TECHNICAL MANUAL

# OR6ANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS FOR MAINTENANCE KIT, ELECTRONIC EQUIPMENT MK-733/ARC-54 (NSN 5821-00-901-4327)

HEADQUARTERS, DEPARTMENT OF THE ARMY OCTOBER 1978

TECHNICAL MANUAL

No. 11-6625-601-20P

HEADQUARTERS DEPARTMENT OF THE ARMY WASHINGTON, DC 17 October 1978

## ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS FOR

## MAINTENANCE KIT, ELECTRONIC EQUIPMENT MK-733/ARC-54 (NSN 5821-00-901-4327)

Current as of 14 June 1978

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<sup>\*</sup>This manual supersedes TM 11-6625-601-20P, 31 December 1976.

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Code

#### 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 MK-733/ARC-54. 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.

Definition

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 codes 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

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:

Code Application/Explanation

- F The lowest maintenance level capable of complete repair of the support item is the direct support level.
- D The lowest maintenance level capable of complete repair of the support item is the depot 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

Definition

- Z Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
- F Reparable item. When uneconomically reparable, condemn and dispose at the direct support level.

*Recoverability Code* 

- Definition
- 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. 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

a. The following publications pertain to the

MK-733/ARC-54 and its components:

TM 11-5840-270-24-1, Indicator ID-48/ARN

TM 11-6625-601-12, Maintenance Kit, Electronic Equipment MK-733/ARC54

*b.* The illustrations in this manual are identical to those published in TM 11-6625-601-34P. 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 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.

#### 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 5)

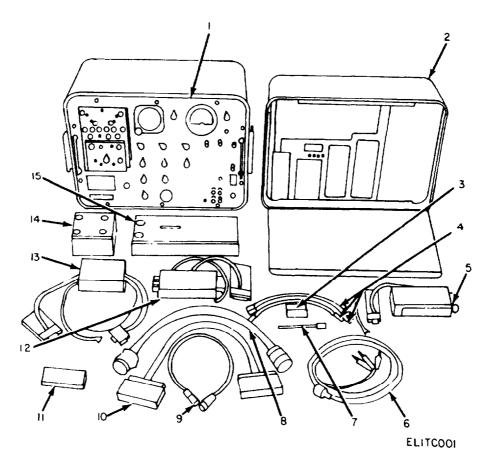
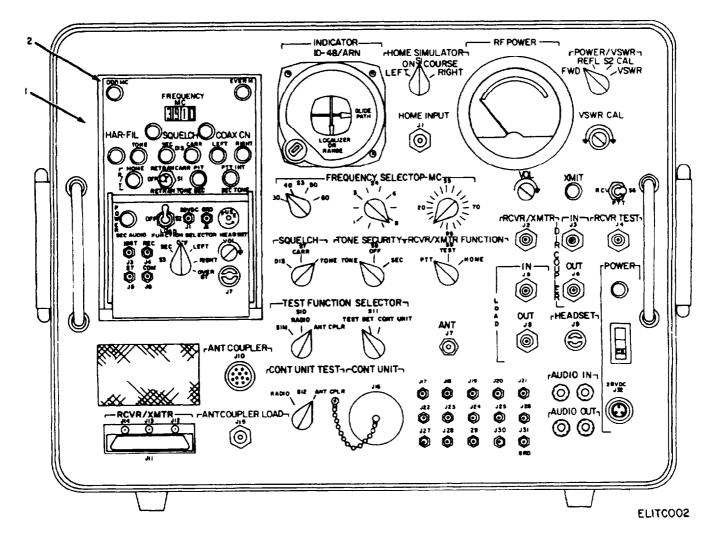


Figure 1. Maintenance Kit, Electronic Equipment MK-733/ARC-54.

