### **TECHNICAL MANUAL**

GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)

FOR

DEVICE, LOW LEVEL SIGNALING TT-523A/GGC (NSN 5815-00-999-3048)

TECHNICAL MANUAL

NO. 11-5815-338-40P

#### HEADQUARTERS DEPARTMENT OF THE ARMY WASHINGTON, DC, 16 September 1977

# GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR

DEVICE, LOW LEVEL SIGNALING (TT-523A/GGC (NSN 5815-00-999-3048)

Current as of 8 July 1977

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

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<sup>\*</sup>This manual supersedes so much of TM 11-5815-338-15, 23 October 1967, including Change 1, 22 July 1969, as pertains to repair parts and special tools list for the TT-523A/GGC.

#### 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 general support maintenance of the TT-523A/GGC. 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 Lists. 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.
- XD A support item that is not stocked. When required, item will be procured through normal supply channels.

#### **NOTE**

Cannibalization or salvage maybe 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

- H Support item is removed, replaced, used at the general support 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

- H The lowest maintenance level capable of complete repair of the support item is the general 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.
- H Reparable item. When uneconomically reparable, condemn and dispose at the general 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, cor-

poration, 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

The following publication pertains to the TT-

523A/GGC and its components:

TM 11-5815-338-15, Device, Low Level Signaling TT-523/GGC and TT-523A/GGC

#### 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.)

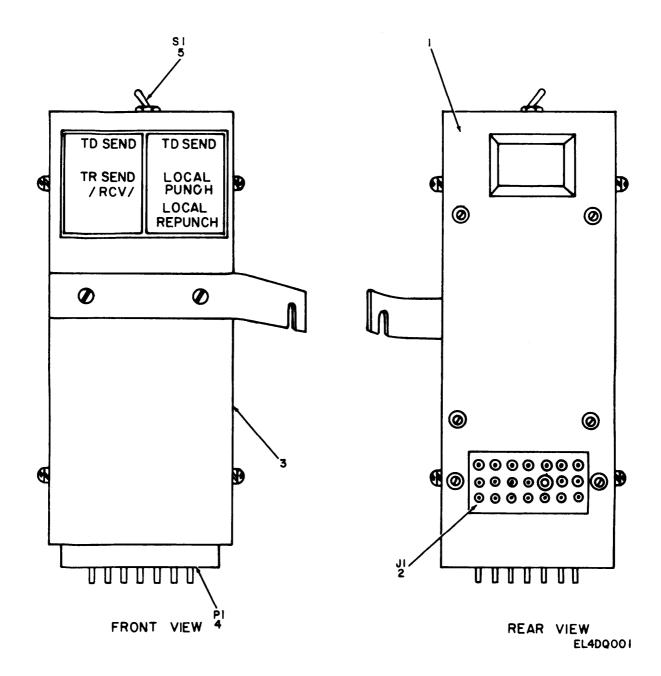
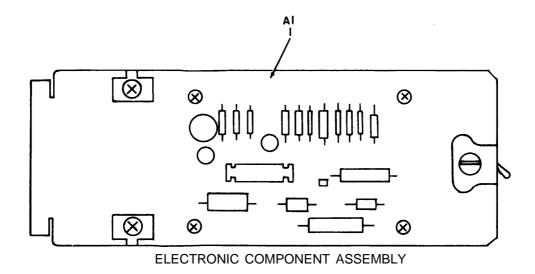


Figure 1. Device, Low Level Signaling TT-523A/GGC.

(1)	ION I STRAT (b)	(2) ION	(3) NATIONAL	(4)	(5)	TM11-5815-338-40P (6) DESCRIPTION		(7)	(8) QTY INC
FIG NO.	NO.	SMR CODE	STOCK NUMBER	PART NUMBER	FSCM		USABLE ON CODE	U/M	IN UNIT
						GROUP 00 DEVICE, LOW LEVEL SIGNALING TT-523A/GGC			
1	1	XDHZZ		SMD603705	80063	CASE ASSEMBLY		EA	1
1	2	PAHZZ	5935-00-258-8566	152465	70408	CONNECTOR, RCPT, ELEC		EA	1
1	3	XDHZZ		SMC603706	80063	COVER ASSEMBLY		EA	1
1	4	PAHZZ	5935-00-295-3333	54B14515	71785	CONNECTOR, PLUG, ELEC		EA	1
1	5	PAHZZ	5930-00-581-4560	6AT105T	91929	SWITCH, TOGGLE		EA	1



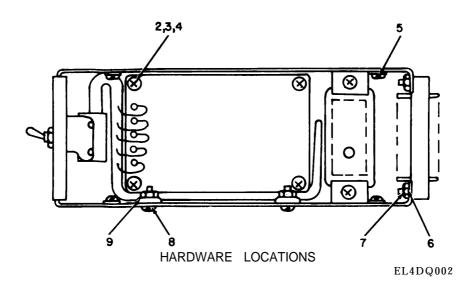


Figure 2. Device, Low Level Signaling TT-523A/GGC, Parts Location.

