

TM 11-6625-1702-35

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DS, GS, AND DEPOT MAINTENANCE MANUAL

TEST SET, ANTENNA AN/ARM-115

This copy is a reprint which includes current pages from Changes 1 through 3. Title was changed by Change 3.

HEADQUARTERS, DEPARTMENT OF THE ARMY
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**DS, GS, AND DEPOT MAINTENANCE MANUAL
 TEST SET, ANTENNA AN/ARM-115
 (NSN 6625-00-935-4293)**

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CHAPTER 1 FUNCTIONING

Section I. INTRODUCTION

1-1. Scope

a. This manual contains direct support (DS), general support (GS), and depot maintenance instructions for Test Set. Antenna AN/ARM-115. It includes instructions for troubleshooting, testing, and repairing the test set. It also lists tools, test equipment, and materials required for maintenance. Detailed circuit functioning is covered in paragraphs 1-8 through 1-12.

b. The complete technical manual for the test set includes TM 11-6625-1702-12.

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.

1-2.1. 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/NAVSUPINST 4030.29/AFR 71-13/MCO P4030.29A, and DSAR 4145.8.

c. *Discrepancy in Shipment Report (DISREP) (SF 361)*. Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as pre-

scribed in AR 55-38/NAVSUPINST 4610.33A/AFR 75-18/MCO P4610.19B and DSAR 4500.15.

1-2.2. Reporting of Errors

You can help improve this manual by calling attention to errors and by 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 direct to Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmouth, NJ 07703.

1-2.3. Reporting Equipment Improvement Recommendations (EIR)

EIR 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 directly to Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmouth, NJ 07703. A reply will be furnished directly to you.

1-2.4. Administrative Storage

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

1-2.5. Destruction of Army Electronics Materiel

Destruction of Army electronics materiel to prevent enemy use shall be as prescribed in TM 750-2442.

Section II. BLOCK DIAGRAM FUNCTIONING

1-3. General Block Diagram Functioning

The test set is used to perform complete operational checks and adjustments of the 437S-1/1A VHF/FM Blade Antenna hereafter referred to as the *antenna under test*. The test set provides

the controls and indicators that are necessary to operate and test the antenna under test and also provides a ground plane for operational tests. Test results are indicated by a meter on the front panel and also be observed on an oscilloscope connected to the test set. Paragraphs 1-4