

TECHNICAL MANUAL
DIRECT SUPPORT AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND
SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS)
FOR
SATELLITE COMMUNICATION
TERMINALS
AN/MSC-64(V)1 (NSN 5895-01-112-5836)
AN/MSC-64(V)2 (NSN 5895-01-088-2679)
AND
AN/MSC-64(V)3 (NSN 5895-01-112-5838)

HEADQUARTERS, DEPARTMENT OF THE ARMY

27 AUGUST 1984

TECHNICAL MANUAL }
No. 11-5895-1104-34P }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 27August 1984

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REPAIR PARTS AND SPECIAL TOOLS LIST
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Current as of 2 August 1984

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 2028-2 located in the back of this manual direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DR-SEL-ME-MP, Fort Monmouth, NJ 07703-5007.
In either case, a reply will be furnished direct to you.

Table of Contents

SECTION		Page	Illus Figure
	I. Introduction	1	
	II. Repair Parts List.....	5	
GROUP	00 Satellite Communication Terminal AN/MSC-64(V)2 (706764-801).....	5	1
	01 Radio Receiver-Transmitter RT-13361G (1) (See TM 11-5895-1110-24P for parts)		
	02 Wide Band Pass Filter F-1506/G (2).....	11	2
	03 Modem, Digital Data MD- 1094/G (3) (See TM 11-5895-1108-24P for parts)		
	04 Control Modem C- 10812/G (41 (See TM 11-5895-1108-24P for parts)		
	05 Power Conditioner, Remote (9) (535281-1).....	13	3
	Rear Chassis Assembly (167950- 1)	21	4
	Circuit Card Assembly (167950-1-M22)	27	5
	Front Panel Assembly (167960-8)	35	6

GROUP		Illus	
		Page	Figure
06	Power Supply PP-76241MSC (6) (914649-801).....	39	7
	0601 Subchassis Assembly (914896-801)	49	8
	060101 Input Control Assy (810298-801).....	55	9
	0602 Electronics Tray (914733-801)	59	10
	060201 Heat Sink Assembly (914735-801).....	65	11
07	Antenna, Low Gain AS-3439/G (7) 1626170-1) (No parts authorized)		
08	Antenna, High Gain AS-3438iG (8) 1626171-1) (No parts authorized)		
09	Mast Assembly AB-1287/MSC (626184-1).....	69	12
	Antenna Mount (261D1324)	75	13
	Winch Assembly (396D000023-001-70).....	79	14
10	Telephone Set TA-312/P (See TM 11-5805-201-34P for parts)		
11	Speech Equipment TSECKN-2 (No parts authorized}		
12	Interconnect Kit (914685-801)	81	1
13	Power Distribution Box (79-12059-001).....	85	16
	Chassis Assembly (79-12240-001).....	93	17
14	Input-Output Unit MX- 10159/G (5) (See TM 11-5895-1107-24P for parts)		
15	Cable Assembly, RE CG-38211MSC (565478-801).....	95	18
16	Cable Assembly, Power, Elec CX-13130/MSC (565507-801).....	97	19
17	Monitor, Carbon Monoxide Mdl-210 (No parts authorized)		
18	Shelter, Electrical Equipment S-615/MSC-64 (626173-1)	103	20
	Mechanical Shelter Assembly (79-12005-001).....	109	21
	Remote Rack Assembly (79-12023-00 1)	117	22
	Remote Rack Assembly (79-12054-001)	127	23
	Frame Assembly (79-12290-001).....	135	24
	Signal Box Assembly (79-12030-001)	139	25
	Power Box Assembly (79-12029-001)	145	26
	Switch Panel Assembly (79-12031-001).....	149	27
	UHF Rack Assembly (79-12024-001).....	157	28
	UHF Rack Assembly (79-12050-001).....	169	29
	Frame Assembly (79-12165-001).....	177	30
	Rack Assembly (79-12052-001)	185	31
	Rack Assembly (79-12053-001)	193	32
	Chair Assembly (79-12064-001).....	197	33
	Auxiliary Rack Assembly (79-12051-001).....	203	34
	Frame Assembly (79-12180-001).....	207	35
	Installation Raceway (79-12008-001).....	219	36
	Bracket Assembly (79-12009-00).....	235	37
	Bracket Assembly (79-12121-001)	239	38
	Switch Box Assembly (79-12090-001).....	243	39
	Table Assembly (79-12066-001)	247	40
	Air Duct Installation Assembly (79-12007-001)	255	41
	Modified Shelter (79-12083-001)	271	42
	Shelter	283	43
	Door Panel Assembly (7006232-501).....	289	44
	Door Panel Assembly (7006234-501).....	291	45
	Signal Box (79-12075-001).....	297	46
	Power Input Box (79-12073-001).....	303	47
	Air Duct Assembly (79-12055-001).....	307	48
	Fan Housing Assembly (79-12068)	315	49
	Duct Assembly (79-12507-001)	319	50
	ECU Control Box Assembly (79-12058-001).....	323	51
	ECU Installation (79-12006-001)	327	52
	1801 Air Conditioner CH20-4-08 (See TM 5-4120-243-24P for parts)		
	1802 Intercom VIC-1 (See TM 11-5830-340-12 for parts)		
	1803 Direct Current Heater (75-728-8) (No parts authorized)		
	1804 Fan, Fresh Air (79-12070-001)	329	53
19	Cable Assembly, Power, ElectricalCX-13131/MSC (565505-801).....	331	54
00	Satellite Communication Terminal AN/MSC-64(V)1 (706764-802) (See Figure 1 for additional parts)	333	55
01	Radio Receiver-Transmitter RT-1336/G (1) (See TM 11-5895-1110-24P for parts)		
02	Tunable Band Pass Filter F- 15061G (See Figure 2 for parts)		
03	Modem, Digital Data MD- 10941G (3) (See TM 11-5895-1108-24P for parts)		
04	Control, Modem C-108121G (4) (See TM 11-5895-1108-24P for parts)		

