DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE MANUAL

DISTORTION TEST SETS TS-383, TS-383A, AND TS-383B

This copy is a reprint which includes current pages from Change 1.

HEADQUARTERS, DEPARTMENT OF THE ARMY
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DEPARTMENT OF THE ARMY
WASHINGTON, D.C, 17 *November 1965*

Organizational Maintenance Manual DISTORTION TEST SETS TS-383/GG, TS-383A/GG, AND TS-33B/GG

			Paragraph	Page
CHAPTER	1.	INTRODUCTION		
Section	I.	General		
		Scope	1-1	1-1
		Indexes of publications	1-2	1-1
		Forms and records	1-3	1-1
		Reporting of Equipment Publication Improvements	1-3.1	1-1
	II.	Description and Data		
		Purpose and use	1-4	1-1
		Technical characteristics	1-5	1-2
		Items comprising operable Di tion Test Sets TS3M8300C, TS-383AGG, and TS3B/GG	1-6	1-2
		Description of test	1-7	1-2
		Additional equipment required	1-8	1-4
		Difference in models	1-9	1-4
CHAPTER	2.	INSTALLATION		
Section	I.	Service Upon Receipt of Equipment		
		Unpacking	2-1	2-1
		Checking unpacked equipment	2-2	2-1
	II.	Preliminary Installation and Lubrication Procedures		
		Tolls, lubricants, and other items required for installation	2-3	2-3
		Siting	2-4	2-3
		Adjusting operating speed	2-5	2-4
		Adjusting speed of series-governed motor	2-4	2-8
		Installation of station call-letters segments	2-7	2-8
		Lubrication instructions	2-8	2-9
CHAPTER	3.	OPERATING INSTRUCTIONS		
		Controls, Indicators, and Cords		
		Controls	3-1	3-1
		Indicators	3-2	3-2
		Cords	3-3	3-3
	II.	Operation		
		General	3-4	3-4
		Testing procedure	3-5	3-5
		Types of connections	3-6	3-6
		Operational procedures	3-7	3-8
		Preliminary and starting procedures	3-8	3-8
		Procedure for checks	3-9	3-11
		Stopping procedures	3-10	3-13

***This manual supersedes so much of TM 11-2217, 16 October 1946, Including C1, 18 November 1948, C 2,14 April 1950 C 3, 1 May 1958, and C 6, 6 September 1963 as pertains to operation and to operator's and organizational maintenance of Distortion Test Sets TS-383AGG, and TS 383B/GG.**

			Paragraph	Page
CHAPTER	4.	MAINTENANCE INSTRUCTIONS		
		Scope of organizational maintenance	4-1	4-1
		Tools and materials required	4-2	4-1
		Preventive maintenance	4-3	4-1
		Preventive maintenance checks and services	4-4	4-1
		Monthly preventive maintenance checks and services chart	4-5	4-1
		Cleaning	4-6	4-2
		Preservation	4-7	4-3
CHAPTER	5.	SHIPMENT AND LIMITED STORAGE AND DEMOLITION TO PREVENT ENEMY USE		
Section	I.	Shipment and Limited Storage		
		General	5-1	5-1
		Packing for domestic shipment and storage	5-2	5-1
		Packing for oversea shipment	5-3	5-1
	II.	Demolition of Materiel to Prevent Enemy Use		
		Authority for demolition	5-4	5-2
		Methods of destruction	5-5	5-2
APPENDIX	I.	REFERENCES		A-1
APPENDIX	II.	BASIC ISSUE ITEMS LIST (BIIL) AND ITEMS TROOP INSTALLED OR AUTHORIZED LIST (ITIAL)		
Section	I.	Introduction		AII-1
	II.	Basic issue Items List		AII-3
	III.	Items troop installed or authorized list (Not applicable)		
APPENDIX	III.	MAINTENANCE ALLOCATION		AIII-1

