

**TECHNICAL MANUAL**

**ORGANIZATIONAL MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LIST  
FOR  
MULTIPLEXER,  
TIME DIVISION DIGITAL  
TD-1069/G  
(NSN 5805-01-028-8425)**



TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LIST  
FOR  
MULTIPLEXER,  
TIME DIVISION DIGITAL  
TD-1069/G  
(NSN 5805-01-028-8425)



TECHNICAL MANUAL

No. 11-5805-638-20P

HEADQUARTERS  
DEPARTMENT OF THE ARMY,  
WASHINGTON, DC, 30 June 1983

**ORGANIZATIONAL MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LIST  
FOR  
MULTIPLEXER, TIME DIVISION DIGITAL  
TD-1069/G  
(NSN 5805-01-028-8425)  
Current as of 17 January 1983**

**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 the back of this manual directly to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, NJ 07703. In either case, a reply will be furnished directly to you.

		Page	Illus Figure
SECTION	I. Introduction .....	1	
	II. Repair Parts List .....	5	
GROUP	00 Multiplexer, Time Division Digital TD-1069/G .....	5	1
	01 Chassis, Electrical Equipment		
	0101 Chassis (No parts authorized)		
	0102 Nest Assembly (No parts authorized)		
	0103 Harness Assembly (No parts authorized)		
	010301 Harness Piece Parts (No parts authorized)		
	010302 Cable Assembly, Switch (No parts authorized)		
	010303 Cable Assembly, Channel/Mux (No parts authorized)		
	010304 Cable Assembly, Power Supply (No parts authorized)		
	010305 Cable Assembly, Channel (No parts authorized)		
	010306 Cable Assembly, Channel/Demux. (No parts authorized)		
	02 Switch Assembly (No parts authorized)		
	03 Power Supply Assembly (No parts authorized)		
GROUP	03 Chassis Machining (No parts authorized)		
	Heat Sink Assembly (No parts authorized)		
	Printed Wiring Board Assembly, Regulator/Control (No parts authorized)		
	04 Printed Wiring Board Assembly, Channel Digital Data (No parts authorized)		
	05 Printed Wiring Board Assembly, Channel Frequency Shift Keying Data (No parts authorized)		
	06 Printed Wiring Board Assembly, Digital Clock Pulse Generator (No parts authorized)		
	07 Printed Wiring Board Assembly, Alarm Memory (No parts authorized)		
	08 Printed Wiring Board Assembly, Digital Controller (No parts authorized)		
	09 Printed Wiring Board Assembly, Absorber Overvoltage (No parts authorized)		
SECTION	III. Special Tools (Not applicable)		
	IV. National Stock Number and Part Number Index .....	6	



# 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-1069/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 anticipation or known usage.

(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>
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.

(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>
H	Reparable item. When uneconomically repairable, condemn and dispose at the general support level.
D	Reparable 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. Federal Supply Code for Manufacturer (FSCM).* The FSCM is a 5-digit numeric code listed in SB 708-41/42 which is used to identify the manufacturer, distributor, or Government agency, etc.

*e. 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 number item is requisitioned, the repair part received may have a different part number than the part being replaced.

*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-1069/G and its components:

TM 11-5805-638-12, Multiplexer, Time Division Digital, TD-1069/G (To be published).

*b.* The illustrations in this manual are identical to those published in TM 11-5805-638-34P. Only those parts assigned the third position SMR maintenance code "C" or "O" are listed in the tabular listing; 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)



