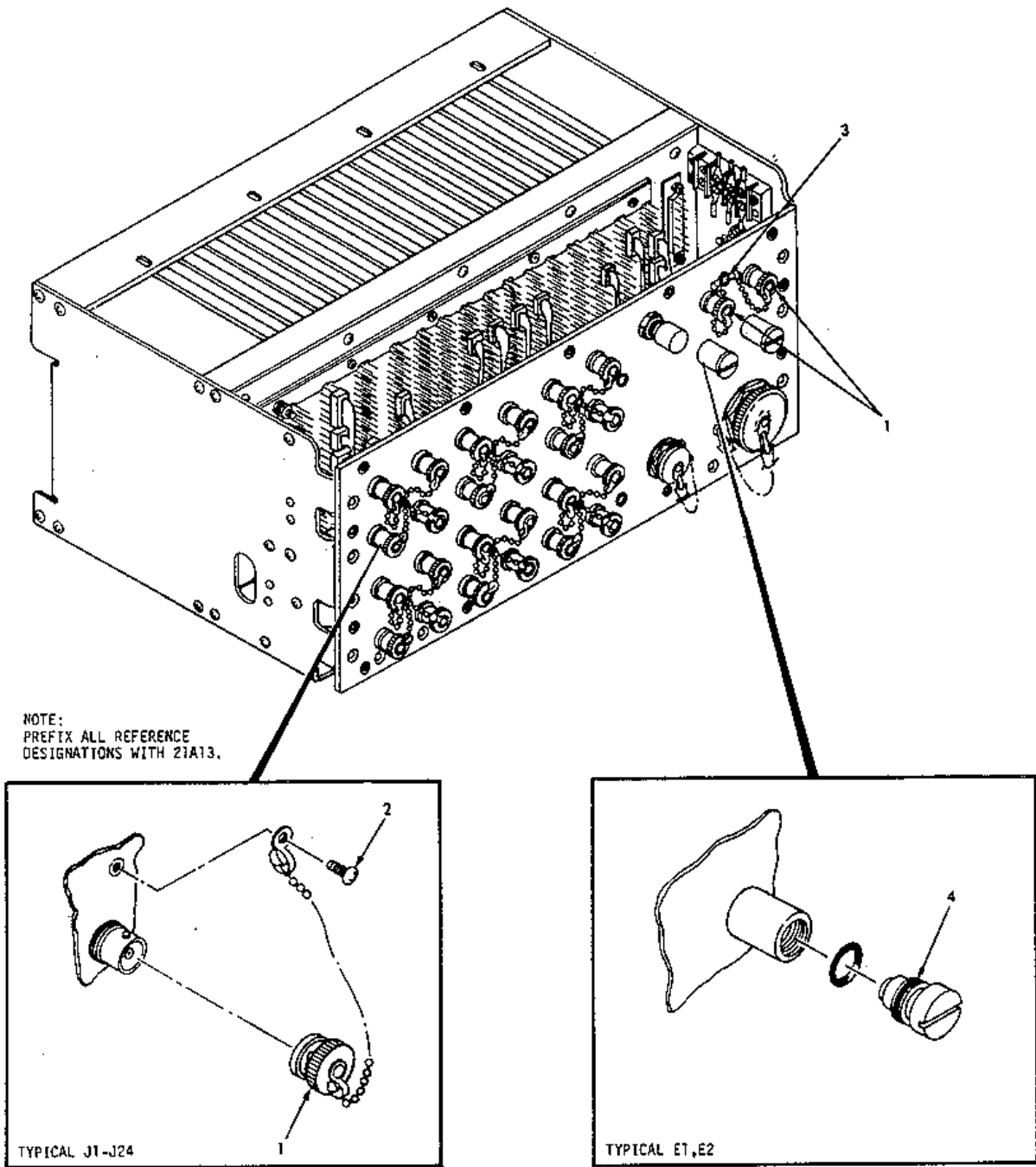


EL5CL003

Figure 2. Remote access unit 21A15.

