

TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR

PARTS AND SPECIAL TOOLS LIST

FOR

MAST AB-621/G

(NSN 5985-00-782-5278)



TECHNICAL MANUAL

No. 11-5895-334-20P

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, DC, 20 September 1983

ORGANIZATIONAL MAINTENANCE REPAIR PARTS  
AND SPECIAL TOOLS LIST  
FOR

MAST AB-621/G (NSN 5985-00-782-5278)

Current as of 18 May 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 2023-2 located in back of this manual direct to: Commander, US Army communications-Electronics Command and Fort Monmouth, ATTN: DR-SEL-ME-MP, For Monmouth, NJ 07703.

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

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\*This manual supersedes TM 11-5985-334-20P, 5 May 1977.



# 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 AB-621/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 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:

<i>code</i>	<i>Definition</i>
-------------	-------------------

PA - Item procured and stocked for anticipated or known usage.

XB - Item is not procured or stocked. If not available through salvage, requisition.

### 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 750-1.

(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>
-------------	--------------------------------

0 - 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:

<i>Recoverability codes</i>	<i>Definition</i>
-----------------------------	-------------------

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. 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 numbered 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 AB-621/G and its components:  
TM 11-5985-334-14, Mast AB-621/G

*b.* The illustrations in this manual are identical to those published in TM 11-5985-334-30P. 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 item 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-Electronics Command and Fort Monmouth, ATTN: DR-SEL-MM, Fort Monmouth, New Jersey 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 is known.

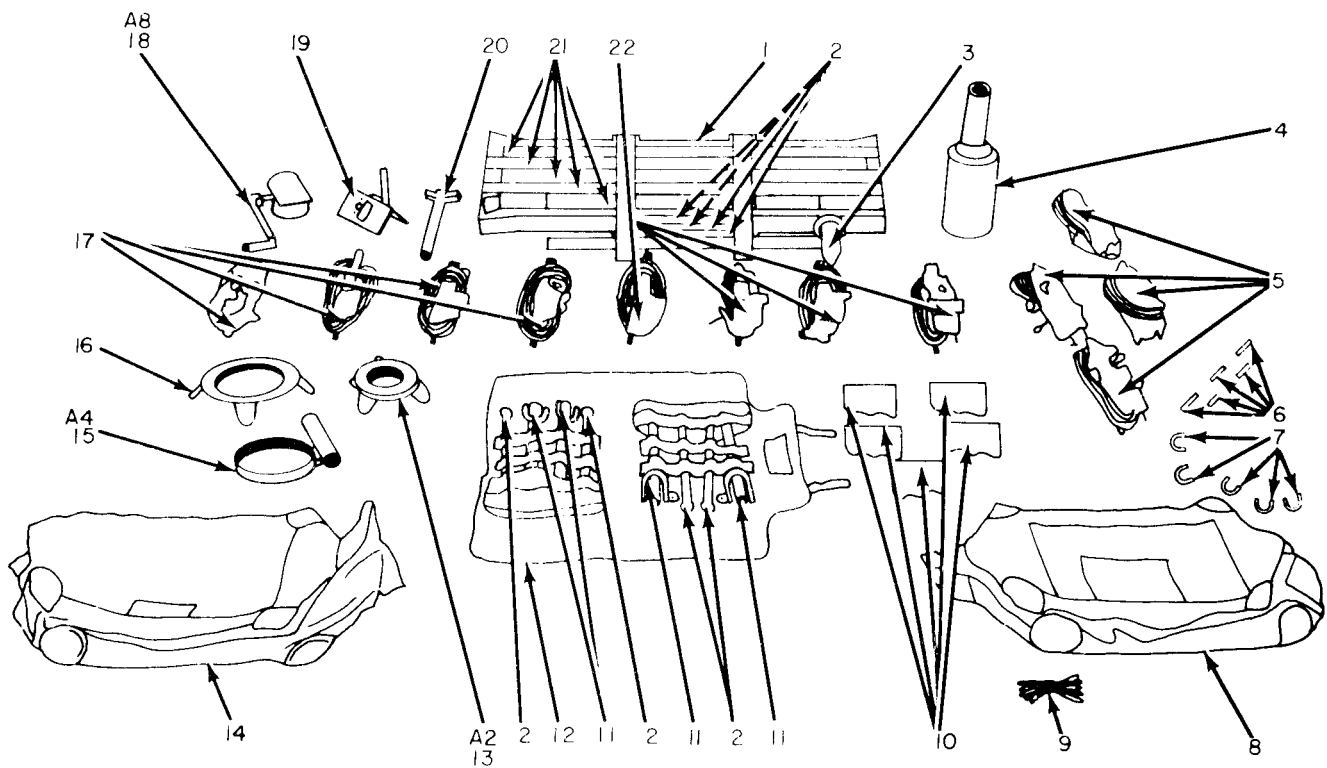
(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

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

#### 6. Abbreviations

Not applicable.



