

**TECHNICAL MANUAL**

**OPERATOR'S AND ORGANIZATIONAL MAINTENANCE MANUAL  
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS**

**TEST SET, CONVERTER  
SUBASSEMBLY-VIDEO CONVERTER  
AN/AAM-35**

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

**Operator's and Organizational Maintenance Manual  
Including Repair Parts and Special Tools Lists  
TEST SET, CONVERTER SUBASSEMBLY-VIDEO CONVERTER  
AN/AAM-35  
(NSN 6625-00-403-1064)**

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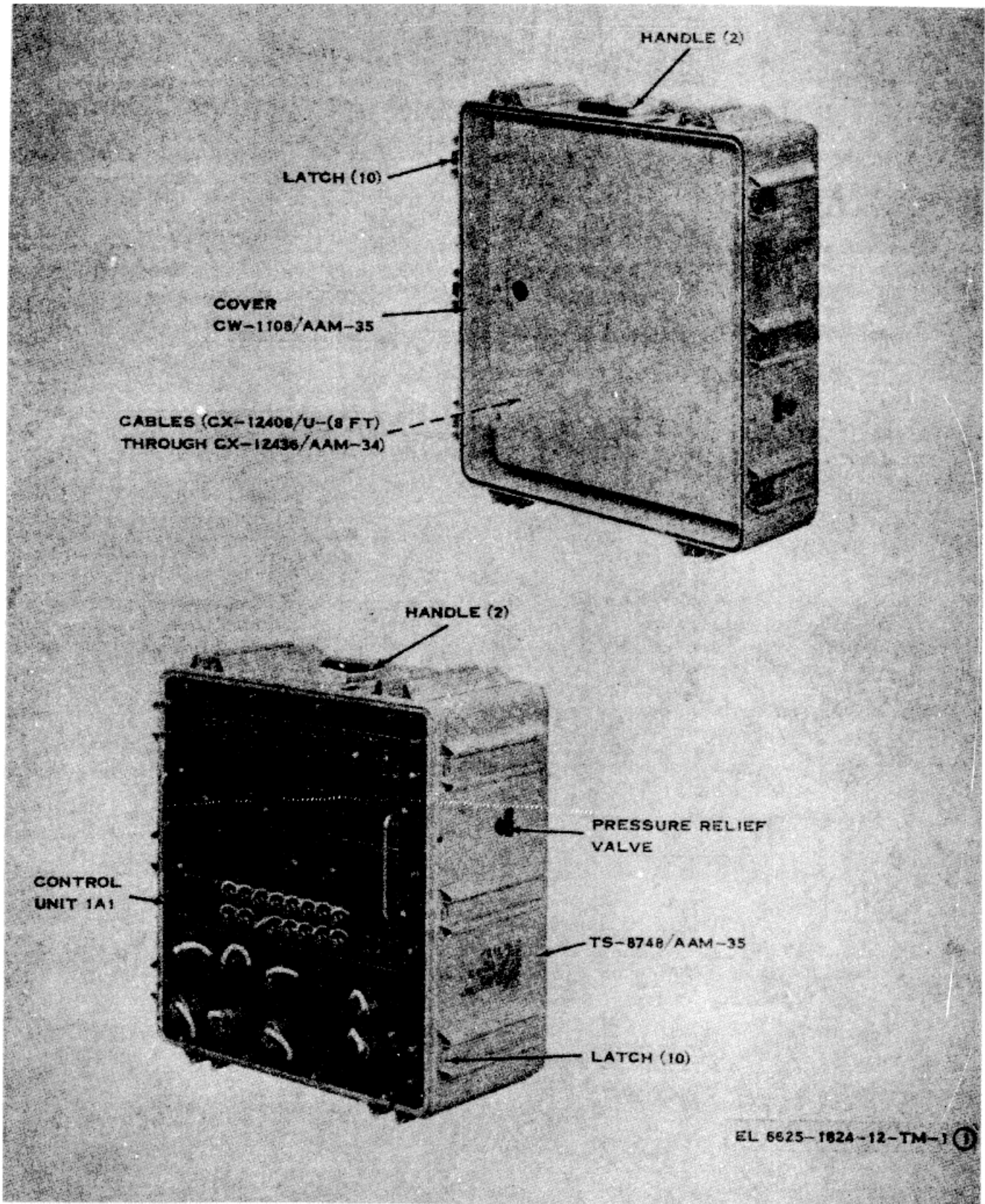


Figure 1-1 Test Set, Converter Subassembly-  
Video Converter AN/AAM-35  
(part 1 of 3)  
Change 2 iv

