

TM 11-6625-467-24P

TECHNICAL MANUAL

**ORGANIZATIONAL, DIRECT SUPPORT,
AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST**

FOR

**TEST SET, ELECTRONIC CIRCUIT
PLUG-IN UNIT AN/ARM-87 (NSN 6625-00-908-0358)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

JUNE 1980

**ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
 REPAIR PARTS AND SPECIAL TOOLS LISTS
 FOR
 TEST SET, ELECTRONIC CIRCUIT PLUG-IN UNIT AN/ARM-87
 (NSN 6625-00-908-0358)**

Current as of 28 January 1980

REPORTING OF ERRORS

You can help improve this manual. If you find any mistakes or know of a way to improve the procedures, please let us know. Mail your DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703.

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

		Page	Illus Figure
S ECTION	I. INIRODUCIION	1	
	II. Repair Parts List	5	
Group	00 Test Set, Electronic Circuit Plug-In Unit AN/ARM-87	5	1
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, Front Panel	7	2
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, Chassis Assembly	9	3
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, Chassis Assembly, Top View	11	4
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, Chassis Assembly, Bottom View	15	5
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, Chassis Assembly, Rear View	17	6
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, Detector Module, Blower Assembly	19	7
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, Transformer Bracket Assembly	21	8
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, Plug-In Modules	23	9
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, Load 500-kHz Fiberboard	25	10
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, 150 cps Oscillator-Counter Board	29	11
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, 1-kHz/10-kHz Oscillator	33	12
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, 500-kHz FM Oscillator	37	13
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, Amplifier Detector Audio Board	41	14
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, +28 Volt Regulator	45	15
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, HV Power Supply Board	47	16
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, -28 Volt Regulator	49	17
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, Load Assembly	51	18
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, 3.975/5.925 -MHz Oscillator	53	19
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, 30-MHz Oscillator	55	20
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, 68-MHz Oscillator	57	21
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, Amplifier Detector	59	22
	Test Set, Electronic Circuit Plug-In Unit AN/ARM-87, Board Extender	61	23
	01 Cable Assemblies	63	24
	02 Case Assembly	67	25
S ECTION	III. Special Tools List (Not applicable)		
	IV. National Stock Number and Part Number Index	68	

*This manual supersedes TM 11-6625-467-20P, 22 September 1972 and TM 11-6625-467-34P, 1 February 1973.

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/ARM-87. 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 (SMR) 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:

<i>Code</i>	<i>Definition</i>
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 may be 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:

<i>Code</i>	<i>Application/Explanation</i>
O	Support item is removed, replaced, used at the organizational 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:

<i>Code</i>	<i>Application/Explanation</i>
H	The lowest maintenance level capable of complete repair of the support item is the general support level.
Z	Nonreparable. 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:

<i>Recoverability codes</i>	<i>Definition</i>
Z	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
H	Reparable item. When uneconomically reparable, condemn and dispose at the general support 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).*