
TECHNICAL MANUAL

**ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)
FOR
RECORDING SET, WEATHER DATA AN/TMQ-5C
(NSN 6660-00-682-4500)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

TECHNICAL MANUAL

No. 11-6660-204-24P-1

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 30 November 1978

ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOL LISTS
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)
FOR
RECORDING SET, WEATHER DATA AN/TMQ-5C
(NSN 6660-00-682-4500)

Current as of 1 June 1978

REPORTING OF ERRORS

You can improve this manual by recommending improvements using DA Form 2028-2 located in the back of the manual. Simply tear out the self addressed form, fill it out as shown on the sample, fold it where shown, and drop it in the mail.

If there are no blank DA Form 2028-2 in the back of your manual, use the standard DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forward to the Commander, US Army Communications and Electronics Materiel Readiness Command, A'TTN DRSEL-ME-MQ, Fort Monmouth, New Jersey 07703.

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

Table of Contents

			Page	Figure
Section	I.	I. INTRODUCTION	1	
	II.	II. REPAIR PARTS LIST	5	
Group	00	00 RECORDING SET, WEATHER AN/TMQ-5C	5	1
	01	01 Cabinet, Electrical Equipment CY-1390A/TMQ-5	9	2-6
	02	02 Panel, Control C-834A/TMQ-5	23	7,8
	03	03 Converter, Signal Data CV-146A/TMQ-5	31	9-13
	04	04 Cabinet Subassembly, Electrical Equipment MX-1482/TMQ-5	43	14
	05	05 Power Supply PP-968A/TMQ-5	47	15-18
	06	06 Recorder, Frequency Time RD-88C/TMQ-5	59	19-34
	07	07 Case, Accessories CY-930/TMQ-5	107	3 5
	08	08 Computer, Humidity-Temperature CP-223C/U	109	3 6
	09	09 Cable Assembly, Special Purpose, Electrical CX-2338/U	111	3 7
	10	10 Cable Assembly, Special Purpose, Electrical CX-2339/U	113	3 8
	11	11 Cable Assembly, Power Electrical CX-1492/U (See TM 11-6660-204-25P for parts)		
	12	Cable Assembly CX-3711/TMQ-5 (See TM 11-6660-204-25P for parts)		
	13	Cable Assembly, Special Purpose, Electrical CX-2337/TMQ-5 (See TM 11-6660-204-25P for parts)		
	14	Cable Assembly CX-3712 (See TM 11-6660-204-25P for parts)		
SECTION	III.	SPECIAL TOOLS LIST (Not applicable)		
	IV.	National stock number and part number index	114	

* This manual supersedes TM 11-6660-204-24P-1, 11 April 1975.

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, direct support, and general support maintenance of the AN/TMQ-5C. 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 (SWR) 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.
XD	-A support item that is not stocked. When required, item will be procured through normal supply channels.

NOTE

Cannibalization or salvage maybe 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
O	-Support item is removed, replaced, used at the organizational level.
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
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.
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.
Z	-Non repairable. 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	-Nonrepairable 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,

Recoverability
codes

Definition

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. *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 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. A "V" appearing in this column in lieu of a quantity indicates

that no specific quantity is applicable, (e.g., shims, spacers, etc).

4. Special Information

The following publications pertain to the AN/TMQ-5C and its components:

TM 11-6660-204-10, Radiosonde Recorders AN/TMQ-5, AN/TMQ-5A, AN/TMQ-5B, and AN/TMQ-5C

TM 11-6660-204-25, Radiosonde Recorders AN/TMQ-5, AN/TMQ-5A, AN/TMQ-5B, and AN/TMQ-5C

TM 11-6660-204-25P, Radiosonde Recorders AN/TMQ-5, AN/TMQ-5A, AN/TMQ-5B, and AN/TMQ-5C

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.