Section II

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION <i>USABLE ON CODE</i>	U/M	QTY INC IN UNIT
						GROUP 01 REMOTE ACCESS UNIT 21A15		
2	1	PAOZZ	5365-00-115-6848	Y166	72794	RING, RETAINING.....	EA	4
2	2	XDOZZ		S M- C-94165	80063	SCREW EXT BODY.....	EA	4
2	3	PAOZZ	5310-00-685-3744	AN96OC8	88044	WASHER, FLAT.....	EA	4



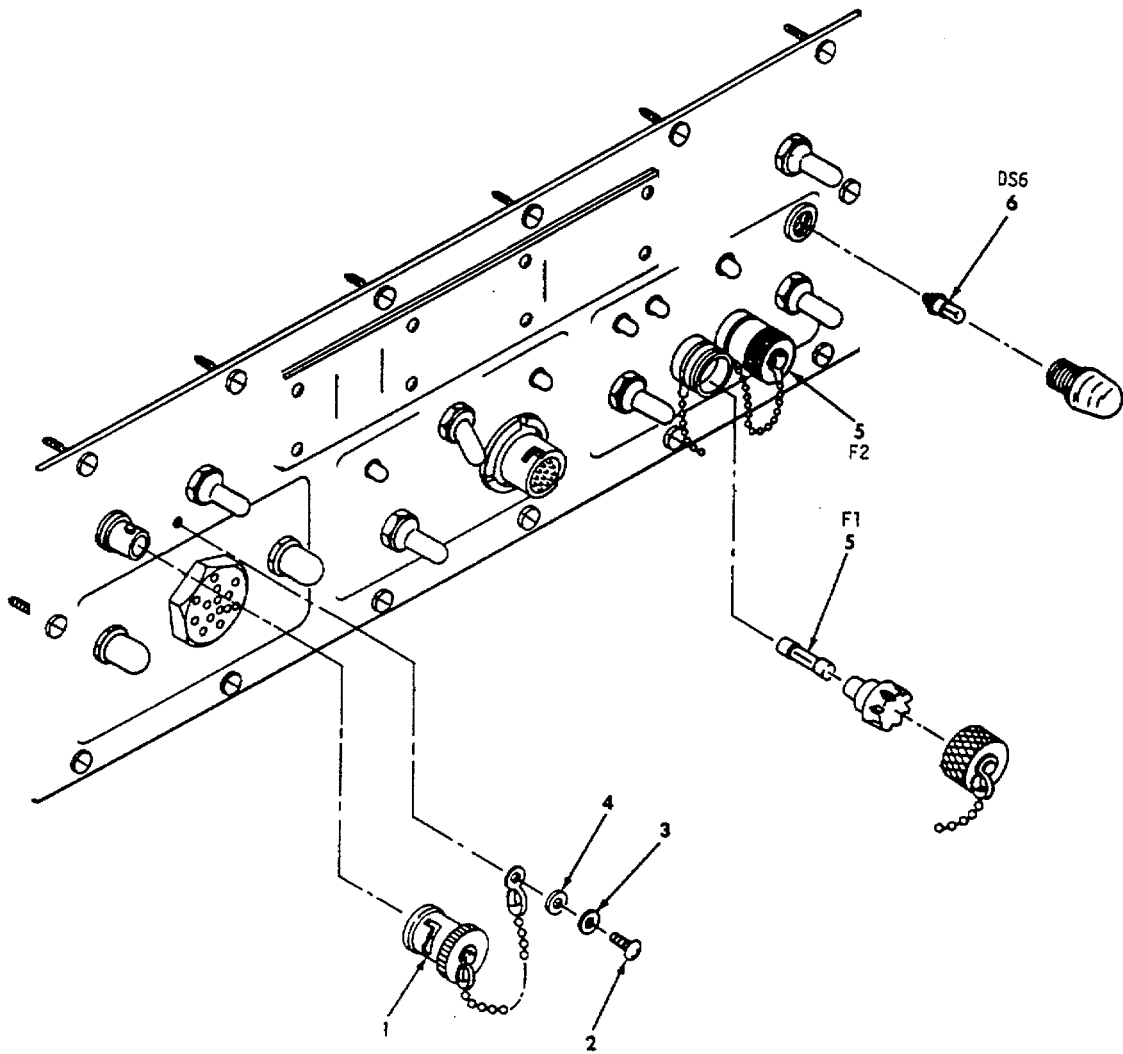
ELSCL004

Figure 3. Card file assembly 21A13

SECTION II

TM 11-5805-693-34P

(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
						GROUP 02 CARD FILE ASSEMBLY 21A13		
3	1	PAOZZ	5935-00-885-2264	H39012/25-0006	81349	COVER, ELECTRICAL CO	EA	26
3	2	PAOZZ	5305-00-889-2999	MS35206-217	96906	SCREW, MACHINE	EA	6
3	3	PAOZZ	5305-00-889 - 2997	MS35206-215	96906	SCREW, MACHINE	EA	1
3	4	PAOZZ	5920-00-999-7324	SM-B - 530036	80063	CAP ARRESTOR	EA	2



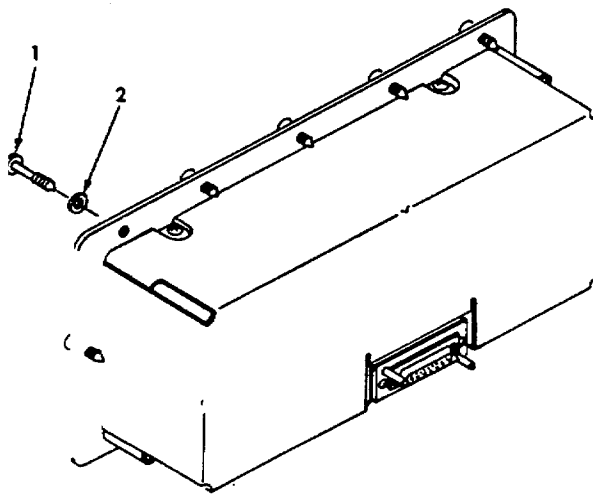
EL5CL005

Figure 4. Control panel assembly 21A14

SECTION II

TM 11-7025-202-20P

(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
						GROUP 03 CONTROL PANEL ASSEMBLY 21A14		
4	1	PAOZZ	5935-00-885-2264	M39012/25-0006	81349	COVER,ELECTRICAL CO	EA	1
4	2	PAOZZ	5305-00-889-2998	MS35206-216	96906	SCREW, MACHINE	EA	1
4	3	PAOZZ	5310-00-193-7577	MS35333-36	96906	WASHER, LOCK	EA	1
4	4	PAOZZ		NA5620-4	88044	WASHER FLAT	EA	1
4	5	PAOZZ	5920-01-028-5727	F02B250V3A	81349	FUSE CARTRIDGE	EA	2
4	6	PAOZZ		SM-A-942110	80063	LAMP GLOW	EA	1



EL5CL006