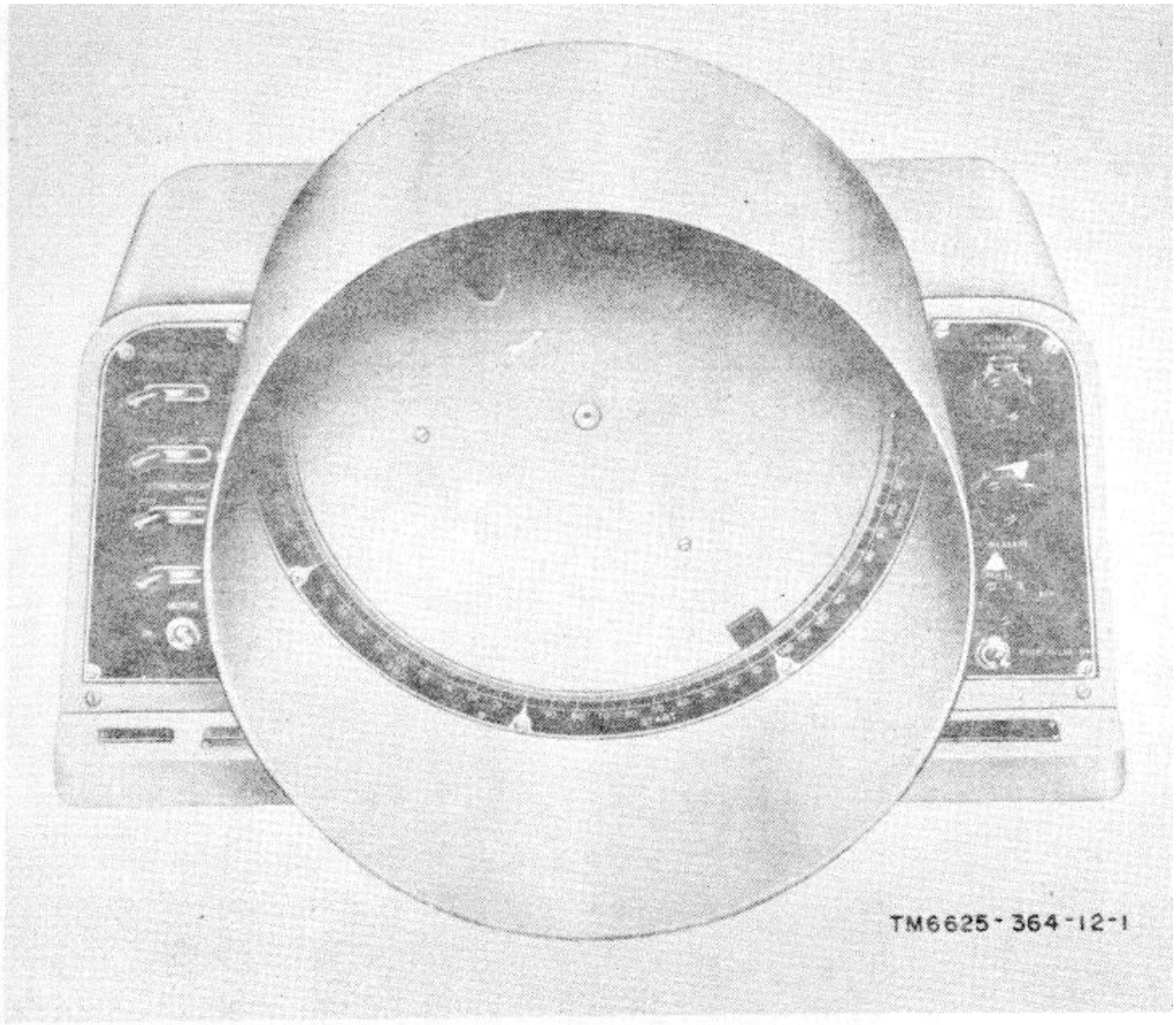

Figure 1-1. Distortion Test Set TS-SS(*)/GG.

CHAPTER 1
INTRODUCTION

Section I. GENERAL

1-1. Scope

a. This manual describes Distortion Test Sets TS-383/GG, TS-383A/GG, and TS-383B/GG (fig. 1-1) and covers their installation, operation, and organizational maintenance. The manual includes instructions for operating the equipment and also prescribes the preventive maintenance checks and services required to keep the equip ment in combat-serviceable condition. Unless otherwise specified, the information in this manual applies to all models of the equipment.

b. Official nomenclature followed by an asterisk is used to indicate all models of the TS-383/GG covered in this manual. Thus, Distortion Test Set TS-383/GG represents Distortion Test Sets TS-383/GG, TS-383A/GG, and TS-383B/GG. Throughout the manual, the TS-383/GG will be referred to as the test set.

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 (report of Packaging and Handling Deficiencies) as prescribed in AR 700-58 (Army)/NAVSUP Pub 378 (Navy)/AFR 71-4 (Air Force/MCO P4030.29 (Marine Corps), and DSAR 4145.8.

c. Discrepancy in Shi,ment Report (DISREP) (SF 361). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed AR 55-38(Army)/NAVSUPINST 4610.33/AFM 75-18/MCO P4610.19A (Marine Corps), and DSAR 4500.15.

1-3.1. Reporting of Equipment Publication Improvements

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, AITN: AMSELMA-C, Fort Monmouth, NJ 07703.

Section II. DESCRIPTION AND DATA

1-4. Purpose and Use

a. *Purpose*. Distortion Test Set TS383(*)/GG is a motor-driven teletypewriter test set which provides a variety of 7.42-unit teletypewriter signals for adjusting and testing teletypewriter equipment, and also analyzes 7.42-unit signals received from teletypewriter equipment.

b. Use. The test set may be used to check the sending and receiving mechanisms of 7.42-unit teletypewriter equipment. It may also be used to test bias meters, polar relays, direct current (dc) teletypewriter terminal and repeater equipment, telegraph carrier terminal and repeater equipment, and teletypewriter test equipment. The test