

TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT

MAINTENANCE REPAIR PARTS AND

SPECIAL TOOLS LIST

FOR

ANTENNA AS-2285/ARC

(NSN 5821-00-054-6374)

AND

ANTENNA AS-2285A/ARC

(NSN 5821-01-003-0632)

HEADQUARTERS, DEPARTMENT OF THE ARMY

6 DECEMBER 1982

**DIRECT SUPPORT AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST
FOR
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(NSN 5821-00-054-6374)
AND
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(NSN 5821-01-003-0632)**

Current as of 21 July 1982

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 20282 located in the back of this manual direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSELME-MP, Fort Monmouth, NJ 07703.

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

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***This manual supersedes TM 11-5821-284-34P, 15 June 1978.**

SECTION I

INTRODUCTION

1. Scope

This manual lists spares and parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of direct support and general support maintenance of the AS-2285/ARC and AS-2285AIARC. 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:

Code	Definition
PA	Item procured and stocked for anticipated or known usage.
PD	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.
XA	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
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
F -	Support item is removed, replaced, used at the direct support level.
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 Federal Supply Code for Manufacturer (FSCM). The FSCM is a 5-digit numeric code listed in SB 708-41142 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. When the part to be used differs between model numbers (i.e., 437S-1, 437S1A etc.) the model numbers are shown as the last line of the description.

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 AS-2285/ARC and AS-2285A/ARC and their components: TM 11-5821-284-20, Blade Antenna AS-2885/ ARC TM 11-5821-284-35, Blade Antenna AS-22851/ ARC

b. 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: 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 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 the repair parts list.

6. Abbreviations

Not applicable.

(Next printed page is 4)

