

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

Organizational Maintenance Repair Parts
and Special Tool Lists

RADIO SET AN/ARC-44

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 Radio Set AN/ARC-44.

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

2. General

This repair parts list is divided into sections.

a. Prescribed Load Allowance List (PLA). Section II. The PLA is a consolidated

listing of repair parts allocated for initial stockage at organizational maintenance categories. 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 the columns in sections II and III is given below.

*This manual supersedes TM 11-5821-204-20P, 11 May 1962.

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 code and its explanation is as follows:

<i>Code</i>	<i>Explanation</i>
P	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.

(3) *Recoverability code, column 1c.* The information in this column indicates whether unserviceable items should be returned for recovery or salvage. Recoverability codes and their explanations are as follows :

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

<i>Code</i>	<i>Explanation</i>
R	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.

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 model designator, Federal item name, a five digit manufacturer's code and different models of the end equipment.

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 5, Section III.* The actual quantity contained in the unit pack is noted in this column.

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 (Columns 3, Section II: Column 7, Section III.*

(1) The allowance columns are divided into subcolumns. Indicated in each sub-column opposite the first appearance of each

item is the total quantity of items authorized for the number of equipments supported. Subsequent appearances of the same item will have no entry in the allowance columns but will have a reference in the description column to the first appearance of the item. 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 level of maintenance represent 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, recommendations should be forwarded to Commanding General, U.S. Army Electronics Command, ATTN: AMSEL-ME-NMP-AN 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, Sections III and IV.*

(1) *Figure number, column 8a.* The number of the illustration in which the item is shown in TM 11-5821-204-12, is indicated in this column

(2) *Item or symbol number, column 8b.* The callout number used to reference the item in the illustration appears in this column.

4. Reference Publications

TM 11-5821-204-12 pertains to Radio Set AN/ARC-44 and its components.

5. Location of Repair Parts

When the Federal stock number is unknown follow the procedures given in (1) through (4) below.

- (1) Use the table of contents to locate the appropriate repair parts list.
- (2) If the item or symbol number is available, locate the item by scrutiny of column 8b of the repair parts list.
- (3) If the item, symbol, and figure number are not known check the description column (column 3) in the repair parts list to locate the part
- (4) Locate the applicable illustration in TM 11-5821-204-12, and note the figure number and item number. Use the repair parts listing and locate the figure number and item number as noted on the illustration.

6. Federal Supply Codes

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

<i>Code</i>	<i>Manufacturer</i>
02777	Hopkins Engineering Co.
06151	Dialtron Corp.
06840	Bendix Radio Corp.
21520	Fansteel Metallurgical

<i>Code</i>	<i>Manufacturer</i>
44038	North Electric Mfg., Co.
70117	Admiral Corp
71450	Chicago. Telephone Supply Co.
72794	Dzus Fastener Co., Inc.
72982	Erie Resistor Corp.
76854	Oak Mfg., Co.
80063	Signal Corps
81349	Military Specifications
81352	Air Force - Navy Specifications
81840	G. H. Leland, Inc.

7. Indexes of Publications

Refer to the latest issues of DA Pam 310-4 and DA Pam 310-7 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

8. Reporting of Equipment Manual Improvements

Report of errors, omissions, and recommendations for improving this publication by the individual user 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

(1) Federal Stock Number	(2) DESCRIPTION	(3) 15-Day Organizational Maintenance Allowance			
		(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100
6240-155-7836	LAMP INCANDESCENT: 81352 NO. AN 3140-327 1201, 1202, 203			2	2

