

TM 11-6625-2709-12

TECHNICAL MANUAL

**OPERATOR'S AND ORGANIZATIONAL
MAINTENANCE MANUAL**

**RADIO TEST SET AN/ARM-92B
(NSN 6125-00-631-5501)**

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

HEADQUARTERS, DEPARTMENT OF THE ARMY
AUGUST 1976

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 DEPARTMENT OF THE ARMY
 WASHINGTON, DC, 31 August 1976

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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 Publication and Blank Forma), or DA Form 2028-2 located in back of this manual direct to Commander, US Army Communication and Electronics Materiel Readiness Command and Fort Monmouth, ATTN: DRSEL-ME-MQ, Fort Monmouth~ NJ 07703. In either case, a reply will be furnished direct to you.

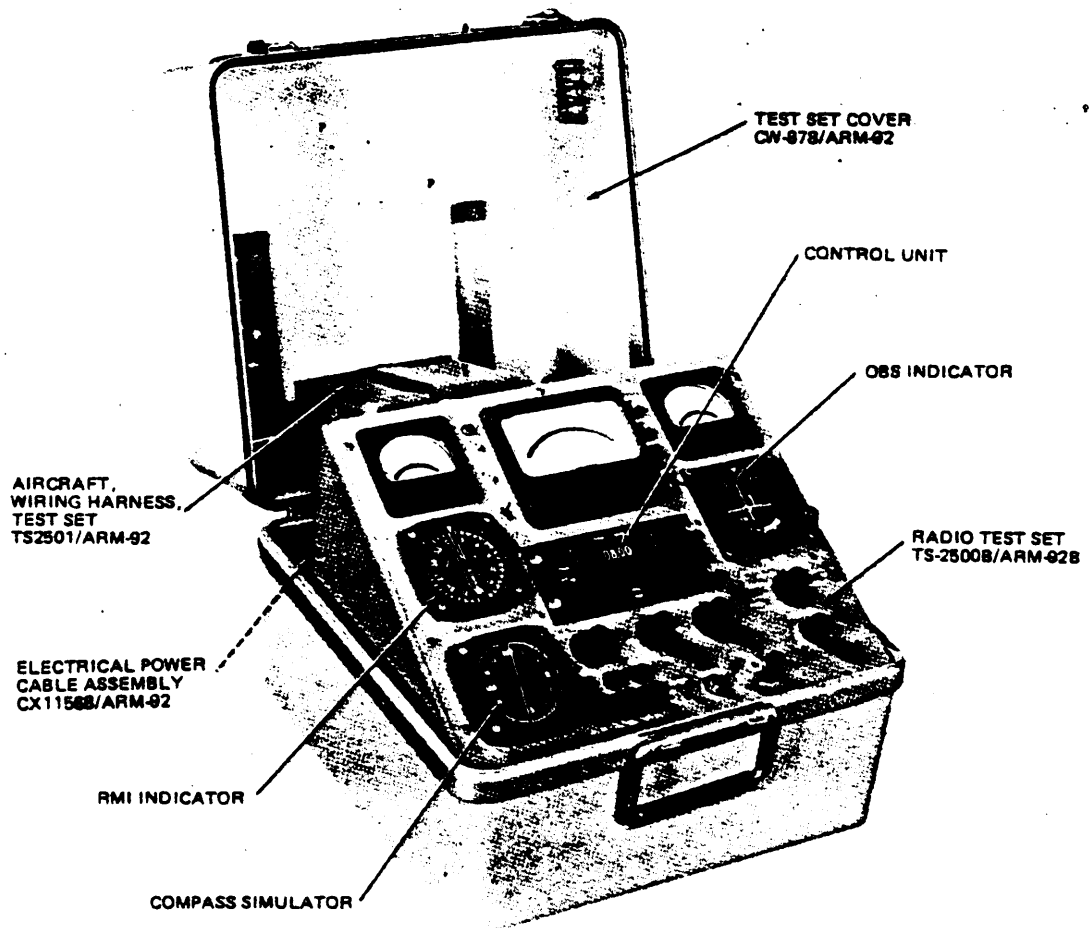
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ELJRR001

Figure 1-1 Radio Test Set AM/ARM-9B.

CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual describes Radio Test Set AN/ARM-92B (fig. 1-1). The manual includes operation, cleaning, and inspection of the equipment, and replacement of parts available to organizational level maintenance.

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 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. 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 prescribed 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 735-11 - 2/NAVSUPINST 4440.127E/AFR 400-54/MCO 4430.3E and DSAR 4140.55.

c. Discrepancy in Shipment Report (DISREP) (SF S61). 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. Destruction of Army Electronics Materiel

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

1-5. Administrative Storage

Administrative storage of equipment issued to and used by Army activities will have preventive maintenance performed in accordance with the PMCS charts before storing. When removing the equipment from administrative storage, the PMCS should be performed to assure operational readiness. Disassembly and repacking of equipment for shipment or limited storage shall be in accordance with TM 740-90-1.

Section II. DESCRIPTION AND DATA

1-6. Purpose and Use

a. Purpose. Radio Test Set AN/ARM-92B (fig. 1-1) is a bench test set and is comprised of two major units which are Radio Test Set TS-2500B/ARM-92 and Aircraft Test Set Wiring Harness TS-2501/ARM-92. The purpose and use are as follows.

(1) Radio Test Set TS-2500B/ARM-92, plus the components listed in paragraph 1-8, forms Radio Test Set AN/ARM-92B. The test set, together with adapter cables and appropriate external audio and hf signal generators, provides a means to test VOR/ILS, glideslope, and marker beacon receivers. Interconnections, frequency control, and simu-

lated resolver input signals required by Radio Receiving Set AN/ARN-82B are provided by Radio Test Set TS-2500B/ARM-92. Radio Test Set TS-2500B/ARM-92 also has the capability of testing a glideslope and marker beacon receiver.

(2) Aircraft Test Set Wiring Harness S-2501/ARM-92 distributes test signals to the meters and audio circuits in Radio Test Set TS-2500B/ARM-92. It also provides a quick test for Radio Set Control G6873B/ARN-82 installed in an aircraft or in Radio Test Set TS-2500B/ARM-92

b. Use. Radio Test Set TS-2500B/ARM-92 is used by the repairman to perform bench