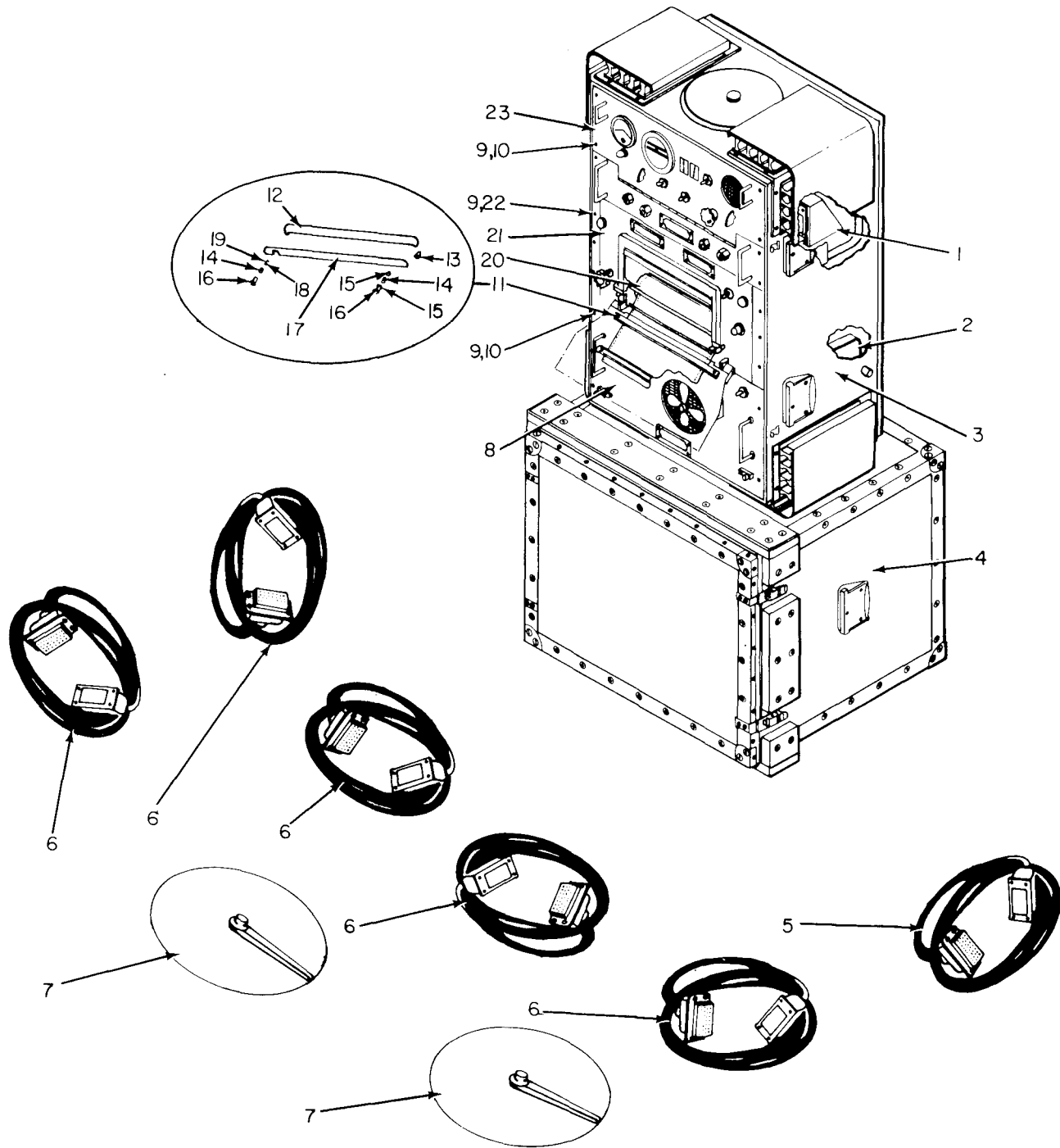
(1) *First*. Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second*. After finding the figure and item number, locate the figure and item number in the repair parts list.

6. Abbreviations

Not applicable.

