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DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL

TEST SET, RADIO AN/VRM-1

This copy is a reprint which includes current pages from Changes 1 through 5.

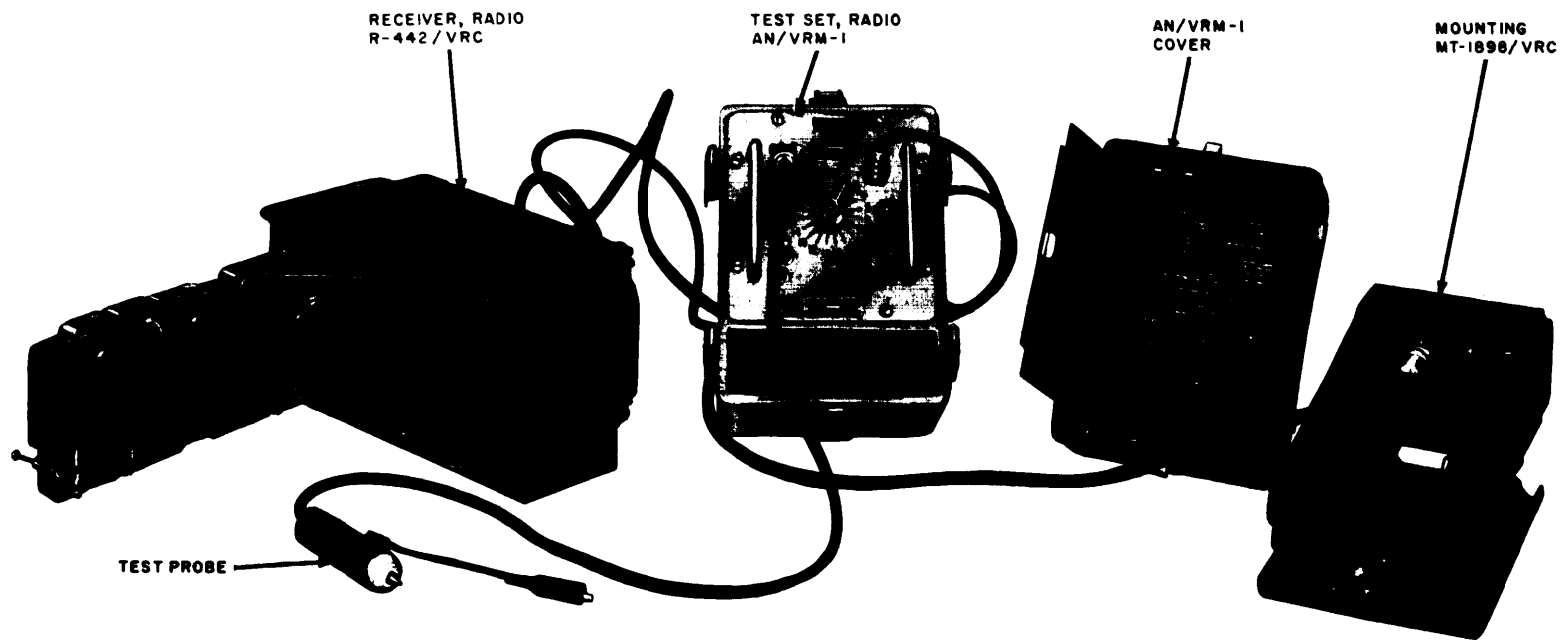
***HEADQUARTERS, DEPARTMENT OF THE ARMY
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HEADQUARTERS,
DEPARTMENT OF THE ARMY
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TEST SET, RADIO AN/VRM-1

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Figure 1. Test Set, Radio AN/VRM-1, test-bench application.

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1. Scope

This manual describes Test Set, Radio AN/VRM-1 and covers its installation, operation, operator's maintenance, organizational maintenance, and repackaging instructions for shipment or limited storage. It includes cleaning and inspection of the equipment, and replacement of parts available to operator and organizational maintenance personnel.

2. Forms and Records

a. Unsatisfactory Equipment Report. Fill out and forward DA Form 468 (Unsatisfactory Equipment Report) as specified in AR 700-38.

b. Report of Damaged or Improper Shipment. Fill out and forward DD Form 6 (Report of Damaged or Improper Shipment) as prescribed in AR 700-58.

c. Preventive Maintenance Forms. Prepare DA Form 11-266 (fig. 11, 13, and 14)

(Maintenance Check List for Signal Equipment (Test Equipment)), in accordance with instructions on the form.

d. Parts List Form. Forward DA Form 2028 (Recommended Changes to DA Technical Manuals Parts Lists or Supply Manual 7, 8, or 9) direct to the Commanding Officer, U.S. Army Signal Materiel Support Agency, ATTN: SIGMS-MLM Fort Monmouth, N.J., to recommend changes in, or to comment on, Basic Issue Items Lists or Repair Parts and Special Tools Lists.

e. Comments on Manual. Forward all other comments on this publication direct to the Commanding Officer, U.S. Army Signal Materiel Support Agency, ATTN: SIGMS-MPP-4, Fort Monmouth, N.J.

3. Index of Equipment Publications

Refer to DA Pam 310-4 to determine what Changes to or revisions of this publication are current.