(1 ILLUSI	) RATION	(2) SMR	(3) NATIONAL	(4) PART	(5) FSCM	(6) DESCRIPTION	(7) UNIT	(8) OTY
(A) FIG NO.	(B) ITEM NO.	CODE	STOCK NUMBER	NUMBER		USABLE ON CODE	O F MEAS	INC IN UNIT
						GROUP 00 MAINTENANCE KIT, ELECTRONIC		
						EQUIPMENT MK-733/AARC-54		
1	1	PDOFD	6625-00-901-2972	TS-1967-54	80058	TEST SET, RADIO TS-1967/ARC-54	EA	1
1	2	XDOFD	6625-00-906-1171	OW-711/ARC-54	80058	CASH, MAINTENANCE OW-711/ARC-54	EA	1
1	3	PAOZZ	5821-00-001-8571	UC-1678/U	80058	ADAPTER, CONNECTOR UC-1678/U	EA	1
1	4	PAOFF	5995-00-935-5762	CC4098/U	80058	CABLE ASSEMBLY CC-4098/U	EA	3
1	5	PAOFF	6625-00-906-1175	MX-4930/ARC-54	80058	EXTENDER MODULE MX-4930/ARC-54	EA	1
1	6	PAOFF	5995-00-901-4340	CX-11136/ARC-54	80058	CABLE ASSEMBLY CX11136/ARC-54	EA	1
1	7	PAOFF	5985-00-985-9023	AS-1487/ARC-54	80058	ANTENNA AS-1487/ARC-54	EA	1
1	8	PAOFF	5995-00-901-4355	CX-9071/ARC-54	80058	CABLE ASSEMBLY CX-9071/ARC-54	EA	1
1	9	PAOFF	5995-00-901-4334	CX-9070/ARC-54	80058	CABLE ASSEMBLY CX-9070/ARC-54	EA	1
1	10	PAOFF	5995-00-901-4337	CX-9072/ARC-54	80058	CABLE ASSEMBLY CX-9072/ARC-54	EA	1
1	11	PDODD	5180-00-900-8041	TX-156/ARC-54	80058	TOOL KIT, ELECTRONIC EQUIPMENT TK-156/ARC-54	EA	1
1	12	PAOFF	6625-00-906-1174	MX-4931/ARC-54	80058	EXTENDER MODULE MX-4931/ARC-54	EA	1
1	13	PAOFF	6625-00-906-1177	MX-4934/ARC-54	80058	EXTENDER MODULE MX-4934/ARC-54	EA	1
1	14	PAOFF	6625-00-906-1176	MX-4932/ARC-54	80058	EXTENDER MODULE MX-4932/ARC-54	EA	1
1	15	PAOFF	6625-00-906-1173	MX-4933/ARC-54	80058	EXTENDER MODULE MX-4933/ARC-54	EA	1





(1)		(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	2	PDOFD	6625-00-906-1172			GROUP 11 TEST SET, RADIO TS-1967/ARC-54 SIMULATOR, TEST SET SM-349/ARC-54	EA	1

