
TECHNICAL MANUAL

ORGANIZATIONAL AND DIRECT SUPPORT MAINTENANCE

REPAIR PARTS AND SPECIAL TOOLS LISTS

FOR

CONTROL INDICATOR C-8157/ARC

(NSN 5821-00-926-7230)

AND

MOUNTING MT-3802/ARC

(NSN 5810-00-937-1036)

HEADQUARTERS, DEPARTMENT OF THE ARMY

AUGUST 1977

TECHNICAL MANUAL }
 No. 11-5895-555-23P }

HEADQUARTERS
 DEPARTMENT OF THE ARMY
 WASHINGTON, DC, 19 August 1977

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Current as of 16 May 1977

REPORTING OF ERRORS

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*This manual supersedes TM 11-5895-555-25P, 29 August 1969.

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 and direct support maintenance of the C-8157/ARC and MT-3802/ARC. 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 Lists 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.
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:

<i>Code</i>	<i>Application/Explanation</i>
O —	Support item is removed, replaced, used at the organizational level.
F —	Support item is removed, replaced, used at the direct 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:

<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 —	Reparable 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. 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.

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 MT-3802/ARC and C-8157/ARC and its components:

TM 11-5895-555-24, Control Indicator C-8157/ARC and Mounting MT-3802/ARC

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 Parts 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.)

