

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

CALIBRATION PROCEDURE FOR RADIO TEST SET TS-777 /URD-4

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SECTION I GENERAL

1. Purpose and Scope

a. This bulletin provides information for the periodic calibration of Radio Test Set TS-777/URD-4 (fig. 1) and is used by maintenance calibration personnel. Since maintenance calibration personnel are trained and qualified in the use of test and measuring equipment, detailed instructions concerning the operation and use of these equipments are not contained in this bulletin.

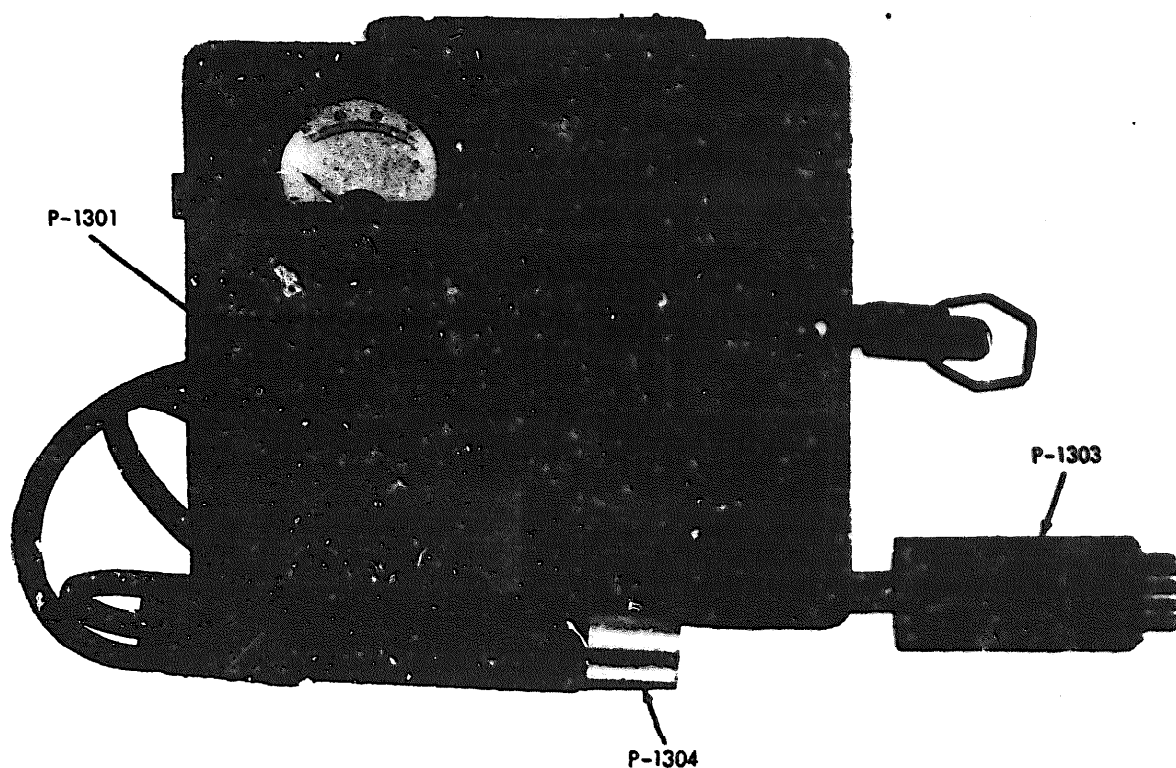
b. This bulletin contains an illustration that lo-

cates all controls and components utilized in this calibration procedure.

2. Reporting of Technical Bulletin Improvements

The 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) direct to Commander, US Army Electronics Command, ATTN: Monmouth, NJ 07703.

*This bulletin supersedes TB 11-6625-721-35/1, 31 July 1969.



TB11-6625-721-35/1-1

Figure 1. Radio Test Set TS-777/URD-4—front panel view.

3. Description

Radio Test Set TS-777/URD-4 is used to make voltage and current measurements and to check crystal operation of Direction Finder Set AN/URD-4. Additional data is listed in a through c below.

a. Identification.

Nomenclature

Federal stock number	6625-635-4316.
Line item number	P/O G13547.
Size	6.5 x 8 x 3.5 in.
Weight	4 lb.
Reference	TM 11-526-15.

b. Specifications.

Input power requirement. None.

Meter (basic) :

Range	100 pa.
Accuracy	+2% of full scale.

Measuring circuit range

and accuracy :

Dc volts	0-3, 0-15, 0-100 volt at 10,000 ohms/volt $\pm 10\%$; 0-300 volts at 5000 ohm/volt $\pm 4\%$.
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Audio measurement.

100 milliwatts at midscale.

c. Program Data.

Time required for calibration	1 hour.
Calibration level	Maintenance.

4. General Instructions

a. *Calibration Reporting.* During the performance of this procedure, annotate DA Form 2416 (Calibration Data Card) in accordance with TM 38-750.

b. *Frequency of Calibration.* The maximum time permitted between calibration checks for the Radio Test Set TS-777/URD-4 is contained in TB 43-180.

c. *Unit Under Test.* Radio Test Set TS-777/URD-4 will be referred to as "unit under test."

d. *Removal.* Do not remove the unit under test from its protective case unless necessitated by equipment connections and/or components to be adjusted which are not accessible from external ports provided on the unit under test.

5. Differences Among Models

None.