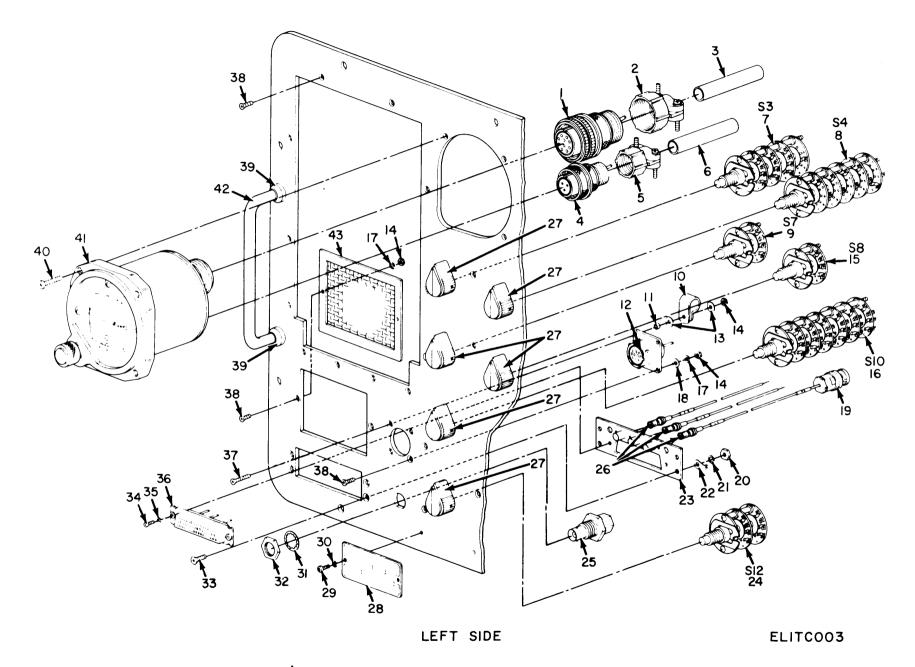


Figure 3. Front Panel Assembly (SMB-504958) (Sheet 1 of 2).

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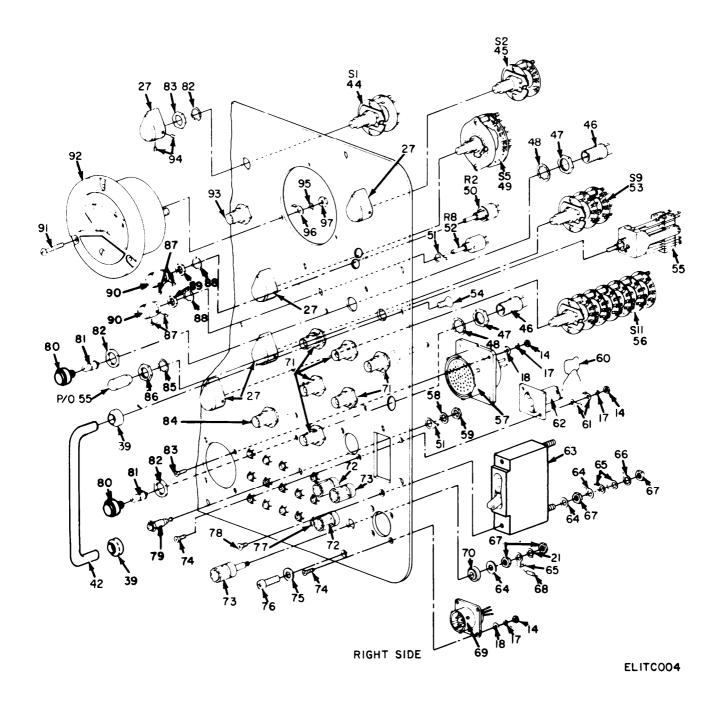
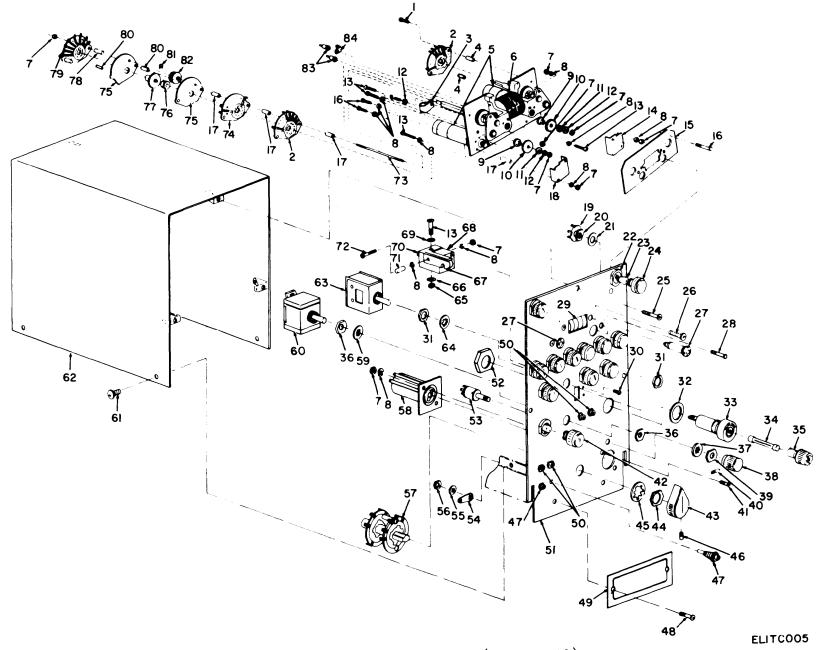


