This copy is a reprint which includes current pages from Change 1. Title was changed by Change 1.

TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL DIRECT SUPPORT,

AND GENERAL SUPPORT MAINTENANCE MANUAL

INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST

TEST SETS, BATTERY

TS-2530/UR

(NSN 6625-00-933-61 12)

AND

TS-2530A/UR

(NSN 6625-00-238-0223)

HEADQUARTERS DEPARTMENT OF THE ARMY WASHINGTON, DC, 30 October 1973

No. 11-6625-2631-14

Operator's, Organizational, Direct Support, and General Support Maintenance Manual Including Repair Parts and Special Tools Lists TEST SETS, BATTERY TS-2530/UR (NSN 6625-00-933-6112) AND TS-2530A/UR (NSN 6625-00-238-0223)

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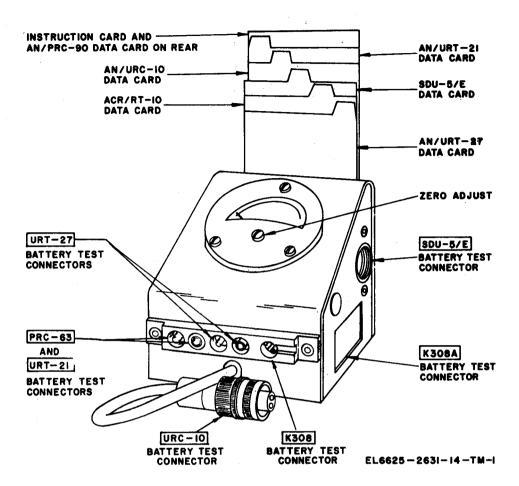


Figure 1-1. Battery Test Sat TS-2530/UR.

CHAPTER 1 INTRODUCTION

Section I GENERAL

1-1. Scope

- a. This manual describes Teat Set, Battery TS-253/UR (fig. 1-1, FSN 6625-933-6112. Information provided herein includes description, installation, operation, functioning of equipment organizational and general support maintenance.
- b. complete listing of applicable publications is provided in appendix A the maintenance allocation chart (MAC) is provided in appendix B and the repair parts and special tools list is provided in appendix C.
 - c. Appendix C is current as of 31 August 1978.

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 this equipment.
- b. DA Pam 310-7. Refer to the latest issue of DA Pam 310-7 to determine whether there are modification work oders (MWOs) pertaining to this equipment.

1-3. Forms and Records

- a. Reports of Maintenance and Unsatisfatory Equipment Maintenance forms records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribe by TM 38-750.
- b. Report of Packaging and Handling Deficiencies Fill out and forward DD Farm 6 (Packaging Improvement Report) as prescribed in AR 700-58/NAVSUPINST 4030.29/AFR 71-13/MCO P403029& and DSAR 4145.8.

c. Discrepancy in Shipment Report (DLSREP) (SF 361). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38 /NAVSUPINST 4610.33 A/AFR 75-18/MCO P4610.19B and DSAR 4500.15.

1-4. Destruction of Army Materiel To Prevent Enemy Use

Refer to TM 750-244-2 for procedures to he used for this equipment.

1-5. Administrative Storage

Refer to TM 750-90-1 for procedures to be used when equipment is to be placed in administrative storage.

1-6. Reporting of Errors

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 Blank Forms) and forward direct to Commander, US Army Electronics Command, ATTN. DRSEL-MAQ, Fort Monmouth, NJ 07703.

1-6.1. Reporting Equipment Improvement Recommendations (EIR)

EIR's will be prepared using DA Form 2407, Maintenance Request. Instructions for preparing EIR's are provided in TM 38-750, the Army Maintenance Management System. EIR's should be mailed direct to Commander, US Army Electronics Command, ATTN: DRSELMA-Q, Fort Monmouth, NJ 07703. A reply will be furnished direct to you.

Section II. DESCRIPTION AND DATA

1-7. Purpose and Use (fig. 1-1)

a.Purpose. Test Set Battery TS-2530/UR is a portable device which is used to check battery condition and determine remaining hours of life for batteries used in various types of radio sets and rescue lights. Test set meter reading s for batteries under test are converted into life-hour figures by the use of battery data cards for each type of battery.

b. Use . The test set is used principally by organizational maintenance personnel to determine the state of discharge of the batteries listed in paragraph c. The test provides a chart fcr each battery typewhich indicates the relation of the state of battry dischage to life expectancy at various temperature . Depending on the results obtained from interpreting the test set

meter readings versus the respective battery data , a battery maybe acceptable for further use, or may be rejected and discarded.

- c. Appliation Data Batteries used in the following equipments can be test by Test Set, Battery TS-2530/UR:
 - (1) Radio Set AN/URC-10.

NOTE

The TS-2530/UR and TS-2530A/UR battery data cards for the AN/PRC-90 are incorrect and are not to be used. Refer to paragraph 7-3 of data sheets for updated battery test information for both test set models when testing battery BA-1568/U.

- (2) Radio Set ACR/RT-10.
- (3) Radio set AN/URT-21.