

TECHNICAL MANUAL

**OPERATOR AND ORGANIZATIONAL
MAINTENANCE MANUAL INCLUDING
REPAIR PARTS AND SPECIAL
TOOL LISTS**

**TEST SET TERRAIN-CALIBRATION
INDICATOR AN/AAM-33**

**This copy is a reprint which includes
current pages from Changes 1 through 3.**

HEADQUARTERS, DEPARTMENT OF THE ARMY



**OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL INCLUDING REPAIR
PARTS AND SPECIAL TOOL LISTS
TEST SET, TERRAIN-CALIBRATION INDICATOR AN/AAM-33
(NSN 6625-00-403-1070)**

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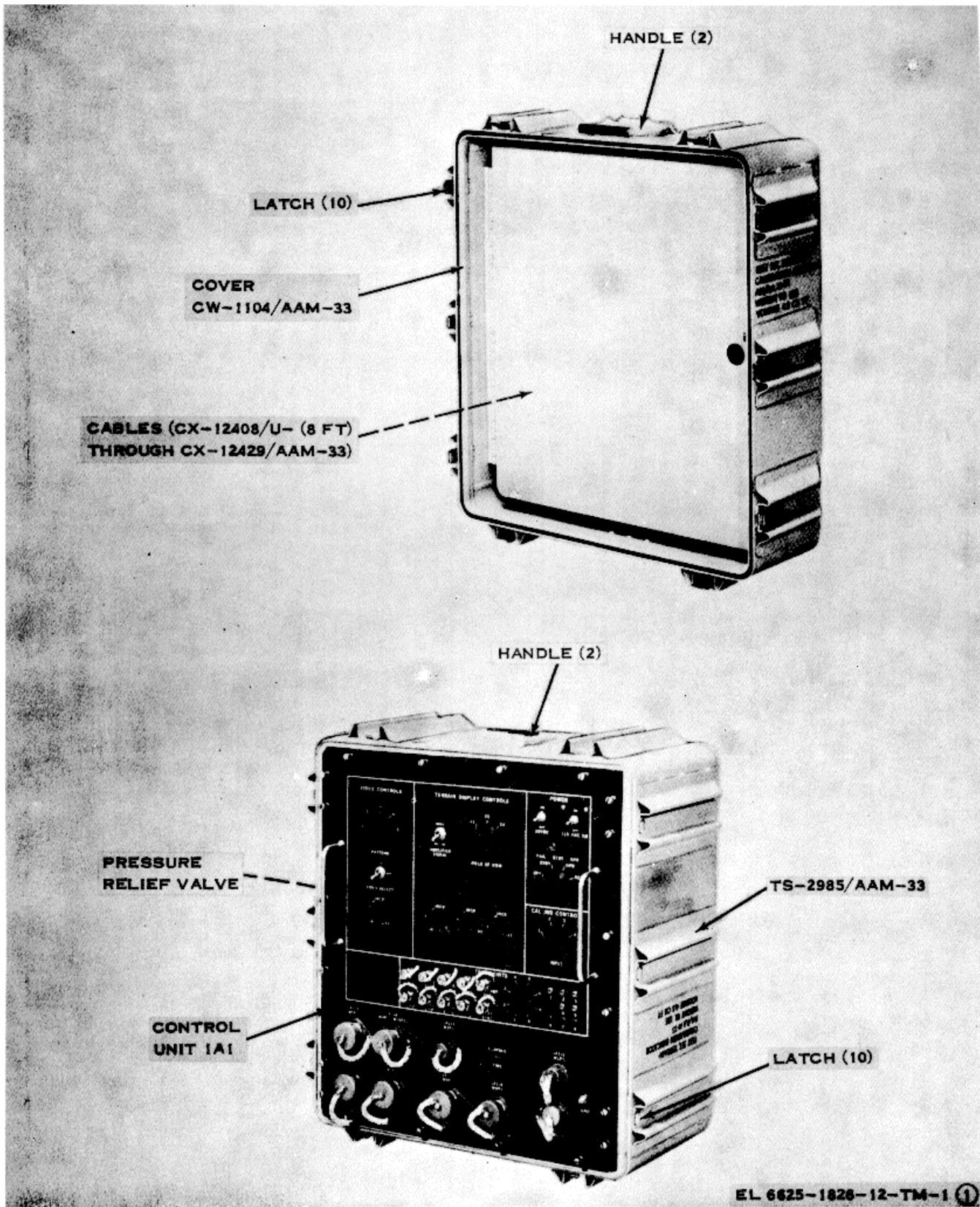


Figure 1-1(1). Test Set, Terrain-Calibration Indicator AN/AAM-33, components (part 1 of 2).

