
TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT, GENERAL SUPPORT,
AND DEPOT MAINTENANCE MANUAL

INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS

MAINTENANCE KIT,
ELECTRONIC EQUIPMENT

MK-673/MPQ-4A [FSN 6625-064-6013]

HEADQUARTERS, DEPARTMENT OF THE ARMY

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HEADQUARTERS
 DEPARTMENT OF THE ARMY
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Current as of 20 November 1972

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☆ This manual supersedes TM 11-6625-520-12P, 17 June 1963; TM 11-6625-520-45P, 18 June 1963; TM 11-6625-361-12P, 5 December 1960; and TM 11-6625-361-35P, 5 December 1960, including all changes; and so much of TM 11-5840-208-30, 2 October 1969, as pertains to direct support maintenance on Radar Set AN/MPQ-4A and as pertains to theory, troubleshooting and repair of Test Facilities Kit MK-387/MPQ-4A.

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CHAPTER 1

INTRODUCTION AND DESCRIPTION

Section I. INTRODUCTION

1-1. Scope

a. This manual describes Maintenance Kit, Electronic Equipment MK-673/MPQ-4A (figs. 1-1 through 1-5) and provides operating and maintenance instructions for components that are not covered in other manuals. Detailed operating procedures for using the MK-673/MPQ-4A during maintenance and bench testing of Radar Set AN/MPQ/4A are given in TM 11-5840-208-30 and TM 11-5840-208-45. Also included are the repair parts and special tools lists.

b. The following components of the MK-673/MPQ-4A are covered in detail in this manual:

- (1) Attenuator, Variable CN/491/G.
- (2) Attenuator, Variable CN-492/G.
- (3) Coupler, Directional CU-673/U
- (4) Dummy Load, Electrical DA-205/MPQ-4A.
- (5) Dummy Load, Electrical DA-206/MPQ-4A.
- (6) Box, Interconnecting J-982/MPM-49.
- (7) Cabinet for Power Supply PP-1588/MPQ-4A.
- (8) Cabinet for Control — Power Supply C — 2014/MPQ-4A.
- (9) Cover, Power Supply CW-475/MPM-49.
- (10) Cover, Power Supply CW-476/MPM-49.
- (11) Maintenance Kit, Electronic Equipment MK-399/MPQ-4A.
- (12) Toolkit, Radar Repair TK-94/MPQ-4A.

c. A brief description of the following components is covered in this manual. For more detailed information refer to the following manuals:

(1) *Simulator, Antenna Position SM-154/MPQ-4A.*

TM 11-6625-541-12

TM 11-6625-541-20P

TM 11-6625-541-45

(2) *Motor Generator PU-20C/C.*

TM 11-6125-200-10

TM 11-6125-200-20

TM 11-6125-200-20P

TM 11-6125-200-35

TM 11-6125-200-35P

(3) *Motor Generator PU-335/MPM-25.*

TM 11-5840-208-45

■ TM 11-6125-217-14P

(4) *Power Supply PP-1588/MPQ-4A, and Control Power Supply C-2014/MPQ-4A.*

TM 11-5840-208-10

TM 11-5840-208-20

TM 11-5840-208-20P

TM 11-5840-208-30

TM 11-5840-208-35P

TM 11-5840-208-45

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 additions, 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.

1-3. 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 in 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 4610.33A/AFR 75-18/MCO P4610.19B and DSAR 4500.15.

d. *Reporting of Errors.*

The reporting of errors, omissions, and recommendations for improving this 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 Electronics Command, ATTN; DRSEL-MA-Q Fort Monmouth, NJ. 07703.

e. *Reporting Equipment Improvement Recommendations (EIR).* EIR's will be prepared using DA Form 2407, Maintenance Request. 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 Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmouth, NJ 07703. A reply will be furnished direct to you.