TM 11-5820-461-12

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR'S AND ORGANIZATIONAL

MAINTENANCE MANUAL

RADIO SETS

AN/GRC-50(V)1 (NSN 5820-00-892-3851)
AN/GRC-50(V)2 (NSN 5820-00-892-3852)
AN/GRC-50(V)3 (NSN 5820-00-892-3853)
AN/GRC-50(V)4 (NSN 5820-00-892-3854)
AN/GRC-50(V)5 (NSN 5820-00-892-3855)

AN/GRC-50A(V)1 NSN 5820-00-933-6193)	**AN/GRC-50A(V)6 (NSN 5820-00-936-5480)**
AN/GRC-50A(V)2 (NSN 5820-00-933-6192)	**AN/GRC-50A(V)7 (NSN 5820-00-936-5481)**
AN/GRC-50A(V)3 (NSN5820-00-933-6191)	**AN/GRC-50A(V)8 (NSN 5820-00-935-0089)**
AN/GRC-50A(V)4 (NSN 5820-00-933-6190)	**AN/GRG50A(V)9 (NSN 5820-00-878-8635)**
AN/GRC-50A(V)5 (NSN 5820-00-933-6189)	**AN/GRC-50A(V)10 (NSN 5820-00-878-8634)**

AN/GRC-50A(V)11 (NSN 5820-00-136-4966)

This copy is a reprint which includes current pages from Changes 1 through 7.

HEADQUARTERS, DEPARTMENT OF THE ARMY
OCTOBER 1966

***TM 11-5820-461-12**

TECHNICAL MANUAL
NO. 11-5820-461-12 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., *26 October 1966*

Operator's and
Organizational Maintenance Manual

RADIO SETS AN/GRC-50(V) 1, 2, 3, 4, AND AND

RADIO SETS AN/GRC-50A(V)1, 2, 3, 4, 5, 6, 7, 8, 9, 10, AND 11

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This manual supersedes so much of TM 11-5820 461-10, 22 Juno 1962, including C 2, 2 December 1463, C 3, 2 July 1964, and C 4, 14 December 1964; and TM 11-5820-461-20, 22 June. 1962, Including C 1, 28 March 1963, as pertains to AN/GRC-50(V)1, 2, 3, 4, and 5, except Mast AB-577/GRC.

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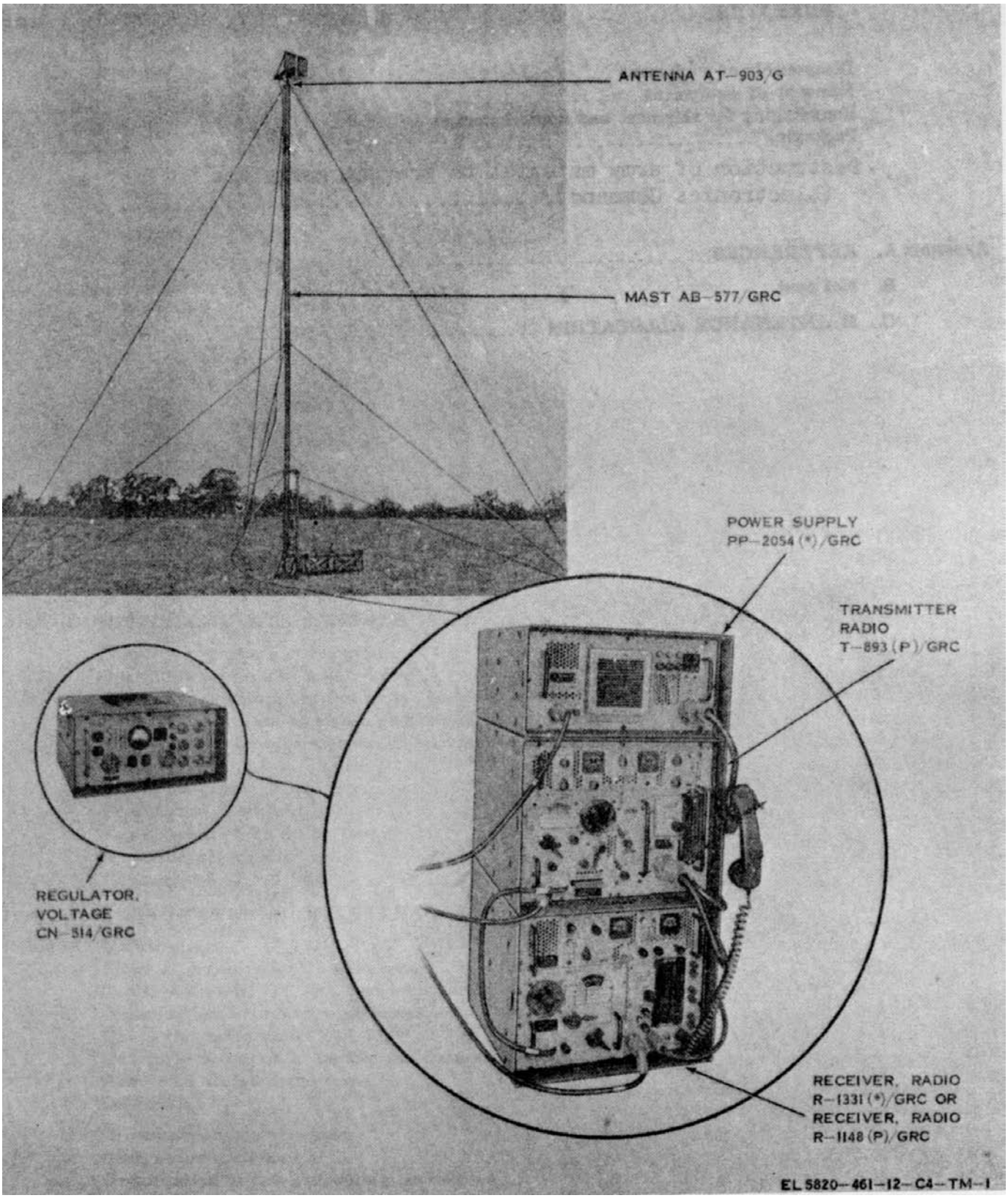