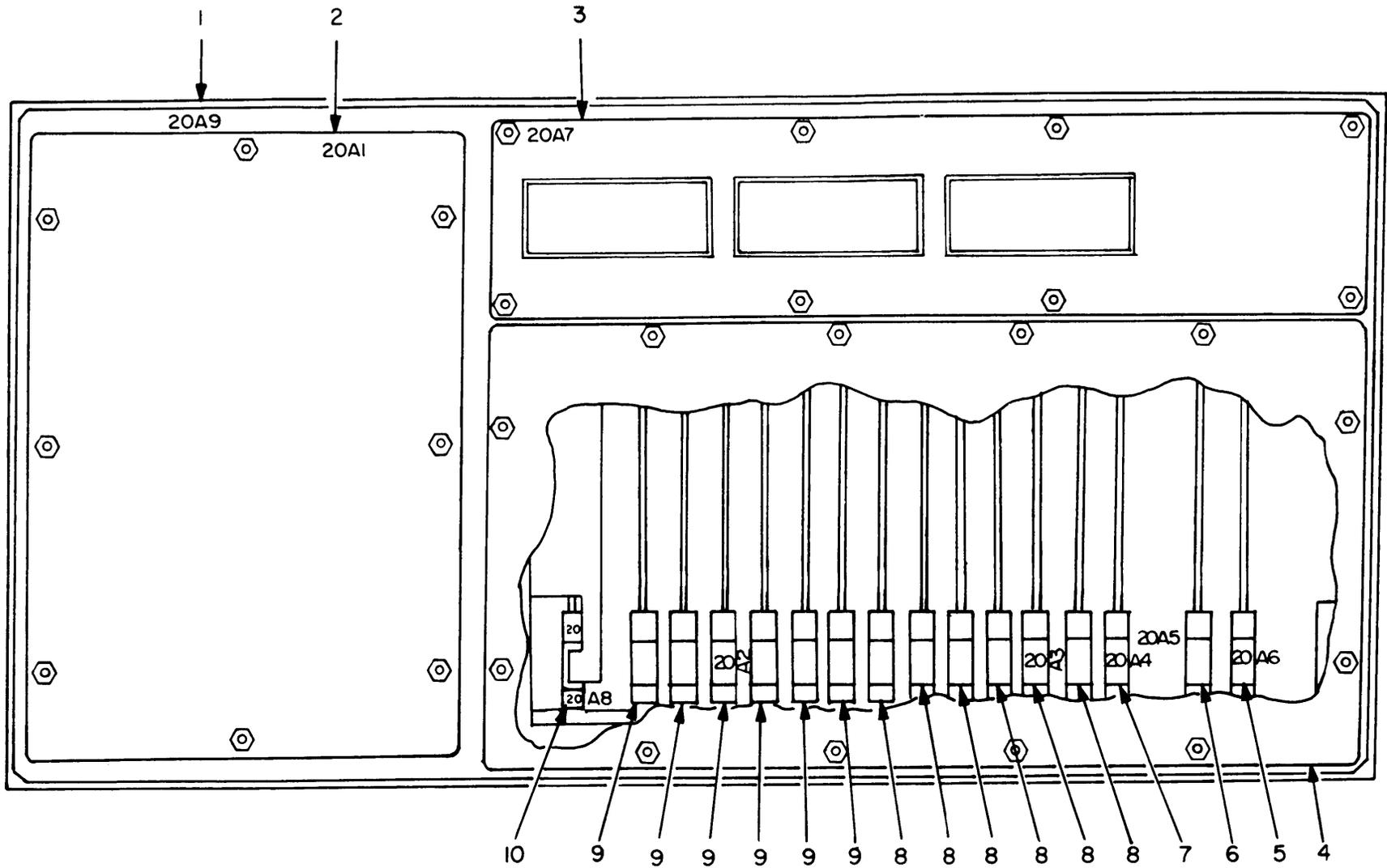


Figure 1. Multiplexer Time Division Digital TD-1069/G.

SECTION II

(1) ILLUSTRATION (a) FIG NO	(2) (b) ITEM NO	(3) SMR CODE	(4) NATIONAL STOCK NUMBER	(5) FSCM	(6) PART NUMBER	(7) DESCRIPTION USABLE ON CODE	(8) QTY INC IN UNIT
						GROUP 00 MULTIPLEXER, TIME DIVISION	
						DIGITAL (20)	
1	2	PAOHH	5805-01-119-2723	56996	B4007701	POWER SUPPLY	EA 1
1	3	PAOHH	5805-01-143-2807	56996	B4007515	CIRCUIT CARD ASSEMB	EA 1
1	5	PAODD	5805-01-119-2788	56996	B4007509	CIRCUIT CARD ASSEMB	EA 1
1	6	PAODD	5805-01-119-2784	56996	B4007512	CIRCUIT CARD ASSEMB	EA 1
1	7	PAODD	5805-01-119-2787	56996	B4007506	CIRCUIT CARD ASSEMB	EA 1
1	8	PAODD	5805-01-119-2786	56996	B4007503	CIRCUIT CARD ASSEMB	EA 6
1	9	PAODD	5805-01-119-2785	56996	B4007500	CIRCUIT CARD ASSEMB	EA 6
1	13	PAODD	5805-01-119-2783	56996	B4007517	PRINTED WIRING BOAR	EA 1

