

TECHNICAL MANUAL

**DS, GS, AND DEPOT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST**

**RADIO SET AN/ARC-116
FSN 5821-935-5073**

This copy is a reprint which includes current
pages from Changes 1 through 3.

TECHNICAL MANUAL

No. 11-5821-261-35P



HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D. C., 2 February 1971

**DS, GS, and Depot Maintenance Repair
Parts and Special Tools List**

**RADIO SET AN/ARC-116
FSN 5821-935-5073**

Current as of November 1970

	Paragraph	Page
SECTION I. INTRODUCTION		
Scope	1	3
General	2	3
Explanation of columns	3	3
Special information	4	5
How to locate repair parts	5	6
Federal supply codes for manufacture	6	6
Recommendations for maintenance publication improvements	7	6
II. REPAIR PARTS LIST		
GROUP I RADIO SET, FRONT SECTION		7
GROUP II RADIO SET, REAR SECTION		34
III. SPECIAL TOOLS LIST		60
IV. INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS-REFERENCE TO FIGURE AND REFERENCE DESIGNATION		61
V. INDEX-REFERENCE DESIGNATION CROSS-REFERENCE TO PAGE NUMBER		75

*This manual supersedes so much of TM 11-5821-261-35, 12 December 1968 as pertains to repair parts and special tools list.

SECTION I.
INTRODUCTION

1. Scope

This manual lists repair parts, special tools, and test equipment required for the performance of direct support, general support, and depot maintenance of the Radio Set AN/ARC-116.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. *Repair Parts—Section II.* A list of repair parts authorized for the performance of maintenance at the direct support, general support, and depot levels.

b. *Special Tools, Test and Support Equipment—Section III.* A list of special tools, test and support equipment authorized for the performance of maintenance at the direct support, general support, and depot levels.

c. *Federal Stock Number and Reference Number Index—Section IV.* A list of Federal stock numbers in ascending numerical sequence followed by a list of reference numbers in ascending alpha-numeric sequence, cross-referenced to the illustration figure number and reference designation.

d. *Reference Designation Index—Section V.* A list of reference designations in ascending alpha-numeric sequence cross-referenced to page number.

3. Explanation of Columns

The following provides an explanation of columns in the tabular lists in Sections II and III.

a. *Source, Maintenance, and Recoverability Codes (SMR), Column 1:*

(1) Source code, indicates the selection status and source for the listed item. For explanation of split source codes see paragraph 4. Source codes used are:

Code	Explanation
P	Repair parts which are stocked in or supplied from the GSA/ DSA, or Army Supply System and authorized for use at indicated maintenance categories.

Code	Explanation
P2	Repair parts which are procured and stocked for insurance purposes because the combat or military essentiality of the end item dictates that a minimum quantity be available in the supply system.
P9	Assigned to items which are NSA design controlled: unique repair parts, special tools, test, measuring and diagnostic equipment, which are stocked and supplied by the Army COMSEC logistic system, and which are not subject to the provisions of AR 380-41.
P10	Assigned to items which are NSA design controlled: special tools, test measuring and diagnostic equipment for COMSEC support, which are accountable under the provisions of AR 380-41, and which are stocked and supplied by the Army COMSEC logistic System.
M	Repair parts which are not procured or stocked but are to be manufactured in indicated maintenance levels.
A	Assemblies which are not procured or stocked as such, but are made up of two or more units. Such component units carry individual stock numbers and descriptions, are procured and stocked separately and can be assembled to form the required assembly at indicated maintenance categories.
X	Parts and assemblies which are not procured or stocked and the mortality of which normally is below that of the applicable end item or component. The failure of such part or assembly should result in retirement of the end item from the supply system,
X1	Repair parts which are not procured or stocked. The requirement for such items will be filled by use of the next higher assembly or component.
X2	Repair parts which are not stocked. The indicated maintenance category requiring such repair parts will attempt to obtain same through cannibalization, requirements will be requisitioned, with accompanying justification, through normal supply channels.
G	Major assemblies that are procured with PEMA funds for initial issue only as exchange assemblies at DSU and GSU level. These assemblies will not be stocked above DS and GS level or returned to depot supply level.