Figure 1-1. Radio Set AN/GRC-50(*)(v) IN operation.

CHAPTER 1
INTRODUCTION

Section I. GENERAL

1-1. Scope

a. This manual describes Radio Sets AN/GRC-50(V) 1, 2, 3, 4, and 5 and AN/GRC-50A(V) 1, 2,3,4, 5, 6, 7, 8, 9, 10, and 11. It covers their installation, operation, and operator's and organizational maintenance. The components of the radio sets are listed in paragraph 1-6.

b. and maintenance of Mast AB-577/GRC (figs. 1-1 and 1-8) are provided in TM 11-5820-538-12 which also includes information on the use of Extension Kit MK-806/GRC which is used to extend the height of the antenna to another 25 feet above the 50-foot height of the AB-577/GRC.

c. Organizational maintenance of Voltage Regulator CN-514/GRC is provided in TM 11-6110-245-15.

d Official nomenclature followed by (*) is used to indicate all models of the equipment item. Thus-

(1) Radio Set AN/GRC-50( )(V) applies to all configurations of the radio set: AN/GRC-50(V) 1, 2, 3, 4, and 5 and AN/GRC-50A(V)1, 2, 3, 4, 5, 6, 7, 8,9, 10, and 11.

(2) Amplifier-Converter AM-1955( )/GRC applies to Amplifier-Converters AM-1955/GRC, AM-1955A/GRC, and AM-1955B/GRC (pare 1-14d).

(3) Amplifier-Converter AM-1956( )/GRC applies to Amplifier-Converters AM-1956/GRC, AM-1956A/GRC, and AM-1956B/GRC (pare 1-14d).

(4) Amplifier-Oscillator AM-1958( )/GRC applies to Amplifier-Oscillators AM-1958/GRC and AM-1958A/GRC (para 1-14e).

e. Throughout this manual, the term radio set applies to all configurations of the AN/GRC-50(~)(V), unless otherwise specified.

f. All references in this manual to Receiver, Radio R-1331 (*)/GRC also apply to Receiver, Radio R-1331 (P)/GRC, Receivers, Radio R-1331A(P)/GRC, and R-1331B(P)/GRC unless otherwise specified (pare 1-14*b* and *c*).

g. All references in this manual to Power Supply PP-2054(*)/GRC also apply to Power Supply PP-2054/GRC and to Power Supply PP-2054A/GRC (pare 1-14*g*).

1-2. Indexes of Equipment 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 described by TM 38-750, The Army Maintenance Management System.

b. Report of Packaging and Handling Deficiencies. Fill out and forward DO 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.

1-3.1. Reporting of Errors

Report of errors, omissions, and recommendations for improving this equipment manual by the individual 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-MEMQ, Fort Monmouth, NJ 07703.