

# **TM 11-6625-928-35**

**DEPARTMENT OF THE ARMY TECHNICAL MANUAL**

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**DIRECT SUPPORT,            GENERAL SUPPORT,  
AND DEPOT MAINTENANCE MANUAL**

## **TEST FACILITIES KIT**

### **MK-994/AR**

This copy is a reprint which includes current pages from Changes 1 through 8.

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**Direct Support, General Support,  
and Depot Maintenance Manual**

**TEST FACILITIES KIT MK-994/AR  
(NSN 6625-00-802-7191)  
AND MK-994A/AR  
(NSN 6625-01-189-7882)**

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## CHAPTER 1

### INTRODUCTION

#### 1-1. Scope

*a.* This manual contains instructions for direct, general support and depot maintenance for Test Facilities Kit MK-994/AR and MK-994A/AR (maintenance kit). It includes instructions appropriate to direct and general support and depot maintenance for troubleshooting, testing, and repairing the equipment, and replacing maintenance parts. It also lists tools, materials, and test equipment required for direct and general support and depot maintenance. Detailed functions of the maintenance kit are covered in chapter 2.

*b.* The complete technical manuals for this equipment include TM's 11-6625-928-12, 20P, and 34P.

##### 1-1.1. 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 prescribed by DA Pam 738-750 as contained in Maintenance Management Update.

*b. Report of Packaging and Handling Deficiencies.* Fill out and forward SF 364 (Report of Discrepancy (ROD)) prescribed in AR 735-11-2/DLAR 4140.55/NAVMATINST 4355.73A/AFR 400-54/MCO 4430.3F.

*c. Discrepancy in Shipment Report (DISREP)(SF361).* Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33C/AFR 75-18/MCO P4610.19D/DLAR 4500.15.

#### 1-2. 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.

#### 1-3. 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 or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-ME-MP, Fort Monmouth, New Jersey 07703-5007.

##### 1-3.1. Reporting Equipment improvement Recommendations (EIR)

If your Test Facilities Kits MK-994/AR or MK-994A/AR need 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: AMSEL-ME-MP, Fort Monmouth, New Jersey 07703-5007. We'll send you a reply.

#### 1-4. Common Names

The following are common names of equipment referred to in this manual:

<i>Equipment</i>
Wattmeter AN/URM-120.
Signal Generator AN/URM-103.
Signal Generator AN/URM-44A.
Signal Generator AN/URM-127.
Multimeter ME-26B/U.
Electronic Voltmeter ME-30A/U.
Headset-Microphone H-101A/U.
RF Signal Generator Set AN/URM-25D.
Multimeter TS-352B/U.
Electronic Voltmeter AN/URM-145.
Electronic Voltmeter AN/USM-98.
Impedance Adapter MX-1487/URM-25D.
Facility +27.5 ± 0.5-volt dc power source.
Facility 115 ± 5-volt, 400-Hz, single-phase power source.
Detector DT-307/G.
Oscilloscope AN/USM-140A.
Communication System Control C-6533/ARC (part of MK-994/AR).
Communication System Control C-6533/ARC (under test).

<i>Common name</i>
Wattmeter.
Fm generator.
Am generator.
Audio generator.
Multimeter.
Voltmeter.
Headset, or microphone.
RF generator.
Ohmmeter.
RF voltmeter.
Dc voltmeter.
50-ohm termnatmn.
+28-volt power source.
115-volt. 400-Hz power source.
Detector.
Oscilloscope.
COMM CONT NO. 1.
COMM CONT NO. 2.