Note. Source coding of selected hardware items has been excluded. These item are authorized "as required."

(2) Maintenance code, indicates the lowest category of maintenance authorized to install the listed item. The maintenance level codes are:

SECTION II. REPAIR PARTS LIST

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFG CODE	(4) USABLE ON MEAS CODE	(5) UNIT OF MEAS	(6) QTY INC IN UNIT	30-DAY DS MAINT ALLOWANCE			30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCT	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION (a) FIG NO	(11) (b) ITEM NO OR REFERENCE DESIGNATION
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100				
		GROUP I RADIO SET FRONT SECTION													
MD F		PLATE, IDENTIFICATION, SM-B-618836 (80063)	P	EA	1									1	MP1
MD F		PLATE, IDENTIFICATION, SM-B-618836-3 (80063)	R	EA	1									1	MP1
MD F		COVER, RADIO SET, SM-B-618393 (80063)		EA	1									1	MP2
	5305-022-6331	SCREW, SPECIAL, SM-B-618257 (80063)		EA	2	*	*	*	*	*	*	*	*	1	H1-2
	5305-113-8441	SCREW, MACHINE, 70A3810205-480 (00011) REQUISITION UNTIL SUPPLY IS EXHAUSTED, THEN REQUI- SITION 70A3810206-480	P	EA	10	*	*	*	*	*	*	*	*	1	H3-12
P F	5305-054-5636	SCREW, MACHINE, 70A3810206-480 (00011)	R	EA	10	*	*	*	*	*	*	*	*	1	H3-12
	5305-054-6651	SCREW, MACHINE, MS51957-27 (96906)		EA	2	*	*	*	*	*	*	*	*	1	H13-14
	5310-126-0014	WASHER, FLAT, SM-C-617837-8 (80063)		EA	10	*	*	*	*	*	*	*	*	1	H346-355
	5310-929-6395	WASHER, LK, MS35338-136 (96906)		EA	4	*	*	*	*	*	*	*	*	1	H15-18
PH F S	5821-091-9153	RADIO-FRONT, SM-B-632139 (80063) REQUISITION UNTIL SUPPLY IS EXHAUSTED, THEN REQUISITION SM-B-692900	A	EA	1							*	*	1	A1
PH F S	5821-177-2980	RADIO-FRONT, SM-B-632340 (80063) DO NOT REQUISITION, PREFERRED ITEM IS SM-B-692900	J	EA	1									1	A1
PH F S	5821-134-7003	RADIO-FRONT, SM-B-692900 (80063)	R	EA	1				1	1	1	4	1	1	A1
PH F S	5821-091-9153	RADIO-FRONT, SM-B-617890 (80063) DO NOT REQUISITION, PREFERRED ITEM IS SM-B-692900	E	EA	1									1	A1
P H S	5821-091-9154	CONTROL, FREQUENCY SELEC- TOR, SM-B-617892 (80063)		EA	1				1	1	1	5	1	2	A1
P H	5305-806-9588	SCREW, MACHINE, 70A3710442-480 (00011)		EA	2				*	*	*	*	*	2	H31-32
	5305-022-6331	SCREW, SPECIAL, SM-B-618257 (80063)		EA	1				REF	REF	REF	REF	REF	2	H394
	5310-933-8118	WASHER, LK, MS35338-135 (96906)		EA	2				*	*	*	*	*	2	H33, 47
	5310-115-6273	SCREW, SPECIAL, SM-B-618257-2 (80063)		EA	4				*	*	*	*	*	2	H395-398
P O	5355-880-5548	KNOB, ROUND, SM-C-617814 (80063)		EA	1	*	*	*	*	*	*	5	6	3	MP3
P O	5355-880-5548	KNOB, ROUND, SM-C-617814 (80063)		EA	1	REF	REF	REF	REF	REF	REF	REF	REF	3	MP4
P O	5355-880-5548	KNOB, ROUND, SM-C-617814 (80063)		EA	1	REF	REF	REF	REF	REF	REF	REF	REF	3	MP5

