

MISCELLANEOUS POSITION TESTS

TOLL SWBD. NO. 1B

1. GENERAL

1.01 This section describes the testing of busy test relays and grouping circuits. The tests are as follows:

- (A) Busy Test Relay
- (B) Grouping - Trunks from No. 1 Toll Swbd. In Same Building
- (C) Grouping - Trunks from No. 3 or No. 3C Swbd. In Same Building
- (D) Grouping - Trunks from Distant Office - Non-Call Distribution
- (E) Grouping - Plug and Position Circuits Associated with Call Distribution Equipment

1.02 Only one of tests (B), (C), (D) and (E) need be made at each position.

1.03 Tests (B) and (C) require the assistance of a person at the distant switchboard.

1.04 Tests (D) and (E) require the assistance of a person in the terminal room.

2. APPARATUS

2.01 The apparatus required for each test is shown in the following list. The details for each item are covered in the indicated paragraphs.

Apparatus	Tests				
	(A)	(B)	(C)	(D)	(E)
Test Circuit (2.02)	1	-	-	-	-
Test Circuit (2.03)	-	1	1	1	1
Test Trunk (2.04)	-	-	1	1	1
Patching Cord (2.05)	-	-	-	2	2
Patching Cord (2.06)	-	-	1	1	1
No. 184 Plug	-	-	-	2	2
Operators Telephone Set	1	1	1	1	1
Testing Telephone Circuit (2.07)	1	-	-	1	1
2.02 Test Circuit SD-61423-01, Fig. 10 or SD-62140-02, Fig. 7.					
2.03 Test Circuit SD-61423-01, SD-62140-01, SD-62140-02, SD-62148-01, SD-62218-01, SD-62359-01, SD-62646-01, or SD-64468-01.					
2.04 Test Trunk SD-64735-01, Fig. 5.					
2.05 One P3E Cord equipped with No. 110 Plugs (3P6B). Used at relay rack.					

2.06 One P3D Cord equipped with No. 109 Plugs (3P3A) at 92 jack switchboards or one P3E Cord equipped with No. 110 plugs (3P6B) at 49 jack switchboards.

2.07 Testing and Maintenance Telephone Circuit SD-64855-01.

3. PREPARATION

3.01 Before any test can be made at a given position the following preparations must be made.

3.02 When the plug circuits are associated with trunks incoming from a No. 1, No. 3 or No. 3C switchboard in the same building, a talking circuit shall be set up between the No. 1B Swbd. position to be tested and the No. 1, No. 3 or No. 3C Swbd., using regular trunk and plug circuits.

3.03 When the plug circuits are associated with trunks incoming from a distant office, a talking circuit shall be established between the relay rack and the position by patching the TEL jack of the telephone circuit to the MA or TR jack associated with a plug circuit of the position to be tested, using a P3E cord and inserting a No. 184 plug into the associated MB or ST jack.

3.04 When a POS BY key is provided at the position under test, it should be operated and all incoming trunks to the position under test, not arranged for call distribution or position indicating, should be removed from service. When a POS BY key is not provided, all incoming trunks to the position under test should be removed from service.

4. METHOD

(A) Busy Test Relay

At the No. 1B Swbd.

4.01 Insert the plug of an operators telephone set into the telephone set jacks of the switchboard position to be tested.

4.02 Operate the TK key associated with the plug circuit used for talking and instruct the assistant at the other end to patch up the circuit to be tested.

At the No. 1 Toll, No. 3 or No. 3C CLR Swbd- Trunks Incoming from Office in Same Building

4.03 Insert the plug of a cord circuit into the OGT jack of a trunk associated with the position to be tested.

At the Relay Rack - Trunks Incoming From Distant Office

4.04 Insert a No. 184 plug into the MB or ST jack associated with a plug circuit of the position to be tested.

At the No. 1B Swbd.

4.05 When a busy test circuit SD-61423-01, Fig. 10 or SD-62140-02, Fig. 7 is provided, touch the tip of the plug associated with the flashing CN lamp to the sleeve of the BT or REC jack respectively. Otherwise touch the tip of the plug to the sleeve of an adjacent plug.

