TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL

TEST SET, GYRO STABILIZED PLATFORM AN/SM-385, FSN 6625-404-3281

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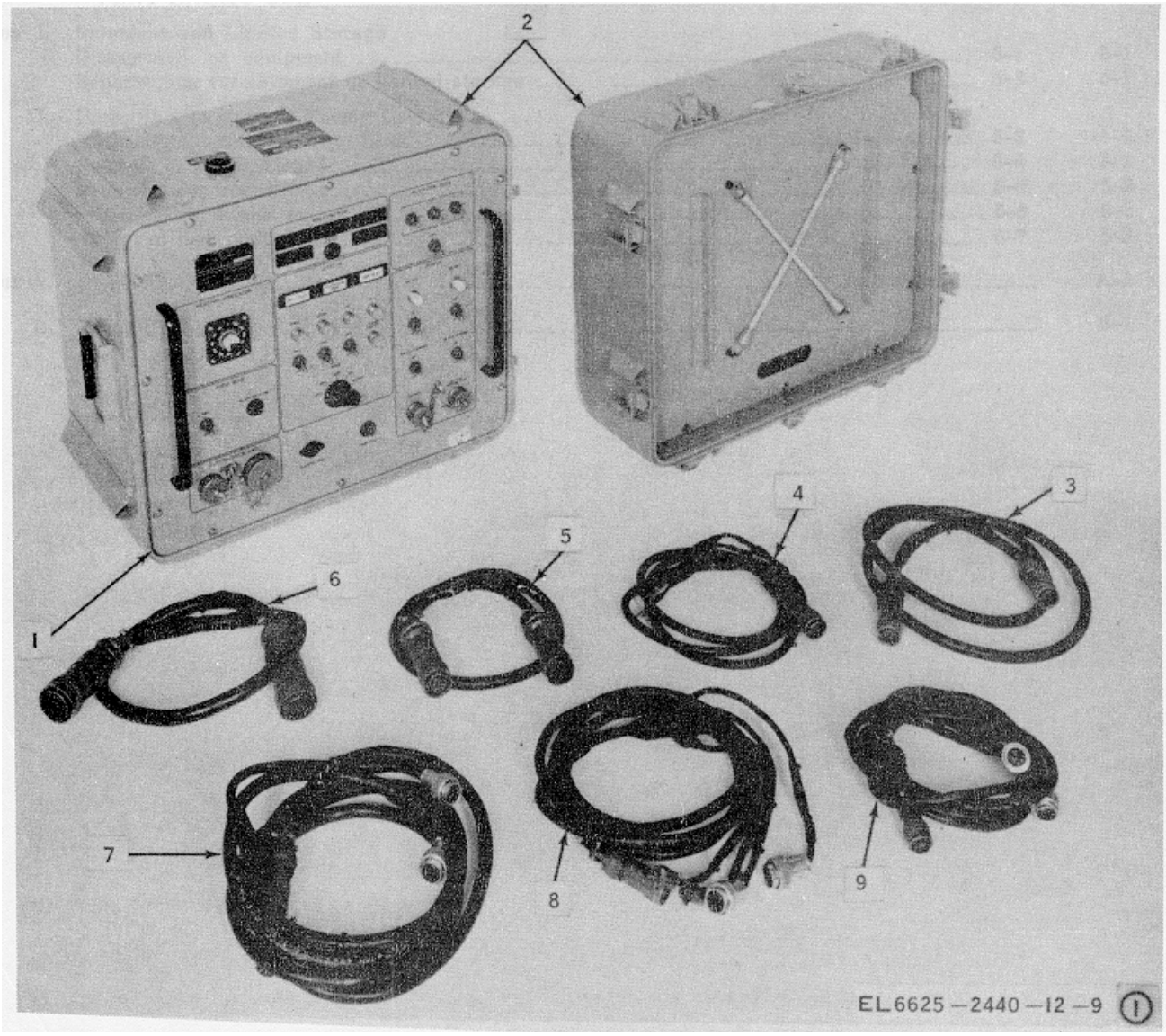
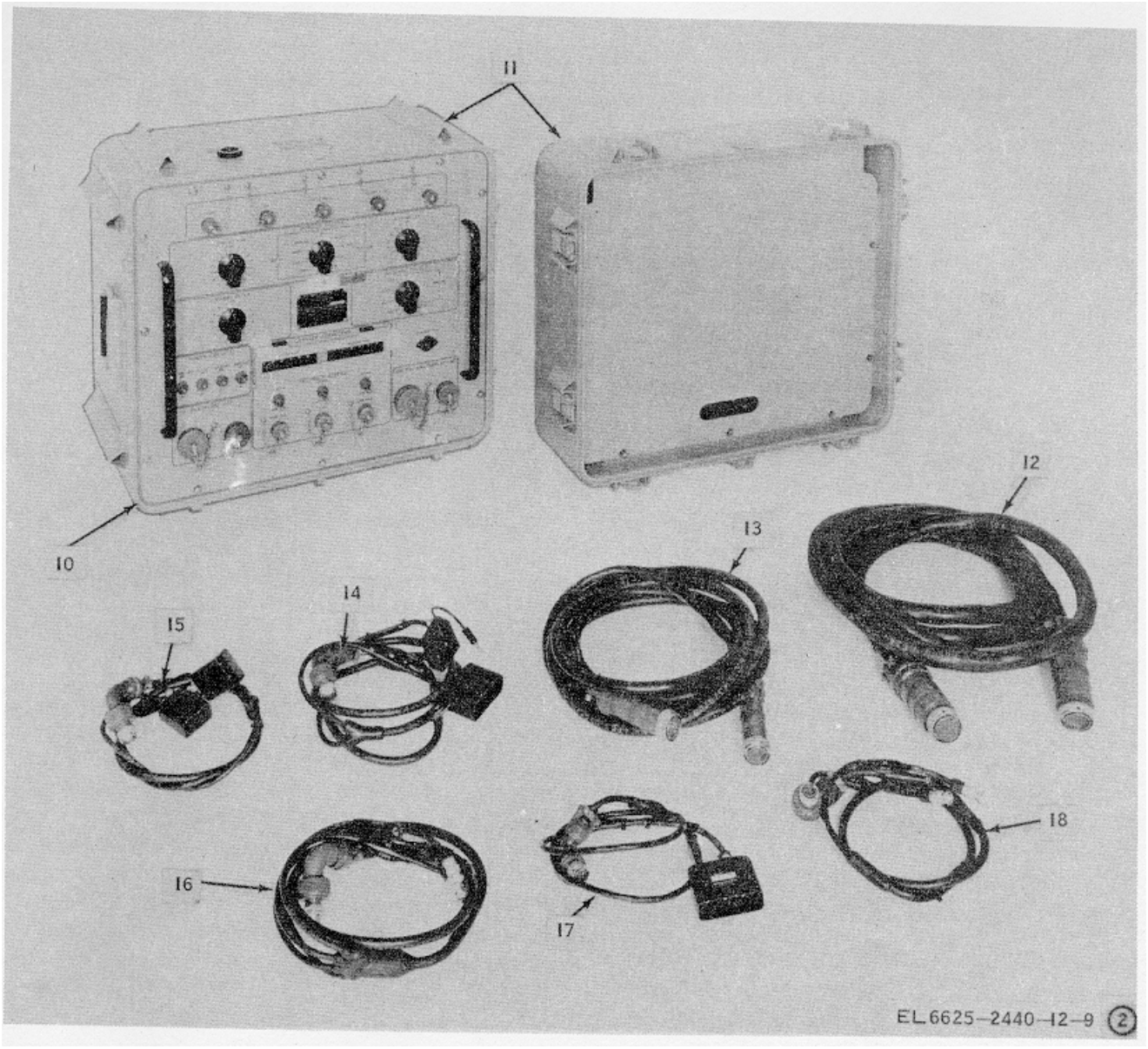
Operator and Organizational Maintenance Manual
TEST SET, GYRO STABILIZED PLATFORM AN/ASM-385



