

W.B. REMOTE SWITCH
 TERMINATING TEST LINE

CONTENTS

- 1. GENERAL
- 2. TEST EQUIPMENT
- 3. TEST PREPARATION
- 4. TEST OPERATIONS, TERMINATING
- 5. TEST OPERATIONS, INCOMING

1. GENERAL

1.1 This section provides a method of testing SD-27930-01 W.B.R.S. Terminating Test Line Circuit at the remote location.

2. TEST EQUIPMENT

2.1 Test Sets

Amt	ITE	Description
1	4011	Miscellaneous Trunk Test Set
1	4442	Volt-Ohmmeter

2.2 Accessories

Amt	ITE	Description
1	9650	Telephone Set
3	8507	Alligator Clip

2.3 Cords

Amt	ITE	Lgth	Cdrs	One End	Other End
1	9639	12'	3	310 Plug	3 ITE-2455
5	9548	9"	1	ITE-2455	ITE-2455
2	9547	12'	1	ITE-2455	ITE-2455

3. TEST PREPARATION

3.1 Using the ITE-9548 cords, make the following patch cord setup for the ITE-4011 (See figure 1).

(RG) R to (TM) R1
 (RG) T to (TM) T1
 (TD) R to (TM) R2
 (TD) T to (TM) T2
 G1 to (T) L

3.2 Use the ITE-9547 cords to provide -48 battery and ground to the ITE-4011.

3.3 Connect ± 105 volt ringing current to jack RG.

3.4 Plug the 310 plug of the ITE-9639 into jack T.

3.5 Using alligator clips, connect the leads associated with the T, R, and S of the 310 plug as follows:

T	T.S(A)	pchg 23
R	T.S(A)	pchg 13
S	T.S(A)	pchg 53

3.6 Plug the ITE-9650 Tel Set into Tel jacks

4. TEST OPERATIONS, TERMINATING

4.1 Operate key STT. Relay L6 operates.

4.2 Apply ringing current to circuit under test by momentarily operating key RG.

4.3 R relay operates, in turn operating R1 relay which provides a 100 ohm shunt across the T & R to release the R relay.

4.4 With ringing current removed and the R relay released, the R2 relay operates through a 500 M.S. delay thermistor.

4.5 The R2 relay operated closes an operating path to the S relay. Operate key DB to provide battery on the Ring and ground on the Tip of the terminating test line. Relay S operates, operating S1, in turn operating S2.

4.6 1K Hz test tone is heard in ITE-9650 Tel Set.

4.7 Verify that tone is also present at T1 and R1 terminals of W.B. remote switch O, vertical 0, location of terminating test line.

4.8 Using a volt-ohmmeter, verify a 100 ohm (W option) or 110 ohm (V option) termination across T and R leads of terminating test line at WBRS-0, vertical 0.

- 4.81 After an optional time interval (see Note 102 of SD), verify that tone is removed from video transmit path and the 100 ohm shunt is removed from the video receive path.
- 4.82 At WBRS-0 vertical 0, verify that the operation of the T relay has provided continuity from T to T1 and R to R1 leads of transmit and receive pairs.
- 4.9 Release DB and STT keys at ITE-4011. Test line circuit returns to normal. Remove all connections.
5. TEST OPERATIONS, INCOMING
- 5.1 Plug a Tel Set into OR jack. Dial tone is heard.
- 5.2 Dial test center of central office or central office test line.
- 5.3 In case of line-busy or overflow, Tel Set must be reinserted for a new call.
- 5.4 If possible, have central office test center block operated T2 and T2A relays of ATL associated with Terminating Test Line under test. Steady high tone should be returned on next call.
- 5.5 Release T2 and T2A relay of ATL.

