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DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL

TEST SET TELEPHONE AN/PTM-7

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HEADQUARTERS, DEPARTMENT OF THE ARMY

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TEST SET, TELEPHONE AN/PTM-7

(NSN 6625-00-902-7574)

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to Commander, US Army Communications-Electronics Command, ATTN: DRSEL–ME–MQ, Fort Monmouth, NJ 07703.

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

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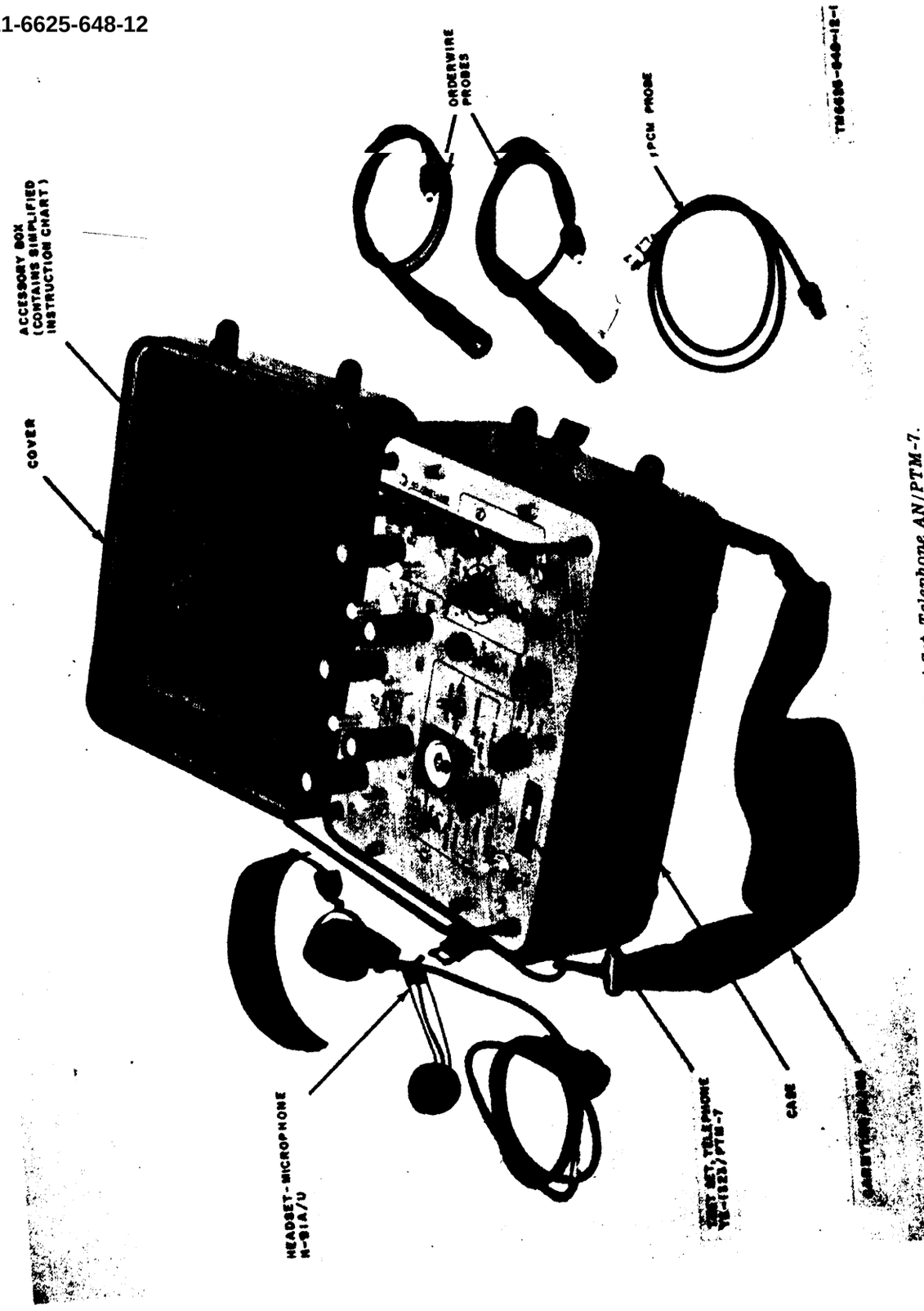

Figure 1-1. Test Set, Telephone AN/PTM-7.

CHAPTER 1

INTRODUCTION

Section I. GENERAL

NOTE

Restorer, Pulse Form TD-206/G is issued in two configurations which interface with two different cable types. Restorer TD-206B/G is similar to Restorer TD-206/G except for end cap configuration. Differences are summarized as follows:

Restorer, Pulse Form	*Interfaces With Cable, Special Purpose Electrical*
TD-206/G with 7A2 end cap	CX-4245/G
TD-206/G with 7A2 end cap	CX-11230/G
TD-206B/G	CX-l1230/G

In this manual, the designation TD-206/G applies to all sets unless otherwise specified. Cable, Special Purpose Electrical CX-4245/G is similar to Cable CX-11230/G except for connector configuration. In this manual, the designation CX-4245/G applies to both cables unless otherwise specified.

1-1. Scope

This manual describes Test Set, Telephone AN/PTM-7 (fig. 1-1). It includes instructions for installation, operation, and organizational maintenance.

1-1.1 Test Set Simplified Instruction Cards

When using the Test Set Simplified Instruction Cards, the following corrections are required:

a. Page 1, METER SELECT Switch Indications.

(1) PCM IN: Meter Indicates that a pcm input signal is present.

(2) PCM OUT: Meter indicates that a pcm output signal is being transmitted.

b. Page 3, Cable and Restorer Tests.

(1) Paragraph 3F. Place METER SELECT switch to DC AMPS. Meter should indicate between 7 and 10.

(2) Paragraph 3G. Place METER SELECT switch to VOLT DROP position. Meter should indicate between 7 and 9 in the green area.

(3) Paragraph 3H. Place METER SELECT switch to PCM IN position. If meter indicates zero, no pcm input signal is being received.

(4) Paragraph 3I. Place METER SELECT switch to PCM OUT position. If meter indicates zero, no pcm signal is being transmitted.

1-2. Index of Technical Publications

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.

1-3. Maintenance Forms, Records, and Reports

a. Reports of Maintenance and Unsatisfactory Equipment. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by TM 38-750, The Army Maintenance System.

b. Report of Packaging and Handling Deficiencies. Fill out and forward SF 364 (Report of Discrepancy ROD)) as prescribed in AR 735-11-2/DLAR 4140.55/N AVMATINST 4355.73/AFR 400-54/MCO 4430.3E.

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 4610.19C/DLAR 4500.15.

1-3.1. Reporting Equipment Improvement Recommendations (EIR)

If your equipment needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Tell us why a procedure is hard to perform. Put it on an SF 368 (Quality Deficiency Report). Mail it to Commander, US Army Communications-Electronics Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. We'll send you a reply.

1-3.2. Administrative Storage

Administrative Storage of Equipment issued to and used by Army activities will have preventive maintenance performed in accordance with the PMCS