

TECHNICAL MANUAL

**DIRECT SUPPORT, GENERAL SUPPORT AND
DEPOT MAINTENANCE MANUAL**

**INCLUDING REPAIR PARTS AND SPECIAL TOOL LISTS
RADAR SET AN/PPS-4A**

(NSN-5840-00-168-1566)

**This copy is a reprint which includes current
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CHAPTER 1

INTRODUCTION

1-1. Scope

a. This manual covers direct support, general support, and depot maintenance procedures for Radar Set AN/PPS-4A (including Radar Set AN-PPS-4 modified by MWO 11-5840-211-1). It includes functioning of the equipment, block diagram discussions, and system theory (chap 2); direct support troubleshooting, adjustment and alignment, repair, and removal and replacement (chap 3); direct support testing procedures (chap 4); general support troubleshooting, repair, removal and replacement, and disassembly and reassembly of tripod (chap. 5); depot maintenance (chap 6); and depot overhaul standards (chap 7).

b. Operating instructions and organizational maintenance procedures are contained in TM 115840-211-12.

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

1-2.1 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 DD Form 6 (Packaging Improvement Report) as prescribed in AR 70058/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. 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, DA Form 2028 (Recommended Changes to Publications and Blank Forms), direct to: Commander, US Army Communications and Electronics Materiel Command and Fort Monmouth, ATTN: DRSELME-MQ, Fort Monmouth, NJ 07703. A reply will be furnished direct to you.

1-4. Reporting Equipment Improvement Recommendations (EIR)

If your Radar Set AN/PPS-4A 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 and Fort Monmouth, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. A reply will be furnished direct to you.