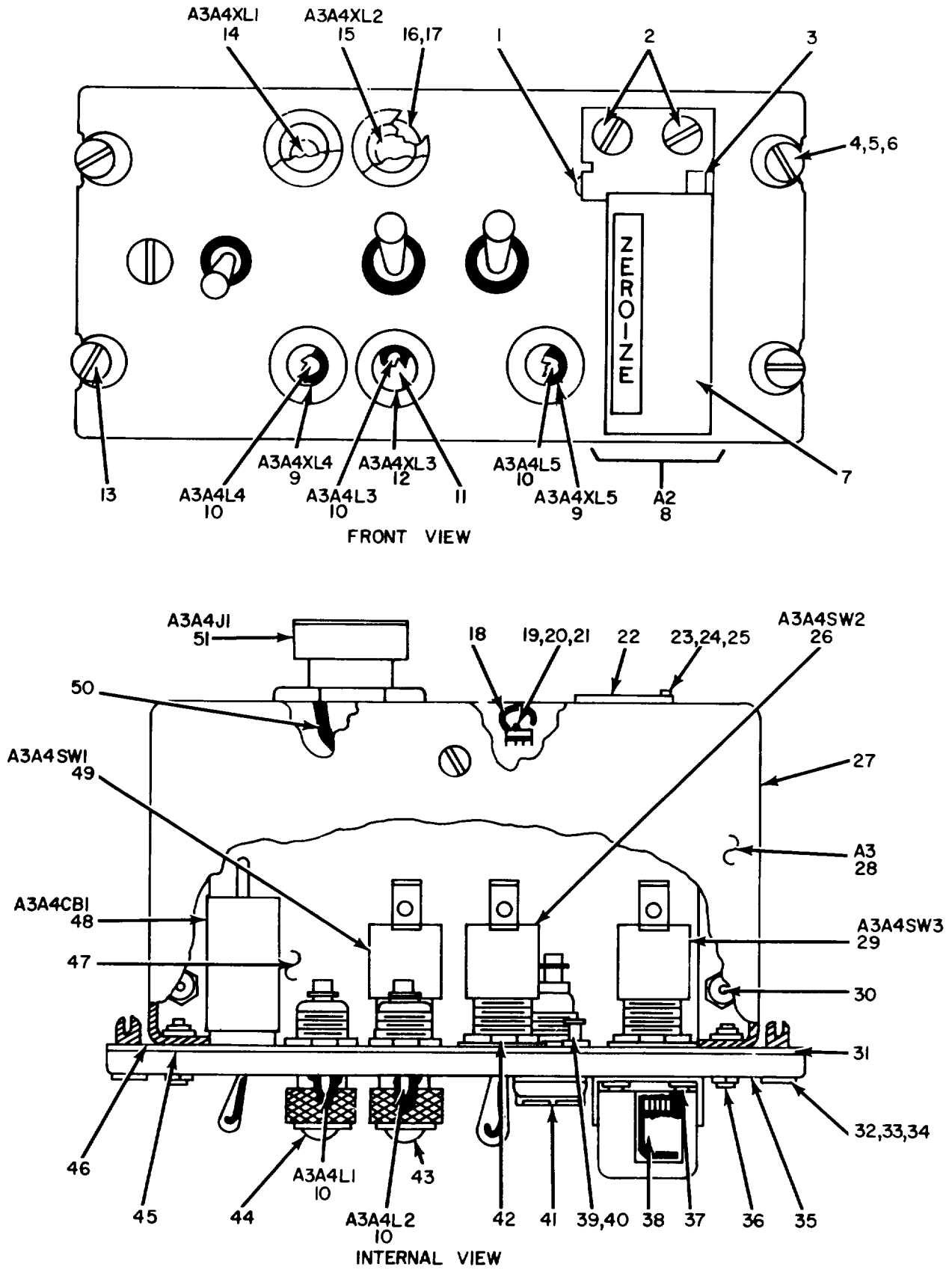


Figure 1. Control Indicator C-8157/ARC.

EL3V0001

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(A) FIG. NO.	(B) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	QTY INC IN UNIT
GROUP 00 CONTROL INDICATOR C-8157/ARC								
1	1	XDFZZ		SMB535624	21246	RIVET,TUBULAR	EA	1
1	2	PAFZZ	5305-00-889-3000	MS35206-230	96906	SCREW,MACHINE	EA	2
1	3	XDFZZ		SMB535622	21246	BRACKET,MOUNTING	EA	1
1	4	XDFZZ		SMB535638	80063	GROMMET,TURNLOCK	EA	4
1	5	XDFZZ		SMB535637	80063	STUD,TURNLOCK	EA	4
1	6	PAFZZ	5325-00-171-4680	53-175	72794	LOCKSPRING	EA	4
1	7	XDFZZ		SMC535621	21246	COVER,SWITCH	EA	1
1	8	PAFZZ	5930-00-134-5280	SMC535620	80063	GUARD,SWITCH	EA	1
1	9	XDOZZ		MS250104-11A	96906	INDICATOR LIGHT	EA	2
1	10	PAOZZ	6240-00-155-7836	MS25237-327	96906	LAMP,INCANDESCENT	EA	5
1	11	PAOZZ	6210-00-145-1164	11-0113-200	72619	LENS,INDICATOR,GREEN LIGHT	EA	1
1	12	XDOZZ		SMB535642-2	80063	INDICATOR LIGHT,GRN	EA	1
1	13	PAFZZ	5325-00-351-4597	PFSC3-1-2-38A	72794	FASTENER,TURNLOCK	EA	8
1	14	PAOZZ	6210-00-819-8660	11-3730-0112-201	72619	INDICATOR LIGHT,AMB	EA	1
1	15	PAOZZ	6210-00-635-3776	11-3730-0113-201	21246	INDICATOR LIGHT,RED	EA	1
1	16	PAOZZ	5310-00-616-2973	MS25002-21	96906	NUT,PLAIN,HEXAGON	EA	1
1	17	PAOZZ	5310-00-543-4652	MS35333-69	96906	WASHER,LOCK	EA	1
1	18	PAOZZ	5340-00-834-8789	MS25281F5	96906	CLAMP,LOOP	EA	1
1	19	PAOZZ	5310-00-045-4007	MS35338-41	96906	WASHER,SPLIT	EA	1
1	20	PAOZZ	5310-00-934-9747	MS35649-262	96906	NUT,PLAIN,HEXAGON	EA	1
1	21	PAOZZ	5305-00-059-4553	MS35190-238	96906	SCREW,MACHINE	EA	1
1	22	XDFZZ		SMC535627	80063	PLATE,IDENTIFICATION	EA	1
1	23	PAFZZ	5305-00-988-1167	MS35206-204	96906	SCREW,MACHINE	EA	4
1	24	PAFZZ	5310-00-543-5060	MS35338-39	96906	WASHER,SPLIT	EA	4
1	25	PAFZZ	5310-00-934-9738	MS35649-222	96906	NUT,PLAIN,HEXAGON	EA	4
1	26	PAFZZ	5930-00-655-1514	MS35058-22	96906	SWITCH,TOGGLE	EA	1
1	27	XOFF		SMC535632	80063	COVER,ASSEMBLY	EA	1
1	28	XDOFF		SMC535616	80063	CONTROL ASSEMBLY	EA	1
1	29	PAFZZ	5930-00-655-1522	MS35058-30	96906	SWITCH,TOGGLE	EA	1
1	30	PAOZZ	5305-00-995-6653	MS35190-222	96906	SCREW,MACHINE	EA	4
1	31	XDOFF		SMC535631	80063	PANEL ASSEMBLY	EA	1
1	32	XDFZZ		SMB535644	80063	CUP,FASTENER	EA	8
1	33	XDFZZ		SMB535643	80063	SPRING,FASTENER	EA	8
1	34	XDFZZ		SMB535640	80063	STUD,FASTENER	EA	8
1	35	PAFZZ	5821-00-435-4735	SMC535615	80063	PANEL,IND LT XMTG	EA	1
1	36	PAFZZ	5305-00-889-3001	MS35206-231	96906	SCREW,MACHINE	EA	2
1	37	XDFZZ		79NC1-40	72962	NUT,PLAIN,CLINCH	EA	2
1	38	XDFZZ		SMB535623	21246	SPRING,SPL TORSION	EA	1
1	39	PAFZZ	5940-00-082-4890	3610-2	05791	TERMINAL,STUD	EA	2
1	40	XDFZZ		SMB535633	80063	NUT,PLAIN,CLINCH	EA	2
1	41	PAOZZ	6210-00-548-0125	MS25010-11A	96906	LENS,INDICATOR LT	EA	1

