

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL,
DIRECT SUPPORT, AND GENERAL SUPPORT
MAINTENANCE MANUAL
FOR
TEST SET,
LASER RANGE FINDER
TS-3375/VVG-1
(4931-00-150-1558)

HEADQUARTERS, DEPARTMENT OF THE ARMY
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		Page
	LIST OF ILLUSTRATIONS	iv
	LIST OF TABLES	iv
CHAPTER	1. INTRODUCTION	1-1
Section	I. General	1-1
	1-1 Scope	1-1
	1-2 Forms and records	1-1
	1-3 Reporting of errors	1-1
	II. Description and data	1-1
	1-4. Description	1-1
	1-5. Functional description	1-9
	1-6. Tabulated data	1-10
CHAPTER	2. OPERATING INSTRUCTIONS	2-1
	2-1. General	2-1
	2-2. Controls and indicators	2-1
	2-3. Operation procedures	2-3
CHAPTER	3. DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE INSTRUCTIONS	3-1
Section	I. Service upon receipt of materiel	3-1
	3-1. General	3-1
	3-2. Modification work orders	3-1
	3-3. Receiving inspection	3-1
	3-4. Services for deficiencies on receipt	3-1
	II. Repair parts, special tools, and equipment	3-1
	3-5. Repair parts	3-1
	3-6. Special tools and equipment	3-1
	III. Preventive maintenance checks and services	3-2
	3-7. General	3-2
	3-8. General cleaning instructions	3-2
	3-9. Inspection	3-2
	3-10. General painting instructions	3-3
	3-11. R /T tester purging and charging procedure	3-4
	3-12. R/T tester calibration	3-5
	IV. Troubleshooting	3-5
	3-13. Troubleshooting the test set	3-5
CHAPTER	4. REPAIR INSTRUCTIONS	4-1
Section	I. General	4-1
	4-1. Scope	4-1
	II. Repair of receiver-transmitter tester	4-1
	4-2. General	4-1
	4-3. Repair	4-1
	4-4. Inspection	4-1
	III. Repair of tester adapter	4-1
	4-5. General	4-1
	4-6. Repair	4-1

		Page
	IV. Repair of extender cards.....	4-2
	4-7. General	4-2
	4-8. Repair.....	4-2
	4-9 . Inspection	4-2
	V. Repair of cables.	4-2
	4-10. General.....	4-2
	4-11. Repair	4-2
	4-12. Inspection	4-6
	VI. Repair of alinement lens assembly	4-6
	4-13. General.....	4-6
	4-14. Repair.....	4-7
CHAPTER	5. FINAL INSPECTION	5-1
	5-1. General	5-1
	5-2. Visual inspection	5-1
	5-3. Final inspection standards	5-1
CHAPTER	6. ADMINISTRATIVE STORAGE	6-1
	6-1. General	6-1
APPENDIX	A. REFERENCES	A-1
APPENDIX	B. BASIC ISSUE ITEMS LIST, ITEMS TROOP INSTALLED OR AUTHORIZED LIST, AND REPAIR PARTS AND SPECIAL TOOLS LIST.	B-1
APPENDIX	C. MAINTENANCE ALLOCATION CHART	C-1
Section	I. Introduction.....	C-1
	C-1. General	C-1
	C-2. Maintenance Functions	C-1
	C-3. Explanation of Format.....	C-1
	II. Maintenance allocation chart	C-2

LIST OF ILLUSTRATIONS

Number	Title	Page
1-1	Direct support common special tools and test equipment (10559658).....	1-3
1-2	Direct support unique special tools and test equipment (11738864).....	1-3
1-3	R/T holding fixture (11738862).....	1-4
1-4	General support special tools and test equipment-alinement kit (11738863).....	1-5
1-5	Fire Control Laser Range Finder AN/VVG-1 units	1-6
1-6	R/T tester block diagram	FO-1
2-1	R/T tester controls and indicators	2-1
2-2	PFN charge ammeter control and indicator	2-3
3-1	Cables schematic diagram	FO-2
4-1	Repair of test cable W50.	4-2
4-2	Repair of test cables W51, W52, W54, and tester cable A7/A77	4-3
4-3	Repair of test cable A75/A76	4-3
4-4	Repair of branched cable	4-4
4-5	Repair of test cable W53.....	4-4
4-6	Repair of PFN charge power supply extender cable	4-5
4-7	Repair of PFN charge ammeter cable	4-6

LIST OF TABLES

Number	Title	Page
1-1	Direct Support Common Special Tools and Test Equipment (10559658)	1-7
1-2	Direct Support Unique Special Tools and Test Equipment (11738864)	1-8
1-3	General Support Special Tools and Test Equipment-Alinement Kit (11738863).	1-9
1-4	Test Sets and Alinement Kit Shipping Data	1-10
1-5	R/T Tester Performance Characteristics.....	1-10
2-1	R/T Tester Controls and Indicators	2-2
2-2	PFN Charge Ammeter Controls and Indicators	2-3
3-1	Special Tools and Equipment	3-1
3-2	Preventive Maintenance Checks and Services.....	3-2,3-3
3-3	Materials Needed for Cleaning and Touch-up Painting	3-4
3-4	Test Set Troubleshooting	3-5
3-5	Extender Cards Wire Lists	3-6
3-6	Branched Cable Wire List	3-7

CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope

a. This manual is for use in operating and maintaining the Laser Range Finder Test Sets and the Alinement Kit.

b. Instructions for operating and maintaining the Laser Range Finder Units, which are issued as test equipment, are in the TM 9-2350-230-10-23 and TM 9-1240-369-34.

