

TECHNICAL MANUAL

**ORGANIZATIONAL, DIRECT SUPPORT, AND
GENERAL SUPPORT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND
SPECIAL TOOLS)
FOR
RADIO SET AN/ARC 115
FSN 5821 935-5072)**

**HEADQUARTERS, DEPARTMENT OF THE ARMY
JUNE 1974**

**Organizational, Direct Support, and General Support Maintenance Repair Parts and Support
Tools List (Including Depot Maintenance Repair Parts and Special Tools) For**

RADIO SET AN/ARC-1 15 (FSN 5821-935-5072)

Current as of 27 December 1973

		Page	Illus Figure
Section I.	Introduction.....	1-1	
II.	Repair parts list.....	2-1	
Group 01	(A1) Front section	2-1	
	0101 (A1A1) Tuning control assembly	2-1	1
	0102 (A1A1A4) Tuner matrix "C/D" deck assembly	2-2	1
	0103 (A1A1A2) Tuner matrix "A" deck assembly	2-2	1
	0104 (A1A1A3) Tuner matrix "B" deck assembly.....	2-2	1
	0105 (A1A3) RF amplifier and mixer assembly	2-3	2
	0106 (A1A3A4) Guard receiver oscillator assembly	2-3	2
	0107 (A1A3A1) Main receiver, RF amplifier and mixer assembly.....	2-3	2
	0108 (A1A3A2) Guard RF amplifier and mixer assembly	2-5	2
	0109 (A1A3A3) Noise generator assembly	2-5	2
	0110 (A1A2A1) Switched crystal oscillator assembly	2-5	3
	0111 (A1A2A2) Dividers, 10 MC oscillator det assembly	2-5	3
	0112 (A1A2A3) VCO and D-A converter assembly.....	2-5	3
	0113 (A1A2A4) Transmit audio and comparator assembly	2-5	3
	0114 (A1A2A5, A1A2A11) IF amplifier assembly	2-5	3
	0115 (A1A2A6) Second IF detector and AGC AMP assembly	2-5	3
	0116 (A1A2A7, A1A2A9) Squelch circuit assembly	2-5	3
	0117 Audio amplifier assembly	2-5	3
	0118 (A1A2A12) Chassis and cable assembly	2-7	3
02	(A2) Rear section	2-7	
	0201 (A2A3) Modulator assembly	2-7	4
	0202 (A2A4) Exciter Power AMP assembly	2-9	4
	0203 (A2A2) Power supply	2-9	4
	0204 (A2A1) RF coupler and filter assembly	2-9	4,5
	99 Bulk material	2-13	
Section III.	Special tools list.....	3-1	
	Filter relay assembly and VSWR load 10:1	3-1	6
	Radio Set: front and rear AN/AC-115.....	3-1	7
IV.	Federal stock number and part number index	4-1	

SECTION I

INTRODUCTION

1. Scope

This manual lists repair parts; special tools; test, measurement, and diagnostic equipment (TMDE); and other support equipment required for performance of organizational, direct support, and general support maintenance of the AN/ARC-115.

2. General

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

- a. *Section II. Repair Parts List.* A list of repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed from replacement of the authorized parts. Parts list are composed of functional groups in ascending numerical sequence, with the parts in each group listed in figure and item number sequence. Bulk materials are listed in FSN sequence.
- b. *Section III. Special Tools List.* A list of special tools, TMDE, and support equipment authorized for the performance of maintenance.
- c. *Section IV. Federal Stock Number and Part Number Index.* A list, in ascending numerical sequence, of all Federal stock numbers appearing in the listings, followed by a list, in alphanumeric sequence, of all part numbers appearing in the listings. Federal stock number and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

The following provides an explanation of columns found in the tabular listing:

- a. *Illustration.* This column is divided as follows:
 - (1) *Figure number.* Indicates the figure number of the illustration in which the item is shown.
 - (2) *Item number.* The number used to identify each item called out in the illustration.
- b. *Source, Maintenance, and Recoverability Codes (SMR).*
 - (1) *Source code.* Source codes are assigned to support items to indicate the manner of acquiring support items for maintenance, repair, or overhaul of end item. 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.
PE	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
MD	Item to be manufactured or fabricated at the depot maintenance level.
XA	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
XD	A support item that is not stocked. When required, item will be procured through normal support channels.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA, XD, 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 indicates the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position indicates 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.