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TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT  
AND GENERAL SUPPORT MAINTENANCE MANUAL

TEST SET, TRANSISTOR TS-1836D/U  
NSN 6625-00-138-7320

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

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HEADQUARTERS, DEPARTMENT OF THE ARMY  
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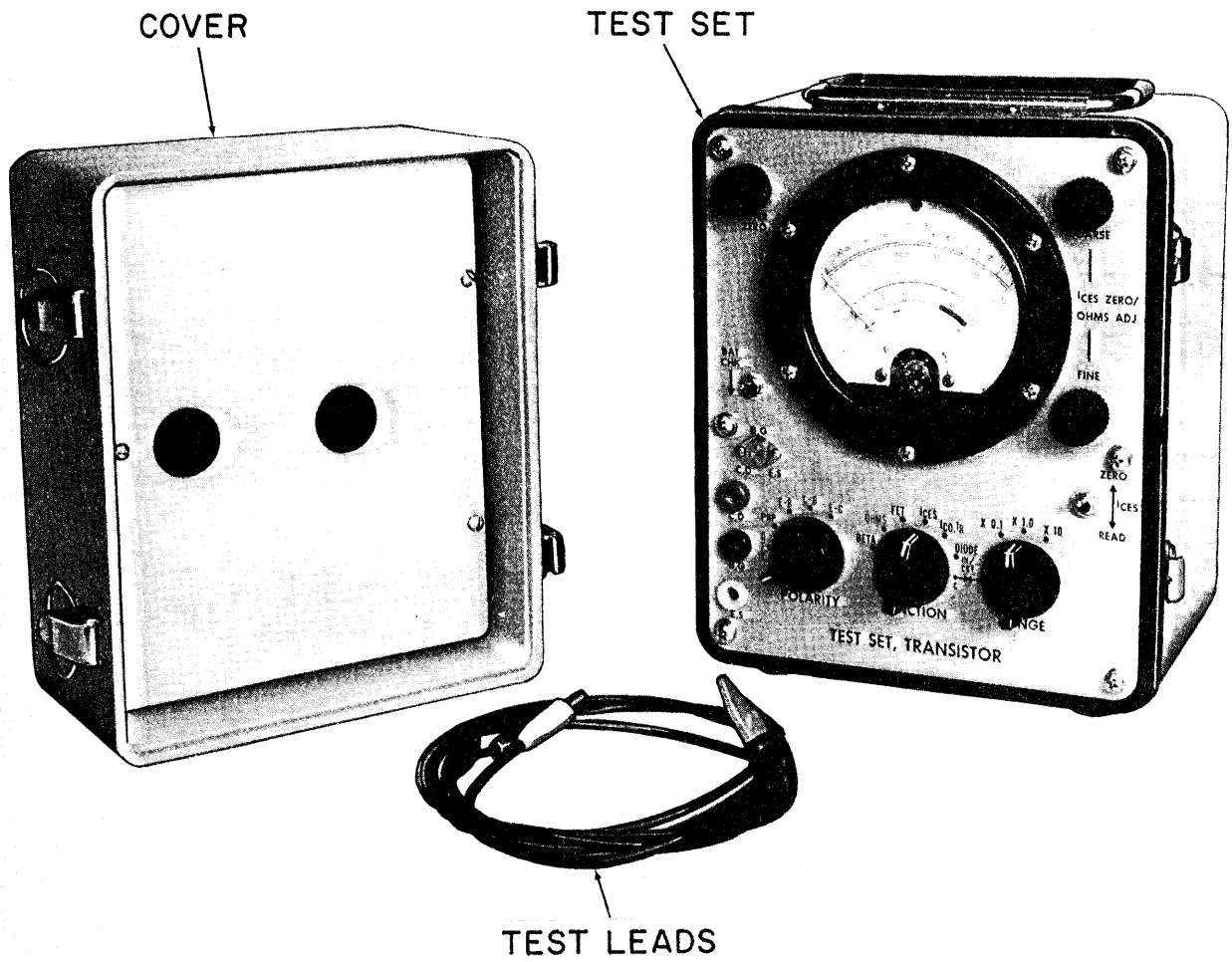
Operator's, Organizational, Direct Support, and General Support Maintenance Manual

TEST SET, TRANSFORMERS TS-1836D/U  
NSN 6625-00-138-7320

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Figure 1-1. Test Set, Transistor TS-1836D/U.

## CHAPTER 1

### INTRODUCTION

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#### Section I. GENERAL

##### 1-1. Scope

*a.* This manual describes Test Set, Transistor TS-1836D/U (test set) (fig. 1-1) and provides instructions for operation, cleaning, troubleshooting, testing, aligning, and repairing the equipment. It also lists tools, materials, and test equipment required for organizational and general support maintenance. No direct support maintenance is authorized for the equipment.

*b.* A list of references is contained in appendix A.

*c.* The maintenance allocation chart (MAC) appears in appendix C.

*d.* Appendix D contains test data for transistors and diodes, the testing of which is within the capability of this test set. Refer to this appendix to determine whether test indications are within the listed requirements for the device under test. The appendix is divided into separate sections for bipolar transistors, field effect transistors, and diodes and rectifiers. A separate section contains transistors basing data which helps to identify the terminals of devices to be tested.

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

*a.* *DA PAM 310-4.* Refer to the latest issue of DA Pam 310-04 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. Forms and Records

*a.* *Reports of Maintenance and Unsatisfactory*

*Equipment.* Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels 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/NAVSUP PUB 378/AFR 71-4/MCO P4030.29, and DSAR 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 4610.33/AFM 75-18/MCO P4610.19A, and DSAR 4500.15.

##### 1-4. Reporting of Errors

Report of errors, omissions, and recommendations for improving this publication is authorized and encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forwarded direct to Commander, US Army Electronics Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703.

##### 1-5. Administrative Storage

For procedures, forms, and records, and inspections required during administrative storage of this equipment, refer to chapter 2.

##### 1-6. Destruction of Army Materiel

Demolition and destruction of electronic equipment will be under the direction of the commander and in accordance with TM 750-244-2.

#### Section II. DESCRIPTION AND DATA

##### 1-7. Purpose and Use

Test Set, Transistor TS-1836D/U is a portable test set powered by a self-contained battery power

supply. It is designed to test transistors and diodes either in circuit or out of circuit. The required type of test is selected by a function