1-2. Equipment Maintenance Forms.

Equipment maintenance forms and procedures for their use are prescribed in TM 38-750.

1-3. Reporting of Errors.

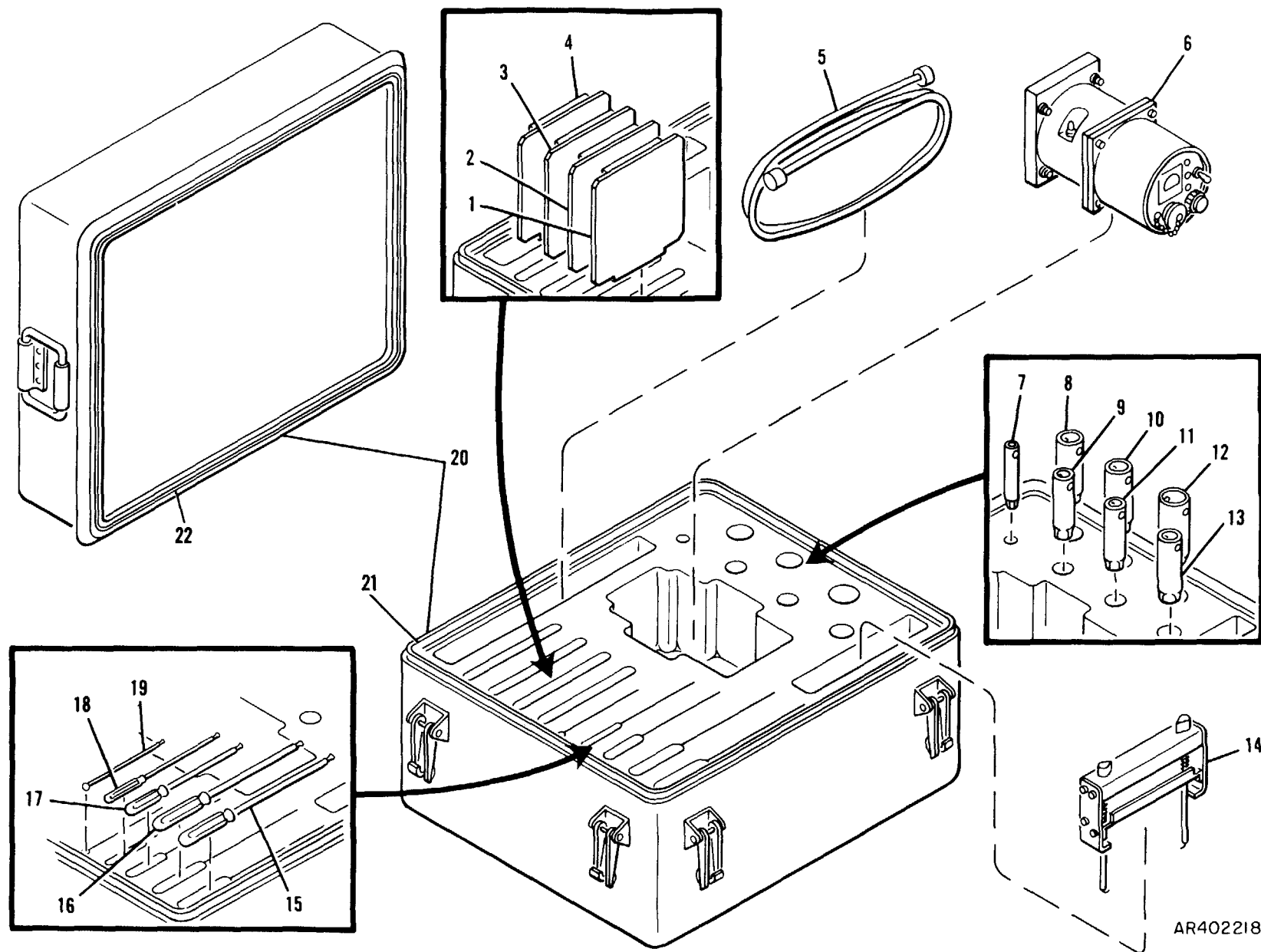
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Section II. DESCRIPTION AND DATA

1-4. Description.

a. The TS-3375/VVG-1 laser range finder test set consists of special tools and equipment for performing direct support (DS) and general support (GS) maintenance of the AN/VVG-1 laser range finder. The test set provides a means for limited system testing of the AN/VVG-1 laser range finder and for testing and replacement of unit modules or parts. The special tools and test equipment, with the exception of the R/T holding fixture, are contained in three carrying cases. The first carrying case 10559658 is for direct support common special tools and test equipment (fig. 1-1), with parts are listed in table 1-1. The second carrying case 11738864 is for direct support unique special tools and test equipment (fig. 1-2) with parts are listed in table 1-2.

The third carrying case 11738863 is for general support alinement special tools and test equipment (fig. 1-3) with parts are listed in table 1-3. The holding fixture assembly 11738862 (fig. 1-3) provides protective support for the AN/VVG-1 laser range finder units during handling, transport, and bench maintenance. The five units of the AN/VVG-1 laser range finder complete the items comprising the laser test set (fig. 1-5) and are needed for DS/GS level maintenance with a prime power source to form a complete system hot mark-up for testing and troubleshooting faulty units of the laser range finder as well as aligning the R/T unit. Paragraph b below provides a functional description of the receiver-transmitter tester.



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Figure 1-1. Direct support common special tools and test equipment (10559658).