

TECHNICAL MANUAL

**OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT, GENERAL SUPPORT,
AND DEPOT MAINTENANCE MANUAL
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS**

TEST FACILITIES SET AN/TPM-24(V)3

(NSN 6625-00-133-7865)

**This copy is a reprint which includes current
pages from Changes 1 and 2. The title was
changed by Change 2.**

HEADQUARTERS, DEPARTMENT OF THE ARMY

AUGUST 1971

TECHNICAL MANUAL }
 No. 11-6625-2398-15-3

HEADQUARTERS
 DEPARTMENT OF THE ARMY
 WASHINGTON, DC, 10 August 1971

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REPORTING OF ERRORS

You can help improve this manual by calling attention to errors, recommending improvements, and stating your reasons for the recommendations.

Your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) should be mailed directly to Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. A reply will be furnished directly to you.

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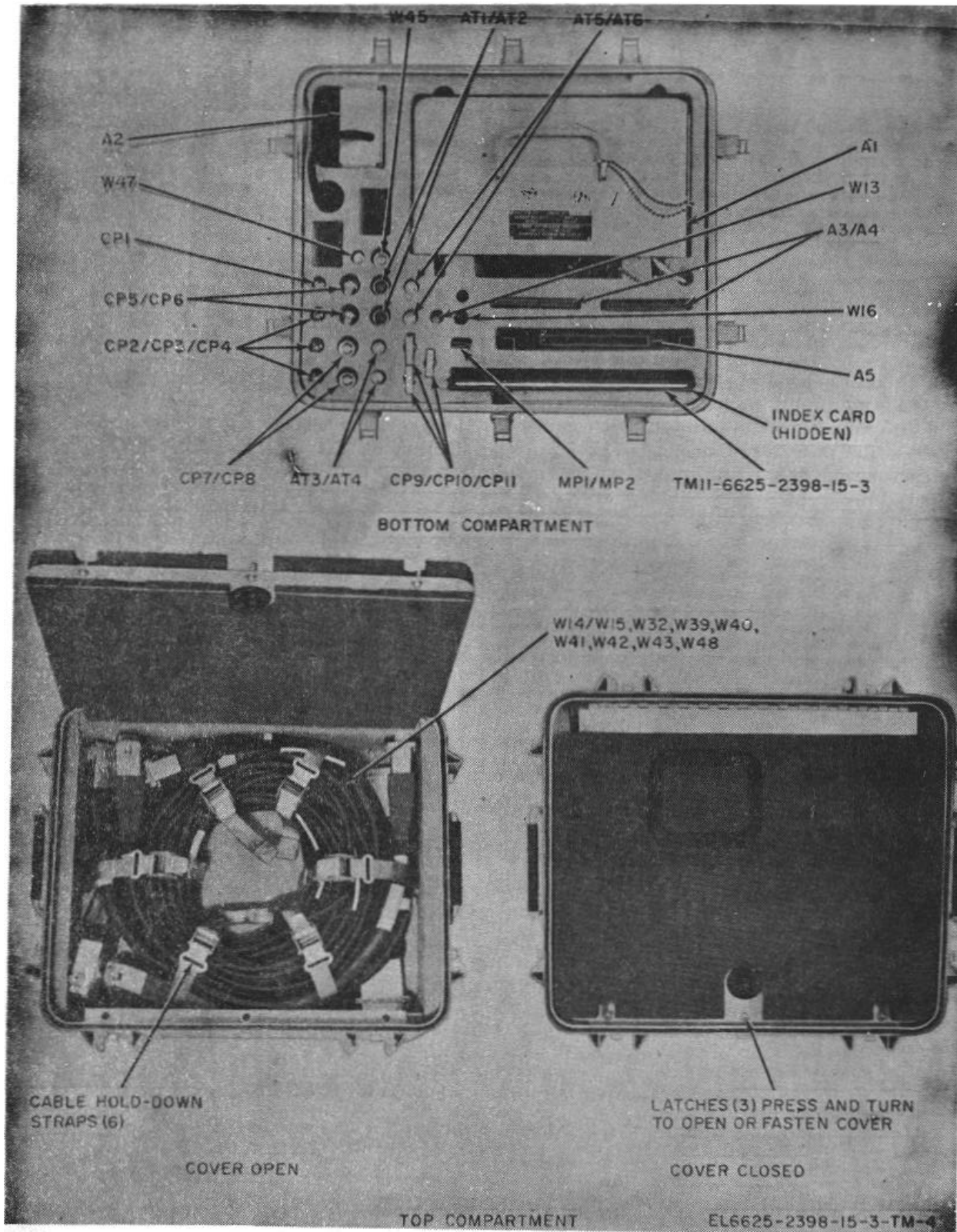


Figure 1-1. Test Facilities Set AN/TPM-24(V)3

CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual describes Test Facilities Set AN/TPX-24(V)3 (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.

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

1-3. Forms and Records

a. *Reports of Maintenance level and Unsatisfactory Equipment .* Maintenance forms records and reports which are to be used by maintenance personnel at all maintenance level are listed in and prescribed by TM 38-750.

b. *Report of packaging and Handling Deficiencies .* Fill out and forward DD Form 6 (Packaging Improvement Report) as prescribed in AR 700-58/NAVSUPINST 4030.29/AFR 71-13/MCO P4030.29A, and DLAR 4145.8.

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/NAVSUPINST 4610.33A/AFR 75-18/ MCO P4610.19B and DLAR 5400.15.

1-3.1. Destruction of Army Electronics Materiel

Destruction of Army electronics materiel to prevent enemy use shall be in accordance with TM 750-244-2.

1-3.2. Reporting Equipment Improvement Recommendations (EIR)

EIR' s will be prepared using SF 368, Quality Deficiency Report. Instructions for preparing EIR's are provided in TM 38-750, the Army Maintenance Management System. EIR's should be mailed directly to Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth. New Jersey 07703. A reply will be furnished directly to you.

Section II. DESCRIPTION AND DATA

1-4. Purpose and Use

a. Test Facilities Set AN TPM -24(V) 3 is a portable set of special test accessories used to support the maintenance of Interrogator Set AN TPX -50 If contains cable assemblies a hybrid attenuator, a front panel test adapter and minor components (including connector adapters, dummy lads, extender boards and similar items) all housed in a transit case.

b. Five of the AN TPX -24(V) 3 cable assemblies provide intraconnection between the major assemblies of

Interrogator Set Group OX-8/TPX-50 when Signal Processor CP-936/TPX , and Radio Receiver-Transmitter RT-903/TPX-50 are removed from Interrogator Set Group Cabinet CY-6442 TPX -50. Two other AN/TPM -24 (V)3 cable assemblies connect the OX-8/TPX-50 to external power and triggering sources. One AN/TPM-24(V)3 cable assembly and minor components provide termination for the rf sum and rf difference channels of Interrogator set