

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

Organizational Repair Parts list

MODEM, RADIO TELETYPEWRITER MD-522A/GRC

Headquarters, Department of the Army, Washington, D.C.

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SECTION I. INTRODUCTION

1. Scope

This manual contains a list of repair parts required for the performance of organizational maintenance for Modem Radio Teletypewriter MD-522A/GRC.

Note. No special tools, test and support equipment are required.

2. General

4. This repair parts list is divided into sections as follows:

a. *Prescribed Load Allowance List (PLA), Section II.* The PLA is a consolidated listing of repair parts allocated for initial stockage at organizational maintenance category. This is a mandatory minimum stockage allowance.

b. *Repair Parts for Organizational Maintenance, Section III.* Repair parts authorized for organizational maintenance is included in this section.

3. Explanation of Columns

An explanation of columns in sections II and III is given below.

a. *Source, Maintenance, and Recoverability Codes, Column 1, Section III.*

(1) *Source code, column 1a.* The selection status and source for the listed item is noted here. Source codes and their explanations are as follows:

<i>Code</i>	<i>Explanation</i>
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<i>P</i> —	Applies to repair parts that are stocked in or supplied from the GSA/DSA, or Army supply system, and authorized for use at indicated maintenance categories.
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<i>A</i> —	Applies to assemblies that are not procured or stocked as such but are made up of two or more units, each of which carry individual stock numbers and descriptions and are procured and stocked and can be assembled by units at indicated maintenance categories.
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<i>X2</i> —	Applies to repair parts which are not stocked. The indicated maintenance category requiring such repair parts will attempt to obtain them through cannibalization; if not obtainable through cannibalization, such repair parts will be requisitioned with supporting justification through normal supply channels.
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(2) *Maintenance code, column 1b.* The lowest category of maintenance authorized to install the listed item is noted here.

<i>Code</i>	<i>Explanation</i>
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<i>O</i>	Organizational Maintenance
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(3) *Recoverability code, column 1c.* The information in this column indicates whether un-serviceable items should be returned for recovery or salvage. Recoverability code and its explanation is as follows:

Note. When no code is indicated in the recoverability column, the part will be considered expendable.

<i>Code</i>	<i>Explanation</i>
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<i>R</i> —	Applies to repair parts and assemblies which are economically repairable at DSU and GSU activities and normally are furnished by supply on an exchange basis.
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b. *Federal Stock Number, Column 1, Section II; Column 2, Section III.* The Federal stock number for the item is indicated in this column.

c. *Description, Column 2, Section II; Column 3, Section III.* The sequence number, Federal item name, a five-digit manufacturer's code and a part number are included in this section.

d. *Unit of Issue, Column 4, Section III.* The unit used as a basis of issue (e.g. ea, pr, ft, yd, etc.) is indicated in this column.

e. *Quantity Incorporated in Unit Pack, Column 4, Section II; Column 5, Section III.* Not used.

f. *Quantity Incorporated in Unit, Column 6, Section III.* The quantity of repair parts in an assembly is given in this column.

g. *Maintenance Allowances, Column 3, Section II; Column 7, Section III.*

(1) The allowance columns are divided into subcolumns. Indicated in each subcolumn opposite each item is the total quantity of items authorized for the number of equipments supported. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

(2) The quantitative allowances for organizational category of maintenance represents one initial prescribed load for a 15-day period for the number of equipments supported.

Units and organizations authorized additional prescribed loads will multiply the number of prescribed loads authorized by the quantity of repair parts reflected in the appropriate density column to obtain the total quantity of repair parts authorized.

- (3) Subsequent changes to organizational allowances will be limited as follows: No change in the range of items is authorized. If additional items are considered necessary, recommendation should be forwarded to Commanding General, U. S. Army Electronics Command, ATTN: AMSEL-ME-NMP-C, Fort Monmouth, N. J., 07703, for exception or revision to the allowance list. Revisions to the range of items authorized will be made by the USA ECOM National Maintenance Point based upon engineering experience, demand data, or TAERS information.

h. Illustration, Column 8, Section III.