ATTACHMENT

Figure 1, Page 3

Manager, Crossbar Product Engineering
Control Center

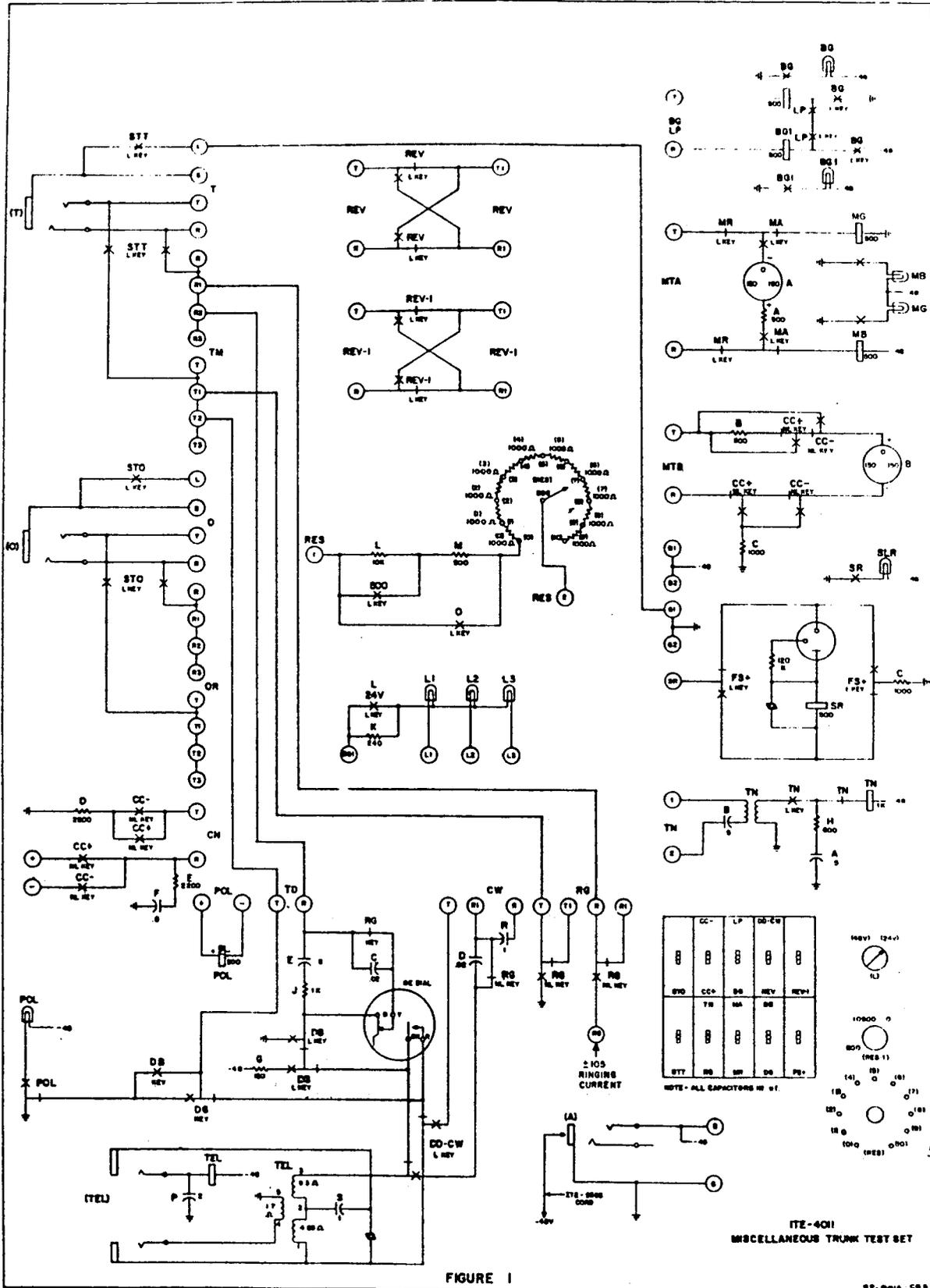


FIGURE 1

FIGURE 1