Section III. REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE

(1)		(2)		(3)		(4)						(5)		(6)			(7)			(8)	
(A)	(B)	(C)	FEDERAL STOCK NUMBER	MODEL	DESCRIPTION	UNIT OF ISSUE	IN	INC	QTY	MAINT.	ALW.	(A)	(B)	(C)	(D)	(A)	(B)	ILLUSTRATIONS	FIGURE	ITEM OR SYMBOL NO.	
SOURCE CD	MAINT. CD	REC. CODE	NUMBER	1 2 3 4 5 6								1-5	6-20	21-50	51-100	NUMBER	OR				
P	O	R	5821-543-0760		RADIO SET AN/ARC-44	EA	1	1												1	
P	O	R	6125-568-5821		RADIO SET AN ARC-44:	EA	1	1	*						*					6	
P	O	R	5821-092-1140		DYNAMOTOR DY-107 AR:DY-107 A/AR	EA	1	1	*						*					3	
P	O	R	5821-699-0010		MOUNTING MT-1268/AR	EA	1	1	*						*					7	
P	O	R	5821-503-1519		MOUNTING MT-1267A/AR	EA	1	1	*						*					3	
					RECEIVER TRANSMITTER. RADIO RT-294/ARC-44: RT-294A/ARC-44 RT-294B/ARC-44																
					GROUP I PANEL CONTROL SB-327/ARC-44																
					NOTE: MODEL COLUMN 1 REFERS TO ORDER NO. 13611-PH-53: COLUMN 2 REFERS TO ORDER NO. 35903-PH-57; COLUMN 3 REFERS TO ORDER NO. 50727-PH-57; COLUMN 4 REFERS TO ORDER NO. 4174-PP-60; COLUMN 5 REFERS TO ORDER NO. 4226-PP-60; COLUMN 6 REFERS TO ORDER NO. 52715-PP-61.																
P	O		5355-567-2486	XXXXXX	KNOB 80063 NO. SM-B-134884	EA	1	1	*	*	*	*								0206	
P	O		5355-680-1355	XXXX	KNOB: 80063 NO. SM-B-134885	EA	1	1	*	*	*	*								0206	
P	O		5355-523-8264	XXXXXX	KNOB: 80063 NO. SM-B-134093	EA	1	1	*	*	*	*								0203	
P	O		6240-155-7836	XXXXXX	LAMP INCANDESCENT 81352 NO. AN-3140-327 1201, 1202, 203	EA	1	3	*	*	*	2			2					SEE DESC.	
P	O		6210-295-1973	XXXXXX	LENS, INDICATOR LIGHT 06151 NO. TT-51-2	EA	1	3	*	*	*	*								0245, 0246 0247	

Section III - Continued

(1)		(2)		(3)						(4)	(5)	(6)	(7)				(8)		
(A)	(B)	(C)	FEDERAL	MODEL						DESCRIPTION	UNIT	QTY	INC	15 DAY ORG.			ILLUSTRATIONS		
SOURCE CD	MAINT. CD	REC. CODE	STOCK NUMBER	1	2	3	4	5	6		IN	IN	(A)	(B)	(C)	(D)	(A)	(B)	
											OP	UN	IN				FIGURE	ITEM OR	
											ISSUE	PK	UNIT	1-5	6-20	21-50	51-100	NUMBER	SYMBOL NO.
GROUP II PANEL. SIGNAL DISTRIBUTION RADIO SE-329/AR																			
NOTE: MODEL COLUMN 1 REFERS TO ORDER NO. 13611-PH-53; COLUMN 2 REFERS TO ORDER NO. 35903-PH-57; COLUMN 3 REFERS TO ORDER NO. 50727-PH-57; COLUMN 4 REFERS TO ORDER NO. 4174-PP-60; COLUMN 5 REFERS TO ORDER NO. 4226-PP-60; COLUMN 6 REFERS TO ORDER NO. 52715-PP-61.																			
P	O		5355-558-1567	XXXXXX							EA	1	1	*	*	*	*		0312
KNOB ASSEMBLY: 80063 NO. SM-B-134094 (AUTHORIZED ALLOWANCE BASED ON A TOTAL OF 2)																			
P	O		5355-523-8264	XXXXXX							EA	1	1	*			*		0305
KNOB: 80063 NO. SM-B-134093 (FOR AUTHORIZED ALLOWANCES SEE GROUP I)																			
P	O		6240-155-7836	XXXXXX							EA	1	2	*			*		1301.1302
LAMP, INCANDESCENT: 81352 NO. 3140-327 (FOR AUTHORIZED ALLOWANCES SEE GROUP I)																			
P	O		6210-295-1973	XXXXXX							EA	1	2	*	*	*	*		F315.E316
LENS, INDICATOR LIGHT 06151 NO. TT-51-2																			

By Order of the Secretary of the Army:

Official:
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