TECHNICAL MANUAL

OPERATOR'S AND ORGANIZATIONAL

MAINTENANCE MANUAL

TEST SET GROUP, INDICATOR, RADAR

OQ-63A/APS-94D

(NSN 6625-01-058-7874)

This copy is reprint which includes current pages from Changes 1 and 2.

HEADQUARTERS, DEPARTMENT OF THE ARMY
JANUARY 1979

TECHNICAL MANUAL
No. 11-5895-967-12

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 30 January 1979

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TEST SET GROUP, INDICATOR, RADAR OQ-63A/APS-94D (NSN 6625-01-058-7874)

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 procedure, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. In either case, a reply will furnished direct to you.

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CHAPTER 1
INTRODUCTION

Section I. GENERAL

1-1. Scope

a. General. This manual describes Test Set Group, Indicator, Radar OQ-63A/APS-94D and provides instructions for installation, operation, operator's and organizational maintenance, and demolition. Also included are instructions for cleaning and inspection of the equipment and replacement of parts available to the operator and organizational technician.

b. Maintenance Allocation Chart. The maintenance allocation chart (MAC) appears in appendix D.

1-2. Index 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 pertions 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) for the equipment.

1-3. Forms and Records

a. Reports of Maintenance and Unsatisfactory Equipment. Use equipment maintenance forms and records in accordance with instructions in 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 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.

1-4. Reporting Equipment Improvement Recommendations (EIR)

If your Test Set Group, Indicator, Radar OQ-63A/APS-94D 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, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. We'll send you a reply.

1-5. Preparation for Storage or Shipment

The equipment shall meet the requirements of the operator's preventive maintenance checks and services (para 3-5) prior to storage. Refer to paragraphs 4-1 and 4-2 for packing and packaging the equipment for storage.

1-6. Destruction of Army Electronics Materiel

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

1-6.1. Hand Receipts

Use the hand receipts in TM 11-626-1833-12HR for property accountability of Test Set Group, Indicator, Radar OQ-63A/APS-94D.

Section II. DESCRIPTION AND DATA

1-7. Purpose and Use

a. Test Set Group, Indicator, Radar OQ63A/APS-94D is a portable test set that permits bench testing, aligning, calibrating, and troubleshooting of the units and plug-in modules of the radar cockpit complex of Radar Surveillance Set NA/APS-94E.

b. The OQ-63A/APS-94D consists of two major groups of components: Test Set Subassembly MX-8638A/APS-94D and Test Set Subassembly MX-8639A/APS-94D. The MX-8638A/APS-94D and MX-8639A/APS-94D function together as a single operating unit through interconnecting cables. The MX-8638A/APS-94D simulates the select signals, signal paths, and loads of Recorder-Processor-Viewer, Radar Mapping RO-496/U and Rack, Electrical Equipment MT40156/APS-94D. The MX-8639A/APS-94D simulates the select sig-