

TM 11-6625-924-14

TECHNICAL MANUAL

**OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT
AND GENERAL SUPPORT MAINTENANCE MANUAL
FOR**

**TEST PANEL FOR INDICATOR,
RADIO MAGNETIC COMPASS
ID-998/ASSN (ID-998/ASSN TEST PANEL)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

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**OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT
 MAINTENANCE MANUAL FOR
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REPORTING OF ERRORS

You can improve this manual by recommending improvements using DA Form 2028-2 located in the back of the manual. Simply tear out the self-addressed form, fill it out as shown on the sample, fold it where shown, and drop in the mail.

If there are no blank DA Form 2028-2 in the back of the manual, use the standard DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forward to Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN DRSEL-MA-Q, Fort Monmouth, NJ 07703.

In either case, a reply will be furnished direct to you.

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CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual describes the Test Panel for Indicator, Radio Magnetic Compass ID-998/ASN (test panel), and includes instructions for its operation and maintenance. For Maintenance of Electronic Control Amplifier AM-3209/ASN (a component of the test panel) refer to TM 11-6110-211-15.

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.

1-3. 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 Communications and Electronics Materiel Readiness Command, ATTN DRSEL-MA-Q, Fort Monmouth, NJ 07703. A reply will be furnished direct to you.

1-4. 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 4610.33V/AFR 75-18/MCO P4610.19C, and DLAR 4500.15.

1-5. Administrative Storage.

Administrative storage of Test Panel for Indicator, Radio Magnetic Compass ID-998/ASN is for periods of 1 to 45 days and maybe accomplished as follows:

a. Storage site. The equipment should be stored in an area specifically marked Administrative Storage. The area should be covered and protected from the elements.

b. Maintenance Services. Before storage, perform, the next scheduled major preventive maintenance service.

c. Inspection. Inspect the equipment for proper operation before storage. Do not store inoperable' equipment.

d. Protection. Protect the equipment by storing in barrier material (NSN 8135-00-0565) along with a' dessicant bag (NSN 6850-00-264-6572).

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.

Section II. DESCRIPTION AND DATA

1-7. Purpose and Use

a. Purpose. The test panel simulates the loads normally applied to Indicator, Radio Magnetic Compass ID-998/ASN (indicator) and provides facilities for testing circuits and components of the indicator.

b. Use. The test panel is used as a bench test set to perform high potential tests on the indicator and to check operation and calibration of components of the indicator.

1-8. Tabulated Data

Input voltage 115 VAC \pm 3,400 Hertz.

Synchro transmitter:

Type High precision torque transmitter, Bendix type AY201S-1-B.

Accuracy \pm 6 minutes.

Input voltage 26 VAC, 400 Hertz.

Synchro transmitter control dials:

Type Direct drive.

Range 360 degrees continuous.

Accuracy 0.25 degree.

Vernier ratio 10 to 1.

Meter

Type D. C. Microamp 50-0-50,

Triplett type 327-PL.

1-9. Components

The test panel consists of a cabinet, spare fuses and indicator lamps, and internally mounted Electronic Control Amplifier AM-3209/ASN (amplifier). Refer to the packing list provided with each equipment to determine the components *actually* provided with each equipment at the time of shipment.