SECTION II. REPAIR PARTS LIST (CONTINUED)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFG CODE	(4) UNIT OF MEAS CODE	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100				
	5305-719-5346	SETSCREW, MS51963-35 (96906)	EA	6	*	*	*	*	*	*	*	*	3	H323-324
P O	5355-880-5549	KNOB, ROUND, SM-C-618047 (80063)	EA	1	*	*	*	*	*	*	5	7	3	MP6
	5305-717-6950	SETSCREW, MS51963-9 (96906)	EA	2	*	*	*	*	*	*	*	*	3	H325-326
P O	5355-880-5546	KNOB, CONTROL, SM-D-595979-3 (80063)	EA	1	*	*	*	*	*	*	5	7	3	MP7
	5305-719-5342	SETSCREW, MS51963-34 (96906)	EA	1	*	*	*	*	*	*	*	*	3	H235
	5305-719-5349	SETSCREW, MS51963-37 (96906)	EA	1	*	*	*	*	*	*	*	*	3	H462
A F R		PANEL, INDICATING, SM-E-617896 (80063)	EA	1										A1
	5310-115-6273	SCREW, SPECIAL, SM-B-618257-2 (80063)	EA	3	REF	REF	REF	REF	REF	REF	REF	REF	3	H19-21
	5310-929-6395	WASHER, LK, MS35338-136 (96906)	EA	3	REF	REF	REF	REF	REF	REF	REF	REF	3	H22-24
P F	5821-944-1947	PANEL, INDICATING, SM-E-617896-1 (80063)	EA	1	*	*	*	*	*	*	5	2	3	MP9
P F #	5821-091-9145	WIRING PLATE AND LAMP ASSEMBLY, SM-E-617896-2 (80063)	EA	1	2	2	3	2	2	2	40	25	3	MP10
P F	5930-059-2856	SWITCH, PUSH, 30YY2069 (81073)	EA	1	*	2	2	*	2	2	12	15	3	S7
P F	5905-057-8733	RESISTOR, VAR, SM-A-597813-3 (80063)	EA	1	*	2	2	*	2	2	12	8	3	R44
	5310-792-3548	NUT, MTG, SM-B-617939-3 (80063)	EA	1	*	*	*	*	*	*	*	*	3	H459
P F	5310-150-4187	WASHER, FLAT, SM-C617837-10 (80063)	EA	1	*	*	*	*	*	*	*	*	3	H431
P F	5905-057-8737	RESISTOR, VAR, SM-A-597813-5 (80063)	EA	1	*	2	2	*	2	2	12	8	3	R43
	5310-792-3548	NUT, MTG, SM-B-617939-3 (80063)	EA	1	REF	REF	REF	REF	REF	REF	REF	REF	3	H460
	5310-113-8412	WASHER, LK, SM-B-595971-1 (80063)	EA	1	*	*	*	*	*	*	*	*	3	H461
P H #	5821-091-9151	TUNING MATRIX 1, SM-B-618497 (80063)	EA	1				1	2	2	19	10	3	A2
	5305-054-5636	SCREW, MACHINE, MS51957-2 (96906)	EA	2				*	*	*	*	*	3	H25-26
	5310-928-2690	WASHER, LK, MS35338-134 (96906)	EA	2				*	*	*	*	*	3	H27-28
P H	3020-102-3768	CHAIN, DRIVE SWITCH, SM-B-617829-5 (80063)	EA	1				*	*	*	4	1	3	MP24
P H	3020-102-6806	SPROCKET, IDLER, SM-D-618535-3 (80063)	EA	1				*	*	*	5	2	3	MP11
P H	3020-102-6806	SPROCKET, IDLER, SM-D-618535-3 (80063)	EA	1				REF	REF	REF	REF	REF	3	MP66
P H	5985-110-9288	SHAFT, ASSY, SM-B-618008 (80063)	EA	1				*	*	*	5	2	3	MP13