SECTION II

TM11-5895-555-23P

ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG. NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	UM	QTY INC IN UNIT
1	42	XDFZZ		SMB535635	80063	NUT,PLAIN,CLINCH	EA	4
1	43	PAOZZ	6210-00-754-5547	11-0111-200	72619	LENS,INDICATOR,AMBER LIGHT	EA	1
1	44	PAOZZ	6210-00-145-1156	11-0112-200	72619	LENS,INDICATOR,RED LIGHT	EA	1
1	45	PAOHH	5821-00-435-4734	SMC535630	80063	PANEL ASSEMBLY	EA	1
1	46	XDFZZ		SMC535619	80063	COVER,CONTROL	EA	1
1	47	XDFZZ		SMC535626	80063	COVER ASSEMBLY	EA	1
1	48	PAFZZ	5925-00-111-1731	SMB535641	80063	CIRCUIT BREAKER	EA	1
1	49	PAFZZ	5930-00-655-1582	MS35059-23	96906	SWITCH,TOGGLE	EA	1
1	50	PAOHH	5995-00-453-9434	SMC535628	80063	WIRING HARNESS ASSY	EA	1
1	51	PAFZZ	5935-00-813-4721	MS3114E12-10P	96906	CONNECTOR,RCPT,ELEC	EA	1
						6/(7 blank)		

