

TECHNICAL MANUAL

ORGANIZATIONAL, DIRECT SUPPORT,
AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS
(INCLUDING DEPOT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS)
FOR
VECTOR VOLTMETER HP MODEL

8405AR

(NSN 6625-01-071-5025)

HEADQUARTERS, DEPARTMENT OF THE ARMY
30 DECEMBER 1981

TECHNICAL MANUAL

N 0.11-6625-2856-24P



HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 30 December 1981

**ORGANIZATIONAL, DIRECT SUPPORT,
AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LISTS
(INCLUDING DEPOT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS)
FOR
VECTOR VOLTMETER HP MODEL 8405AR
(NSN 6625-01-071-5025)**

Current as of 1 September 1981

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, 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-Electronics Command, ATTN: DRSEL-ME-MQ, 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 List	5	
Group	00 Vector Voltmeter HP Model 8405AR	5	1
	01 Probe Assembly, A1 (No Parts Authorized)		
	02 Probe Assembly, A2 (No Parts Authorized)		
	03 Circuit Card Assembly, Sampler, A3, A4	9	2
	04 Circuit Card Assembly, Isolation Amplifier, A5, A18	11	3
	05 Circuit Card Assembly, 180-Degree Switch, A6.....	13	4
	06 Circuit Card Assembly, Phase Shifter, A7	15	5
	07 Circuit Card Assembly, Phase Meter, A8.....	17	6
	08 Circuit Card Assembly, Voltmeter, A9	19	7
	09 Circuit Card Assembly, APC Amplifier, A10	21	8
	10 Circuit Card Assembly, IF Sampler, All	23	9
	11 Circuit Card Assembly, Search, A12	25	10
	12 Circuit Card Assembly, Equalizer, A13	29	11
	13 Circuit Card Assembly, VTO, A14	31	12
	14 Circuit Card Assembly, Pulse Generator, A15	33	13
	15 Power Supply Assembly, A16	35	14
	16 Delay Line Assembly, A17 (No Parts Authorized)		
	17 Switch Assembly, Phase Meter Offset, A21	37	15
	18 Switch Assembly, Amplitude Range, A22.....	39	16
	19 Switch Assembly, Channel, A23.....	41	17
	20 Switch Assembly, Frequency Range, A24	45	18
	21 Switch Assembly, Phase Range, A25.....	47	19
SECTION	III. Special Tools List (Not applicable)		
	IV. National Stock Number and Part Number Index	48	

*This manual supersedes TM 11-6625-2856-24P, 22 September 1978.

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 HP Model 8405AR. 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 alphanumeric 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
O -	Support item is removed, replaced, used at the organizational level.
F -	Support item is removed, replaced, used at the direct 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
F -	The lowest maintenance level capable of complete repair of the support item is the direct 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.