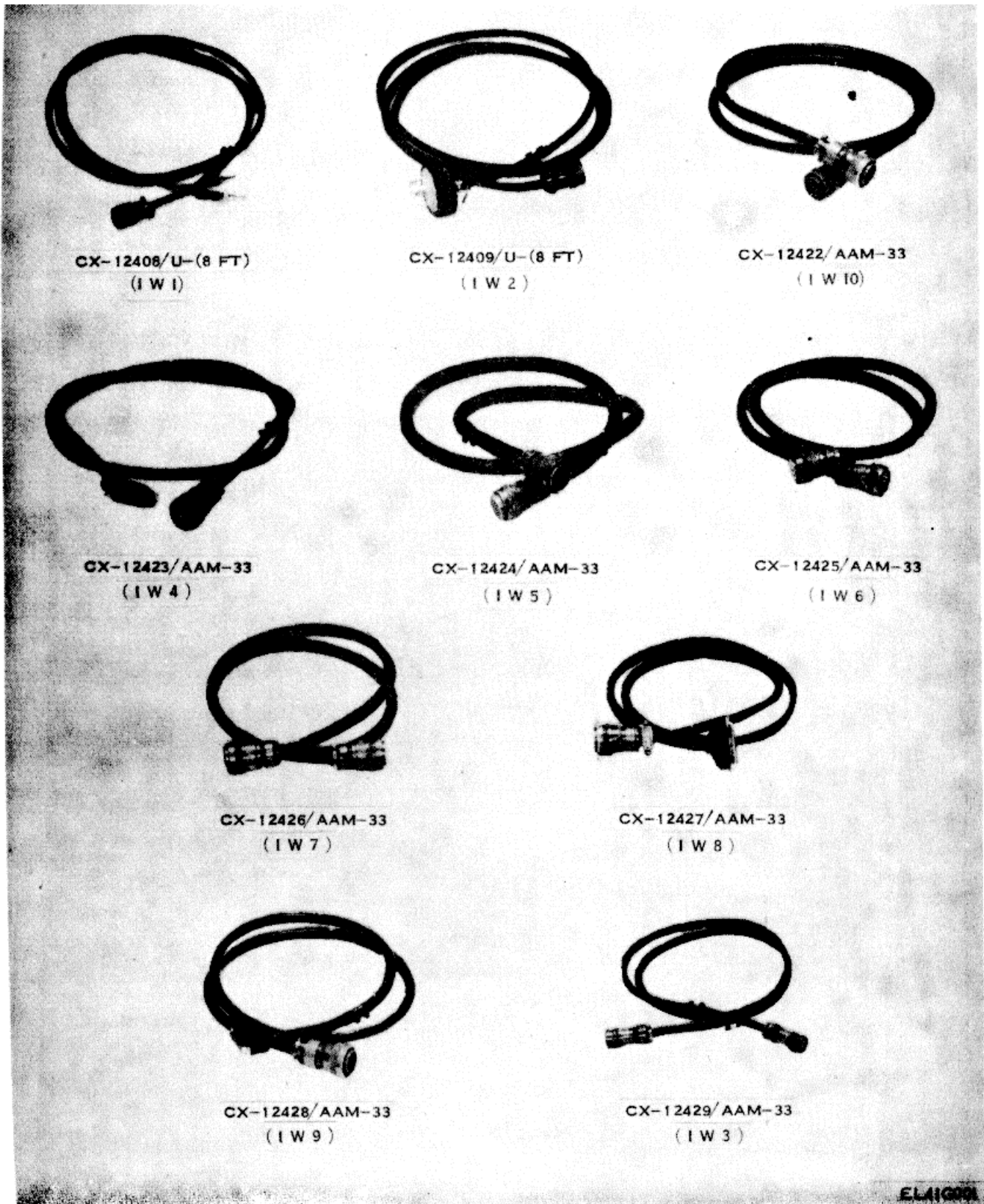


Figure 1-1(2). Test set, terrain-calibration indicator AN/AAM-33, components (part 2 of 2).

CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope of Manual

a. This manual describes Test Set, Terrain Calibration Indicator AN/AAM-33 (indicator test set) and covers its installation, operation, and operator and organizational maintenance. It includes instructions for operation under usual and unusual conditions, preventive and periodic maintenance services, and replacement of parts available to the organizational repairman.

b. Instructions for using Test Set, Terrain Calibration Indicator AN/AAM-33 to test the components of Detecting Set, Infrared AN/AAS-24 are contained in TM 11-5850-241-34/1.

c. Appendix A contains references; appendix B contains the basic issue items list and items troop installed or authorized list; appendix C contains the maintenance allocation chart, and appendix D contains the organizational repair parts and special tools list.

NOTE

The AN/AAM-33 is unit 1A1. All reference designations should be prefixed with 1A1 for completeness.

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. 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 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.

1-3.1. Reporting of Errors

The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forwarded direct to Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q Fort Monmouth, NJ 07703.

1-3.2. Reporting Equipment

Improvement Recommendations 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 Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmouth, NJ 07703. A reply will be furnished direct to you.

1-3.3. Administrative Storage

Administrative storage of equipment issued to and used by Army activities shall be in accordance with TM 740-90-1.

1-3.4. 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

1-4. Purpose and use

a. Test Set, Terrain-Calibration Indicator AN/AAM-33 provides facilities for bench testing Indicator, Terrain Display IP-970/AAS-24 and Indicator, Calibration Display IP-969/AAS-24, components of Detecting Set, Infrared AN/AAS-24. When

used with additional equipment (para 1-10), the indicator test set facilitates the following tests:

- (1) *Indicator, Terrain Display IP-970/AAS-24*.
 - (a) Centering test.
 - (b) Brightness test.
 - (c) Contrast test.
 - (d) Resolution test.