		Page	Illus Figure
GROUP	05 Power Conditioner, Remote (9) (535281-1) (See Figure 3 for parts) Rear Chassis Assembly (167950-1) (See Figure 4 for parts) Circuit Card Assy (167950-1 -M22) (See Figure 5 for parts) Front Panel Assembly 1167960-8) (See Figure 6 for parts)		
	06 Power Supply PP-7624/MSC (6) (See Figure 7 for parts) 0601 Subchassis Assembly (914896-801) (See Figure 8 for parts) 060101 Input/Control Assembly (810298-801) (See Figure 9 for parts) 0602 Electronics Tray (914733-801) (See Figure 10 for parts) 060201 Heat Sink Assembly (914735-801) (See Figure 11 for parts)		
	07 Antenna, Low Gain AS-34391G (7) (626170-1) (No parts authorized)		
	08 Antenna, High Gain AS-3438/G (8) (626171-1) (No parts authorized)		
	09 Mast Antenna AB-1287/MS (626174-1) (See Figure 12 for parts) Antenna Mount 1261D1324) (See Figure 13 for parts) Winch Assembly (396D00023-001-70) (See Figure 14 for parts)		
	10 Telephone Set TA-312/P (See TM 11-5805-201-34P for parts)		
	11 Speech <i>Equipment TSEC/KN-2</i> (No parts authorized)		
	12 Interconnect Kit (914685-801) (See Figure 15 for parts)		
	13 Power Distribution Box (13) (79-12059-001) (See Figure 16 for parts) Chassis Assembly (79-12240-001) (See Figure 17 for parts)		
	14 Input-Output Unit MX-J0220/G (5) (See TM 11-5895-1107-24P for parts)		
	15 Cable Assembly, RF, CG-3821/MSC (565478-801) (See Figure 18 for parts)		
	16 Cable Assembly, Power, Elec CX- 13131IMSC (565505-801) (See Figure 54 for parts)		
	17 Monitor, Carbon Monoxide MDL-210 (No parts authorized)		
	18 Shelter, Electrical Equipment S-615IMSC-64 (626173-1) (See Figure 20 for parts) Mechanical Shelter Assembly (79-12005-001) (See Figure 21 for parts) Remote Rack Assembly (79-12023-001) (See Figure 22 for parts) Remote Rack Assembly (79-12054-001) (See Figure 23 for parts) Frame Assembly (79-12290-001) (See Figure 24 for parts) Signal Box Assembly (79-12030-001)1 See Figure 25 for parts) Power Box Assembly (79-12029-001) (See Figure 26 for parts) Switch Panel Assembly (79-12031 -001) (See Figure 27 for parts) UHF Rack Assembly (79-12024-001) (See Figure 28 for parts) UHF Rack Assembly (79-12050-001) (See Figure 29 for parts) Frame Assembly (79-12165-001) (See Figure 30 for parts) Rack Assembly (79-12052-001) (See Figure 31 for parts) Rack Assembly (79-12053-001) (See Figure 32 for parts) Chair Assembly (79-12064-001) (See Figure 33 for parts) Auxiliary Rack Assembly (79-12051-001) (See Figure 34 for parts) Frame Assembly (79-12180-001) (See Figure 35 for parts) Installation Raceway (79-12008-001) (See Figure 36 for parts) Bracket Assembly (79-12009-001) (See Figure 37 for parts) Bracket Assembly 179-12121-001) (See Figure 38 for parts) Switch Box Assembly (79-12090-001) (See Figure 39 for parts) Table Assembly (79-12066-001) (See Figure 40 for parts) Air Duct Installation Assembly (79-12007-001) (See Figure 41 for parts) Modified Shelter (79-12083-001) (See Figure 42 for parts) Shelter (See Figure 43 for parts) Door Panel Assembly (7006232-501) (See Figure 44 for parts) Door Panel Assembly (7006234-501) (See Figure 45 for parts) Signal Box (79-12075-001) (See Figure 46 for parts) Power Input Box (79-12073-001) (See Figure 47 for parts) Air Duct Assembly (79-12055-001) (See Figure 48 for parts) Fan Housing Assembly (79-12068) (See Figure 49 for parts) Duct Assembly (79-12507-001) (See Figure 50 for parts) ECU Control Box Assembly (79-12058-001) (See Figure 51 for parts) ECU Installation (79-12006-001) (See Figure 52 for parts) Devanized Kit (See Figure 63 for parts) 1801 Air Conditioner CH20-4-08 (See TM 5-4120-243-24P for parts) 1802 Intercom VIC-1 (See TM 11-5830-340-12 for parts) 1803 Direct Current Heater (75-728-8) (No parts authorized) 1804 Fan, Fresh Air (79-12070-001) (See Figure 53 for parts)		
	19 Cable Assy, Power, Electrical CX-13130/MSC (565507-801) (See Figure 19 for parts)		
	20 Monitor-Satellite Simulator MX- 10209/G (20) (811403-801) (See TM 11-5895-1157-24 P for parts)		