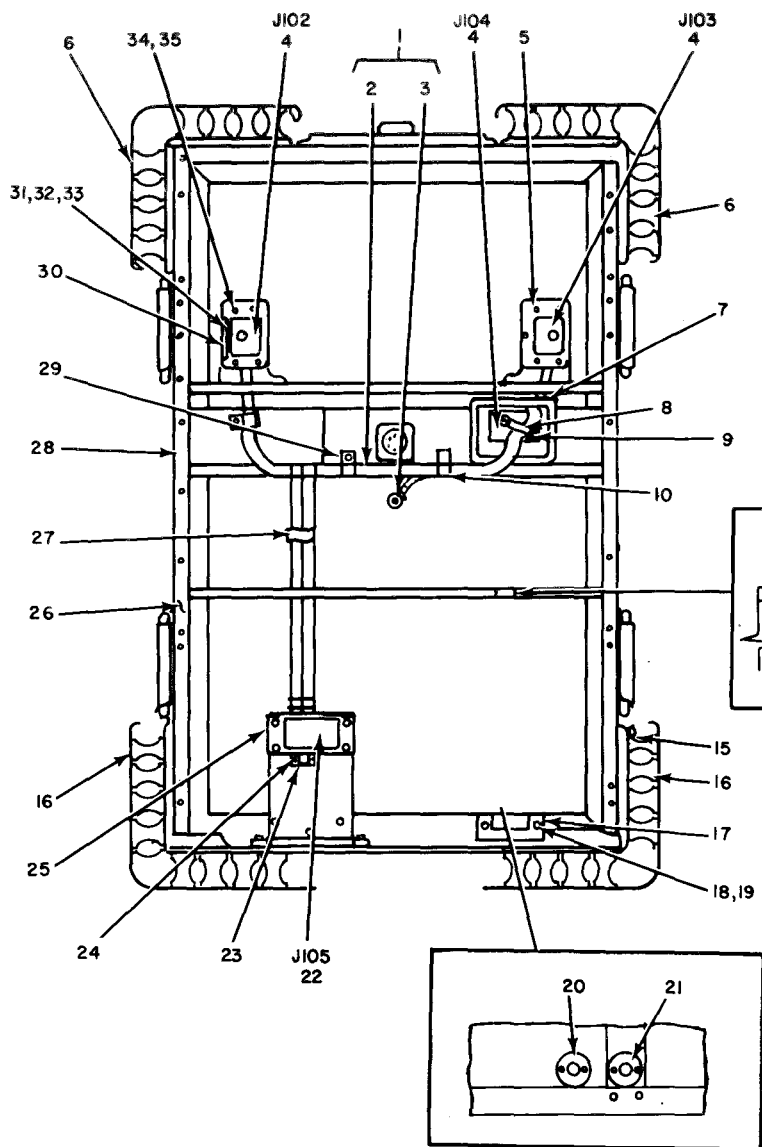
(Next printed page is 4)



