

DISCRIMINATING CIRCUIT TESTS  
 USING TEST CIRCUIT SD-64759-01  
 TOLL SWITCHBOARD NO. 1B

1. GENERAL

- 1.01 This section describes a method of testing the discriminating circuit associated with toll switchboard No. 1B, using test circuit SD-64759-01 and portable control set J64725A.
- 1.02 Routine tests should be made during periods of light traffic.

2. APPARATUS

- 2.01 Test circuit SD-64759-01 (including portable control set J64725A).
- 2.02 Four P3E cords each equipped with two No. 310 (or No. 110) plugs. (3P7A)
- 2.03 No. 893 cord equipped with two No. 360A tools (1W13B), one No. 361B relay winding connector and one No. 365 connecting clip. (For non-call distribution only.)

3. PREPARATION

- 3.01 If all of the plug circuits at the position associated with the discriminating circuit to be tested connect to a call distribution system, operate the POS BY key and connect an operator's telephone set to the position.
- 3.02 If some or all of the plug circuits at the position associated with the discriminating circuit to be tested do not connect to a call distribution system, connect ground to the RT winding of the RA relay of the discriminating circuit, using the No. 893 cord equipped with the relay winding connector and the connecting clip for this purpose. Under this condition the operator's telephone set should not be connected to

the position. Trunk circuits not arranged for position indicating and associated with positions not provided with position vacated tone should be removed from service if traffic conditions so require.

3.03 Patch the 12 conductor plugs 1 and 2 of the portable control set to the 12 conductor receptacle plugs 1 and 2 respectively of the discriminating circuit to be tested.

3.04 Using P3E cords, patch jacks A, B, C and D of the discriminating test circuit to jacks A, B, C and D respectively of the discriminating circuit to be tested.

4. METHOD

- 4.01 Referring to Table I, operate the keys indicated as "X" and operated momentarily the keys indicated as "(X)" corresponding to one of the features for which the discriminating circuit under test is wired.
- 4.02 Operate the ST key. Note that the lamps corresponding to the particular test flash or light as indicated in Table I.
- 4.03 Restore the ST key. Note that the lamps go out. Restore other operated keys.
- 4.04 Repeat the tests described in paragraphs 4.01, 4.02 and 4.03 successively for each of the features for which the discriminating circuit under test is wired.
- 4.05 Operate the MIN key and repeat the tests described in paragraphs 4.01, 4.02, 4.03 and 4.04 (except tests involving the operation of the IRD key).
- 4.06 At the conclusion of the tests, restore all keys and remove all cords.

TABLE I

<u>Type of Connection</u>	<u>Keys - See Note A</u>									<u>Lamps - See Note B</u>						
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>HB</u>	<u>NR</u>	<u>IRD</u>	<u>CLR</u>	<u>TK</u>	<u>PS</u>	<u>OT</u>	<u>T</u>	<u>R</u>	<u>TH</u>	<u>SV</u>	<u>CT</u>
Partial Plug Up - To Other than R.D. Toll Line	-	-	-	-	-	-	-	-	-	2	2	-	-	-	L	-
Overflow - Busy Back - Reorder - From No. 1 CLR	X	-	-	-	-	-	-	X	-	M	M	-	L	L	L	-
Overflow - Busy Back - Reorder - From Other than No. 1 CLR	X	-	-	-	-	-	-	-	-	M	M	-	L	-	L	-

TABLE I (CONT'D)

Type of Connection	Keys - See Note A								Lamps - See Note B							
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>HB</u>	<u>NR</u>	<u>IRD</u>	<u>CLR</u>	<u>TK</u>	<u>PS</u>	<u>OT</u>	<u>T</u>	<u>R</u>	<u>TH</u>	<u>SV</u>	<u>CT</u>
S.F. Toll Trk. from No. 1 CLR	X	-	-	X	-	-	-	X	-	M	M	-	-	-	L	L
S.F. Toll Trk. from Other than No. 1 CLR	X	-	-	X	-	-	-	-	-	M	M	-	-	L	L	L
R.D. Toll Trk. from No. 1 CLR	-	-	-	-	-	-	X	X	-	2	M	2	-	-	L	L
Non Ring - Not Thru Recall	-	-	-	-	-	(X)	X	X	-	M	M	-	-	-	L	L
Non Ring - Thru Recall	-	-	-	-	-	(X)	-	-	-	M	M	-	-	L	L	L
R.D. Toll Trk. from Other than No. 1 CLR	-	-	-	-	-	-	X	-	-	2	M	2	-	L	L	L
Interposition Trk.	X	X	-	X	-	-	-	-	X	M	M	M	L	-	L	L
Supv. Trk.	-	-	X	-	X	-	-	-	-	2	M	2	L	-	L	L
Check of Spare Marks	Any combination								M	M	-	-	-	L	L	

## NOTES:

- A. "X" indicates key operated.  
"(X)" indicates key operated momentarily.
- B. "L" indicates lamp lighted until ST key is released.  
"M" indicates lamp lighted momentarily.  
"2" indicates lamp lighted approximately 2 seconds.

5. RECORDS

- 5.01 The required record of this routine should be entered on the proper form.

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