		Page	Illus Figure
GROUP	21 Cable Assembly Group		
	2101 Cable Assembly (565980-801) (W24)	335	56
	2102 Cable Assembly (565980-802) (W25)	337	57
	2103 Cable Assembly (565980-803) (W26)	339	58
	2104 Cable Assembly (565980-804) (W27)	341	59
	2105 Cable Assembly (565980-805) (W28)	343	60
	2106 Cable Assembly (565980-806) (W29)	345	61
	00 Satellite Communication Terminal AN/MSC-64(V)3 (707216-80)) (See Figure 1 for additional parts)	347	62
	01 Radio Receiver-Transmitter RT-1336/G (1) (See TM 11-5895-1110-24P for parts)		
	02 Tunable Band Pass Filter F-1506iG (2) (See Figure 2 for parts)		
	03 Modem, Digital Data MD-1094/G (3) (See TM 11-5895-1108-24P for parts)		
	04 Control, Modem C-10812/G (4) (See TM 11-5895-1108-24P for parts)		
	05 Power Conditioner, Remote (9) (535281-1) (See Figure 3 for parts)		
	Rear Chassis Assy (See Figure 4 for parts)		
	Circuit Card Assy (167950-1-M22) (See Figure 5 for parts)		
	Front Panel Assy (167960-8) (See Figure 6 for parts)		
	06 Power Supply PP-7624-MSC (6) (See Figure 7 for parts)		
	0601 Subchassis Assy (914896-801) (See Figure 8 for parts)		
	060101 Input/Control Assy (810298-801) (See Figure 9 for parts)		
	0602 Electronics Tray (914733-801) (See Figure 10 for parts)		
	060201 Heat Sink Assy (914735-801) (See Figure 11 for parts)		
	07 Antenna, Low Gain AS-34391G (7) (626170-1) (No parts authorized)		
	08 Antenna, High Gain AS 3438/G (8) (626171-1) (No parts authorized)		
	09 Mast Assembly AB-12871MSC 1626184-1) (See Figure 12 for parts)		
	10 Telephone Set TA-312/P (See TM 11-5805-201-34P for parts)		
	11 Speech Equipment TSEC/KN-2 (No parts authorized)		
	12 Interconnect Kit (914685-801) (See Figure 15 for parts)		
	13 Power Distribution Box (Not used)		
	14 Input-Output Unit MX-10159/G (5) (See TM 11-5895-1107-24P for parts)		
	15 Filter, Radio Frequency (325192-1) (No parts authorized)		
	16 Spool, Wire RL-159/U (No parts authorized)		
	17 Shelter, Partial (Reference only)		
	1701 Remote Rack (79-12023-001) (See Figure 22 for parts)		
	1702 UHF Rack (79-12024-001) (See Figure 28 for parts)		
	18 Electrical Equipment Shelter S-615/MSC-64 (626173-1)		
	Remote Rack Assembly (79-12054-001) (See Figure 23 for parts)		
	Frame Assembly (79-12290-001) (See Figure 24 for parts)		
	Signal Box Assembly (79-12030-001) (See Figure 25 for parts)		
	Power Box Assembly (79-12029-001) (See Figure 26 for parts)		
	Switch Panel Assembly (79-12031-001) (See Figure 27 for parts)		
	UHF Rack Assembly 179-12050-001) (See Figure 29 for parts)		
	Frame Assembly (79-12165-001) (See Figure 30 for parts)		
	Devanized Kit.....	351	63
	1801 Power Distribution Panel Assembly (812767-801)	355	64
SECTION	III. Special Tools List (Not applicable)		
SECTION	IV. National Stock Number and Part Number Index	356	