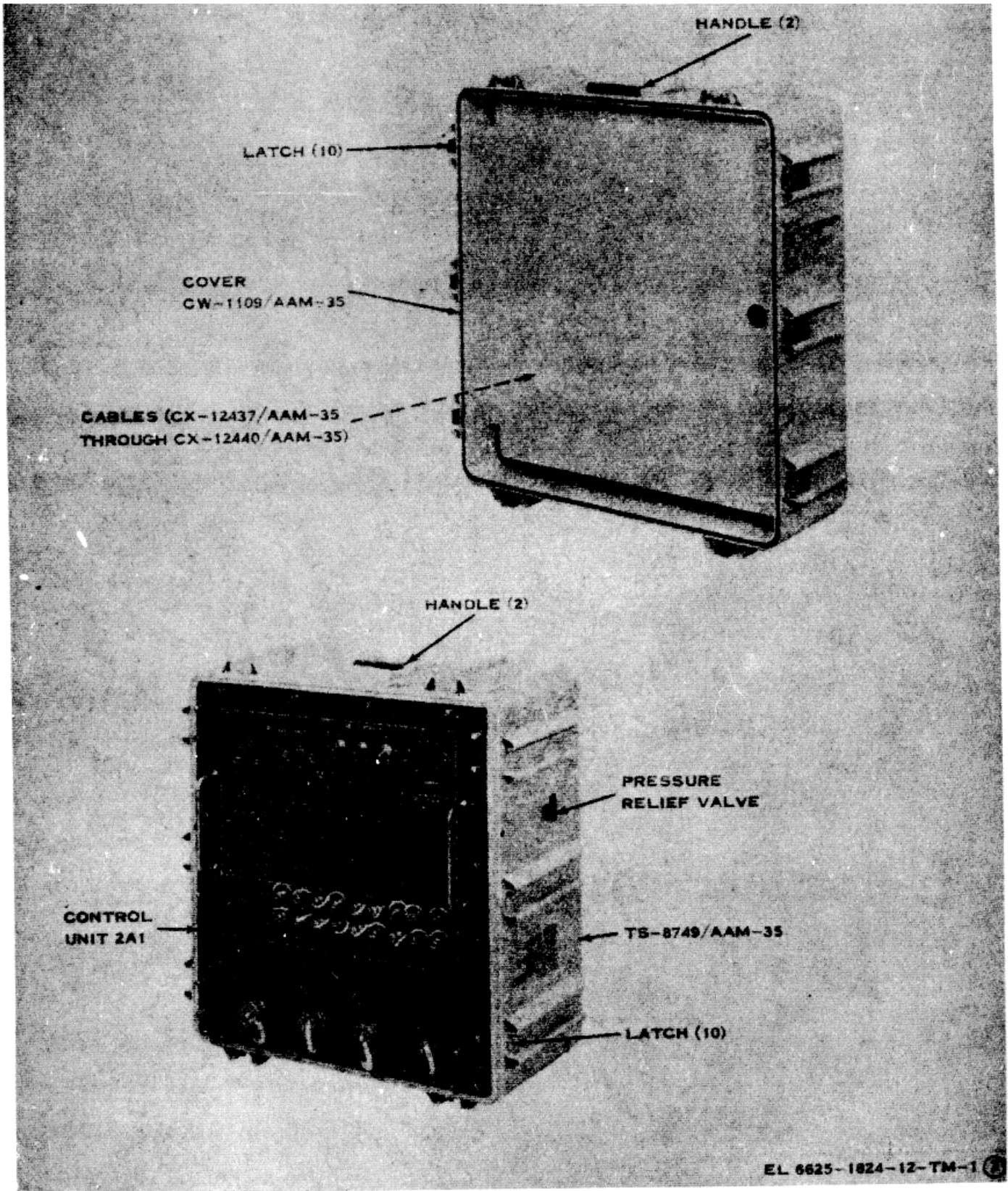


Figure 1-1. Test Set, Converter Subassembly-Video Converter AN/AAM-35, components (part 2 of 3)



