

TECHNICAL MANUAL
OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL
TEST SET, LASER INFRARED OBSERVATION DEVICE
TS-3620/GVS-5
(NSN 5860-01-052-9477)

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REPORTING OF ERRORS

You can improve this manual by recommending improvements using DA Form 2028-2 located in the back of the manual. Simply tear out the self-addressed form, fill it out as shown on the sample, fold it where shown, and drop it in the mail.

If there are no blank DA Forms 2028-2 in the back of your manual, use the standard DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forward to the Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703.

In either case a reply will be furnished direct to you.

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual contains instructions for operator and organizational maintenance for Test Set, Laser Infrared Observation Device TS-3620/GVS-5 (LR Test Set). It includes instructions for installing, operating and maintaining the LR Test Set. It also lists tools, materials and test equipment for operator and organizational maintenance.

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 (MWOs) 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/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.

1-4. Administrative Storage

Administrative storage information is contained in TM 740-90-1.

1-5. Destruction of Army Materiel to Prevent Enemy Use

Instructions for destruction of Army materiel to prevent enemy use are contained in TM 750-244-2.

1-6. Reporting Equipment Improvement Recommendations (EIR's)

EIR's will be prepared using Standard Form 368, Quarterly Deficiency Report. Instructions for preparing EIR's are provided in TM 38-750, the Army Maintenance Management System. EIR's should be mailed to the Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. A reply will be furnished direct to you.

1-7. Calibration

The LR Test Set will be calibrated as indicated on the calibration decal.

1-8. Hand Receipts

Hand receipts for End Item/Components of End Item (COEI), Basic Issue Items (BII), and Additional Authorized List (AAL) items are published in Hand Receipt Manual TM 11-6625-2684-12-HR. This manual is published to aid in property accountability and is available through: Commander, US Army Adjutant General Publication Center, ATTN: AGDL-OD, 1655 Woodson Road, St. Louis, MO 63114.

Section II. DESCRIPTION AND DATA

1-9. Purpose and Use

The LR Test Set provides a rapid GO NO-GO test of Laser Infrared Observation Device MX-9838/GVS-5 (LR) at the direct support level of maintenance. It is also used as a troubleshooting device and provides calibrated optical signals to check the

ranging accuracy and to monitor the transmitted laser output from the LR.

1-10. Description

The LR Test Set (fig. 1-1) is a portable, self-contained unit housed in a combination transit and