

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

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OPERATOR'S, ORGANIZATIONAL, DS, GS, AND

DEPOT MAINTENANCE MANUAL

TEST FACILITIES SET

AN/TPM-24(V)1

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This copy is a reprint which includes current  
pages from Change 1.

HEADQUARTERS DEPARTMENT OF THE ARMY

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**TEST FACILITIES SET AN/TPM-24(V)1**

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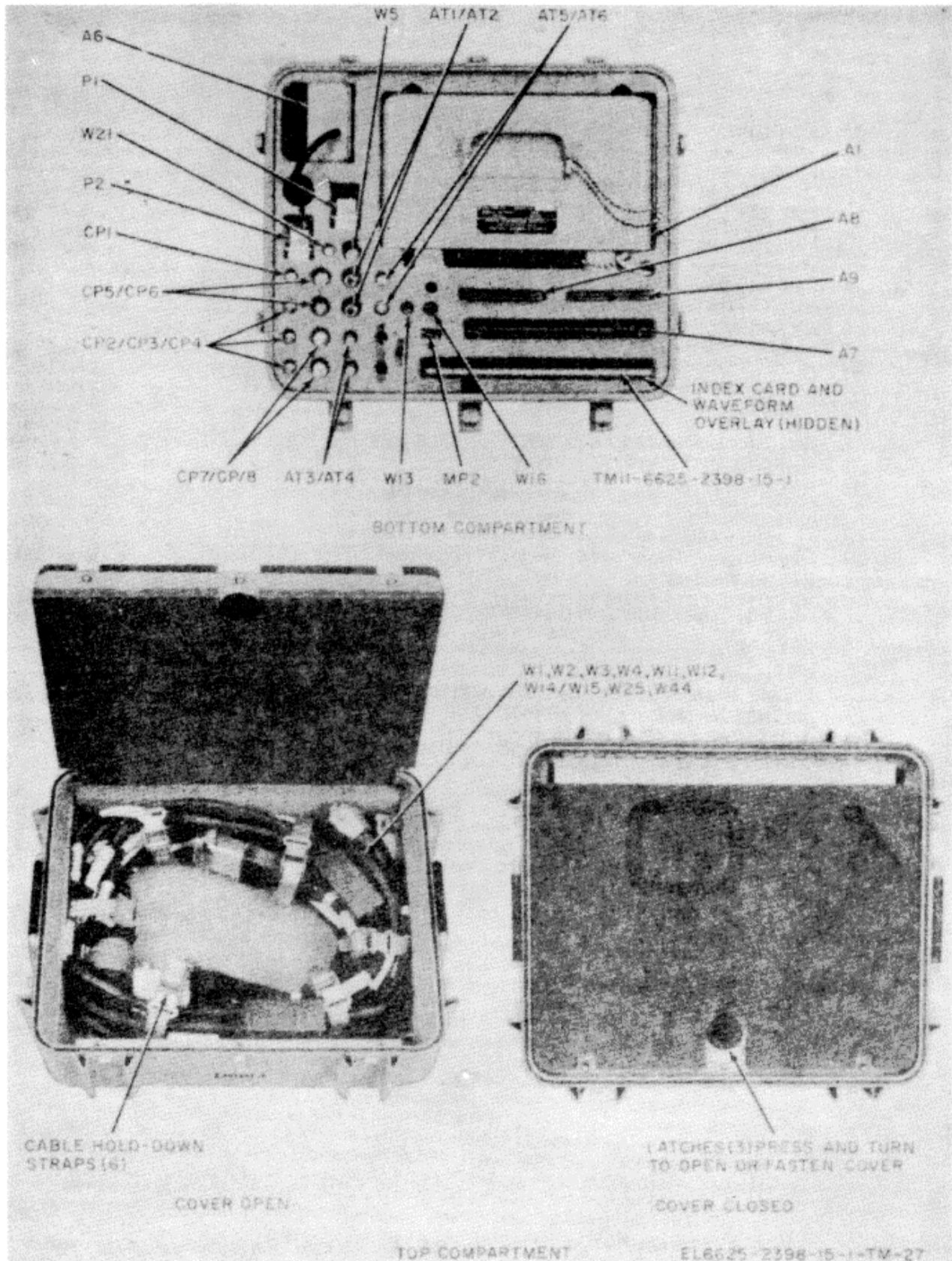


Figure 1-1. Test facilities set AN/TPM-24(V)1

## CHAPTER 1

### INTRODUCTION

#### Section I. GENERAL

##### 1-1. Scope

a. This manual describes Test Facilities Set AN/TPM-24(V)1 (fig. 1-1) and provides Instructions for installation, use, and maintenance. It includes Instructions for cleaning, inspection, troubleshooting, testing, calibration, repair and replacement. It also lists tools, materials, and test equipment required for maintenance. A functional analysis of the equipment is also covered.

b. The repair parts and special tools lists will appear in appendix D.

b. *Report of Packaging and Handling Deficiencies.* Fill out and forward DD Form 6 (Report of Packaging and Handling Deficiencies) as prescribed in AR 700-58 (Army)/NAVSUP Pub 378 (Navy)/AFR 71-4 (Air Force) and MCO P4030.29 (Marine Corps).

c. *Discrepancy In Shipment Report (DISREP) (SF 361).* Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38 (Army)/NAVSUP Pub 459 (Navy)/AFM 75-34 (Air Force) and MCO P4610.19 (Marine Corps).

##### 1-2. Indexes of Publications

a. *DA Pam 310-4.* Refer to the latest Issue of DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

b. *DA Pam 310-7.* Refer to DA Pam 310-7 to determine whether there are modification work orders (MWO's) pertaining to the equipment.

##### 1-3.1 Reporting of Equipment Publication Improvements

The Reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-C, Fort Monmouth, NJ 07703.

##### 1-3. Forms and Records

a. Reports of Maintenance and Unsatisfactory Equipment. Maintenance forms, records, and reports which are listed in and prescribed by TM 38-750.

#### Section II. DESCRIPTION AND DATA

##### 1-4. Purpose and Use

a. Test Facilities Set AN/TPM-24(V)1 is a portable set of special test accessories used to support the maintenance of Interrogator Set AN/TPX-45. It contains cable assemblies, a hybrid attenuator, a front panel test adapter, and minor components (including connector adapters, dummy loads, extender boards, and similar items), all housed in a transit case.

b. Four of the AN/TPM-24(V)1 cable assemblies provide interconnections between the major assemblies of Interrogator Set Group OX-6/TPX-45 when Receiver-Transmitter, Radio RT-861/UPX and Electronic Switch SA-1598/TPX-45, are removed from Interrogator Set Group Case CY-6391/TPX-45. Minor components provide terminations for the rf sum and rf difference

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