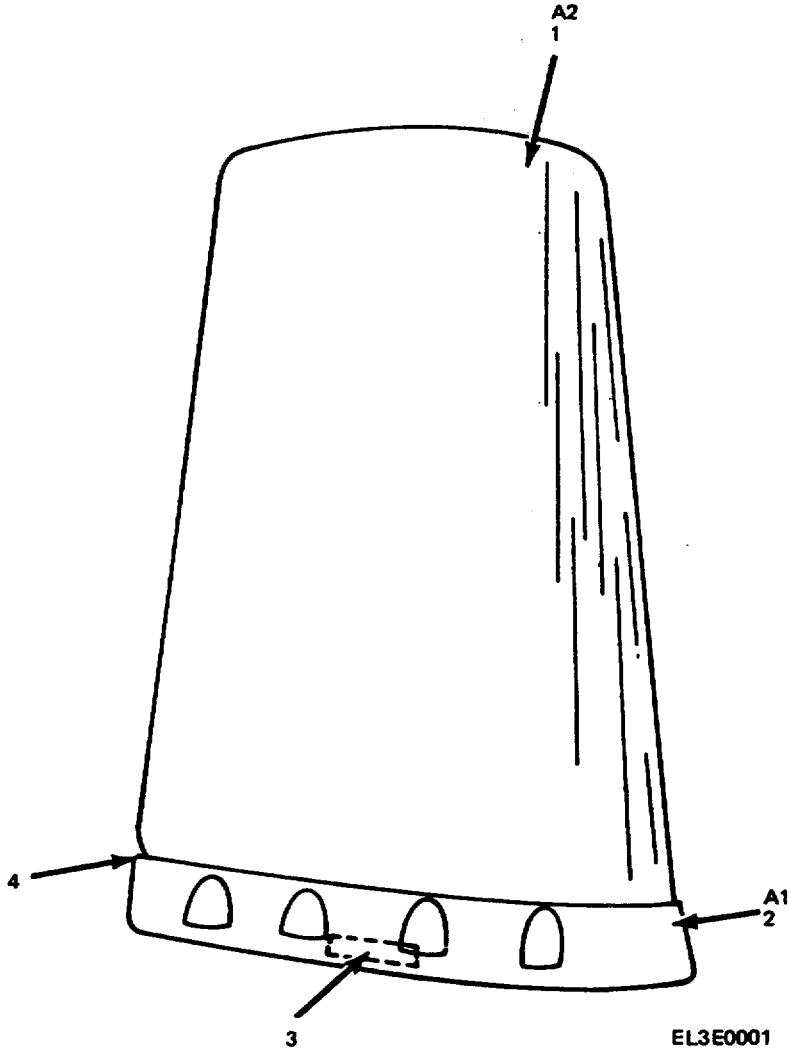
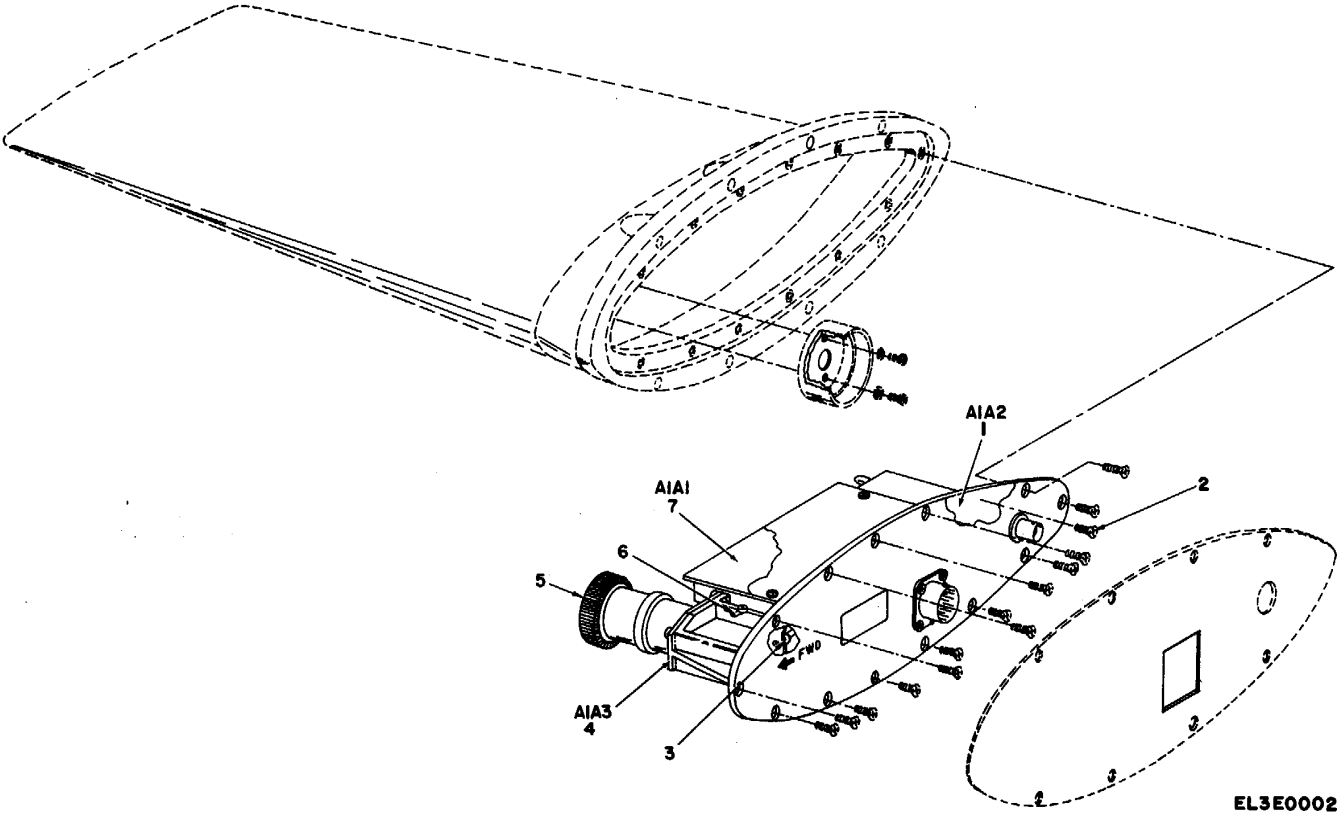


Figure 1. Antenna AS/2285/ARC and AS-2285A/ARC.