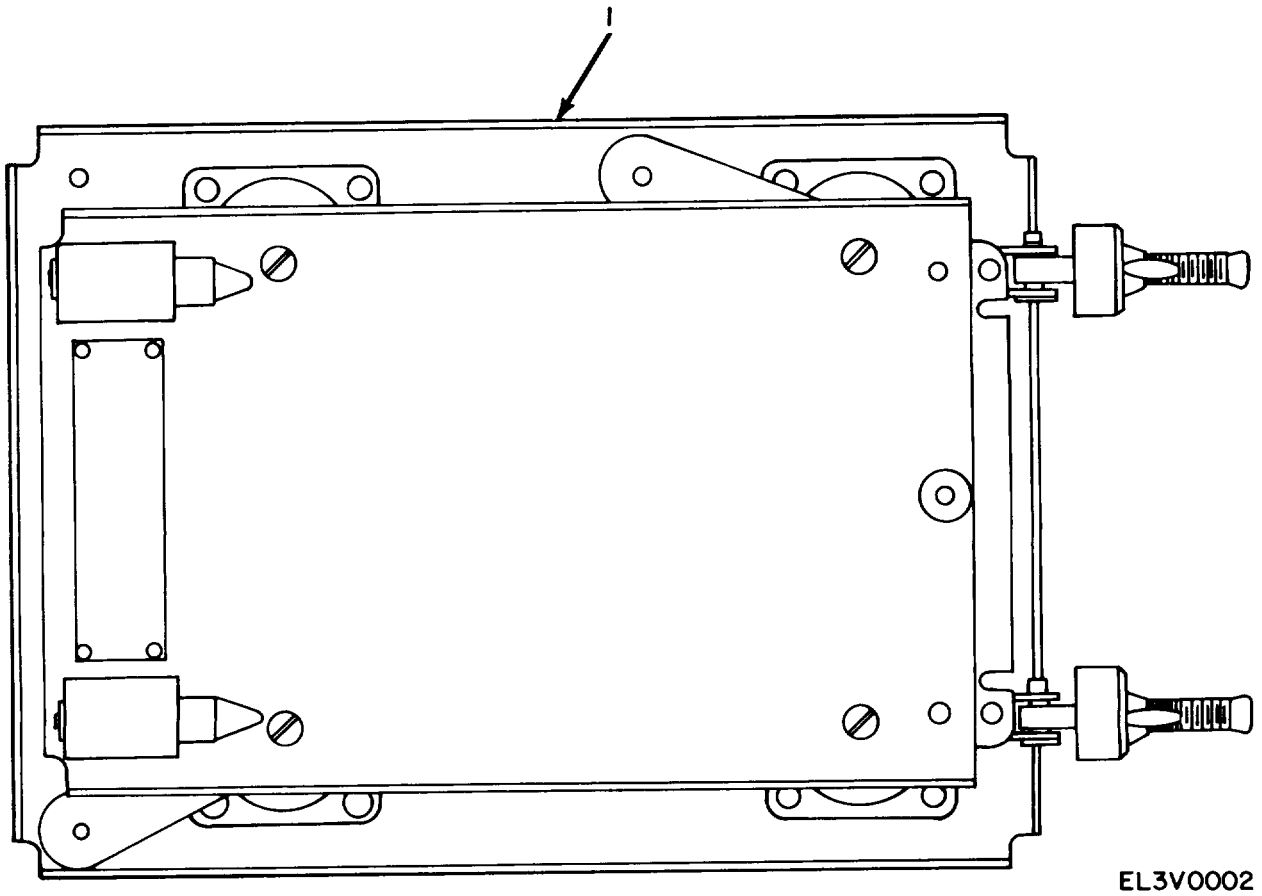


Figure 2. Mounting MT-3802/ARC.

SECTION II

TM11-5895-555-23P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
2	1	PAOZZ	5810-00-937-1036	MT-3802/ARC	80058	GROUP 00 MOUNTING MT-3802/ARC MOUNTING	EA	1

