

TOUCH-TONE CALLING SIGNAL

TO DIAL PULSE CONVERTER

Replaces: Section 170  
Dated: 8-20-64

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1. GENERAL

- 1.1 This section provides a method of performing of supplementary and operational tests of touch-tone to dial pulse converter, SD-26184-01.

NOTE: Remove connector to Touch-Tone Receiver before starting tests.

2. TEST EQUIPMENT

2.1 Test Sets and Accessories

<u>Amt</u>	<u>ITE</u>	<u>Description</u>
1	4029	Pulse Checking Set
1	4442	Volt-Ohmmeter
1	9598	Cord
1	9601	Cord

3. FUSING

- 3.1 Using ITE-4442 volt-ohmmeter verify that terminals 11, 12, 31 and 41, unit terminal, are free of battery. Install fuses A, B, C and D one at a time, verify that battery is present on the lower relay windings of ON, ON1, RR7 and resistance PG5.

4. DIAL PULSE GENERATOR

- 4.1 Locate the ITE-4029 test set near the converter under test, connect battery and ground to the A jack.
- 4.2 Connect test P jack to the converter as indicated on sheet F2 of SD-26184-01 for pulse timing requirements.
- 4.3 Calibrate the test set and verify that pulsing requirements are met, adjust PG4 and PG3 resistances where necessary.

5. OPERATIONAL TEST

- 5.1 Operation tests of the converter are covered through routine testing of subscriber senders at the originating sender test frame with the necessary keys operated. Routine testing of subscriber senders is performed in Section 162.1.

6. MISCELLANEOUS

- 6.1 Operate contact 4M of relay ON1, observe that relay TBL operates only when one, three or more RR relays are operated. Restore made contact of relay ON1.
- 6.2 With a test receiver connected to ground, verify that interrupted tone is present on terminal 55 of the unit "A" TS when relay TBL or TBL1 is operated.
- 6.3 Operate contact 2M, relay ON. Relay MTD operates. Observe with relay TBL operated lead MTD is grounded to score stuck sender peg count register and terminal 38 of unit "A" TS is grounded to stick the sender. Restore made contact of relay ON1 and restore TBL to normal.
- 6.4 Operate relay MF and verify that terminals 57 of unit "A" TS and 16 of unit "B" TS are grounded. Restore MF to normal.
- 6.5 Block operated relays STR and ASI. Verify that terminal 36 "B" TS is grounded. Remove blocking tools and restore circuit to normal.

*Lines Presented in Script Indicate  
New or Changed Information*

Manager, Crossbar Product Engineering  
Control Center

Reason for Reissue:  
To make corrections to Paragraph 6.

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