(1)	ION I	(2)	(3)	(4)	(5)	TM11-5815-338-40P (6)		(7)	(8)
(a) FIG	(b) ITEM NO.		NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	U\M	QTY INC IN UNIT
2	1	РАННН	5820-00-879-5122	SMD603700	80063	ELEK CMPNT ASSEMBLY		EA	1
2	2	PAHZZ	5305-00-054-5650	MS51957-16	96906	SCREW, MACHINE		EA	6
2	3	PAHZZ	5310-00-595-6211	MS15795-803	96906	WASHER, FLAT		EA	14
2	4	PAHZZ	5310-00-933-8118	MS35338-135	96906	WASHER, LOCK		EA	14
2	5	PAHZZ	5305-00-054-5647	MS51957-13	96906	SCREW, MACHINE		EA	4
2	6	PAHZZ	5310-00-655-9401	SMC603716	80063	WASHER, CLAMP		EA	4
2	7	PAHZZ	5305-00-054-5649	MS51957-15	96906	SCREW, MACHINE		EA	4
2	8	PAHZZ	5310-00-934-9748	MS35649-44	96906	NUT, PLAIN, HEXAGON		EA	2
2	9	XDHZZ		SMC603712	80063	CLAMP, CABLE		EA	2

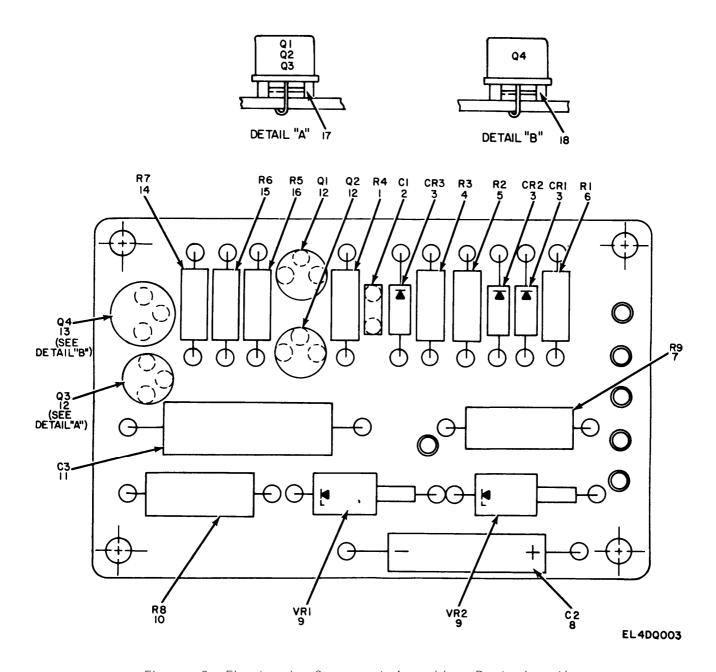


Figure 3. Electronic Component Assembly, Parts Location.

(1)	ION I STRAT (b)	(2)	(3) NATIONAL	(4)	(5)	TM11-5815-338-40P (6) DESCRIPTION		(7)	(8) QTY INC
FIG NO.	ITEM NO.	SMR	STOCK NUMBER	PART NUMBER	FSCM	USA	ABLE ON CODE	U/M	IN UNIT
						GROUP 01 ELECTRONIC COMPONENT ASSEMBLY A1			
3	1	PAHZZ	5905-00-254-9201	RC20GF473J	81349	RESISTOR, FXD, CMPSN		EA	1
3	2	PAHZZ	5910-00-080-9561	CK06CW682K	81349	CAPACITOR, FXD, CER		EA	1
3	3	PAHZZ	5961-00-543-0490	1N459	81349	SEMICONDUCTOR, DIODE		EA	3
3	4	PAHZZ	5905-00-087-4557	RN60C3483F	81349	RESISTOR, FXD, FILM		EA	1
3	5	PAHZZ	5905-00-190-8881	RC20GF182J	81349	RESISTOR, FXD, CMPSN		EA	1
3	6	PAHZZ	5905-00-192-0667	RC20GF224J	81349	RESISTOR, FXD, CMPSN		EA	1
3	7	PAHZZ	5905-00-279-2545	RC32GF301J	81349	RESISTOR, FXD, CMPSN		EA	1
3	8	PAHZZ	5910-00-079-3655	CL25BN020SP3	81349	CAPACITOR, ELCTLT		EA	1
3	9	PAHZZ	5961-00-855-2786	JAN1N3023B	81349	SEMICONDUCTOR, DIODE		EA	2
3	10	PAHZZ	5905-00-279-2642	RC32GF391J	81349	RESISTOR, FXD, CMPSN		EA	1
3	11	PAHZZ	5910-00-113-9884	M39006-04-1314	81349	CAPACITOR, ELCTLT		EA	1
3	12	PAHZZ	5961-00-787-5305	JAN2N718A	81349	TRANSISTOR		EA	3
3	13	PAHZZ	5961-00-853-2601	JAN2N1893	81349	TRANSISTOR		EA	1
3	14	PAHZZ	5905-00-279-3506	RC20GF332J	81349	RESISTOR, FXD, CMPSN		EA	1
3	15	PAHZZ	5905-00-279-3499	RC20GF273J	81349	RESISTOR, FXD, CMPSN		EA	1
3	16	PAHZZ	5905-00-279-2522	RC20GF154J	81349	RESISTOR, FXD, CMPSN		EA	1
3	17	PAHZZ	5970-00-990-5098	T1-98	21743	MOUNTING PAD		EA	3
3	18	PAHZZ	5999-00-946-0947	SMB416835	80063	MOUNTING PAD		EA	1