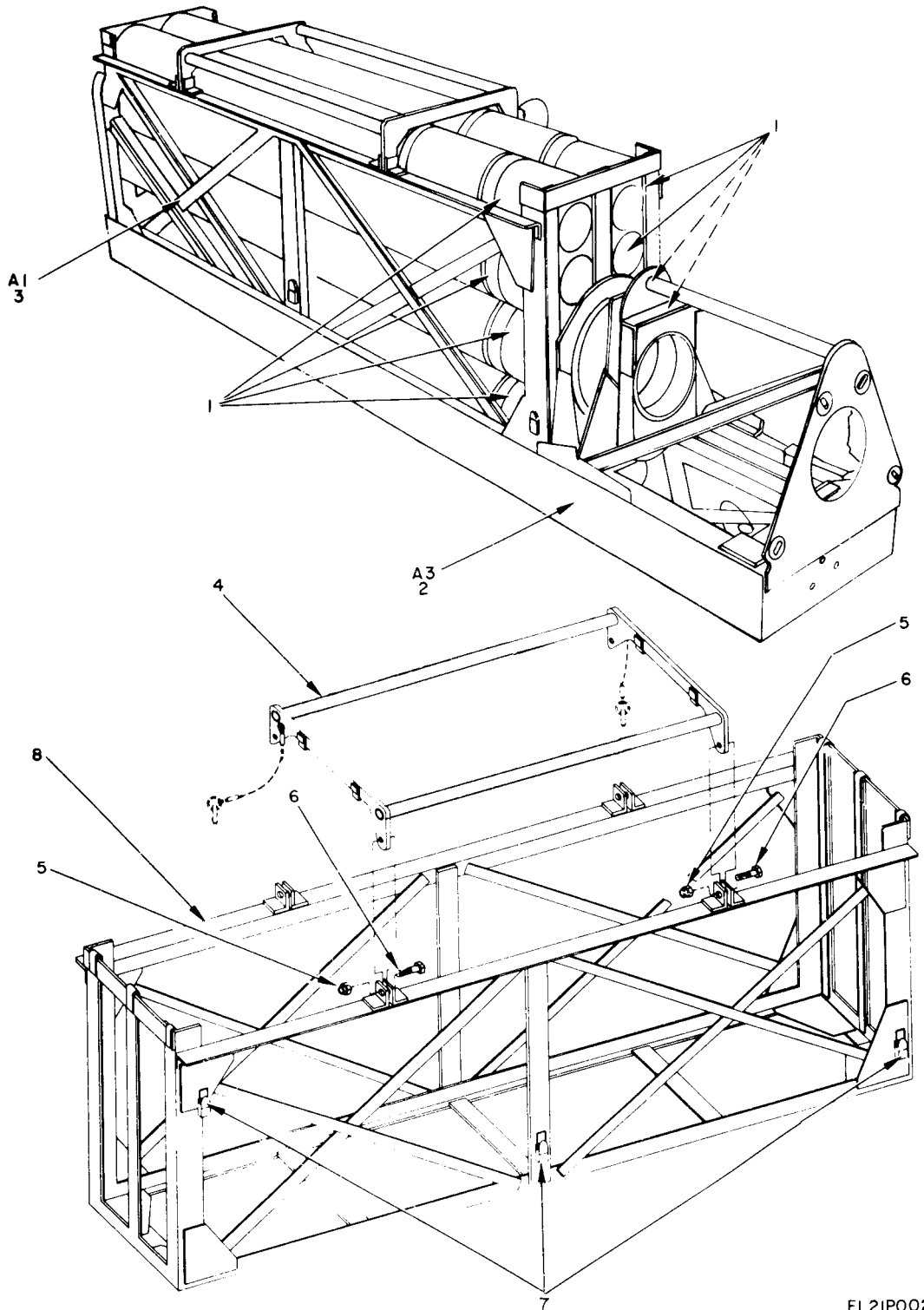


EL2IP001

Figure 1. Mast AB-621/G.