- (1) *Figure number, column 8a.* Not used
- (2) *Item or Symbol number, column 8b.* The reference designations that appear on the part in the equipment appear in this column.

4. Reference Publication

The following publication pertains to Modem, Radio Teletypewriter MD-522A/GRC and its components:

TM 11-5805-387-15-2 organizational and DS Maintenance Manual: Modem, Radio Teletypewriter MD-522A/GRC

5. Location of Repair Parts

a. When the Federal stock number is unknown, follow the procedures given in (1) through (3) below.

- (1) Use the table of contents to locate the repair parts list.
- (2) If the item or symbol number is unavailable, locate the item by scrutiny of column 8*b*, of the repair parts list.
- (3) If the item, symbol, and figure number are not known, check the description column in the repair parts list to locate the part. The parts in this column are arranged in alphabetical order.

b. When the Federal stock number is known, use the repair parts listing to find the repair part.

6. Federal Supply Codes

This paragraph lists the Federal supply code and the associated manufacturer's name.

<i>Code Number</i>	<i>Manufacturer's Name</i>
16941.....	Long-Lok Eastern Corp.
80063.....	Army Electronics Command
81349.....	Military Specifications
96906.....	Military Standards

7. Index of Publications

Refer to the latest issue of DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

8. Reporting of Equipment Manual Improvements

Reporting of errors, omissions, and recommendations for improving this manual by the individual is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to DA Publications) and forwarded direct to Commanding General, U.S. Army Electronics Command, ATTN: AMSEL-ME-NMP-AD, Fort Monmouth, N. J., 07703

SECTION II. PRESCRIBED LOAD ALLOWANCE LIST

(1) FEDERAL STOCK NUMBER	(2) DESCRIPTION	(3) 15-DAY ORG. MAINT. ALLOWANCE				(4) QTY INC IN UN PK
		(A) 1-5	(B) 6-20	(C) 21-50	(D) 51-100	
5355-043-1947	KNOB, POINTER: 96906; MS91528-0P3B	*	*	*	2	
5355-727-8497	KNOB: 80063; SM-C-500407	*	*	*	2	
5960-170-4573	ELECTRON TUBE: 81349; JAN 2BP1	2	3	9	16	

SECTION III. REPAIR PARTS, ORGANIZATIONAL MAINTENANCE

(1) (A) SOURCE CD						(2) (B) FEDERAL STOCK NUMBER						(3) (3) DESCRIPTION													(4) (4) UNIT OF ISSUE	(5) (5) QTY INC IN UN PK		(6) (6) QTY INC IN UNIT	(7) (7) 15 DAY ORG. MAINT. ALW.				(8) (8) ILLUSTRATIONS	
						MODEL 1 2 3 4 5 6																						(A) (B) (C) (D)				(A) (B) NUMBER NUMBER		
						5960-170-4573						MODEM, RADIO TELETYPEWRITER MD-522A/GRC: (THIS ITEM IS NONEXPENDABLE)													EA	1 2		3	9	16	1A2V1			
P	O					5355-727-8497						A277 ELECTRON TUBE: 81349; JAN 2BP1													EA	3 *		*	*	2				
P	O					5355-930-4437						B203 KNOB: 80063; SM-C-500407													EA	2 *		*	*	*				
P	O					5355-043-1947						B205 KNOB: 80063; SM-C-502491													EA	4 *		*	*	2				
P	O					5355-057-7794						B214 KNOB, POINTER: 96906; MS91528-0P3B													EA	2 *		*	*	*				
X2	O											B215 KNOB, ROUND: 96906; MS91528-0C1B													EA	5								

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USASESS (5)	USAERDAA (2)
USAADS (2)	USAERDAW (13)
USAAMS (8)	USACRREL (2)

NG: State AG (3).

USAR: None.

For explanation of abbreviations used. see AR 320-50.