Figure 3. Front Panel Assembly (SMB-504958) (Sheet 2 of 2).

SECTIO (1) ILLUST	N II RATION	(2)	(3)	(4)	(5)	TM11-6625-601-20P (6)		(7)	(8) OTY
(A) FIG NO	(B) ITEM NO	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	U/M	INC IN UNIT
						GROUP 1101 FRONT PANEL ASSEMBLY (SM-504958)			
3	27	PAOZZ	5355-00-616-9604	MS91528-1P2B	96906	KNOB		EA	11
3	41	PDODD	6610-00-839-8638	ID-48/ARN	80058	INDICATOR, COURSE ID-48/ARN		EA	1
3	80	XDOZZ		9105OM56	87034	LENS, INDICATOR LIGHT, RED		EA	2
3	81	PAOZZ	6240-00-155-7836	MS25237-327	96906	LAMP, INCANDESCENT		EA	2
3	90	PAOZZ	5355-00-813-2078	MS51528-OD1B	96906	KNOB		EA	2
3	94	XDOZZ		RAYMS91528-1P2B	30972	SETSCREW		EA	22



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Figure 4. Front Panel Assembly (SMB-504943).

(1) (2) (3) (4) (5) (6) ILLUSTRATION		(7)	(8) OTY
Industriation Description   (A) (B) NATIONAL DESCRIPTION   FIG ITEM SMR STOCK PART   NO NO CODE NUMBER NUMBER FSCM	USABLE ON CODE	U/M	INC IN UNIT
GROUP 110203 FRONT PANEL ASSEMBLY (SMB-504943	)		
4 23 PAOZZ 6240-00-155-7836 MS25237-327 96906 LAMP, INCANDESCENT		EA	12
4 24 PAOZZ 6210-00-169-5157 SMC-508425-2 80063 LENS, INDICATING LIGHT, GREEN		EA	11
4 34 XDOZZ SMC-508344-2 80063 FUSE,CARTRIDGE		EA	1
4 35 XDOZZ RAYC508373-1 30972 CAP, ELECTRICAL, FUSEHOLDER		EA	1
4 38 PAOZZ 5355-00-813-2078 MS91528-OD1B 96906 KNOB		EA	1
4 40 PAOZZ 5305-00-717-6950 MS51963-9 96906 SETSCREW, HEXAGON HEAD		EA	2
4 42 XDOZZ 91050M56 87034 LENS, INDICATING LIGHT, RED		EA	1
4 43 PAOZZ 5355-00-616-9604 MS91528-1P2B 96906 KNOB		EA	1
4 46 XDOZZ RAYMS915828-1P2B1 30972 SETSCREW, HEXAGON HEAD		EA	2