(1)		(2)	SECTION II			(6)	(8)
ILLUSTRATION			(3)	(4)	(5)	DESCRIPTION  USABLE ON CODE	QTY INC IN UNIT
(a) FIG NO.	(b) TEI NO		NATIONAL STOCK NUMBER	FSCM	PART NUMBER		
<b>GROUP 00 MAST AB-621/G</b>							
1	1	PAOZ	5820-00-395-88	80063	SC-D-66302	CARRYING CASE, GUY S .....	1
1	2	XBOZ	4030-00-187-52	80058	GP-2	STAKE, GUY .....	8
1	3	PAOZ	5120-00-224-41	81349	GGG-H-86	HAMMER, HAND .....	1
1	4	PAOZ	5985-00-237-07	80063	SM-D-561874	SLEEVE, ANTENNA SUPP .....	1
1	5	PAOZ	5975-00-405-45	80063	SM-D-561885	GUY .....	4
1	6	PAOZ	5306-00-405-45	80063	SC-B-99880	BOLT, EYE .....	5
1	7	PAOZ	4030-00-159-71	80063	SC-C-99881	SHACKLE .....	5
1	8	PAOZ	5985-00-233-92	80063	SM-C-561895-1	BAG, SIGNAL EQUIPMENT .....	1
1	9	PAOZ	5985-00-233-92	80063	SM-B-561884	HALLYARD, ANTENNA .....	1
1	10	PAOZ	4030-00-189-61	80063	SM-C-561898	GUY ATTACHMENT .....	5
1	11	PAOZ	4030-00-291-93	80063	GP-112/G	STAKE, GUY .....	4
1	12	PAOZ	4030-00-189-62	80063	SM-D-561896	CASE, STAKE, GUY .....	1
1	13	PAOZ	4030-00-189-61	80063	SM-D-561869	GUY RING ASSEMBLY, U .....	1
1	14	PAOZ	8105-00-497-96	80058	BG-102	GUY, BAG .....	1
1	15	PAOZ	5985-00-233-92	80063	SM-C-561864	PEEP SIGHT ASSEMBLY .....	1
1	16	PAOZ	4030-00-189-61	80063	SM-D-561868	GUY RING ASSEMBLY, M .....	1
1	17	PAOZ	5975-00-405-45	80063	SM-D-561889	GUY .....	4
1	18	PAOFI	5985-01-133-35	80063	SM-D-561878	WINCH ASSEMBLY .....	1
1	19	PAOFI	5985-01-124-87	80063	SM-C-561860	LEVEL MAST ASSEMBLY .....	1
1	20	PAOZ	5120-00-169-26	80063	SM-D-561899	WRENCH, SPANNER .....	1
1	21	PAOZ	4030-00-298-13	80058	GP-113/G	STAKE, GUY .....	5
1	22	PAOZ	5975-00-405-45	80063	SM-D-561887	GUY .....	4



EL21P002

Figure 2. Mast AB-621/G, Carrier.

SECT SECTION II

TM 11-5985-934-20P

(1)		(2)	(3)	(4)	(5)	(6)	7	(8)
ILLUSTRATION		SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
(a) FIG NO.	(b) TEM NO.							
2	1	'A0ZZ	985-00-242-4286	1006	M-D-561875	MAST SECTION .....	A	8
2	2	'A0FF	985-00-233-9247	1006	M-D-561801	LAUNCHER ASSEMBLY .....	A	1
2	3	'A0FF	985-00-244-1693	1006	M-D-561881	CASE,MAST .....	A	1

STOCK NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
4030-00-159-7127	1	7	80058	BG-102	1	14
5120-00-169-2664	1	20	81349	GGG-H-86	1	3
4030-00-187-5261	1	2	80063	GP-112/G	1	11
4030-00-189-6154	1	13	80058	GP-113/G	1	21
4030-00-189-6155	1	16	80058	GP-2	1	2
4030-00-189-6156	1	10	80063	SC-B-99880	1	6
4030-00-189-6237	1	12	80063	SC-C-99881	1	7
5120-00-224-4105	1	3	80063	SC-D-66302	1	1
5985-00-233-9247	2	2	80063	SM-B-561884	1	9
5985-00-233-9248	1	8	80063	SM-C-561860	1	19
5985-00-233-9249	1	15	80063	SC-C-561864	1	15
5985-00-233-9252	1	9	80063	SM-C-561895-1	1	8
5985-00-237-0728	1	4	80063	SM-C-561898	1	10
5985-00-242-4286	2	1	80063	SM-D-561801	2	2
5985-00-244-1693	2	3	80063	SM-D-561868	1	16
4030-00-291-9354	1	11	80063	SM-D-561869	1	13
4030-00-298-1382	1	21	80063	SM-D-561874	1	4
5820-00-395-8307	1	1	80063	SM-D-561875	2	1
5975-00-405-4505	1	17	80063	SM-D-561878	1	18
5975-00-405-4506	1	22	80063	SM-D-561881	2	3
5975-00-405-4507	1	5	80063	SM-D-561885	1	5
5306-00-405-4588	1	6	80063	SM-D-561887	1	22
8105-00-497-9628	1	14	80063	SM-D-561889	1	17
5985-01-124-8751	1	19	80063	SM-D-561896	1	12
5985-01-133-3584	1	18	80063	SM-D-561899	1	20

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 Stateside, N.J. 07703

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 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

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO
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33

44

19

45

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

For item 2, change the NSN to read: 5835-00-134-9186.  
Reason: Accuracy.

Identify the cover on the junction box (item no. 5).  
Reason: It is a separate item and is not called out on figure 19.

Add the cover of the junction box as an item in the listing for figure 19.  
Reason: Same as above

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