Section II. DESCRIPTION AND DATA

4. Purpose and Use

Test Set, Radio AN/VRM-1 is a portable equipment for testing the plug-in modules of Receiver, Radio R-442/VRC and Receiver-Transmitters, Radio RT-246/VRC and RT-524/VRC. The AN/VRM-1 is used by organizational maintenance personnel responsible for maintaining the components of Radio Set AN/VRC-12 and Radio Sets AN/VRC-43 through -49.

5. Technical Characteristics

Input power requirements. . . . 300 milliamperes at 26 volts direct current.

Modules tested:

Direct (individual module isolated) A2100, A3100, A3500, A4100, A4200, A4300, A5100, A8400.

Indirect (one of several related modules isolated)

A3200, A3300, A3400, A3600, A3700, A5200, A5300, A8100, A8200, A8300, A8500.

Test indication . . . Indicator lamps.

6. Table of Components

The components of the AN/VRM-1 are listed in the Basic Issue Items List (appx II). The components are illustrated in figure 2.

7. Description of Test Set, Radio

TS-1777/VRM-1

(fig. 3)

a. Test Set, Radio TS-1777/VRM-1 is a compact, lightweight test set housed in a

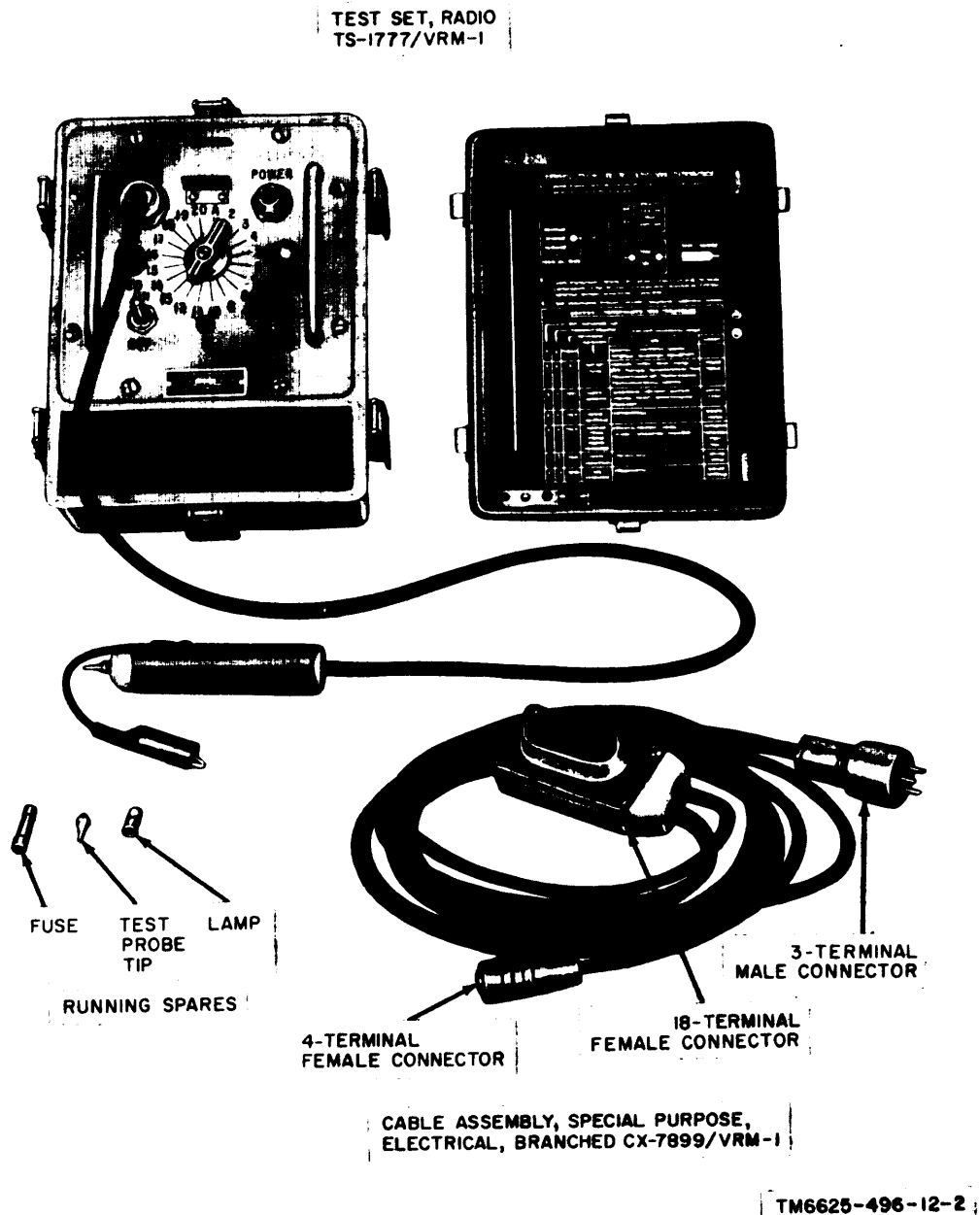


Figure 2. Test Set, Radio AN/VRM-1, components and running spares.