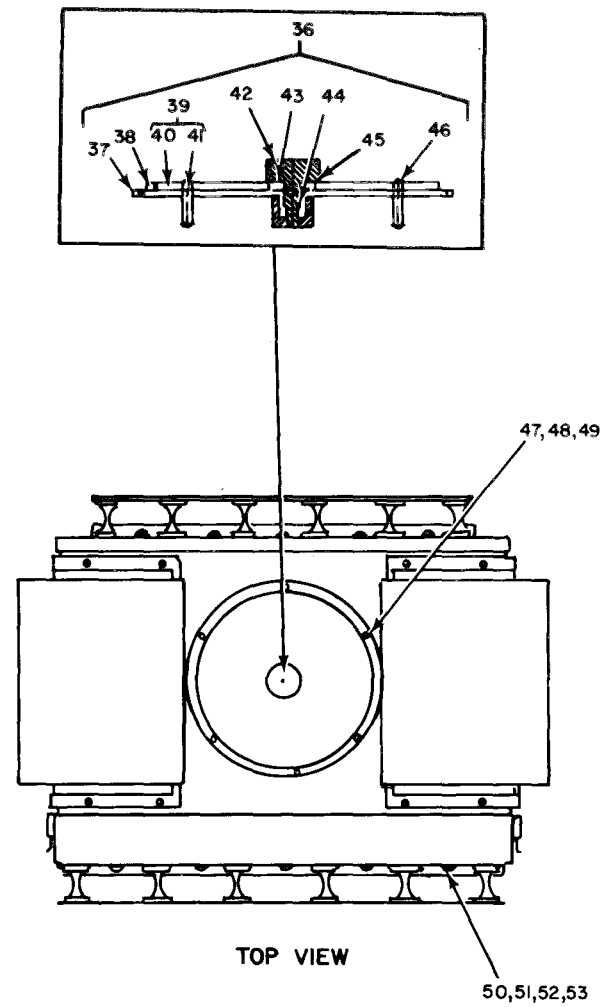
EL4PF001

Figure 1. Recording Set, Weather Data AN/TMQ-5C.

SECTION II (1) ILLUSTRATION (A) FIG NO		(2)	(3)	(4)	(5)	TM11-6660-204-24P-1 (6)	(7)	(8)
		SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
						GROUP 00 RECORDING SET, WEATHER DATA AN/TMQ-5C		
1	1	PAOFF	6660-00-503-0669	CV146ATMQ5	80058	CONVERTER, SIGNAL	EA	1
1	2	PAFFF	6660-00-553-1946	PP968ATMQ5	80058	POWER SUPPLY	EA	1
1	3	XDFDD		CY1390ATMQ5	80058	CABINET, ELECTRICAL	EA	1
1	4	PA000	6660-00-537-7902	CY930TMQ5	80058	CASE ACCESSORIES	EA	1
1	5	PA0HH	6660-00-503-0672	CX-2339/U	80058	CABLE ASSEMBLY	EA	1
1	6	PA0HH	6660-00-503-0671	CX-2338/U	80058	CABLE ASSEMBLY	EA	5
1	7	PA000	6660-00-179-8633	CP-223C/U	80058	COMPUTER, TMP-HUMID	EA	2
1	8	PAFFF	6660-00-614-9859	MX1482TMQ5	80058	CABINET SUBASSEMBLY	EA	1
1	9	PAFZZ	5305-00-989-7434	MS35207-263	96906	SCREW, MACHINE	EA	36
1	10	PAFZZ	5310-00-045-3296	MS35338-43	96906	WASHER, LOCK	EA	4
1	11	PAOFF	6660-00-788-2133	SCC125081	80063	PAPER WEIGHT ASSY	EA	1
1	12	XDFZZ		SCC125087	80063	BAR, CLAMPING	EA	1
1	13	XDFZZ		SCB125088	80063	PIN, STRAIGHT	EA	1
1	14	XDFZZ		SCB125086	80063	SPRING, COMPRESSION	EA	2
1	15	XDFZZ	5310-00-809-8544	MS27183-7	96906	WASHER, FLAT	EA	2
1	16	XDFZZ		SCB125085	80063	SCREW, THUMB	EA	2
1	17	XDFZZ	6660-00-373-2843	SCC125084	80063	BAR, CLAMPING	EA	1
1	18	XDFZZ		SCB125083	80063	SPACER	EA	1
1	19	XDFZZ		SCB125082	80063	WASHER, FLAT	EA	1
1	20	PA0ZZ	6660-00-682-6510	ML432ATMQ5	80058	PAPER, GRAPH	EA	1
1	21	PAFFF	6660-00-725-7917	RD88CTMQ5	80058	RECORDER, FREQUENCY	EA	1
1	22	PAFZZ	5310-00-014-5850	MS27183-42	96906	WASHER, FLAT	EA	4
1	23	XDFFF		C834ATMQ5	80058	CONTROL PANEL	EA	1



FRONT VIEW COVERS REMOVED



TOP VIEW

Figure 2. Cabinet, Electrical Equipment CY-1390A/TMQ-5 (Sheet 1 of 2).

EL4PF002