TM 11-5820-771-14

TECHNICAL MANUAL

OPERATOR, ORGANIZATIONAL, DIRECT SUPPORT,

AND GENERAL SUPPORT

MAINTENANCE MANUAL

RECEIVING SET, RADIO

AN/URR-69

This copy is a reprint which includes current pages from Changes 1 and 2.3

HEADQUARTERS, DEPARTMENT OF THE ARMY

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RECEIVING SET, RADIO AN/URR-69

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CHAPTER 1

INTRODUCTION

Section 1. GENERAL

1-1. Scope

This manual describes Receiving Set, Radio AN/URR-69 (fig. 1-1). Topics covered include installation, operation, functioning, and instructions for operator, organizational, and direct support maintenance. In accordance with the current maintenance allocation chart provided in appendix C, general support maintenance instructions formerly contained in this manual have been transferred to the depot maintenance category, which is covered in DMWR 11-5820-771.

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 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 prescribed in AR 55-38/NAVSUPINST 4610-33B/AFR 75-18/MCO P4610.19C and DLAR 4500.15.

1-3. Destruction of Army Materiel

Demolition and destruction of electronic equipment will be under the direction of the commander and in accordance with TM 750-244-2.

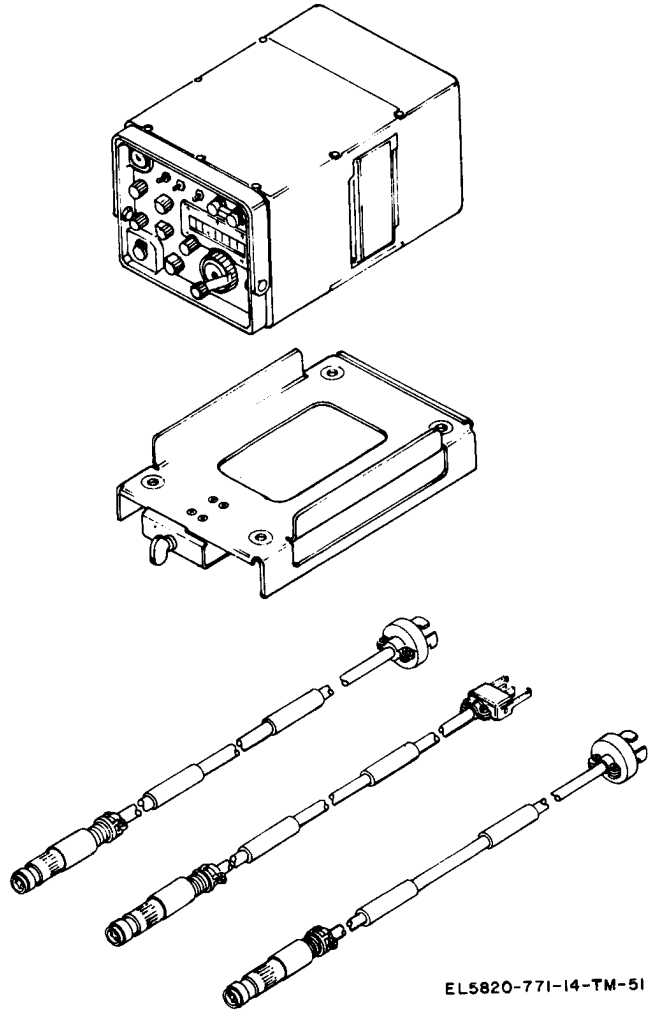

Figure 1-1. Receiving Set, Radio AN/URR-69.

1-4. Administrative Storage

For procedures, forms and records, and inspection required during administrative storage of this equipment, refer to TM 740-90-1.

1-5. Reporting of Errors

Reporting of errors, omissions, and recommendations for improving this publication by the individ-

ual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forwarded direct to Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703.

1-5.1. Reporting Equipment Improvement Recommendations (EIR)

EIR's will be prepared using Standard Form 368, Quality Deficiency Report. Instructions for preparing EIR's are provided in TM 38-750, the Army Maintenance Management System. EIR's should be mailed direct to Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, New Jersey 07703. A reply will be furnished direct to you.

Section II. DESCRIPTION AND DATA

1-6. Purpose and Use

Receiving Set, Radio AN/URR-69 is a solid-state hf receiving set. The receivers frequency range is in the 0.5-to 30. 0-MHz band from fixed sites, vehicular installations, or as a manpack radio. Operating modes include cw, fsk, lsb, usb, am, and fm. This radio set may be powered by 230-vac, 115-vac, or 24-vdc external power or from internal batteries.

1-7. Description

a. Receiving Set, Radio AN/URR-69. Receiving Set, Radio AN/URR-69 (fig. 1-1) consists of Receiver R-1444/UR and Accessory Kit Part No. 0154-1-2002. These items are described in the following subparagraphs.

b. Receiver R-1444/UR. Receiver R-1444/UR is housed in a rectangular metal case. Operating controls, indicators, and connectors are installed on both the tint and rear panels of the unit. The top and bottom covers are removable for internal maintenance and a rear cover may be removed for battery installation.

c. Accessory Kit 0154-1-2002. Accessory Kit 0154-1-2002 consists of Mounting Base MT-4542/URR-69 and Cable Assemblies 0154-1-4026, 0154-1-4027, and 0154-1-4028. The mounting base is made up of a metal plate and a clamp assembly. A thumbscrew is tightened to secure the receiver in the mounting base. All of the cable assemblies are similar in appearance. The receiver connectors on all cables are identical but the connectors on the opposite ends are different. Internally, the cables are wired in such a way that the receiver cannot be connected to the improper voltage.

d. Tabulated Data. Table 1-1 lists the items comprising Receiving Set, Radio AN/URR-69. Physical characteristics and the common name are also listed for each item. These equipment common names will be used throughout this manual. The technical characteristics of the various items are listed in Table 1-2.

1-8. Deleted

1-9. Items Comprising an Operable Equipment

The components comprising an operable equipment are listed in table 1-1. For operation, an antenna and headset will be required, but are not furnished with the equipment.

1-10. Common Names

A list of nomenclature and common numerical assignments for the major components of Radio Receiver R-1444 are given in table 1-3.

Table 1-1. Items Comprising an Operable Equipment

Item	*Common name*	*Qty*	*Length (in.)*	*Width (in.)*	*Height (In.)*	*Weight (lb.)*
Receiving Set Radio AN/URR-69	Radio Set	1				
Receiver *R-1444/UR*	Receiver	1	10 5/8	7 1/8	*5*	*17* max (batteries installed)
Mounting Base MT-4542/URR-69	Vehicle mount	1	11	7 1/4	2 3/4	
Cable Assembly 0154-1-4026	24-vdc power cable	1	100	—	—	
Cable Assembly 0154-1-4027	115-vac power cable	1	100	—	—	
Cable Assembly 0154-1-4028	230-vac power cable	1	100	—	—	