SPECIFIC STANDARD

FOR.

ELECTRONIC MULTIMETER TS-505/U, TS-505A/U,

TS-505B/U, AND MULTIMETER TS-505C/U, TS-505D/U

26 December 1961



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Signal Corps Repair Standard No. REP-329 has been prepared under the supervision of the Maintenance Methods Division and is published for the information and guidance of all concerned. Suggestions relative to form, contents, purpose, or use of this publication should be referred to the Commanding Officer, U. S. Army Signal Materiel Support Agency, Fort Mormouth, New Jersey. ATTN: Chief, Maintenance Methods Division, SIGMS-MM.

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DISTRIBUTION: Special

PREFACE

Signal Corps Repair Standards are prepared by the Maintenance Methods Division, Maintenance Engineering Department, U. S. Army Signal Materiel Support Agency, and cover various items of signal equipments which are subject to repair, test and inspection. These repair standards are documents which set forth the specific performance requirements and test standards to be applied to the individual equipments being repaired and tested.

Signal Corps Repair Standards are prepared for, and their use is mandatory by, fifth echelon Signal Repair Shops in the Continental United States, in determining the quality and acceptability of repaired signal equipments.

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SPECIFIC STANDARD FOR

TS-505A/U, TS-505B/U, AND MULTIMETER TS-505C/U, TS-505D/U

I. STATEMENT COVERING APPLICABILITY

This Specific Standard covers inspection requirements to be used in determining the quality and acceptability of repaired Electronic Multimeter TS-505/U, TS-505A/U, TS-505B/U, and Multimeter TS-505C/U, TS-505D/U.

II. APPLICABLE REFERENCES

- A. Repair Standards: Applicable paragraphs of Signal Corps Repair Standard No. REP-1001, General Standards for Repaired Signal Equipment, form a part of this Standard.
- B. Technical Publications: The following technical publication is applicable to this equipment:

Title	Number	Date
Electronic Multimeter TS-505/U Electronic Multimeters	TM 11-5511	8 June 1951
TS-505A/U and TS-505B/U, and Multimeters TS-505C/U and TS-505D/U	TM 11-5511A	25 August 1955

C. Modification Work Orders: All applicable Modification Work Orders pertaining to this equipment shall be performed.

III. TEST AND ADDITIONAL EQUIPMENT

The following equipments, or suitable equivalents, will be employed in determining compliance with the requirements of this Specific Standard.

A.	Tes	t Equipment	Stock Number	Quan	REP
	1.	Meter Test Set TS-682/GSM-1	6625-669-0747	1	
	2.	Resistor, Decade ZM-16/U	6625-669-0266	1	691

IV. REQUIREMENTS

- A. General Test Conditions: All tests shall be conducted under the following conditions:
 - 1. Tests shall be made at normal room temperature.
- 2. The equipment shall be allowed a warm up period of at least 20 minutes before tests are made.
- 3. The input power shall be within 105 to 125 volts 60 cycles, single phase.

b. Electrical Requirements:

1. Voltage Check.

- a. Each DC voltage range shall be checked at the full scale mark. The accuracy at each check point shall be ± 4% for TS-505/U and ± 5% for TS-505A,B,C, and D/U.
- b. Each AC voltage range shall be checked at 60 cycles at the full scale mark. The accuracy at each check point shall be ± 6% for all models.
- 2. Resistance Check. Each resistance range shall be checked at the center point (30 ohms on the 1000 ohm range) using ZM-16/U as a standard. The accuracy at each check point shall be ±5% of arc length for all models.

V. SUPERSEDURE

This issue of REP-329 supersedes REP-329, Issue #1, dated 3 November 1959.

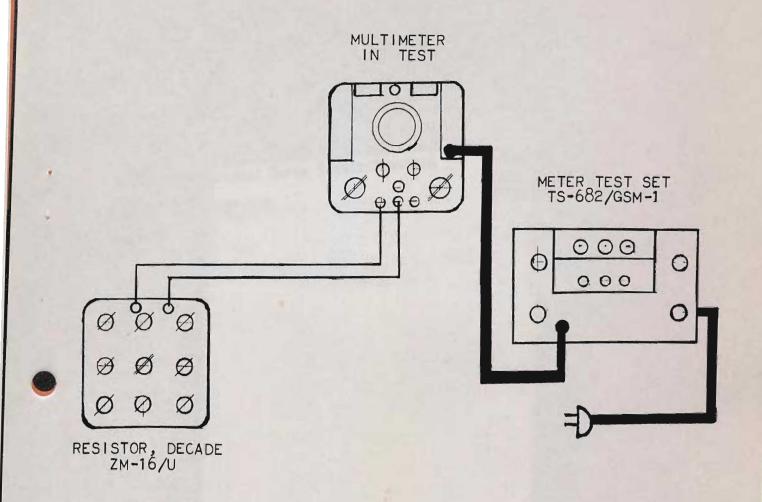
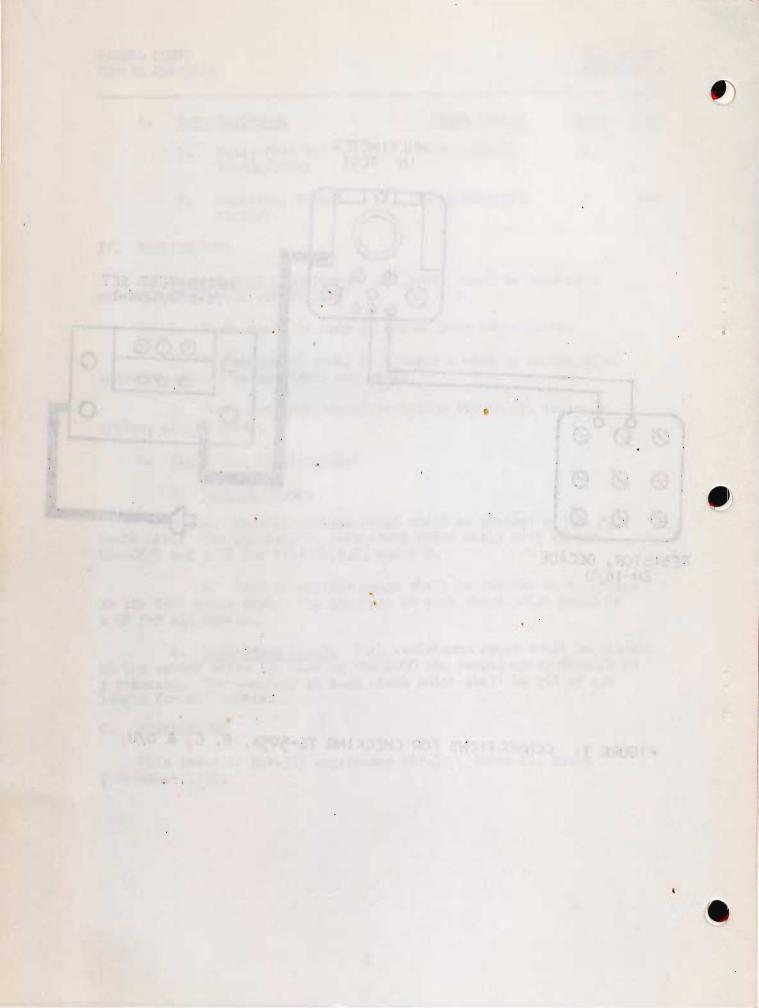


FIGURE 1. CONNECTIONS FOR CHECKING TS-505A, B, C, & D/U



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