FIGURE 5. POWER SUPPLY ASSEMBLY 21A12.

SECTION II

TM 11-7025-202-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION <i>USABLE ON CODE</i>	U/M	QTY INC IN UNIT
5	1	PAOZZ	5305-00-032-4119	80063	SMB528627-4	GROUP 04 POWER SUPPLY ASSEMBLY 21A12		
5	2	PAOZZ	5310-00-457-1488	88044	AN960XC8	SCREW, EXTERNALLY R.....	EA	12
						WASHER.FLAT.....	EA	12

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

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

STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER	STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER
5365-00-115-6848	2	1	5305-00-889-2997	3	3
5310-00-193-7577	4	3	5305-00-889-2998	3	2
5310-00-457-1488	5	2	5305-00-889-2999	3	2
5310-00-685-3744	2	3	5920-00-999-7324	3	4
5935-00-885-2264	3	1	5920-01-028-5727	4	5
5935-00-885-2264	4	1			

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
AN960C8	88044	2	3	SM-C-941657	80063	2	2
AN960XC8	88044	5	2	SM-D-941650	80063	1	2
F02B250V3A	81349	4	5	SM-D-941800	80063	1	1
MS35206-215	96906	3	3	SM-D-941900	80063	1	5
MS35206-216	96906	4	2	SM-D-941905	80063	1	3
MS35206-217	96906	3	2	SM-D-941910	80063	1	4
MS35333-36	96906	4	3	SM-D-941915	80063	1	6
M39012/25-0006	81349	3	1	SM-D-941920	80063	1	7
M39012/25-0006	81349	4	1	SM-D-941925	80063	1	8
NAS620-4	88044	4	4	SM-D-941930	80063	1	9
SM-A-942110	80063	4	6	SM-D-941935	80063	1	10
				SM-D-941940	80063	1	11
SM-B-530036	80063	3	4	Y166	72794	2	1

