

TECHNICAL MANUAL
ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)
FOR
TEST SET, RADAR ALTIMETER AN/APM-323
(NSN 6625-00-491-0580)

This publication has been printed by the
UNITED STATES ARMY PUBLICATIONS DISTRI-
BUTION CENTER, ST. LOUIS, MISSOURI, to
meet your needs on a timely basis.

HEADQUARTERS, DEPARTMENT OF THE ARMY

FEBRUARY 1978

TECHNICAL MANUAL

No. 11-6625-1746-24P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 22 February 1978

**ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT,
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)
FOR
TEST SET, RADAR ALTIMETER AN/APM-323
(NSN 6625-00-491-0580)
Current as of 6 September 1977**

REPORTING OF ERRORS

You can improve this manual by recommending improvements using DA Form 2028-2 (Test) located in the back of the manual. Simply tear out the self addressed form, fill it out as shown on the sample, fold it where shown, and drop it in the mail.

If there are no blank DA Form 2028-2 (Test) in the back of your manual, use the standard DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forward to the Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmouth, NJ 07703.

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

Table of Contents

		Page	Illus Figure
SECTION	I. Introduction	1	
	II. Repair parts lists	5	
Group	00. Test Set, Radar Altimeter AN/APM-323.....	5	1
	01. Range and rate simulation panel	7	2
	0101. Counter circuit card assembly	11	3
	0102. Memory and range gating card assembly	13	4
	0103. Diode matrix circuit card assembly.....	15	5
	0104. Rate target generator circuit card.....	19	6
	0105. Range integrator circuit card assembly	23	7
	0106. Power supply assembly (No parts authorized)		
	0107. Power supply, dual output (No parts authorized)		
	0108. Oscillator assembly (5 MHz) (No parts authorized)		
	0109. Oscillator assembly (10 MHz) (No parts authorized)		
	02. Control and Simulation Panel C-8396/APM-323.....	27	8
	0201. Manual slew circuit card assembly.....	31	9
	0202. Meter-resistor circuit card assembly.....	33	10
	0203. Power supply subassembly (No parts authorized)		
	0204. Monitor, Voltmeter (No parts authorized)		
	03. Attenuator Panel CN-1313/APM-323.....	35	11
	04. Cable Assembly CX-12203/APM-323.....	37	12
	05. Cable Assembly CG-3599/U (1W2), (1W3)	39	13
	06. Cable Assembly, Radio Frequency CG-3598/U.....	41	14
	07. Cable Assembly CX-12204/APM-323.....	43	15
	08. Cable Assembly CX-12205/APM-323.....	45	16
	09. Cable Assembly CX-12206/APM-323.....	47	17
	10. Cable Assembly, Radio Frequency CG-3600/U.....	48	18

* This manual supersedes TM 11-6625-1746-40P, 11 July 1974.

			<i>Page</i>	<i>Illus Figure</i>
Group	11.	Cable Assembly, Radio Frequency CG-3601/U.....	51	19
	12.	Cable Assembly, Radio Frequency CG-3602/U.....	53	20
	13.	Cable Assembly, Radio Frequency CG-3603/U.....	55	21
	14.	Coaxial Jumper CG-3636/U	57	22
SECTION	III.	Special tools list (Not applicable)		
	IV.	National stock number and part number index	58	

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/APM-323. 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:

Code	Definition
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:

Code	Application/Explanation
0	-Support item is removed, replaced, used at the organizational level.
H	Support item is removed, replaced, used at the general support level.
D	-Support items that are removed, replaced, used at depot, mobile depot, specialized repair activity only.

(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:

Code	Application/Explanation
H	-The lowest maintenance level capable of complete repair of the support item is the general support level.
D	-The lowest maintenance level capable of complete repair of the support item is the depot 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:

Recoverability codes	Definition
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.
D	-Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L	-Reparable item. Repair, condemnation, and disposal not authorized below depot/specialized repair activity level.

c. National Stock Number. Indicates the National