

TECHNICAL MANUAL

**OPERATION AND SERVICE/ORGANIZATIONAL, GS
AND DEPOT MAINTENANCE MANUAL
WITH
ILLUSTRATED PARTS BREAKDOWN**

**SIMULATOR TEST SET
AN/APM-245**

HAZELTINE CORPORATION

**F33657-67-C-0404
F41608-71-D-0973**

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This manual supersedes T.O. 33A1-8-466-1 dated 15 December 1967

Published under authority of the Secretaries of the Air Force, Army, and Navy.

AFPS SA DEC 69, 4200

15 JULY 1969

**This copy is a reprint which includes current
pages from Changes 1 through 4**

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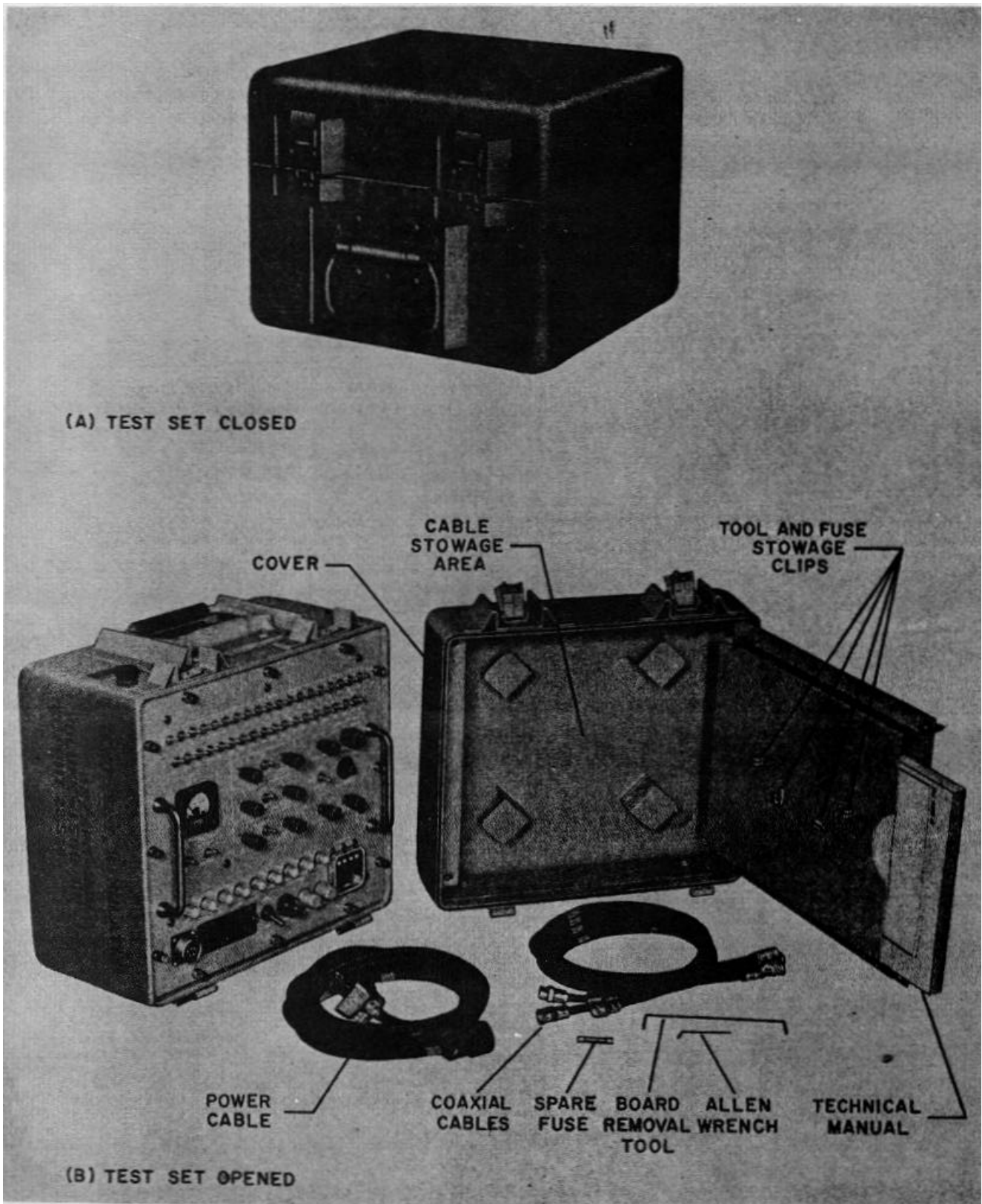


Figure 1-1. Simulator Test Set AN/APM-245

SECTION I

INTRODUCTION AND DESCRIPTION

1-1. SCOPE.

1-2. This manual contains general operation, operators and organizational maintenance, support/intermediate/field and depot overhaul maintenance instructions for Simulator Test Set AN/APM-245 (figure 1-1). It includes instructions for troubleshooting, testing, and aligning the equipment. It also lists materials and test equipment required for maintenance. A functional description of the equipment is included in Section IV; Section V contains a parts list for the equipment.

Note

This technical manual and the equipment covered herein is configured for interservice use and maintainability by direction of the Department of Defense AIMS System Program Office (DOD AIMS SPO). No changes shall be made to the equipment or the technical manual without the approval of the DOD AIMS SPO.

1-3. PURPOSE OF EQUIPMENT.

1-4. Simulator Test Set AN/APM-245, herein referred to as the test set, is a portable facility used for maintenance support of transponder and interrogator units. The test set provides the mode 4 signals necessary for bench testing and adjusting of transponder and interrogator circuits.

1-5. GENERAL DESCRIPTION.

1-6. The test set is contained in a portable aluminum carrying case which permits use of the set on a work bench along with associated test equipment and units to be tested. All controls, switches, connectors, and indicating devices are located on the front panel of the test set. Accessory and power cables, special tools, and the technical manual are located inside the cover of the front panel.

1-7. ELECTRICAL AND MECHANICAL CHARACTERISTICS.

1-8. A list of the electrical and mechanical characteristics is given in figure 1-2, table of specifications.

Nomenclature:	Simulator Test Set AN/APM-245
Weight:	23.5 lbs.
Over-all dimensions:	
Height	10.50 inches
Width	13.00 inches
Length	13.31 inches
Input power requirements:	Single-phase 115 volts, 60 or 400 Hz, 35 watts

Figure 1-2. Table of Specifications (Sheet 1 of 4)