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

	FIGURE	ITEM		FIGURE	ITEM		
STOCK NUMBER	NO.	NO.	STOCK NUMBER	NO.	NO.		
5910-00-079-3655	3	8	5905-00-279-3499	3	15		
5910-00-080-9561	3	2	5905-00-279-3506	3	14		
5905-00-087-4557	3	4	5961-00-543-0490	3	3		
5905-00-190-8881	3	5	5930-00-581-4560	1	5		
5905-00-190-8881	3	6	5961-00-787-5305	3	12		
5905-00-254-9201	3	1	5961-00-853-2601	3	13		
5935-00-258-8566	1	2	5961-00-855-2786	3	9		
5905-00-279-2522	3	16	5820-00-879-5122	2	1		
5905-00-279-2545	3	7	5970-00-990-5098	3	17		
5905-00-279-2642	3	10					
PART		FIG.	ITEM	PART		FIG.	ITEM
NUMBER	FSCM	NO.	NO.	NUMBER	FSCM	NO.	NO.
CK06CW682K	81349	3	2	RC20GF332J	81349	3	14
CL25BN020SP3	81349	3	8	RC20GF473J	81349	3	1
MS15795-803	96906	2	3	RC32GF301J	81349	3	7
		2	4			3	
MS35338-135	96906			RC32GF391J	81349		10
MS35649-44	96906	2	8	RN60C3483F	81349	3	4
MS51957-13	96906	2	5	SMC603706	80063	1	3
MS51957-15	96906	2	7				
MS51957-16	96906	2	2	SMC603712	80063	2	9
RC20GF154J	81349	3	16	SMC603716	80063	2	6
RC20GF182J	81349	3	5	SMD603700	80063	2	1
RC20GF224J	81349	3	6	SMD603705	80063	1	1
RC20GF273J	81349	3	15	1N459	81349	3	3
		TTONAL STO	CK NUMBER ASSIGNMENTS				
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	FIGURE	ITEM					
STOCK NUMBER	NO.	NO.					
STOCK NOMBER	NO.	100.					
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		4					
5935-00-295-3333	1						
5999-00-946-0947	3	18					
	LATEST PA	ART NUMBER	ASSIGNMENTS				
PART		FIG.	ITEM	PART		FIG.	ITEM
NUMBER	FSCM	NO.	NO.	NUMBER	FSCM	NO.	NO.
JAN1N3023B	81349	3	9	SMB416835	80063	3	18
JAN2N718A	81349	3	12	T1-98	21743	3	17
JAN2N1893	81349	3	13	152465	70408	1	2
M39006-04-1314	81349	3	11	54B14515	71785	1	4
				6AT105T	91929	1	5
	ADDITIONA	I LATEST N	ATIONAL STOCK NUMBER ASSI		21222	-	3
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	FIGURE	ITEM					
CTOCK NUMBER	NO.	NO.					
STOCK NUMBER	NO.	NO.					
5205 00 054 5645	0	_					
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5305-00-054-5649	2	7					
5305-00-054-5650	2	2					
5310-00-595-6211	2	3					
5310-00-655-9401	2	6					
5310-00-933-8118	2	4					
5310-00-934-9748	2	8					



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TM 11 4810 - 340-12

TM 11-5840 -340-12				23 Jan 74 Radar Set AN/2 C-76
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PAGE NO.	PARA- GRAPH	FIGURE NO.	TABLE NO.	AND WHAT SHOULD BE DONE ABOUT IT:
2-25	2-28			Recommend that the installation antenna alignment procedure be changed throughout o 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 knots, and has a tendency to rapidly accelerate and ecclerate as it hunts, causing strain to the drive train. Hunting is minimized by adjusting the lag to 2° without degradation of operation
3-10	3 <b>-</b> 3		3-1	Item 5, Function column. Change "2 db" to "3db."
				REASON: The fustment procedure for the TRANS POWER FAULT indicator calls for a 3 db (500 watts) adjustment to light the TRANS POWER FAULT indicator.
5 <b>-</b> 6	5 <b>-</b> 8			Add new step f.1 to read, "Replace cover plate removed in the e.1, above."
				REASON: To replace the cover plate.
		F03	2	Zone C 3. On Jl-2, change "+24 VDC to "+5 VDC."
			90	REASON: This is the output line of the 5 VDC power supply. + 24 VDC is the input voltage.
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