TECHNICAL MANUAL

ORGANIZATIONAL, MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST 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

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, *20 August 1984*

ORGANIZATIONAL MAINTENANCE REPAIR PARTS

AND SPECIAL TOOLS LIST

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)

Current as of 12 July 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.

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		Rear Chassis Assy (See Figure 4 for parts)		
	06	Power Supply PP-7624-MSC (6) (No parts authorized)		
	07	Antenna, Low Gain AS-3439/G (7) (626170-1) (No parts authorized)		
	08	Antenna. High Gain AS-3438/G 18) (626171-1) (No parts authorized)		
	09	Mast Assembly AB-1287/MSC 1626184-1) (See Figure 5 for parts)		
	10	Telephone Set TA-312/P (See TM 11-5805-201-20P for parts)		
	11	Speech Equipment TSEC/KN-2 (No parts authorized)		
	12	Interconnect Kit (914685-801) (See Figure 8 for parts)		
	13	Power Distribution Box (No parts authorized)		
	14	Input-Output Unit MX-10159/G (5) (See TM 11-5895-1107-24P for parts)		
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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 maintenance of the AN/MSC-64(V)1, 2, 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 Tbols 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.

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

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.

*(*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.

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

Code *Application/Explanation*

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- Reparable item. When uneconomically reparable, condemn and dispose at organizational level.

F- Reparable item. When uneconomically reparable, condemn and dispose at the direct support level.

H - Reparable item. When uneconomically reparable, condemn and dispose at the general support level.

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 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 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. The illustrations in this manual are identical to those published in TM 11-5895-1104-34P. 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.

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

TM 5-4120-243-24P, Air Conditioner, Horizontal Compact; 18,000 BTU (Trane Models) 208 V, 3 Phase, 50/60 HZ (Model MAC6H1 8-208-1201-02) 208 V, 3 Phase, 400 HZ (Model MAC4H18-108-1201-03) 208 V, 1 Phase, 50/60 HZ (Model MAC64H18-230-1201-01); (Harvey W. Hottel Models), 208 V, 3 Phase, 50/60 HZ (Model CH20-6-08) 208 V, 3 Phase, 400 HZ (Model CH20-4-08) Phase, 50/6 HZ and (KECO Model F18H-4) 208 V, 3 Phase, 400 HZ TM 11-5410-213-14P, Shelters, Electrical Equipment S- 280A/G and S-280B/G TM 11-5805-201-20P, Telephone Set TA-312/P TM 11-5830-340-12, Intercommunication Set AN/ VIC- 1(V) Controls, Intercommunication Set, C-10456/VRC, C-10680/VRC and Amplifier, Audio Frequency AM- 7046/VRC TM 11-5895-1107-24P, Input/Output Unit MX-10159/G (To be published.) TM 11-5895-1108-24P, Modem, Digital Data MD-1094/G, Control Modem Digital Data C-10812/G (To be published.) TM 11-5895-1110-24P, Receiver/Transmitter Radio RT-1336/G (To be published.)

TM 11-5895-1157-24P, Monitor Simulator AN/ MSC-64(V)1 (To be published). TM 11-5965-262-13, Headset-Microphone, H-161/ U and H-161A/U

d. 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.

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.

(Next printed page is 4.)

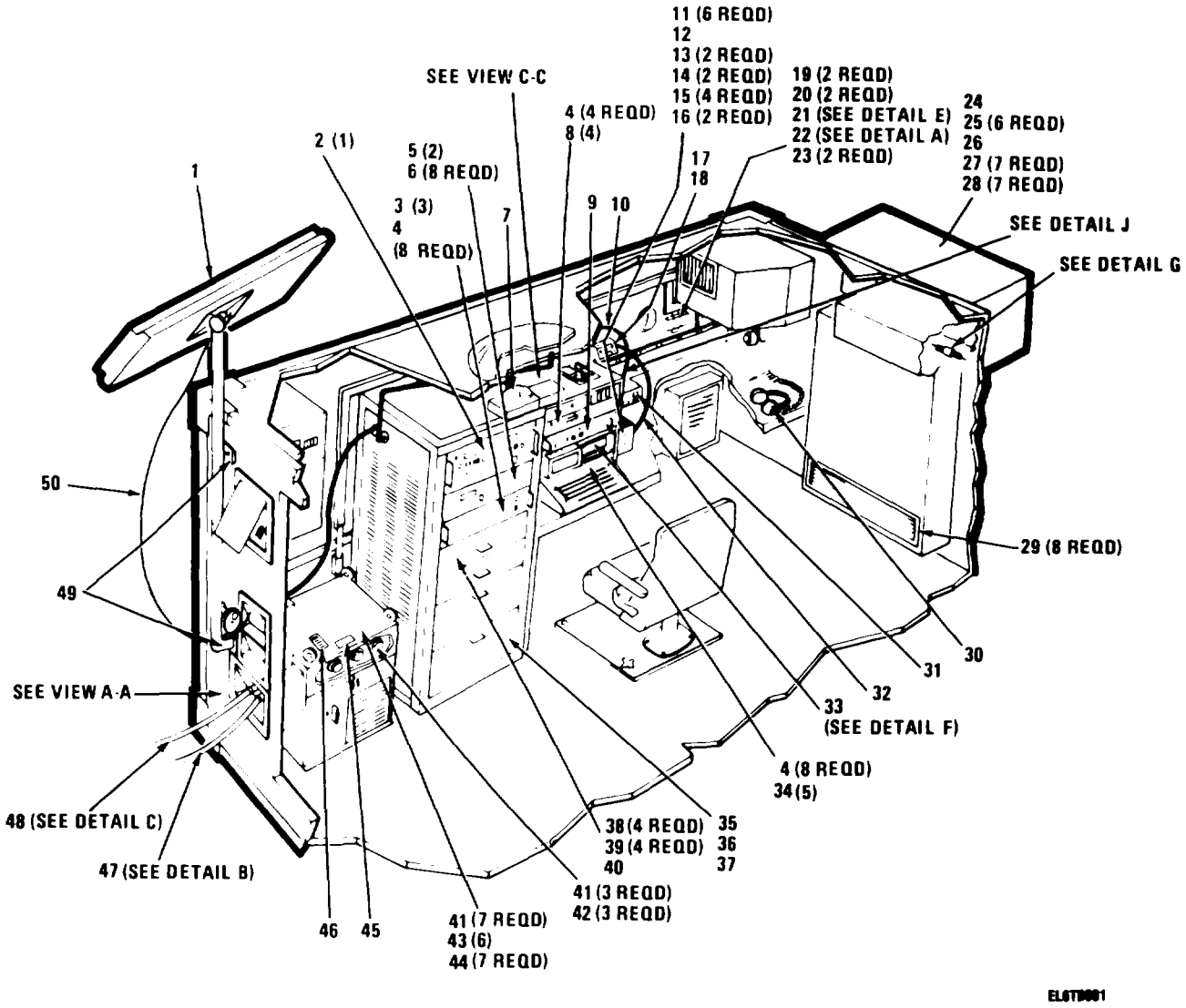

Figure 1. Satellite Communication Terminal AN/MSC-64(V)2 (Sheet 1 of 9)