TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE MANUAL

TEST SET, RADIO AN/GRM-114

(NSN 6625-01-108-6206)

HEADQUARTERS, DEPARTMENT OF THE ARMY
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OPERATOR'S, ORGANIZATIONAL, DIRECT' SUPPORT, AND GENERAL SUPPORT MAINTENANCE MANUAL

TEST SET, RADIO AN/GRM-114

IFR NO. FM/AM-1000S,
MM-100/W PB-114,
(AC-114 ACCESSORY KIT)
(NSN 6625-01-108-6206)

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 Iet us know. Mail your Ietter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA 2028-2 located in back of this manual direct to: Commander, US Army Communications-Electr[onics Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, New Jersey, 07703.

In either case, a reply will be furnished direct 10 you.

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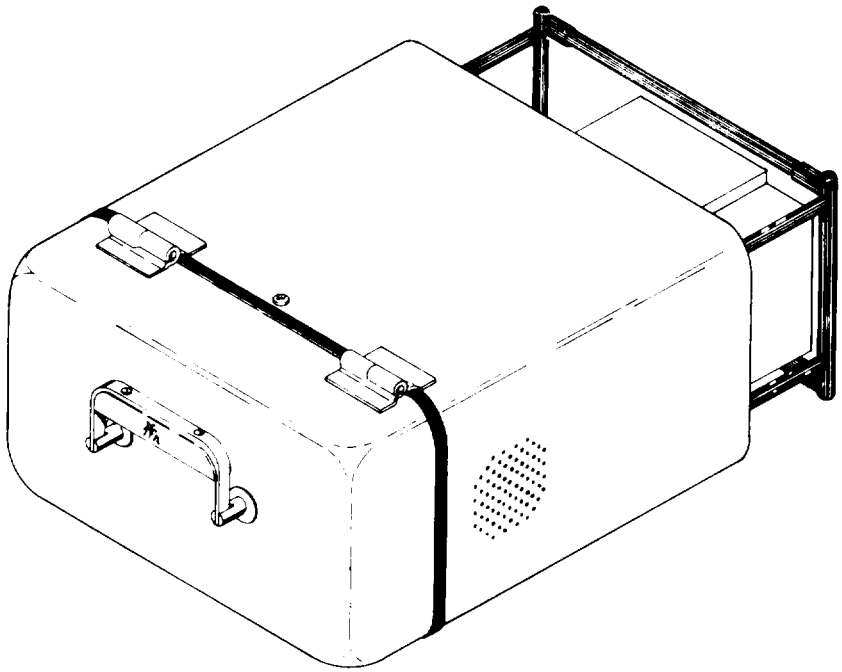

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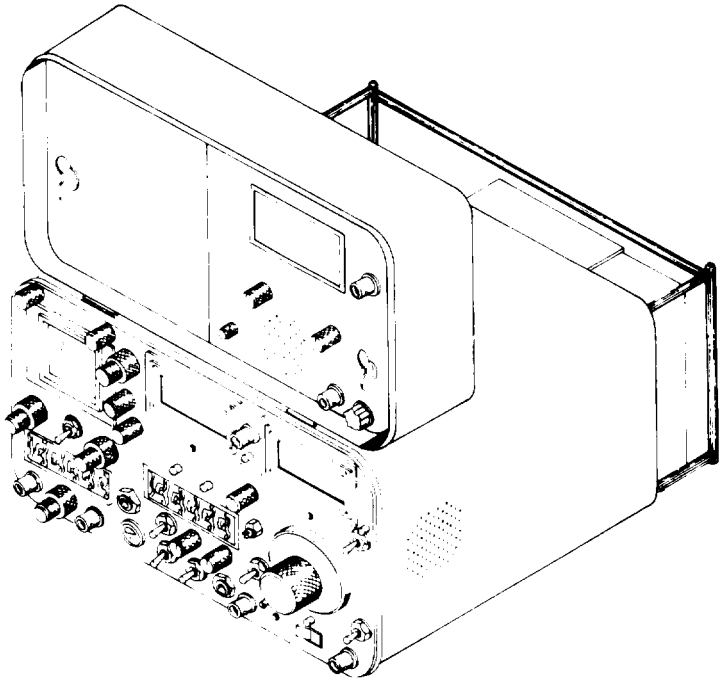

CASE OPEN

Figure 1-1. Test Set Radio AN/GRM-114

CHAPTER I

INTRODUCTION

Section I. GENERAL

1-1. Scope.

a. This manual describes Test Set, Radio AN/GRM-114 and contains information for installation, operation, and direct support (DS), and general support (GS) maintenance.

b. Repair parts and special tools to support the AN/GRM-114 are listed in TM11-6625-3016-24P.

1-2. 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 TM 38-750, The Army Maintenance Management System.

b. Report Packaging and Handling Deficiencies. Fill out and forward SF 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-11-2/DLAR 4140.55/NAVMATINST 4355.73/AFR 400.54/MCO 4430.3E.

c. Discrepancy in Shipment Report (DISREP) (SF 36/). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33B/AFR 75-18/MCO P4610.19C/DLAR 4500.15.

1-3. Reporting Equipment Improvement Recommendations (EIR). If your AN/GRM-114 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, Tell us why a procedure is hard to perform. Put it on an SF 368 (Quality Deficiency Report). Mail it to Commander, US Army Communications-Electronics Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, New Jersey 07703, We'll send you, a reply,

1-4. Administrative Storage. Administrative storage of equipment issued to and used by Army activities will have preventive maintenance performed in accordance with the PMCS charts before storing. When removing the equipment from administrative storage, the PMCS should be performed to assure operational readiness. Disassembly and repacking of equipment for shipment or limited storage are covered in paragraph 5-7.

1-5. Destruction of Army Electronics Materiel. Destruction of Army electronics materiel to prevent enemy use shall be in accordance with TM 750-244-2.

Section IL DESCRIPTION AND DATA

1-6. Purpose. Test Set, Radio, hereinafter referred to as Communications Service Monitor ANK2RM-114, or AN/GRM-114, (fig. 1-1) is a compact, light-weight, portable maintenance instrument which provides test and measurement capabilities to effectively test and service a variety of avionics and communications equipments.

1-7. Use. The AN/GRM-114 contains an internal rechargeable battery pack, and can be used almost anywhere without concern for immediate power. It can also be operated from an ac line voltage or an external dc source.

1-8. Description and Capabilities. The AN/GRM-114 incorporates the functions of an FM/AM signal generator, FM/AM receiver, RF spectrum analyzer, oscilloscope, audio generator, power monitor, and a multimeter. These functions permit the test set to perform general diagnostic tests end transmitter/receiver performance tests.

1-9. Equipment Characteristics, Table 1-1 lists the physical characteristics of the Communications Service Monitor AN/GRM-114. Table 1-2 lists the electrical characteristics, and table 1-3 lists the environmental characteristics.