LATEST PART NUMBER ASSIGNMENTS

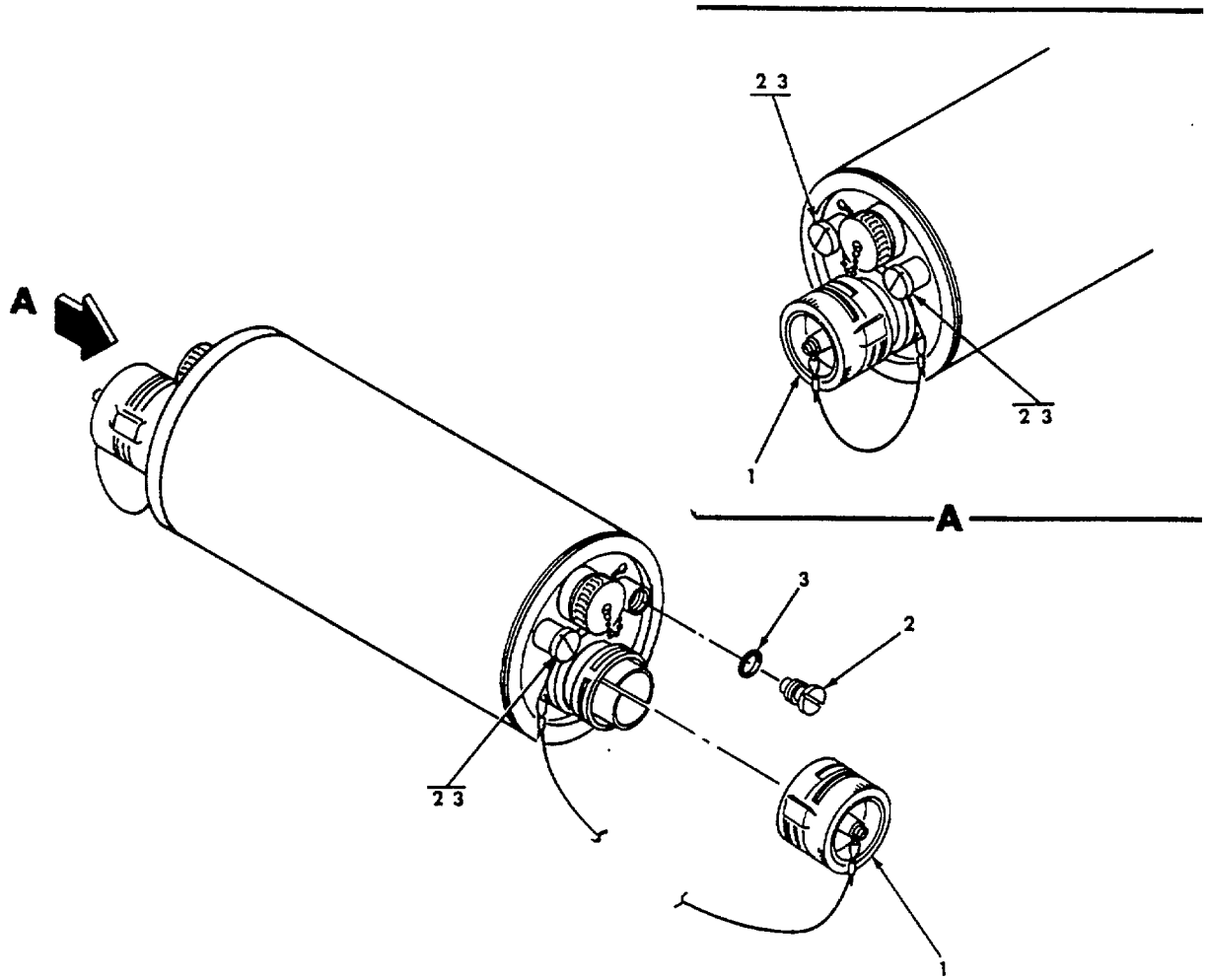
PART NUMBER	FSCM	FIG. NO.	ITEM NO.
SM-D-941945	80063	1	12
SM-D-941950	80063	1	13