4.06 A distinct click should be heard in the operators telephone receiver.

4.07 Operate the TK key associated with the plug circuit used for talking and instruct the assistant to remove the plug.

4.08 Remove the operators telephone set from the position.

(B) Grouping - Trunks from No. 1 Toll Swbd. In Same Building

At the Test Circuit

4.09 Operate the JK key when provided.

At the No. 1B Swbd.

4.10 Operate the TK key associated with the plug circuit used for talking and instruct the assistant at the No. 1CLR Swbd. to patch up the test circuit as required.

At the No. 1 CLR Swbd.

4.11 Patch the TRK jack of the test circuit to the OGT jack associated with a trunk to the position to be grouped, using a cord circuit.

At the No. 1B Swbd.

4.12 Operate the GR key in the position to be grouped and connect an operators telephone set in the adjacent higher numbered position.

4.13 Tone should be heard in the telephone set.

4.14 Touch the tip of the plug, associated with the flashing lamp in the grouped position, to the sleeve of an adjacent plug.

4.15 A click should be heard in the operators receiver.

4.16 Operate the TK key associated with the plug circuit used for talking and instruct the assistant to remove all test connections.

4.17 Remove the telephone set from the position.

4.18 Repeat 4.10 to 4.17 inclusive on every two adjacent positions.

(C) Grouping - Trunks from No. 3 or No. 3C Swbd. in the Same Building

At the Test Circuit

4.19 Operate the JK key when provided.

At the No. 1B Swbd.

4.20 Operate the TK key associated with the plug circuit used for talking and instruct the assistant at the No. 3 or No. 3C Swbd. to patch as required.

At the No. 3 or No. 3C CLR Swbd.

4.21 Patch the TT jack of the test trunk to the OGT jack associated with a trunk to the position to be grouped, using a cord circuit.

At the No. 1B Swbd.

4.22 Patch the TT jack of the test trunk to the TRK jack of the test circuit using a P3D cord.

4.23 Proceed as covered in 4.12 to 4.17 inclusive.

4.24 Repeat 4.19 to 4.23 inclusive on every two adjacent positions.

(D) Grouping - Trunks From Distant Office - Non-Call Distribution

At the Test Circuit

4.25 Operate the JK key when provided.

At the No. 1B Swbd.

4.26 Operate the TK key associated with the plug circuit used for talking and instruct the assistant at the relay rack to patch as required.

At the Relay Rack

4.27 Patch the TT jack of the test trunk to the TR jack associated with a trunk to the position to be grouped, using a P3E cord.

4.28 Insert a No. 184 plug into the associated ST jack.

At the No. 1B Swbd.

4.29 Patch the TT jack of the test trunk to the TRK jack of the test circuit using a P3E or a P3D cord.

4.30 Proceed as covered in 4.12 to 4.17 inclusive.

4.31 Repeat 4.25 to 4.30 inclusive on every two adjacent positions.

(E) Grouping - Plug and Position Circuits Associated With Call Distribution Equipment

At the Test Circuit

4.32 Operate the JK key, when provided.

At the No. 1B Swbd.

4.33 Operate the TK key, associated with the plug circuit used for talking and instruct the assistant at the relay rack to patch as required.

At the Relay Rack

4.34 Patch the TT jack of the test trunk to the MA jack of the primary secondary crossbar switch associated with a plug circuit to the position to be grouped, using a P3E cord.

4.35 Insert a No. 184 plug into the associated MB jack.

At the No. 1B Swbd.

4.36 Patch the TT jack of the test trunk to the TRK jack of the test circuit using a P3E or P3D cord.

4.37 Proceed as covered in 4.12 to 4.17 inclusive.

4.38 Repeat 4.32 to 4.37 inclusive on every two adjacent positions.

5. REPORTS

5.01 The required record of these tests shall be entered on the proper form.

Bell Telephone Laboratories, Inc.