

TM 11-5820-765-12

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL

POWER SUPPLIES PP-4763/GRC AND PP-4763A/GRC

This copy is a reprint which includes current
pages from Changes 3 and 4.

HEADQUARTERS, DEPARTMENT OF THE ARMY
28 OCTOBER 1968

TECHNICAL MANUAL }
NO. 11-5820-765-12 }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 28 October 1968

Operator and Organizational Maintenance Manual
POWER SUPPLIES PP-4763/GRC AND PP-4763/GRC

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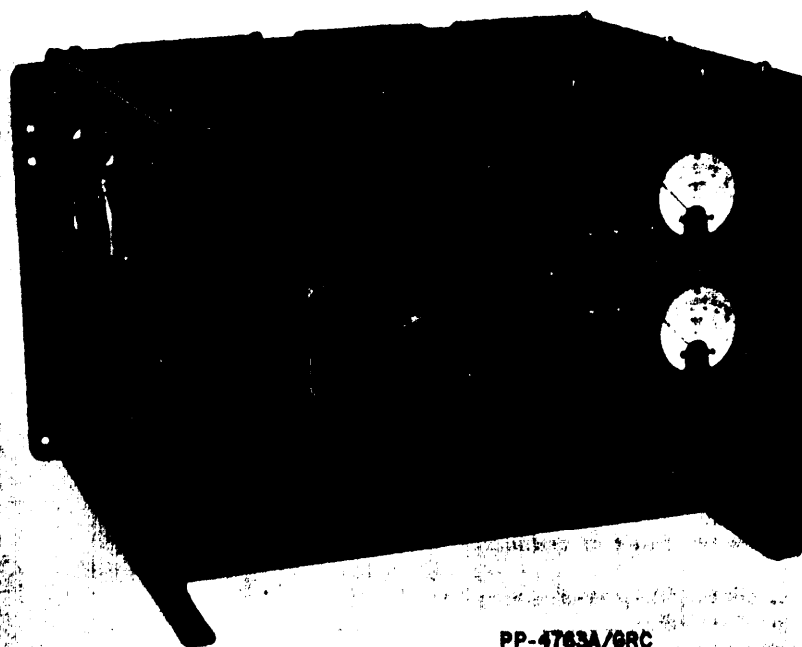
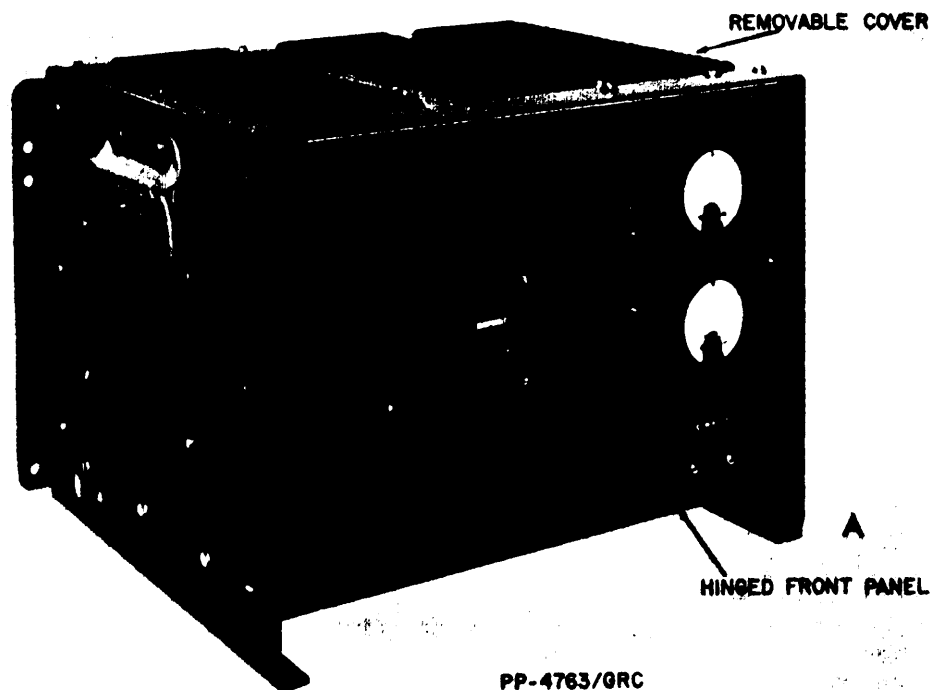


Figure 1-1. Power Supplies PP-4763/GRC and PP-4763A/GRC.

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

a. This manual describes Power Supplies PP-4763/GRC and PP-4763A/GRC (fig. 1-1) and provides instructions for their installation, operation, and maintenance. It includes instructions for cleaning and inspection of the equipment, and touchup painting instructions.

b. The basic items issue list (BIIL) appears in appendix B.

c. The maintenance allocation chart (MAC) appears in appendix C.

d. Appendixes B and C are current as of 15 October 1968.

e. Throughout this manual, Power Supplies PP-4763/GRC and PP-4763A/GRC are referred to as *power supply*, except when a specific model is cited.

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. Forms and Records

a. *Reports of Maintenance and Unsatisfactory Equipment*. Use equipment forms and records in accordance with instructions given in TM 38-750.

b. *Report of Packing and Handling Deficiencies*. Fill out and forward DD Form 6 (Report of Packaging and Handling Deficiencies) as prescribed in AR 700-58 (Army), NAVSUP Pub 378 (Navy), AFR 71-4 (Air Force), and MCO 4030.29 (Marine Corps).

c. *Discrepancy in Shipment Report (DISREP)* (SF 861). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38 (Army), NAVSUP Pub 459 (Navy), AFM 75-34 (Air Force), and MCO P4610.19 (Marine Corps).

d. *Report of Equipment Manual Improvements*. Report of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to DA Publications) and forwarded direct to Commanding General, U.S. Army Electronics Command, ATTN: AMSEL-ME-NMP-AD, Fort Monmouth, N.J. 07703.

Section II. DESCRIPTION AND DATA

1-4. Purpose and Use

Power Supply PP-4763/GRC converts 115 volts alternating current (ac) to direct current (dc) at a selected regulated voltage. Power Supply PP-4763A/GRC converts either 115 or 230 volts ac to direct current at a selected regulated voltage. The power supplies function in a similar way; both provide a dc power

source for communication equipment or any type of load with requirements within their voltage and current ratings.

1-5. Technical Characteristics

Power input:

Voltage ----- 115 volts $\pm 10\%$ at 47 to
63 cps.(PP-476S/GRC).
115 volts $\pm 10\%$ at 47 to