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 direct support and general support maintenance of the AN/ MSC-64(V)1, 2, and 3. 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 alphanumeric 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.
------	---

PC-	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
-----	--

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.
-----	--

PE-	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
-----	--

PF-	Support equipment which will not be stocked but which will be centrally procured on demand.
-----	---

XA-	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
-----	---

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

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 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:

Code	Application/Explanation
------	-------------------------

O--	Support item is removed, replaced, used at the organizational level.
-----	--

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

Code	Application/Explanation
------	-------------------------

D- Support items that are removed, replaced, used at depot, mobile depot, specialized repair activity only.

(b) The maintenance code entered in the fourth positions 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
------	-------------------------

O- The lowest maintenance level capable of complete repair of the support item is the organizational level.

H- The lowest maintenance level capable of complete repair of the support item is the general support level.

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

L- Repair restricted to designated specialized repair activity.

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.

O- Repairable item. When uneconomically repairable, condemn and dispose at organizational level.

F- Repairable item. When uneconomically repairable, condemn and dispose at the direct support level.

H- Repairable item. When uneconomically repairable, condemn and dispose at the general support level.

D- Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.

L- Repairable item. Repair, condemnation, and disposal not authorized below depot/specialized repair activity level.

A- Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material). Refer to appropriate manuals/directives for specific instructions.

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, sub-functional group, or an assembly.

4. Special Information

a. Usable on codes are shown in the description column. Uncoded items are applicable to all models. Identification of the usable on codes used in this publication are:

Code	Used on
DUA	AN/MSC-64(V)2
ENL	AN/MSC-64(V)1
EV4	AN/MSC-64(V)3

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: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DR-SEL-MM, Fort Monmouth, NJ 07703-5007 for the part required to support your equipment.

c. The following publications pertain to the AN/MS-64(V)1, 2, and 3 and their components:

TM 5-4120-243-24P, Air Conditioner, Horizontal Compact; 18,000 BTU (Trane Models) 208V, 3 Phase, 50/60 HZ (Model MAC6H18-208-1201-02; 208 V, 3 Phase, 400 HZ (Model MAC4H-18-108-1201-03); 208 V, 1 Phase, 50/60 HZ (Model MAC6H18-230-1201-01) (Harvey W. Hottel Models); 208 V, 3 Phase, 50160 HZ (Model CH20-6-08); 208 V, 3 Phase, 400 HZ (Model CH20-4-08) Phase, 50/60 HZ and (Keko Model F18H-4) 208 V, 3 Phase, 400 Hz

