TM 11-6625-1733-12

TECHNICAL MANUAL

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

TEST SET, OPTICAL ALIGNMENT AN/AAM-36

HEADQUARTERS, DEPARTMENT OF THE ARMY

JULY 1970

TECHNICAL MANUAL
No. 11-6625-1733-12

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 7 July 1970

Operator and Organizational Maintenance Manual Including Repair Parts and Special Tool Lists
TEST SET, OPTICAL ALIGNMENT AN/AAM-36 (NSN 6625-00-408-5040)

LIST OF ILLUSTRATIONS

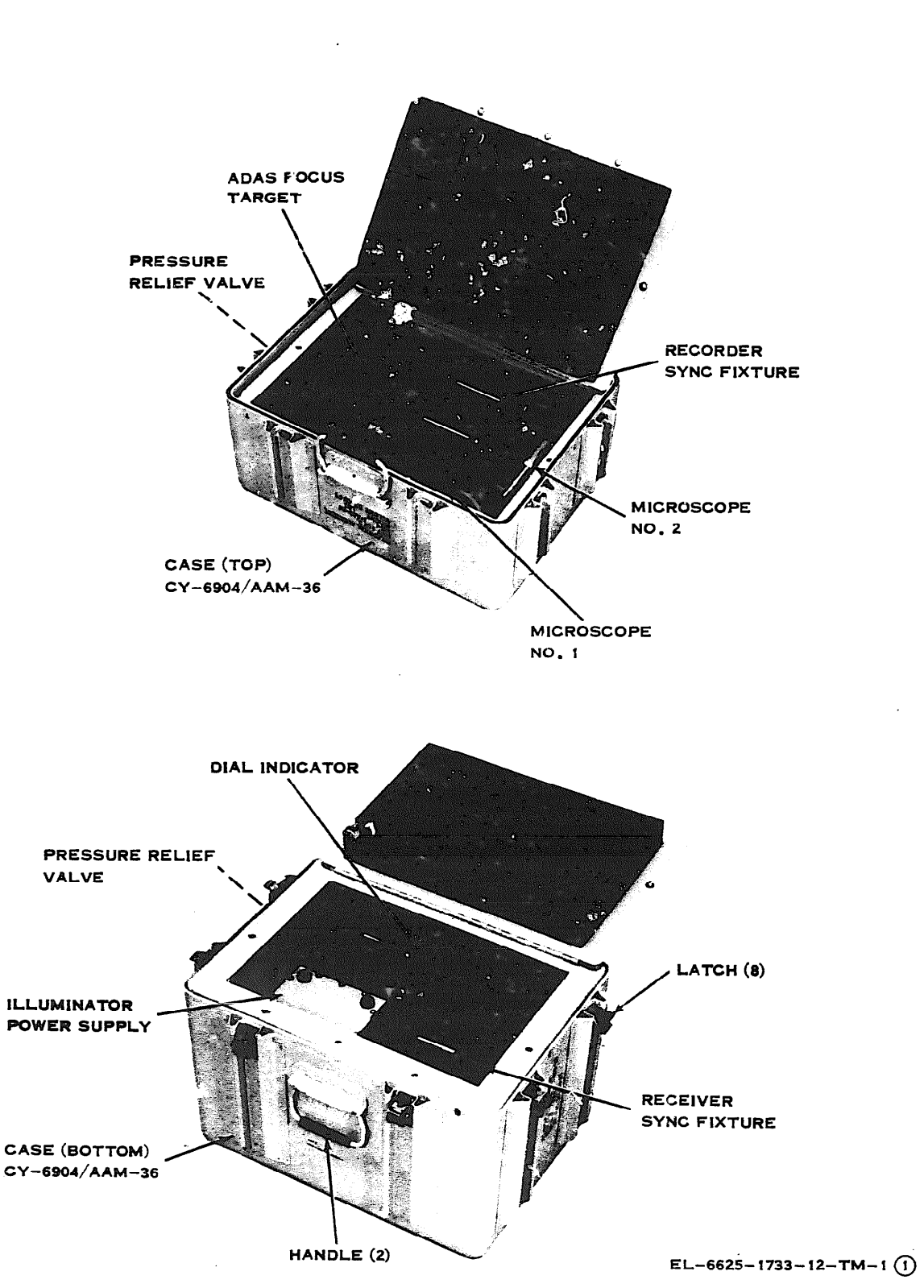

Figure 1-1.(1) Test Set. Optical Alignment AN/AAM-36 case NO.1 (part 1 of 3).

CHAPTER 1
INTRODUCTION

Section I. General

1-1. Scope of Manual

A. This manual describes Test Set, Optical Alignment AN/AAM-36 (optional alignment test set) and covers installation, operation, and organizational maintenance. Instructions for operation under unusual conditions, performing preventive and periodic maintenance services and replacement of parts available to organizational repair men are provided.

b. Instructions for using Test Set, Optical Alignment AN/AAM-36 in testing components of Detecting Set, Infrared AN/AAS-24 are contained in (C) TM 11-5850-241-34/2.

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 appendi:: D contains the organizational repair parts and special tools list.

NOTE

The AN/AAM-36 is unit 1, all reference designations should be prefixed with 1A1 for completeness.

1-2. Indexes of Publications

a. Refer to the latest issue of DA Pam 310-4 to d&ermine whether there are new editions, changes, or additional publications pertaining to the equipment.

b. Refer to the latest issue of 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 700-58/NAVSUPINST 4030.29/APR 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 P4610.19 C 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 Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-MA-Q, Fort Monmouth, New Jersey 07703.

1-3.2. Reporting Equipment Improvements 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, New Jersey 07703. A reply will be furnished direct to you.

1-3.3. Destruction of Army Electronics Material

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, Optical Alignment AN/AAM-36 provides the capability for checking the focus and alignment of Detecting Set, Infrared AN/AAS-24 optics.

b. Focus and alignment performed using Test Set, Optical Alignment AN/AAM-36 includes-

(1) Receiver Infrared R-1615/AAS-24.
  (a) Optical focus and alignment.
  (b) Synchronizer
(2) Recorder Magazine OA-8511/AAS-24.
  (a) Microscope objective focus, angle and track alignment.
  (b) Airborne Data Annotation System (adas) AN/AYA-10 focus and alignment.
  (c) Synchronizer alignment.
  (d) Light emitting diode balance.

1-5. Technical Characteristics

a. Input power to illuminator power supply +28, -4.0, +0.5 vdc, 3.6 amps max.

b. Input power to photodetector.
  (1) +13±0.1-vdc, 0.5 amp max.
  (2) -13±0.1-vdc, 0.5 amp max.