SECTION II. REPAIR PARTS LIST (CONTINUED)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION Reference Number & Mfr. Code Usable On Code	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCT	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG. NO.	(b) ITEM NO. DR REFERENCE DESIGNATION
P H	5340-598-1493	... RING, RETAINING, MS16632-4018 (96906)	EA	1				*	*	*	*	*	3	H29
	5340-113-3851	...SHIM, SM-C-618055-4 (80063)	EA	V				*	*	*	5	10	3	MP12
	5821-168-3625	...SHAFT, IDLER, SM-C-617864 (80063)	EA	1				*	*	*	4	1	3	MP14
P H	5305-054-5647	...SCREW, MACHINE MS51957-13 (96906)	EA	1				*	*	*	*	*	3	H30
	5310-126-0022	...WASHER, FLAT, MS16213-57 (96906)	EA	1				*	*	*	*	*	3	H105
	5821-091-9160	...SUPPORT, BRG, SM-B-618398 (80063)	EA	1				*	*	*	4	1	3	MP15
P H	5310-934-9748	...NUT, HEX, MS35649-244 (96906)	EA	2				*	*	*	*	*	3	H35-36
	5305-770-2579	...SCREW, MACHINE, MS51959-15 (96906)	EA	2				*	*	*	*	*	3	H111-112
	5310-595-6211	...WASHER, FLAT, MS15795-803 (96906)	EA	2				*	*	*	*	*	3	H37-38
MD H	5310-933-8118	...WASHER, LK, MS 35338-135 (96906)	EA	2				REF	REF	REF	REF	REF	3	H117-118
		...PLATE, MOUNTING-RESISTOR, SM-C-61889-2 (80063)	EA	1									3	MP16
	5305-054-5636	...SCREW, MACHINE, MS51957-2 (96906)	EA	3				REF	REF	REF	REF	REF	3	H119-121
P H	5310-928-2690	...WASHER, LOCK, MS35338-134 (96906)	EA	3				REF	REF	REF	REF	REF	3	H127-129
	5310-792-3555	...WASHER, TURNS COUNTING, SM-C-618048-1 (80063)	EA	1				*	*	*	5	2	3	MP17
	5310-792-3555	...WASHER, TURNS COUNTING, SM-C-618048-1 (80063)	EA	1				REF	REF	REF	REF	REF	3	MP18
P H	5340-721-8187	...RING, RETAINING, MS16624-1018 (96906)	EA	1				*	*	*	*	*	3	H122
	5310-113-8415	...WASHER, TURNS COUNTING, SM-C-618048-2 (80063)	EA	1				*	*	*	4	1	3	MP19
	5340-113-3851	...SHIM, SM-C-618053-4 (80063)	EA	V				REF	REF	REF	REF	REF	3	MP8
P H	5821-091-9150	...RING, STOP, SM-C-618049-2 (80063)	EA	1				*	*	*	4	1	3	MP20
	5305-717-6950	...SETSCREW, MS51963-9 (96906)	EA	1				REF	REF	REF	REF	REF	3	H39-40
	5821-168-3627	...SHAFT, DRIVE, SM-C-617868 (80063)	EA	1				*	*	*	4	1	3	MP22
P H	5340-598-1493	...RING, RETAINING, MS16632-4018 (96906)	EA	1				REF	REF	REF	REF	REF	3	H41
	5340-113-3848	...SHIM, SM-C-618053-1 (80063)	EA	V				*	*	2	10	20	3	MP107
	5340-113-3848	...SHIM, SM-C-618053-1 (80063)	EA	V				REF	REF	REF	REF	REF	3	MP108
P H	5340-113-3848	...SHIM, SM-C-618053-1 (80063)	EA	V				REF	REF	REF	REF	REF	3	MP109