1 Control-Display, Test Set C-8316/ASM-385
2 Combination case
3 Cable Assembly, Power, Electrical CX-12107/U (1W1)
4 Cable Assembly, Power, Electrical CX-12108/U (1W2)
5 Cable Assembly, Special Purpose, Electrical CX-12114/U (1W3)
6 Cable Assembly, Special Purpose, Electrical CX-12115/U (1W4)
7 Cable Assembly, Special Purpose, Electrical CX-12118/U (1W12)
8 Cable Assembly, Special Purpose, Electrical CX-12117/U (1W11)
9 Cable Assembly, Special Purpose, Electrical CX-12116/U (1W9)

Figure 1-1①. Test Set, Gyro Stabilized Platform AN/ASM385 (part 1 of 2).



10 Electronic Switching Unit, Test Set TS-2907/ASM-385
11 Combination case
12 Cable Assembly, Special Purpose, Electrical CX-12120/U (2W14)
13 Cable Assembly, Special Purpose, Electrical CX-12119/U (2W13)
14 Cable Assembly, Special Purpose, Electrical CX-12113/U (2W10)
15 Cable Assembly, Special Purpose, Electrical CX-12112/U (2W8)
16 Cable Assembly, Special Purpose, Electrical CY-12112/T (2W7)
17 Cable Assembly, Special Purpose, Electrical CX-12110/U (2W6)
18 Cable Assembly, Special Purpose, Electrical CX-12109/U (2W5)

Figure 1-1② Test Set, Gyro Stabilized Platform AN/ASM-385 (part 2 of 2).

CHAPTER 1
INTRODUCTION

Section I. GENERAL

1-1. Scope of Manual

a. This manual covers the operation and organizational maintenance of Test Set, Gyro Stabilized Platform AN/ASM-385 (fig. 1-1). Technical characteristics, installation, operation under unusual conditions and troubleshooting are also included.

b. The organizational repair parts and special tools list appears in TM 11-6625-2440-20P.

NOTE

The maintenance allocation chart appears in appendix B. Appendix B is current as of 1 July 1971.

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 this 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 (Packaging Improvement Report) as prescribed in AR 700-58/NAVSUPINST 4030.29/AFR 71-13/MCO P4030.29A and DSAR 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 4610.33/AFR 75-18/MCO P4610. 19B and DSAR 4500. 15.

d. Reporting of Errors. 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, ATTN: DRSEL-MA-Q, Fort Monmouth, NJ 07703.

e. Reporting Equipment Improvement Recommendations (EIR). EIR 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 directly to Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmouth, NJ 07703. A reply will be furnished directly to you.

f. Administrative Storage. For procedures, forms and records, and inspections required during administrative storage of this equipment, refer to TM 74090-1.

Section II. DESCRIPTION AND DATA

1-4. Purpose and Use

a. Purpose. Test Set, Gyro Stabilized Platform AN/ASM-385 (fig. 1-1) provides for testing the operational status of a platform, such as Platform, Gyro Stabilized MX-8123/ASN-86 (platform) a unit of Navigation Set, Inertial AN/ASN-86 (navigation set). The test set functions to simulate Computer, Navigation CP941/ASN-86 (computer) and Control-Indicator ID-1579/ASN-86 (control-indicator) which are also part of the navigation set. The test set provides for all loads, operating voltages, test control signals as well as the conditioning of platform outputs for monitoring by test equipment.

b. Use. The test set is a manually operated device with semiautomatic features wherever practicable. Its use enables testing of the platform and fault isolation to a module or replaceable assembly within the platform.

1-5. Technical Characteristics

The test set utilizes positive logic with +0. 25 (± 0.25) V representing a 0, false, or low state and + 3. 8 (± 1.4) V representing a 1, true, or high state. Other test set characteristics are listed in the following charts.

a. Input Power.

Voltage	Frequency (Hz)	Phase	Maximum current (amperes)
Note. An incorrect input phase sequence is automatically corrected by, the test set.			
3-phase, wye:			
115 (± 11.5)V	400 (± 20	A	0.6
115 (± 11 5)V	400 (± 20)	B	9.6
115 (± 11.5)V	400 (± 20)	C	9.6
0V		N	2.2
27 (2)V			10.0