TECHNICAL MANUAL

OPERATOR'S AND ORGANIZATIONAL

MAINTENANCE MANUAL

RADIO SET AN/FRC-93(V)1 (NSN 5820-01-054-9106)
RADIO SET AN/FRC-93(V)2 (NSN 5820-01-052-1438)
RADIO SET AN/FRC-93(V)3 (NSN 5820-01-052-1439)
RADIO SET AN/FRC-93(V)4 (NSN 5820-01-053-5535)
RADIO SET AN/FRC-93(V)5 (NSN 5820-01-052-1440)
RADIO SET AN/FRC-93(V)6 (NSN 5820-01-052-1441)
RADIO SET AN/FRC-93(V)7 (NSN 5820-01-052-1442)

This copy is a reprint which includes current pages from Changes 1 through 6. The title was changed by Change 3.

H E A D Q U A R T E R S , D E P A R T M E N T O F T H E A R M Y

JUNE 1976

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, *18 June 1976*

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This technical manual is an authentication of the manufacturer's commercial literature and does not conform with the format and content specified in AR 310-3. This technical manual does, however, contain available information that is essential to the operation and maintenance of the equipment.

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: DRSEL-ME-MP, Fort Monmouth, NJ 07703. In either case, a reply will be furnished direct to you.

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This manual supersedes TM 11-5820-554-15, 15 July 1965, and so much of TM 11-5820-529-14, 21 March 1975; TM 11-5820532-15, 28 January 1965; TM 11-5820-530-15, 25 June 1964; and TM 11-6110-242-15, 26 June 1967, as pertains to operator and organizational maintenance.

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CHAPTER 1
INTRODUCTION

1-1. Scope

This manual describes Radio Set AN/FRC-93 and covers its operational and organizational maintenance. Radio Set AN/FRC-93 is a variable configuration comprised of components selected for a particular military situation. This selection is based on available primary input power (either 14 or 28 volts d.c. or 115 or 230 volts a.c.), voltage regulation if an a.c. source is used, power output required, and whether the installation is mobile or fixed. Paragraph 1-7 through 1-13 lists the components which may be selected. Chapter 2 lists the various equipment configurations. Appendix A contains a list of applicable references and appendix C contains the maintenance allocation charts.

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. 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 (TAMMS).

b. Report of Packaging and Handling Deficiencies. Fill out and forward SF 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-11-2/DLAR4140.55/NAVMATINST 4355.73/AFR 400-54/MCO4430.3E.

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/DLAR 4500.15.

1-3.1 Reporting Equipment Improvement Recommendations (EIR)

If your AN/FRC-93(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. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at Commander, US Army Communications Electronics Command and Fort Monmouth, ATTN DRSE L-ME-MP, Fort Monmouth, NJ 07703. A reply will be furnished to you.

1-4. Administrative Storage

Administrative storage of electronic equipment is in accordance with paragraph 3-30.

1-5. Destruction of Army Electronics Materiel

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

1-6. Description

Radio Set AN/FRC-93 is a versatile communication set. It transmits and receives continuous wave (cw) or single sideband (ssb), and will transmit with a power output of either 100 watts peak envelop power (pep) or 1,000 watts (pep) in the frequency range of 3.4 to 5.0 and 6.5 to 30 MHz. By selection of applicable components, it can operate as a portable station, a fixed station, or a mobile station and can be installed in automobiles, Army vehicles, boats, and airplanes.