

***TB 11-6625-1636-35**

DEPARTMENT OF THE ARMY / TECHNICAL BULLETIN

**CALIBRATION PROCEDURE
FOR
ANTENNA COUPLER TEST SET
AN/ARM-109
(NSN 6625-00-627-8592)**

**Headquarters, Department of the Army, Washington, DC
14 October 1975**

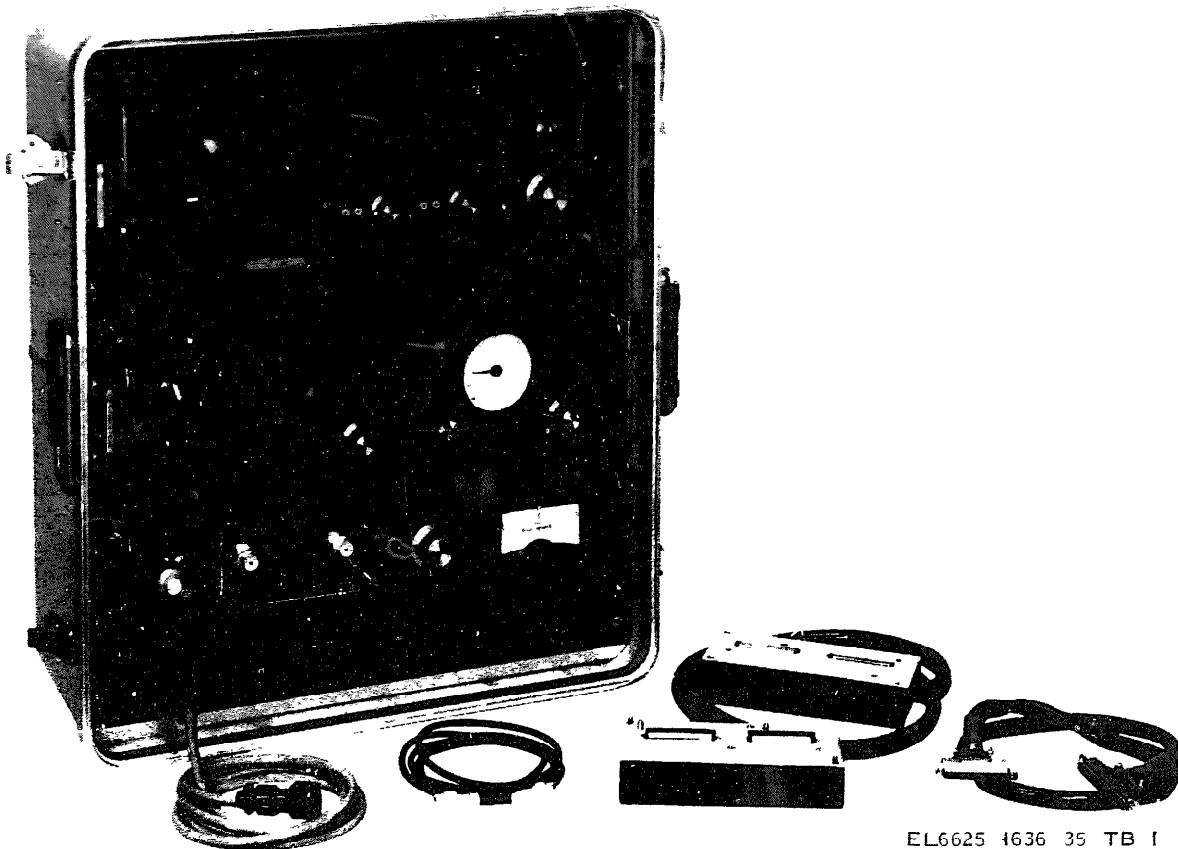
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**SECTION I
INTRODUCTION AND DESCRIPTION**

1. Purpose and Scope. This bulletin provides information for the periodic calibration of Antenna Coupler Test Set AN/APM-109 (fig. 1). It is to be used by

personnel trained and qualified in the use of calibration equipment.

*This bulletin supersedes TB 11-6625-1636-35/1, 18 July 1968.



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Figure 1 Antenna Coupler Test Set,
AN/ARM-109

2. Reporting of Technical Bulletin Improvements.

The reporting of errors, omissions, and recommendations for improving this bulletin is authorized and encouraged. Submit reports on DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forward direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-Q, Fort Monmouth, NJ 07703.

3. Descriptive Data. Antenna Coupler Test Set AN/ARM-109 contains all material required to test the electronic modules of Antenna Couplers CU-1669/GRC and CU-1658/A.

Identification.

Nomenclature	Antenna Coupler Test Set AN/ARM-109
National stock number	6625-00-627-8592
Manufacturer	Collins Radio Company
Model number	9890H-1

Size	24 1/2 x 13 1/4 x 22 in (622 x 337 x 559 mm)
Weight	65 lbs (29.4 kg)
Reference	TM 11-6625-1636-15
b. Specifications.	
Duty cycle	Continuous, except for TS-2352/U, 5 minutes on and 5 minutes Off
Negative error	-0.212 ± 2.006V
Positive error	+0.100 ± 0.025V
TORQUE meter	90° ± 2°
Rf load	50 ohms at 30 mHz
c. Calibration.	
Time required	2 hours (approx)
Interval	In accordance with TB 43-180

4. General Instructions. a. Calibration Reporting.

(1) Forms, records, and reports required for calibration personnel at all levels are prescribed by TM 38-750. DA Form 2416 (Calibration Data Card)