SECTION II

TM 11-5821-2849-34P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 00 ANTENNA AS-22185ARC AND ANTENNA AS-2285SA/ARC		
1	1	PAHZZ	5821-00-490-7601	13499	771-7298-001	RADOME ASSEMBLY 2BS	EA	1
1	2	XDFHH		13499	771-7334-001	COUPLER ASSEMBLY USED ON MODEL NUMBERS 437S-1 AND 437S-1A 2BS	EA	1
1	2	XDFHH		13499	75-4930-001	COUPLER ASSEMBLY USED ON MODEL NUMBER 437S-1B 2BS	EA	1
1	2	PAFHH		13499	785-4940-001	COUPLER ASSEMBLY USED ON MODEL NUMBER 437S-1C ELK	EA	1
1	3	XDHZZ		13499	711-1293-001	PLAT 2BS	EA	1
1	4	PAHZZ	5330-00-134-3099	13499	771-7320-001	GASKET 28S	EA	1
					5			



EL3E0002

Figure 2. Coupler Assembly.

SECTION II

TM 11-5821-2849-34P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 01 COUPLER ASSEMBLY		
2	1	PAHZZ	5821-00-134-0892	13499	774-6898-001	PHASE, DISCRIMINATOR USED ON MODEL NUMBERS 437S-1 437S-1A AND 437S-1C.....	EA	1
2	1	PAHZZ	5821-00-134-0892	13499	785-4926-001	PHASE, DISCRIMINATOR USED ON MODEL NUMBER 437S-1B.....	EA	1
2	2	XAHZZ		96906	MS51959-14	SCREW, MACHINE.....	EA	14
2	3	PAHZZ	5821-00-134-0872	13499	771-7301-001	SPACER, SHAFT.....	EA	1
2	4	PAHZZ	5821-00-134-0873	13499	771-7335-001	GEAR TRAIN ASSEMBLY.....	EA	1
2	5	PAHZZ	5910-00-003-2563	33562	HVT12	CAPACITOR, VARIABLE.....	EA	1
2	6	PAHHZ	5940-00-644-81221	77147	4007-4HT	TERNINAL, LUG.....	EA	2
Z	7	PAHZZ	5821-00-134-0868	13499	770-4973-001	SERVO AMPLIFIER ASS USED ON MODEL NUMBERS 437S-1 AND 437S-1A.....	EA	1
2	7	XDHZZ	5821-00-134-0868	13499	785-4932-001	SERVO AMPLIFIER ASS USED ON MODEL NUMBER 437S-1B.....	EA	1
2	7	PAHZZ	5821-00-004-1884	13499	785-4939-001	CIRCUIT CARD ASSEB USED ON MODEL NUMBER 431S-1C.....	EA	1

NATIONAL STOCK NUMBER AND PART NUMBER

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5910-00-003-2S63	2	5	5821-00-134-0892	2	1
5821-00-004-1884	2	7	5821-00-134-0892	2	1
5821-00-134-0868	2	7	5330-00-134-3099	1	4
5821-00-134-0868	2	7	5821-0090-7601	1	1
5821-00-134-0872	2	3	5940-00-644-8722	2	6
5821-00-134-0873	2	4			

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
33562	HVT12	2	5	13499	771-7334-001	1	2
96906	MS51959-14	2	2	13499	771-7335-001	2	4
77147	4007-4HT	2	6	13499	774-6898-001	2	1
13499	770-4973-001	2	7	13499	785-4926-001	2	1
13499	771-7293-001	1	3	13499	785-4930-001	1	2
13499	771-7298-001	1	1	13499	785-4932-001	2	7
13499	771-7307-001	2	3	13499	785-4939-001	2	7
13499	771-7320-001	1	4	13499	785-4940-001	1	2

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