SECTION IV  
 NATIONAL STOCK NUMBER AND PART NUMBER INDEX

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5805-01-119-2723	1	2	5805-01-119-2786	1	8
5805-01-119-2783	1	10	5805-01-119-2787	1	7
5805-01-119-2784	1	6	5805-01-119-2788	1	5
5805-01-119-2785	1	9	5805-01-143-2807	1	3

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
56996	B4007500	1	9	56996	B4007512	1	6
56996	B4007503	1	8	56996	B4007515	1	3
56996	B4007506	1	7	56996	B4007517	1	10
56996	B4007509	1	5	56996	B4007701	1	2

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



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

SOMETHING WRONG WITH THIS PUBLICATION?

FROM (PRINT YOUR UNIT'S COMPLETE ADDRESS)  
 Commander  
 Stateside Army Depot  
 ATTN: AMSTA-US  
 Stateside, N.J. 07703

DATE SENT  
 10 July 1975

PUBLICATION NUMBER TM 11-5840-340-20P	PUBLICATION DATE 23 Jan 78	PUBLICATION TITLE Radar Set AN/PRC-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	
33				For item 2, change the NSN to read: 5835-00-134-9186. Reason: Accuracy.
44		19		Identify the cover on the junction box (item no. 5). Reason: It is a separate item and is not called out on figure 19.
45				Add the cover of the junction box as an item in the listing for figure 19. Reason: Same as above

SAMPLE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER  
 SSG I. M. DeSpirit of 999-1776

SIGN HERE

TEAR ALONG PERFORATED LINE





FILL IN YOUR  
UNIT'S ADDRESS



FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE \$300

Commander  
US Army Communications-Electronics Command  
and Fort Monmouth  
ATTN: DRSEL-ME-MP  
Fort Monmouth, New Jersey 07703

TEAR ALONG PERFORATED LINE

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



**SOMETHING WRONG WITH THIS PUBLICATION?**

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

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

TM 11-5805-638-20P

PUBLICATION DATE

PUBLICATION TITLE Multiplexer, Time

Division Digital TD-1069/G

BE EXACT PIN-POINT WHERE IT IS

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

**IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:**

TEAR ALONG PERFORATED LINE

PRINTED NAME GRADE OR TITLE AND TELEPHONE NUMBER

SIGN HERE

**DA FORM 2028-2**  
1 JUL 79

PREVIOUS EDITIONS ARE OBSOLETE

P.S.-IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION 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  
PENALTY FOR PRIVATE USE \$300

Commander  
US Army Communications-Electronics Command  
and Fort Monmouth  
ATTN: DRSEL-ME-MP  
Fort Monmouth, New Jersey 07703

TEAR ALONG PERFORATED LINE

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



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

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

TM 11-5805-638-20P

PUBLICATION DATE

PUBLICATION TITLE Multiplexer, Time

Division Digital TD-1069/G

BE EXACT PIN-POINT WHERE IT IS

PAGE NO.

PARA-GRAPH

FIGURE NO.

TABLE NO.

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

TEAR ALONG PERFORATED LINE

PRINTED NAME GRADE OR TITLE AND TELEPHONE NUMBER

SIGN HERE

FILL IN YOUR  
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE \$300

Commander  
US Army Communications-Electronics Command  
and Fort Monmouth  
ATTN: DRSEL-ME-MP  
Fort Monmouth, New Jersey 07703

TEAR ALONG PERFORATED LINE

By Order of the Secretary of the Army:

Official:

E. C. MEYER  
*General, United States Army*  
*Chief of Staff*

ROBERT M. JOYCE  
*Major General, United States Army*  
*The Adjutant General*

DISTRIBUTION:

To be distributed in accordance with Special List.

\*U.S. GOVERNMENT PRINTING OFFICE: 1983 605 040 162

\* U.S. GOVERNMENT PRINTING OFFICE : 1984 O - 421-302 (10593)





049837