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DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATION AND ORGANIZATIONAL MAINTENANCE

INSULATION BREAKDOWN TEST SET AN/GSM-6

This copy is a reprint which includes current
pages from Changes 2 and 3.

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CHAPTER 1

INTRODUCTION

Section 1. GENERAL

1. Scope

a. This manual describes Insulation Breakdown Test Set AN/GSM-6 and covers its installation, operation, and first and second echelon maintenance. It includes operation under usual and unusual conditions, instructions for cleaning and inspection of the equipment, and replacement of parts available to first and second echelon maintenance.

b. The appendix contains the Maintenance Allocation Chart.

2. Forms and Records

a. *Unsatisfactory Equipment Reports.*

- (1) Fill out and forward DA Form 468 (Unsatisfactory Equipment Report) to the Commanding Officer, U.S. Army Signal Equipment Support Agency, Fort Monmouth, N. J., as prescribed in AR 700-38.
- (2) Fill out and forward AF TO Form 29

(Unsatisfactory Report) to the Commander, Air Materiel Command, Wright-Patterson Air Force Base, Ohio, as prescribed in AF TO 00-35D-54.

b. *Report of Damaged or Improper Shipment.* Fill out and forward DD Form 6 (Report of Damaged or Improper Shipment) as prescribed in AR 700-58 (Army), Navy Shipping Guide, Article 1850-4 (Navy), and AFR 71-4 (Air Force).

c. *Parts List Form.* Forward DA Form 2028 (Recommended Changes to DA Technical Manual Parts List or Supply Manuals 7, 8, and 9) direct] to the Commanding Officer, U.S. Army Sign. Equipment Support Agency, Fort Monmouth, N. J., with comments on parts listings in the appendix.

d. *Comments on Manual.* Forward all other comments on this publication directly to the Commanding Officer, U.S. Army Signal Publications Agency, Fort Monmouth, NJ.

Section II. DESCRIPTION AND DATA

3. Purpose and Use

a. *Purpose.* insulation Breakdown Test Set AN/GSM-6 (fig. 1) supplies high direct current (dc) voltages for testing the insulating qualities of electrical insulation,

b. *Use.* The test set is used for testing speci-

mens such as insulating materials, insulating structures, and the insulation of a complete electrical component. The insulation of the test specimen is subjected to high dc voltages, comparable to those that would be impressed on the test specimen under operating conditions.

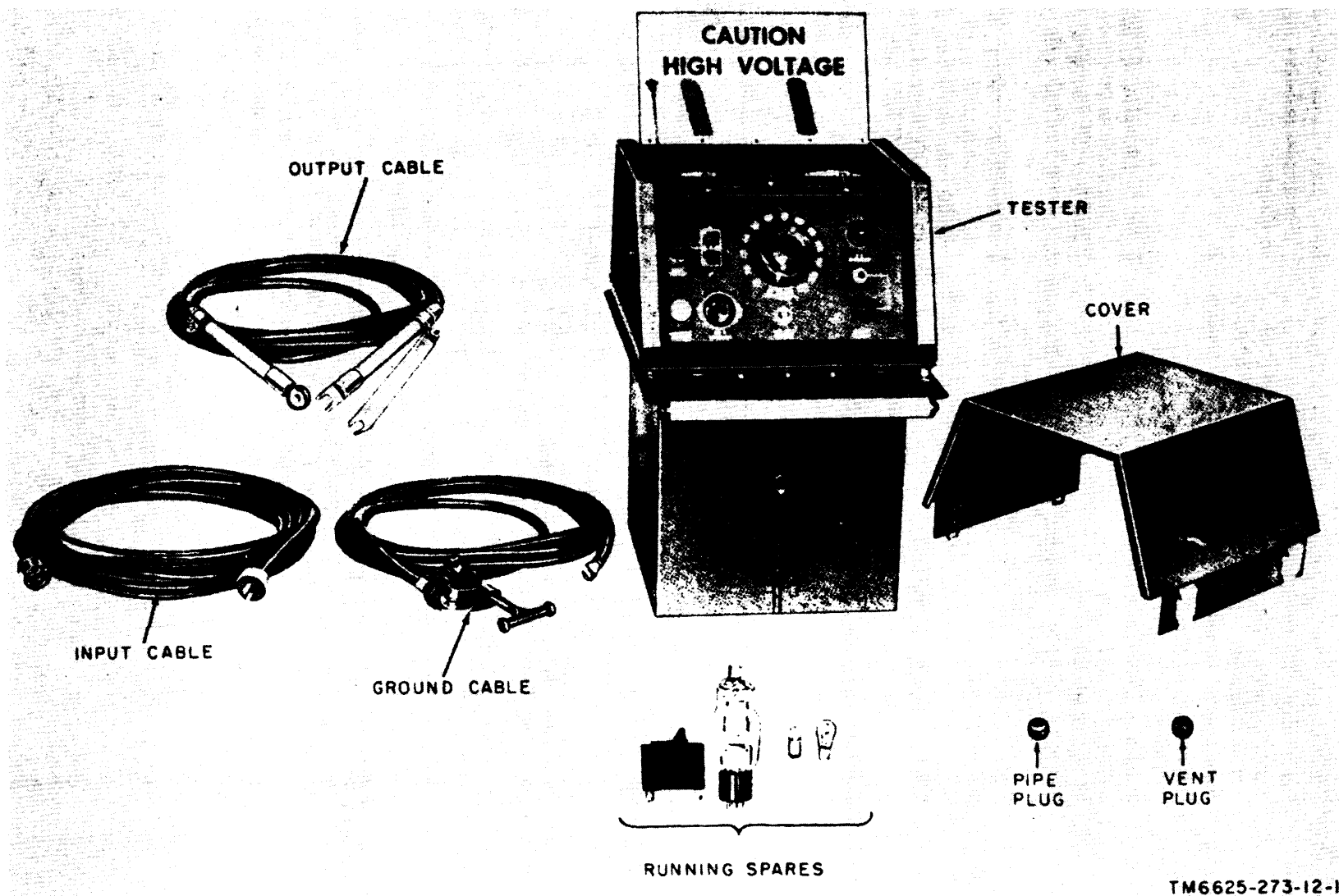


Figure 1. Insulation breakdown test set AN/GSM-6.