NOTE: LATEST NATIONA STOCK NUMBER 5821-00-001-8571 6240-00-155-7836 6240-00-155-7836 6210-00-169-5157 5355-00-616-9604 5355-00-616-9604 5305-00-717-6950	FIGURE NO 1 3 4 4 3 4 3 4	ER AND PART N ITEM NO 3 81 23 24 27 43 40	UMBER ASSIGNMENTS ARE : STOCK NUMBER 5995-00-901-4334 5995-00-901-4335 5995-00-901-4337 5995-00-901-4340 6625-00-906-1172 6625-00-906-1173 6625-00-906-1174	INCLUDED AT END OF INDEX FIGURE NO 1 1 1 2 2 1	ITEM NO 9 8 10 6 2 15 12		
5355-00-813-2078 5355-00-813-2078	4 3 4	90 38	6625-00-906-1175 6625-00-906-1176	1	5 14		
6610-00-839-8638	3	41	6625-00-906-1177	1	13		
5180-00-900-8041 6625-00-901-2972	1	11 1	5995-00-933-5782 5985-00-985-9023	1	4		
0023-00-901-2972	1	-		-	/		
PART NUMBER	FSCM	FIGURE NO	ITEM NO	PART NUMBER	FSCM	FIGURE NO	ITEM NO
AS-1487/ARC-54 CG-409G/U CW-711/ARC-54 CX-11136/ARC-54 CX-9070/ARC-54 CX-9071/ARC-54 CX-9072/ARC-54 ID-48/ARN MS25237-327 MS25237-327 MS91528-0D1B MS91528-0D1B MS91528-1P2B MS91528-1P2B MS91528-1P2B MS91528-1P2B	80058 80058 80058 80058 80058 80058 80058 80058 96906 96906 96906 96906 96906 96906 80058	1 1 1 1 1 3 3 4 3 4 3 4 1 2 4 1 2 2 2 2 2 2 2 2 2 2 2 2 2	7 4 2 6 9 8 10 41 81 23 90 38 27 43 5	MX-4931/ARC-54 MX-4932/ARC-54 MX-4933/ARC-54 RAYC508373-1 RAYMS91528-1P2B1 RAYMS915828-1P2B1 SMC-508344-2 SMC-508344-2 SMC-508425-2 SM-349/ARC-54 TX-156/ARC-54 TX-156/ARC-54 UG-1678/U 91050M56 91050M56	80058 80058 80058 30972 30972 80063 80063 80063 80058 80058 80058 80058 80058 87034 87034	1 1 1 4 3 4 4 4 4 2 1 1 1 3 4	12 14 15 35 94 46 34 24 2 11 1 3 80 42
LATEST NATIONAL STOCK							

STOCK NUMBER	FIGURE NO.	ITEM NO.	
6625-00-906-1171	1	2	
LATEST PART NUMBER A	SSIGNMENTS		
PART NUMBER	FSCM	FIG NO	ITEM NO
MS51963-9	96906	4	40

12

	-			SOMETHING WRONG WITH THIS MAN
			DOPE FORM.	JOT DOWN THE ABOUT IT ON THIS TEAR IT OUT, FOLD D DROP IT IN THE Commander Stateside Army Depot ATTN: AMSTA-US Stateside, N.J. 07703 DATE 10 July 1975
PUBLICAT	ION NUMBE	R		
נו אד	-5840 -:	340-12	_	23 Jan 74 Radar Set AN/25-76
PAGE NO.	PARA-	·····	TABLE	AND WHAT SHOULD BE DONE ABOUT IT:
2-25	<b>драрн</b> 2-28		NO.	Recommend that the installation antenna alignme procedure be changed throughout o specify a $2^{\circ}$ antenna lag rather than $1^{\circ}$ .
				REASON: Experience has shown that with only a the antenna servo system is too sensitive to will gusting in excess of $05$ knots, and has a tendem rapidly accelerate and recelerate as it hunts, strain to the drive train. Hunting is minimized adjusting the lag to $2^{\circ}$ without degradation of $0^{\circ}$
3-10	3-3		3-1	Item 5, Function column. Change "2 db" to "3db." REASON: The emjustment procedure for the TRANS FAULT indicator calls for a 3 db (500 watts) add ment to light the TRANS POWER FAULT indicator.
5-6	5-8			Add new step f.l to read, "Replace cover plate r in the e.l, above." REASON: To replace the cover plate.
		FO3	Ę	Zone C 3. On J1-2, change "+24 VDC to "+5 VDC." REASON: This is the output line of the 5 VDC no
				supply. + 24 VDC is the input voltage.
	e. grade M. De			ELEPHONE NUMBER SIGN HERE: 999-1776

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