LATEST NATIONAL STOCK NUMBER ASSIGNMENT

STOCK NUMBER	FIG. NO.	ITEM NO.
5305-00-032-4119	5	1

ADDITIONAL LATEST PART NUMBER ASSIGNMENT

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
SMB528627-4	80063	5	1



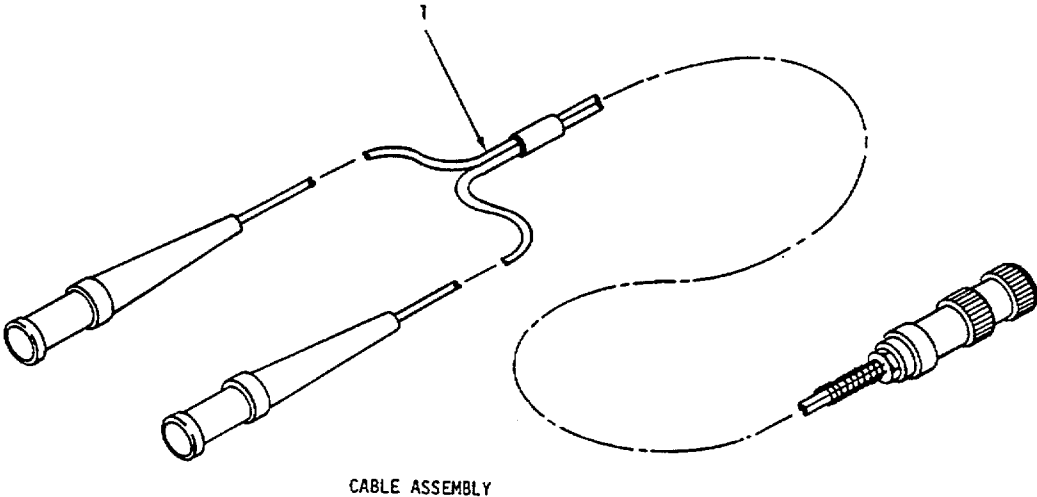
EL5CL007

FIGURE 6. PULSE FORM RESTORER

SECTION V

TM 11-5805-358-24P

(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
6	1	PAOZZ	5999-00-136-9040	SC-C-388423	80063	GROUP 00 PULSE FORM RESTORER TD-982/G	EA	2
6	2	PAOZZ	5920-00-999-7324	SM-B-530036	80063	CAP, ELECTRICAL.....	EA	4
6	3	PAOZZ	5330-00-5840265	MS28775-012	96906	CAP ARRESTOR..... PACKING, PREFORMED.....	EA	4



EL5CL001

FIGURE 7. SPECIAL TOOLS FOR THE PULSE FORM RESTORER TD-982/G

SECTION VI

TM 11-5805-358-24P

(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
7	1	PEODD		SM-D-941-995	80063	GROUP 30 SPECIAL TOOLS FOR PULSE FORM RESTORER TD-982/G CABLE ASSEMBLY..... BOI 1 AUTH FOR 1-100 EQUIP	EA	1

SECTION VII**NATIONAL STOCK NUMBER AND PART NUMBER INDEX****TM 11-7025-202-20P**

STOCK NUMBER	FIGURE NO.	ITEM NO		STOCK NUMBER	FIGURE NO.	ITEM NO.
5999-00-136-9040	6	1		5920-00-999-7324	6	2
5330-00-584-0265	6	3				

PART NUMBER	FSCM	FIG. NO	ITEM NO.	PART NUMBER	FSCM	FIG NO.	ITEM NO.
MS28775-012	96906	6	3	SC-C-388423	80063	6	1
SM-B-53-530036	80063	6	2	SM-D-941-995	80063	7	1

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SHAD (3)
Ft Gillem (10)
USA Dep (1)
Sig Sec USA Dep (1)
Ft Richardson ((CERCOM Ofc) (2)
Units org under fol TOE:
29-207 (2)
29-610 (2)

NG: None

USAR: None

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

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

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