

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT

AND GENERAL SUPPORT MAINTENANCE MANUAL

RADIO SET AN/FRC-154(V)

MODEL 1 THROUGH 28

This copy is a reprint which includes current pages from Changes 1 and 2.

DEPARTMENTS OF THE ARMY, AND THE AIR FORCE

JUNE 1975

TECHNICAL MANUAL
No. 11-5820-792-14
TECHNICAL ORDER
TO 31R5-4-50-71



***TM 11-5820-792-14
TO 31R5-4-50-71**

DEPARTMENTS OF THE ARMY
AND THE AIR FORCE

WASHINGTON, DC, 30 June 1975

**Operator's, Organizational, Direct Support, and General
Support Maintenance Manual**

RADIO SET AN/FRC-154(V)1 (NSN 5820-00-461-0733)
RADIO SET AN/FRC-154(V)2 (NSN 5820-00-461-0736)
RADIO SET AN/FRC-154(V)3 (NSN 5820-00-461-0738)
RADIO SET AN/FRC-154(V)4 (NSN 5820-00-461-0739)
RADIO SET AN/FRC-154(V)5 (NSN 5820-00-461-0740)
RADIO SET AN/FRC-154(V)6 (NSN 5820-00-461-0741)
RADIO SET AN/FRC-154(V)7 (NSN 5820-00-461-0742)
RADIO SET AN/FRC-154(V)8 (NSN 5820-00-461-0751)
RADIO SET AN/FRC-154(V)9 (NSN 5820-00-461-0752)
RADIO SET AN/FRC-154(V)10 (NSN 5820-00-461-0765)
RADIO SET AN/FRC-154(V)11 (NSN 5820-00-461-0821)
RADIO SET AN/FRC-154(V)12 (NSN 5820-00-461-0842)
RADIO SET AN/FRC-154(V)13 (NSN 5820-00-461-0844)
RADIO SET AN/FRC-154(V)14 (NSN 5820-00-461-0856)
RADIO SET AN/FRC-154(V)15 (NSN 5820-00-461-0857)
RADIO SET AN/FRC-154(V)16 (NSN 5820-00-461-0858)
RADIO SET AN/FRC-154(V)17 (NSN 5820-00-461-0859)
RADIO SET AN/FRC-154(V)18 (NSN 5820-00-461-0860)
RADIO SET AN/FRC-154(V)19 (NSN 5820-00-461-0861)
RADIO SET AN/FRC-154(V)20 (NSN 5820-00-461-0862)
RADIO SET AN/FRC-154(V)21 (NSN 5820-00-813-6560)
RADIO SET AN/FRC-154(V)22 (NSN 5820-00-461-0864)
RADIO SET AN/FRC-154(V)23 (NSN 5820-00-222-4637)
RADIO SET AN/FRC-154(V)24 (NSN 5820-00-472-4003)
RADIO SET AN/FRC-154(V)25 (NSN 5820-00-461-0865)
RADIO SET AN/FRC-154(V)26 (NSN 5820-00-461-0866)
RADIO SET AN/FRC-154(V)27 (NSN 5820-00-461-0867)
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* This manual supersedes TM 11-5820-792-14/TO 31R5-4-50-71, 6 October 1972, including all changes.

