
TECHNICAL MANUAL

**ORGANIZATIONAL, DIRECT SUPPORT, AND
GENERAL SUPPORT MAINTENANCE MANUAL
FOR
SIMULATOR SET
AN/USM-393
(NSN 6625-00-134-2976)**

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

HEADQUARTERS, DEPARTMENT OF THE ARMY

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**Organizational, Direct Support,
 and General Support
 Maintenance Manual
 for
 SIMULATOR SET AN/USM-393
 (NSN 6625-00-134-2976)**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 20282 located in back of this manual direct to: Commander, US Army Communications Electronics Command and Fort Monmouth, ATTN: DRSEL MEMP, Fort Monmouth, NJ 07703. In either case, a reply will be furnished direct to you.

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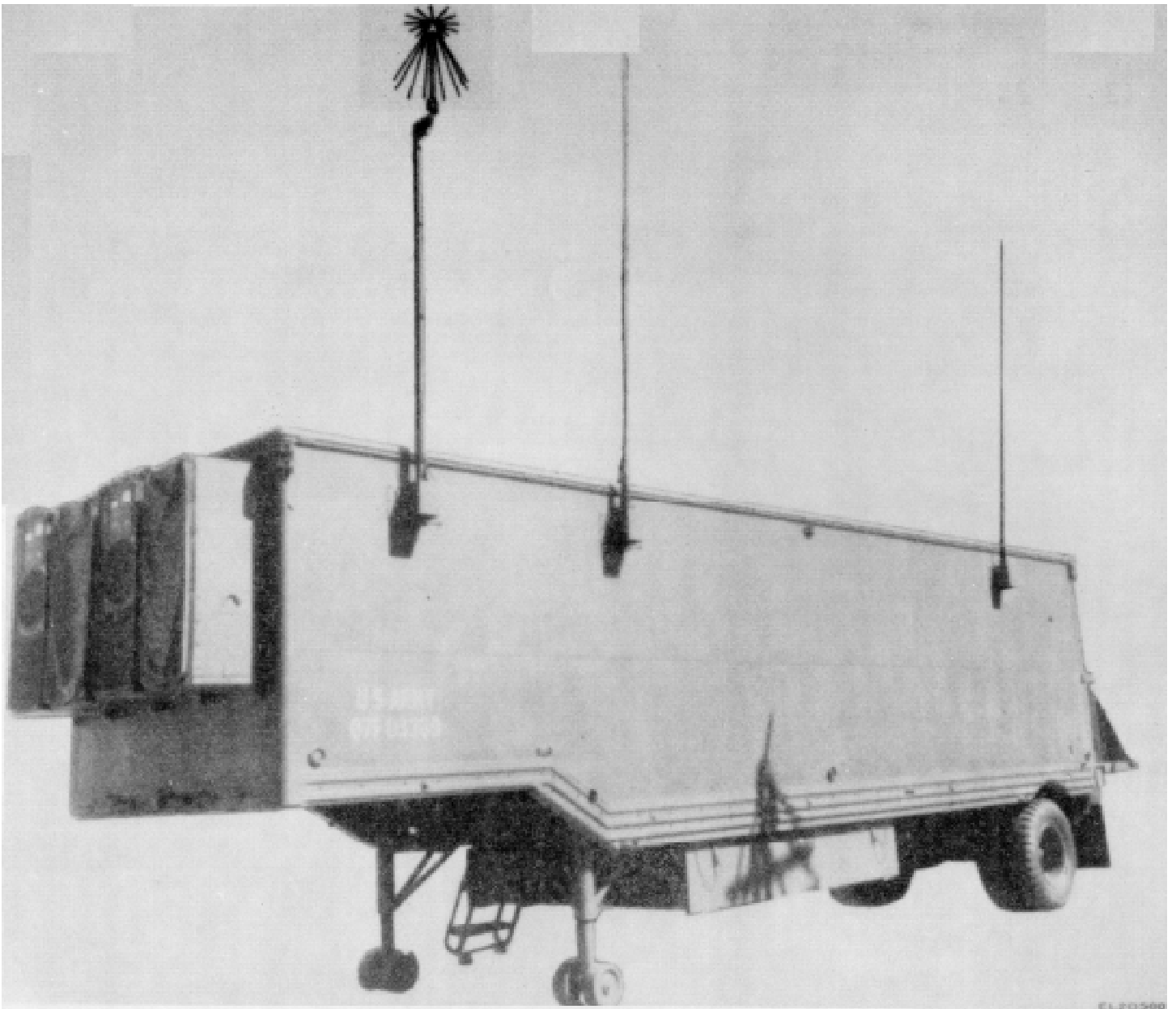


Figure 1-1. Simulator Set AN/USM-33

CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual provides a functional description, and organizational, direct support, and general support maintenance instructions for Simulator Set AN/USM-393, commonly known as the Simulator Set. The manual consists of seven chapters and four appendices.

a. Chapter 1, Introduction, consists of two sections. Section I, furnished information relating to forms, records, reports, and references. Section II references the operator manual for a general description of the equipment and technical characteristics in the form of tabulated data. Additionally, it references the operator manual for a list of items that comprise an operable equipment.

b. Chapter 2, Organizational Maintenance Instructions, consists of six sections. Section I defines the scope of organizational maintenance. Section II lists the tools, test equipment, and materials required. Section III provides repainting and refinishing instructions. Section IV presents instructions for organizational preventive maintenance checks and services. Section V furnishes organizational troubleshooting instructions. Section VI contains unit removal and replacement procedures.

c. Chapter 3, Functioning of the equipment, contains a functional description of the hardware configuration of the Simulator Set AN/USM-393 and its operational relationship to Countermeasures Receiving Set, AN/ALQ-133, Digital Data Set AN/USQ-61A, and Flight Line Test Set, AN/ALM-154.

d. Chapter 4, Direct Support Maintenance, provides maintenance instructions that are the responsibility of direct support maintenance personnel.

e. Chapter 5, General Support Maintenance, defines the responsibilities of general support maintenance personnel.

f. Chapter 6, Wire Lists, contains wire list information.

g. Chapter 7, Diagrams, furnishes the cable diagrams.

h. Appendix A lists applicable references.

i. Appendix B contains the maintenance allocation chart and a table listing tool and test equipment requirements.

j. Appendix C contains the expendable supplies and materials lists.

k. Appendix D contains coverage on Semitrailer Van V-495/USM-393.

1-2. Maintenance Forms, Records, and Reports and Reports

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

b. *Report of Packaging and Handling Deficiencies.* Fill out and forward SF 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-11-21 DLAR 4140.551NAVMATINST 4355.73/AFR 400541MCO 4430.3E.

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 4610.33B/AFR 75-18/MP4610.19C/DI, AR 4500.15.

1-3. Consolidated Index of Army Publications and Blank Forms

Refer to the latest issue of DA Pam 310-1 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

1-4. Destruction of Army Electronics Materiel

Destruction of Army electronics materiel to prevent enemy use shall be in accordance with TM 750244-2.

1-5. Administrative Storage

Administrative storage requirements are described in TM 740-90-1.

1-6. Calibration

Simulator Set AN/USM-393 does not require calibration as a complete set.

1-7. Reporting Equipment Improvement Recommendations (EIR)

If your Simulator Set, AN/USM-393 needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Put it on an SF 368 (Quality Deficiency Report). Mail it to Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, NJ 07703. We'll send you a reply.