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5310-00-045-4007	1	19	6210-00-548-0125	1	41
5305-00-059-4553	1	21	5930-00-655-1514	1	26
5925-00-111-1731	1	48	5930-00-655-1522	1	29
5930-00-134-5280	1	8	5930-00-655-1582	1	49
6210-00-145-1156	1	44	6210-00-754-5547	1	43
6210-00-145-1164	1	11	5935-00-813-4721	1	51
6240-00-155-7836	1	10	5340-00-834-8789	1	18
5325-00-351-4597	1	13	5305-00-889-3000	1	7
5821-00-435-4734	1	45	5305-00-889-3001	1	36
5821-00-435-4735	1	35	5310-00-934-9738	1	25
5995-00-453-9434	1	50	5310-00-934-9747	1	20
5310-00-543-5060	1	24	5305-00-988-1167	1	23
			5305-00-995-6653	1	30

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
MS25010-11A	96906	1	41	SMB535637	80063	1	5
MS250104-11A	96906	1	9	SMB535638	80063	1	4
MS25237-327	96906	1	10	SMB535640	80063	1	3 4
MS25281F5	96906	1	18	SMB535641	80063	1	48
MS3114E12-10P	96906	1	51	SMB535642-2	80063	1	12
MS35058-22	96906	1	26	SMB535643	80063	1	33
MS35058-30	96906	1	29	SMB535644	80063	1	32
MS35059-23	96906	1	49	SMC535615	80063	1	35
MS35190-222	96906	1	30	SMC535616	80063	1	2 8
MS35190-238	96906	1	21	SMC535619	80063	1	46
MS35206-204	96906	1	23	SMC535620	80063	1	8
MS35206-230	96906	1	2	SMC535621	21246	1	7
MS35206-231	96906	1	36	SMC535626	80063	1	47
MS35338-39	96906	1	24	SMC535627	80063	1	22
MS35338-41	96906	1	19	SMC535628	80063	1	50
MS35649-222	96906	1	25	SMC535630	80063	1	45
MS35649-262	96906	1	20	SMC535631	80063	1	31
PFSC3-1-2-38A	72794	1	13	SMC535632	80063	1	27
SMB535622	21246	1	3	11-0111-200	72619	1	43
SMB535623	21246	1	38	11-0112-200	72619	1	44
SMB535624	21246	1	1	11-0113-200	72619	1	11
SMB535633	80063	1	40				
SMB535635	80063	1	42				

LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIG. NO.	ITEM NO.
5940-00-082-4890	1	39
5325-00-171-4680	1	6
5310-00-543-4652	1	17
5310-00-616-2973	1	16
6210-00-635-3776	1	15
6210-00-819-8660	1	14
5810-00-937-1036	2	1

LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
MS25002-21	96906	1	16
MS35333-69	96906	1	17
MT-3802/ARC	80058	2	1
11-3730-0112-201	72619	1	14
11-3730-0113-201	21246	1	15
3610-2	05791	1	39
53-175	72794	1	6
79NC1-40	72962	1	37

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL MANUALS



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DATE 10 July 1975

PUBLICATION NUMBER

TM 11-5840-340-12

DATE

23 Jan 74

TITLE

Radar Set AN/PSC-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.
2-25	2-28		
3-10	3-3		3-1
5-6	5-8		
		FO3	

Recommend that the installation antenna alignment procedure be changed throughout to 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 10 knots, and has a tendency to rapidly accelerate and decelerate as it hunts, causing strain to the drive train. Hunting is minimized by adjusting the lag to 2° without degradation of operation.

Item 5, Function column. Change "2 db" to "3db."

REASON: The adjustment procedure for the TRANS POWER FAULT indicator calls for a 3 db (500 watts) adjustment to light the TRANS POWER FAULT indicator.

Add new step f.1 to read, "Replace cover plate removed in step e.1, above."

REASON: To replace the cover plate.

Zone C 3. On J1-2, change "+24 VDC to "+5 VDC."

REASON: This is the output line of the 5 VDC power supply. + 24 VDC is the input voltage.

TEAR ALONG DOTTED LINE

TYPED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SSG I. M. DeSpirito 999-1776

SIGN HERE:

SSG I. M. DeSpirito

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PARA-GRAPH

FIGURE NO.

TABLE NO.

TEAR ALONG DOTTED LINE

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