

WIDEBAND REMOTE SWITCH CROSSPOINTS

SD-27900-01

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1. GENERAL INFORMATION

1.1 This section outlines a test of the crosspoints on the Wide band Remote Switch circuit, SD-27900-01.

2. TEST EQUIPMENT

2.1 Test Sets

<u>Amt</u>	<u>ITE</u>	<u>Description</u>
1	4433	Universal Crosspoints and Continuity Test Set.

2.2 Cords

<u>Amt</u>	<u>ITE</u>	<u>Lgth</u>	<u>Cords</u>	<u>One End</u>	<u>Other End</u>
1	9598	12'	2	310 Plug	310 Plug
2	9775	12'	6	2-310 Plug	351A Plug
1	9962	12'	10	Jones 5312 CCT Socket	10 - ITE 2461 Sockets

2.3 Accessories

<u>Amt</u>	<u>ITE</u>	<u>Description</u>
10	4085	Clip Push-on Plug, Dummy
2	258C	

3. TEST SETUP

If the ITE-4433 has not been modified per TMS-4433, Issue 18A, temporarily modify the test set as follows.

At 4-6 jack - reverse the Tip and Sleeve leads
 At 6W jack - reverse the Tip and Sleeve leads

This will allow the hold magnets to operate over the Tip of the 4-6 and 6W jacks.

3.2 Patch -48V battery supply jack of test set to -48V battery supply using cord ITE-9598.

3.3 Using cord ITE-9962 equipped with 10 ITE-4085 push-on clips, connect test set plug SM to the upper winding terminals of relays AS-. Connect leads 0-9 of the cord to upper windings of relays AS 0-9 respectively.

3.4 Insert 258C Dummy Plug into jacks OT and OT1 at Wideband Remote Switch circuit.

3.5 Using cords ITE-9775 patch test set jacks T1-(4-6) and T2-6W to switch LAO as follows:

T2-6W to V00
 T1-(4-6) to V10

3.6 Operate test set switch SM to position G, operate keys A and 10L and set switch SEL to Position 3.

3.7 Remove relay DC from socket.

3.8 Insulate the "Off Normal" contacts 1,3 and 0,6 for Hold 01 of Switch LAO.

4. TEST OPERATIONS

4.1 Operate key ST. All levels associated with verticals under test are checked beginning with level 9. Lamps LEV 9-0 light as test progresses. When lamp EC lights, release key ST.

4.2 Move both ITE-9775 cords one vertical to the right. Repeat Paragraph 4.1.

4.3 Test remaining verticals of switch IA0 by moving cords one position to the right after each test.

- 4.4 When all verticals of switch LA0 have been tested, move ITE-9775 cords to verticals 00 and 10 of switch LA1. Repeat test operations of Paragraphs 4.1 - 4.3.
- 4.5 Check crosspoints on switches LA2 and LA3 in a similar manner, moving ITE-9775 cords to each switch as required.
- 4.6 After the LA0-3 switch crosspoints have been checked, move ITE-9962 cord from the windings of relays AS 0-9 to the windings of relays BS 0-9.
- 4.7 Check crosspoints on switches LB0-3 in a similar manner to switches LA0-3, with cords T1 and 2 first in V00 and 10 then moving them one vertical to the right after each test.
- 4.8 After testing all crosspoints, replace relay DC, remove 258C dummy plugs, reconnect the Tip and Sleeve leads correctly at the 4-6 and 6W jacks, and restore "Off Normal" contacts to Normal.

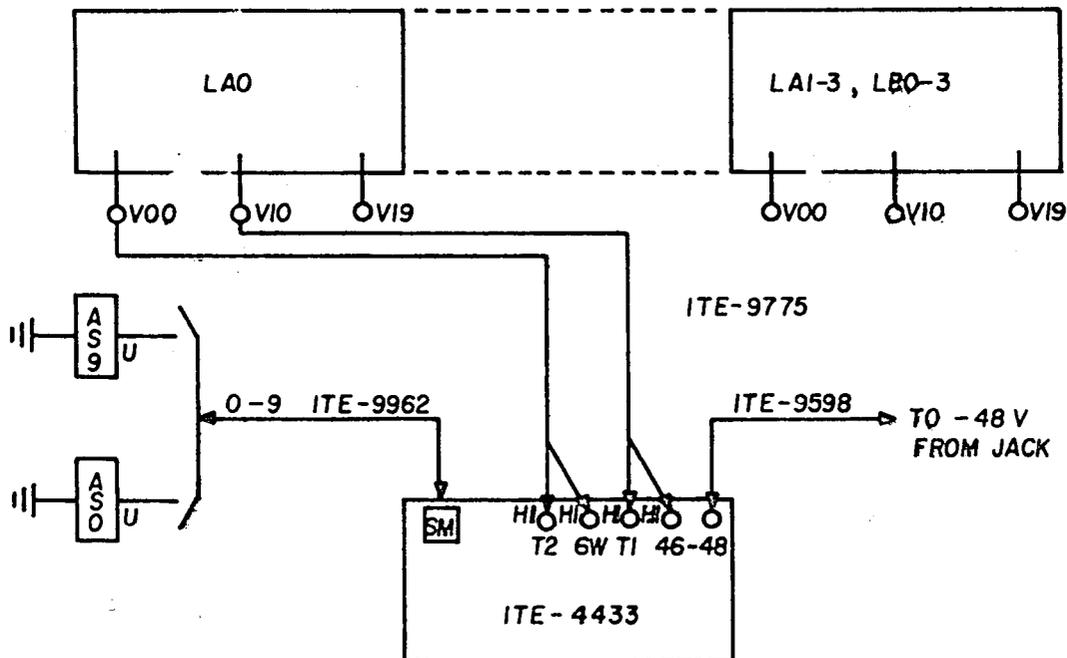


FIG. 1
Connections for Crosspoint Test

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