

**TECHNICAL MANUAL**

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

**TEST SET, BATTERY AN/PSM-13 (NSN 6625-00-868-8344)**

**This copy is a reprint which includes current pages from Changes 1 through 3. The title was changed to read as shown above by Change 3.**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY  
26 FEBRUARY 1968**

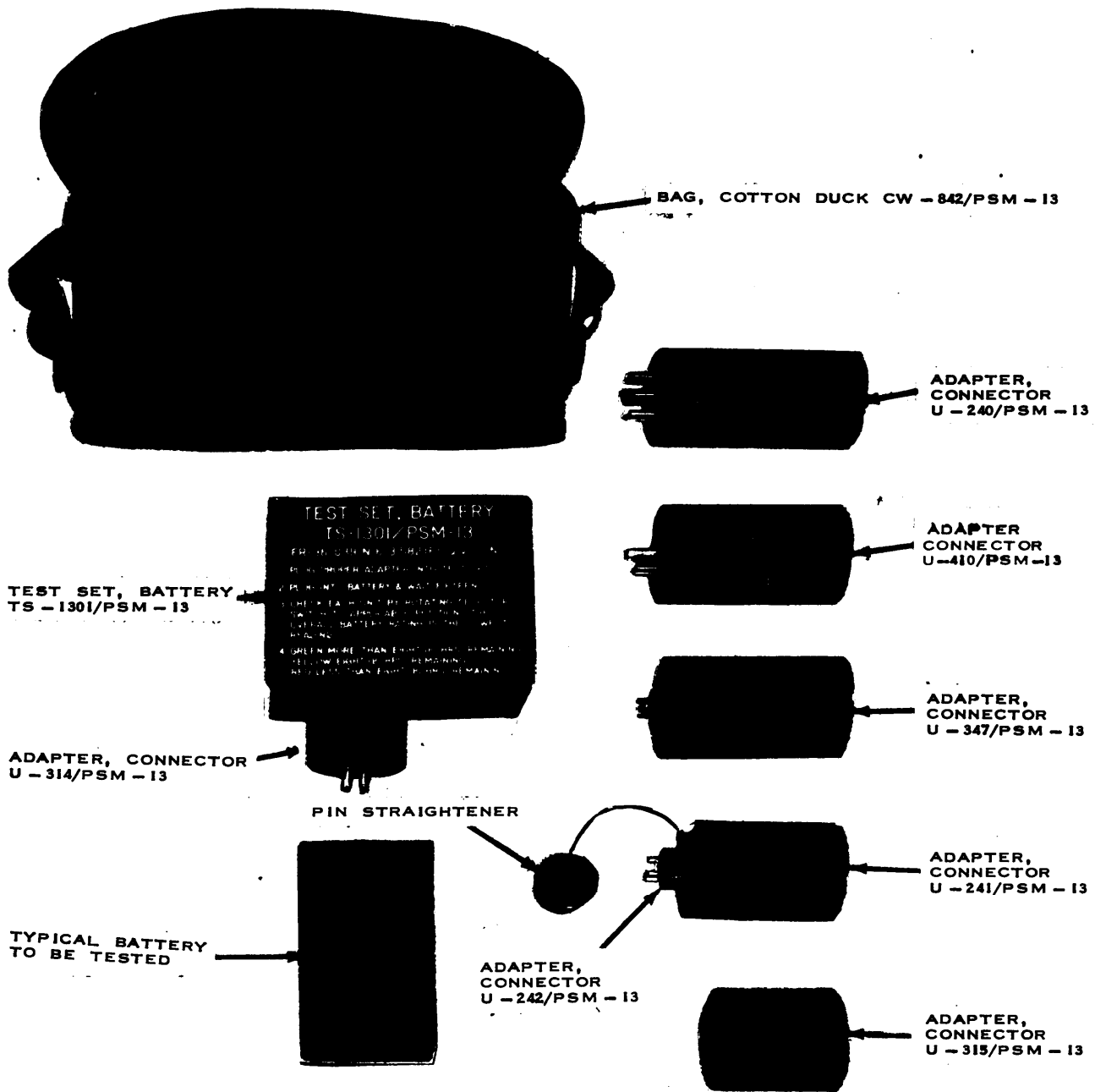
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Figure 1-1. Test Set, Battery AN/PSM-13.

## CHAPTER 1

### INTRODUCTION

#### Section I GENERAL

##### 1-1. Scope

*a.* This manual describes Test Set, Battery AN/PSM-13 (fig. 1-1) and provides instruction for operation and maintenance. Test Set, Battery AN/PSM-13 is referred to as the *battery tester* in this manual. The manual also contains a basic issue items list (app B) and a maintenance allocation chart (app C).

*b.* Appendix C is current as of 3 June 1977. Appendix B is current as of 24 April 1973.

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

*a.* *DA Pam 310-4.* Refer to 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. Maintenance Forms, Records, and Reports

*a.* *Reports of Maintenance and Unsatisfactory Equipment.* Department of the Army forms and procedures used for equipment maintenance will be those described by TM 38-750, the Army Maintenance Management System.

*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 Record (DISREP) (SF 361).* Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33B/AFR 75-18/MCO P4610.19C and DLAR 4500.15.

##### 1-3.1. Reporting of Errors

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

##### 1-3.2. Reporting Equipment Improvement Recommendations (EIR)

EIR can and must be submitted by anyone who is aware of an unsatisfactory condition with the equipment design or use. It is not necessary to show anew design or list a better way to perform a procedure; just simply tell why the design is unfavorable or why a procedure is difficult. EIR may be submitted on SF 368 (Quality Deficiency Report). Mail direct to Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. A reply will be furnished to you

##### 1-3.3. Administrative Storage

Administrative storage of equipment issued to and used by Army activities shall be in accordance with TM 740-90-1.

##### 1-3.4. Destruction of Army Electronics 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

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

The battery tester is used to test Batteries, Dry BA-270/U, BA-279/U, BA-376/U, BA-377/U, BA-386/PRC-25, BA-398/PRC-25, BA-399/U, BA-505/U, BA4386/PRC-25, and BA-4505/U. It provides a determination of the remaining useful life of each battery section. The proper load is established by using Adapter, Connector U-240/PSM-13, U-241/PSM-13, U-410/PSM-13, U-314/PSM-13, U-315/PSM-13, or U-347/PSM-13 (adapter connector) specifically designed for each battery to be tested.

##### 1-5. Tabulated Data

###### *a. Test Set, Battery TS-1301/PSM-13.*

Meter:

Sensitivity ----- 1 milliamper (ma)  $\pm$  1%.

Resistance at 25° C ----- 100 ohms  $\pm$  3.

Selector switch ----- Four-position rotary.

###### *b. Adapter, Connector U-240/PSM-13.*

Used to test ----- BA-279/U or BA-377/U.

Weight ----- 5 ounces.

###### *c. Adapter, Connector U-242/PSM-13 Mounted on Adapter, Connector U-241/PSM-13.*

Used to test ----- BA-270/U or BA-376/U.