

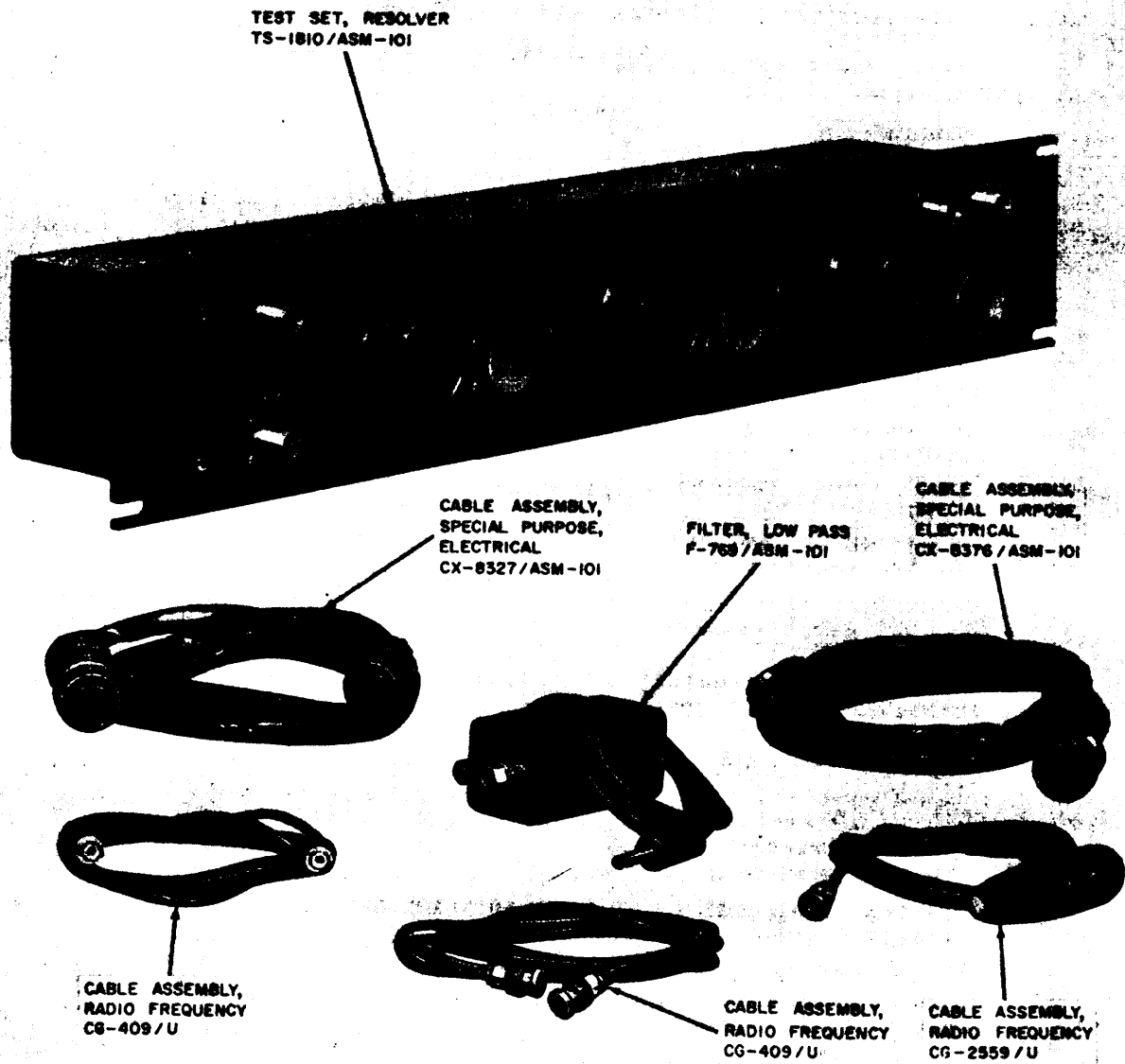
DEPARTMENT OF THE ARMY TECHNICAL MANUAL

**Operator and Organizational Maintenance Manual
TEST SET, RESOLVER AN/ASM-101**

Headquarters, Department of the Army, Washington 25, D.C.
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This copy is a reprint which includes current pages from Changes 1 through 3



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Figure 1. Test Set, Resolver AN/ASM-101.

CHAPTER 1

Section I. GENERAL

1. Scope

a. This manual describes Test Set, Resolver AN/ASM-101 (fig. 1) and covers its operation and first and second echelon maintenance.

b. The maintenance allocation chart (MAC) for Test Set, Resolver AN/ASM-101 appears in appendix II; the basic issue items list (BIIL) appears in appendix III.

Note. Refer to DA Pam 310-4 to determine what changes to or revisions of this publication are current.

2. Forms and Records

a. Reports of Unsatisfactory Equipment. Fill out DA Form 2407 (Maintenance Request) in accordance with instructions in TM 38-750 and forward it to: Commanding Officer, U.S. Army Electronics Materiel Support Agency, ATTN: SELMS-PIE, Fort Monmouth, N.J. The form should be filled out and forwarded to report :

- (1) Receipt of defective equipment (use DD Form 6 (b below) if defect is due to damaged or improper shipment).
- (2) Equipment deficiencies (deadlined equipments).
- (3) Equipment shortcomings (operable,

but at less than rated capability or efficiency).

- (4) Equipment improvement suggestions or recommendations.

b. Report of Damaged or Improper Shipment. Fill out and forward DD Form 6 (Report of Damaged or Improper Shipment), as prescribed in AR 700-58 (Army), NAV-SANDA Publications 378, and AFR 71-4 (Air Force).

c. Reports of Comments on Maintenance Allocation Chart (Appx II) and Basic Issue Items List (Appx III). Fill out and forward DA Form 2028 (Recommended Changes to DA Technical Manual Parts Lists or Supply Manuals 7, 8, or 9) direct to: Commanding Officer, U.S. Army Electronics Materiel Support Agency, ATTN: SELMS-ML, Fort Monmouth, N.J.

d. Comments on Manual. Forward all other comments on this publication direct to: Commanding Officer, U.S. Army Electronicx Materiel Support Agency, ATTN: SELMS-MPP-4, Fort Monmouth, N.J. (DA Form 1598. (Record of Comments on Publications), DA Form 2028, DD Form 96 (Disposition Form), or letter may be used.)

Section II. DESCRIPTION AND DATA

3. Purpose and Use

a. Purpose. Test Set, Resolver AN/ASM-101 provides a means of interconnecting test equipment and controlling the phase and amplitude of signals used in the alignment of resolvers in aircraft navigational systems.

b. Use. Test Set, Resolver AN/ASM-101 is used with the additional equipment required (par. 7) to test resolvers (such as used in Computer Set, Navigational AN/ASN-33) for alignment to the standard omnirange zeroing (ORZ) point, and align them to the ORZ point, when necessary.

4. Technical Characteristics

a. Test Set, Resolver TS-1810/ASM-101.

Input signal requirements:

For ORZ procedure Reference phase 30 cps
±1%, 4.5 to 8 volts.

For calibration:

Reference phase . . 30 cps ±1%, 3 to 7 volts
Variable phase . . .30 cps ±1%, 1.5 volts,
phase variable 0° to
180°.

Environmental operating limits:

Temperature -30° to 55° c. (-22° to
131° F.).

Relative humidity. . 0 to 95% at 32° C. (90°
F.).