TM 11-5410-213-14P, Shelters, Electrical Equipment, S-280AIG and S-280B/G

TM 11-5805-201-12, Telephone Set TA-312/PT

TM 11-5805-201-20P, Telephone Set TA-3121PT

TM 11-5805-201-34P, Telephone Set TA-312/PT

TM 11-5830-340-12, Intercommunication Set, AN/
VIC-i(V) Controls, Intercommunication Set, C-10456/VRC, C-10680/VRC and Amplifier, Audio Frequency, AM-7046/VRC

TM 11-5895-1107-24-1, Input-Output Unit
MX-10159/G (To be published.)

TM 11-5895-1108-24P, Digital Data Modem
MD-1094/G and Digital Data Modem Control
C-10812/G (To be published.)

TM 11-5895-1110-24P, Radio Receiver-Transmitter
RT- 1336/G (To be published).

TM 11-5965-262-13, Headset-Microphone, H-161/
U and H-161A/U

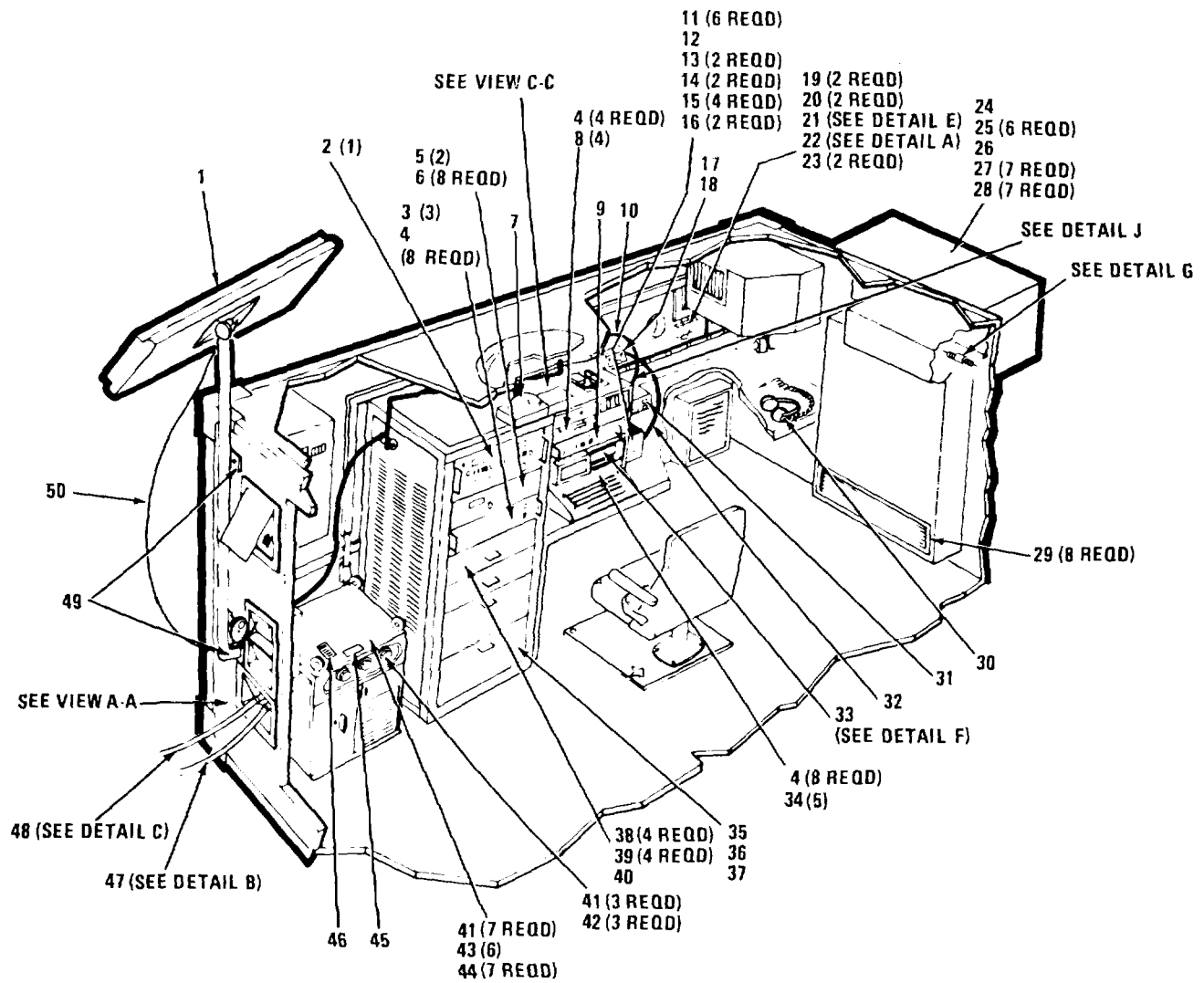
5. How to Locate Repair Parts

- 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 alphanumeric 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

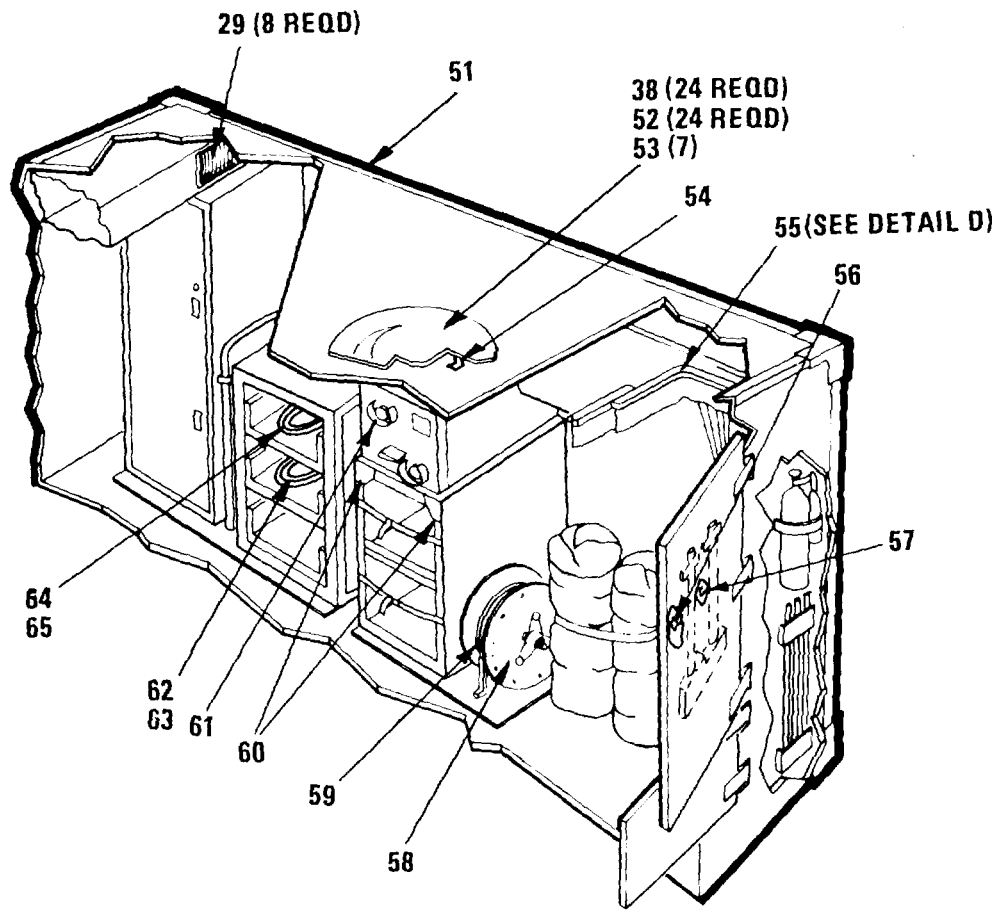
Not applicable.

(Next printed page is 4.)



EL6TC001

Figure 1. Satellite Communication Terminal AN/MS-64(V)2
(Sheet 1 of 9)



CURBSIDE ELEVATION

EL6TC002

Figure 1. Satellite Communication Terminal AN/MSC-64(V)2
(Sheet 2 of 9)