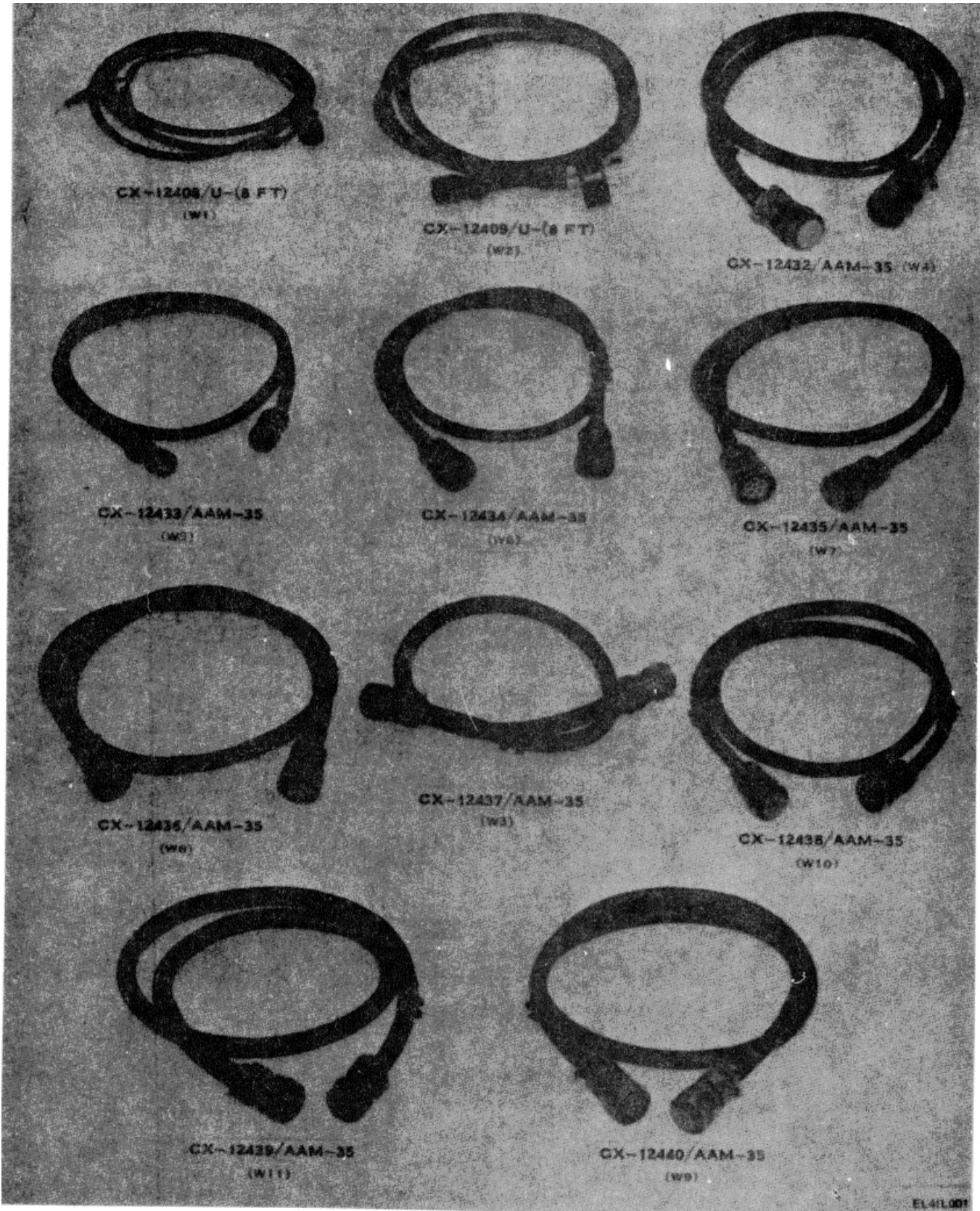


Figure 1-2. Test Set, Converter Subassembly-Video Converter components (part 3 of 3)  
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## CHAPTER 1 INTRODUCTION

### Section I. General

#### 1. Scope of Manual

- a. This manual describes Test Set, Converter Subassembly-Video Converter AN/AAM-35 (converter test set) and covers its installation, operation and operator and organizational maintenance. It includes instructions for operation under usual and unusual conditions, preventive an periodic maintenance services, and replacement ( parts available to organizational repairmen.
- b. Instructions for using Test Set, Converter Subassembly-Video Converter AN/AAM-35 to test Infrared Detecting Set AN/AAS-24 are contained in TM 11-5850-241-34.
- c. Appendix A contains references; appendix contains the basic issue items list and items troop installed or authorized list; appendix C contain the maintenance allocation chart; and appendix contains the organizational maintenance repair parts and special tools list.

#### 1-2. Indexes of Publications

- a. Refer to the latest issue of DA Pam 310-4 t determine whether there are any new edition. changes, or additional publications pertaining t the equipment. b. Refer to the latest issue of DA Pam 310-7 t 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 I 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 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 7518/ 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. Report should be submitted on DA Form 2028 (*Recommended Changes to Publications and Blank Forms*) and forwarded direct to Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-MA-Q Fort Monmouth, New Jersey 07703.

#### 1-3.2. 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 38750, 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, New Jersey 07703. A reply will be furnished direct to you.

#### 1-3.3 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. DESC

#### 1-4. Purpose and Use

a. Test Set, Converts Subassembly-Video Converter AN/AAM-35 provides facilities for bench testing Converter Subassembly MX-8358/AAS-24 and Converter, Video CV-2666/AAS-24 of Detecting Set, Infrared AN/AAS-24. When used with additional test equipment (para 1-10), the converter test set facilitates the following tests.

(1) *Converter Subassembly MiX-8358/AAS-24.*

- (a) Write video test.

(b) Write horizontal sweep test.

(c) Write vertical sweep test.

(d) Read vertical sweep test.

(e) Read horizontal sync test.

(f) Power supplies test.

(g) Hotspot marking test.

(h) Bit logic test.

(2) *Converter, Video CV-2666/AAS-24.*

(a) Write video test.

(b) Write horizontal deflection current test.

#### Change 3 1-1