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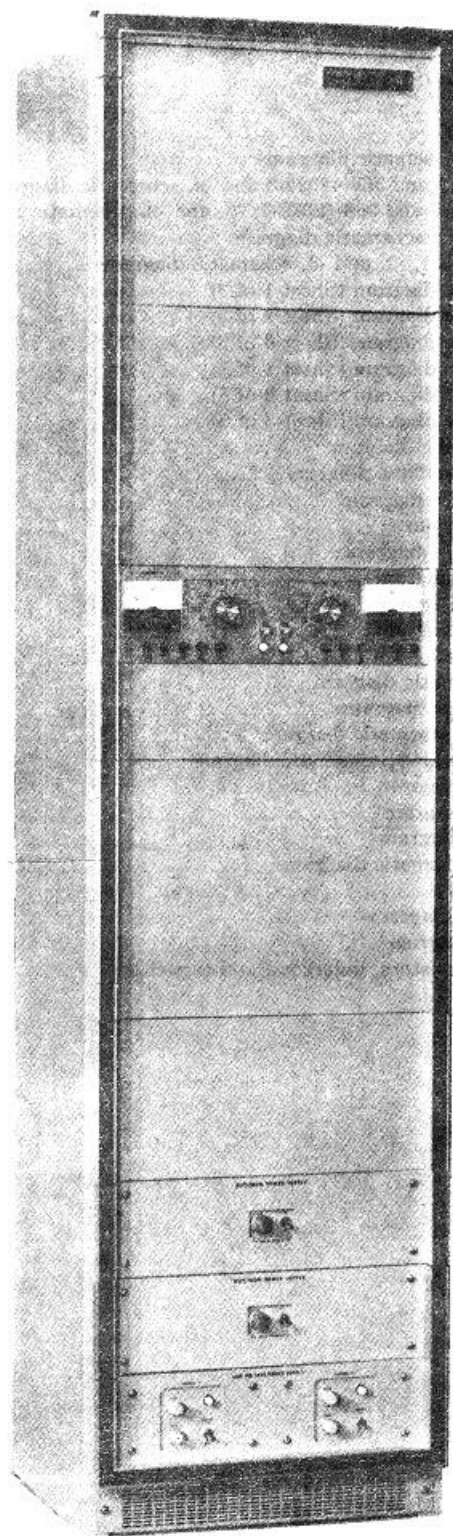
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Figure 1-1. Radio Set AN/FRC-154(V), models 1 through 28.

CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope

a. This manual describes Radio Set AN/FRC-154(V) (Models 1 through 28) (fig. 1-1), hereafter, referred to as the radio set. The manual includes information on description and data, installation, operation, functioning of equipment, maintenance, shipment and limited storage, demolition to prevent enemy use, and appendixes.

b. Throughout this manual, where appropriate, references are made to other publications which contain information applicable to the operation and maintenance of the radio set. A complete listing of applicable reference publications is provided in appendix A.

c. The maintenance allocation chart (MAC) appears in appendix C. The BIIL is not applicable to this equipment.

d. Items comprising an operable equipment are listed in paragraph 1-9.

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 the latest issue of DA Pam 310-7 to determine whether there are modification work orders (MWO's) pertaining to the equipment.

1-3. 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 (Army). Air Force personnel will use AFM 66-1 for maintenance reporting and TO-00-35D54 for unsatisfactory equipment reporting.

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 DLAR 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.

1-4. Reporting Errors and Recommending Improvements

a. 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 and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703.

b. For Air Force, submit AFTO Form 22 (Technical Order System Publication Improvement Report and Reply) in accordance with paragraph 6-5, Section VI, TO 00-5-1. Forward direct to prime ALC/MST.

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

1-4.1. Reporting Equipment Improvement Recommendations (EIR)

a. *Army.* If your AN/FRC-154(V) 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 and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. We'll send you a reply.

b. *Air Force.* Air Force personnel are encouraged to submit EIR's in accordance with AFM 900-4.

1-5. Administrative Storage

Before and after administrative storage (1 to 45 days), perform the procedures in paragraphs 2-3 and 5-7. Administrative storage of equipment issued to and used by Army activities shall be in accordance with paragraphs 2-3 and 5-7 and local standard operating procedures (SOP).

1-6. Destruction of Army Materiel

Destruction of Army materiel to prevent enemy use shall be as prescribed in TM 750-244-2.

Section II. DESCRIPTION AND DATA

1-7. Purpose and Use

a. *Purpose.* Radio Set AN/FRC-154(V), models 1 through 28, provides standard line-of-sight (LOS)

microwave fixed radio communications between various sites of a communication system.