PEG COUNT CIRCUITS
NO. 1. OFFICES

1. GENERAL

1.01 This section outlines the following tests on position peg count circuits in No. 1 offices.

(a) Subscribers' and Call Circuit Trunk Positions.

(b) Straightforward Automatic Listening Trunk Positions.

(c) Panel Automatic Display Call Indicator Trunk Positions.

(d) Panel Key Display Call Indicator Trunk Positions.

1.02 The tests outlined herein should be made during periods of practically no traffic in order to insure the accuracy of the test and to avoid interferance to service.

1.03 Any subscriber's call which may be routed over the trunk position under test should be referred to a supervisor.

1.04 The tests of position peg count circuits for step-by-step call indicator positions are described in Section A230.463.

2. APPARATUS

Test (a)

2.01 1-A Peg Count Checking Set.

Test (b)

2.02 Operator's Telephone Set.

Test (c)

2.03 Two No. 136-B Tools. (Relay Blocking Tools.)

3. PREPARATION

3.01 Record the position number together with the associated register reading of each position upon which this test is to be made.

3.02 Advise the Traffic Department that an operation test of peg count circuits is to be made. If panel call indicator or straightforward trunk positions are to be tested, request that a record be kept of the number of connections completed at each of these occupied positions.

3.03 When testing peg count registers, operate the PC key (associated with the registers being tested) located in the peg count register cabinet, to its "battery on" position.

3.04 After completing tests of all peg count circuits to be tested, again take the readings of all position registers. Note that each register has operated properly and report to the Traffic Department the number of times each register has been operated.

4. METHOD

(a) Subscribers' and Call Circuit Trunk Positions

4.01 Insert the BAT cord plug of the peg count checking set into the battery jack of the chief operators' desk and record the reading of the register in the peg count checking set.

4.02 Insert the MON cord plug of the peg count checking set into the monitoring jack of the position under test and depress the peg count key associated with the position under test five times.

4.03 Observe that the register in the peg count checking set has been advanced five times.

4.04 Perform the operations described in paragraphs 4.02 and 4.03 on each position to be tested.

4.05 Restore the PC key (associated with the registers being tested) located in the peg count register cabinet to its "battery off" position, and record the register readings. The number of test registrations for each position register should be five.

(b) Straightforward Automatic Listening Trunk Positions

4.06 Select five trunk circuits terminating on the position to be tested and arrange with the distant office to insert a subscriber's cord circuit plug into each jack at the outgoing trunk end, thus lighting the associated guard lamps.

4.07 Arrange the splitting keys so as to divide the position to be tested into a one-position unit and insert the plug of an operator's telephone set into the operators' telephone circuit jacks. Observe that one of the trunks is connected to the operator's control circuit as indicated by a flashing guard lamp. The guard lamp of the other four trunks should be lighted steadily.

4.08 Depress the release key associated with the position under test. The flashing guard lamp should change to a steady signal and the peg count register should operate. The guard lamp of the next trunk should change from a steady to a flashing signal.

4.09 Repeat the operations described in paragraph 4.08 on each of the four remaining trunks and restore the position to normal.

4.10 Perform the operations described in paragraphs 4.06 to 4.09 on each position to be tested.

4.11 Restore the PC key (associated with the registers being tested) located in the peg count register cabinet to its " battery off " position, and record the register readings. The number of test registrations for each position register should be five.

(c) Panel Automatic Display Call Indicator Trunk Positions

4.12 To test the call indicator register of a position, block the OT2 relay in the position control circuit operated and manually operate for approximately one second the OT1 relay. Then release the OT1 relay for approximately one second. Repeat, until five operations have been made in this manner.

4.13 To test the straightforward register associated with the position, block the OT2 and SF relays in the control circuit operated and manually operate the OT1 relay for approximately one second. Then release the OT1 relay for approximately one second. Repeat, until five operations have been made in this manner.

4.14 Perform the operation described in paragraphs 4.12 and 4.13 on each position to be tested. The blocking tools should be removed from the OT2 and SF relays immediately after the test on each position is completed.

4.15 Restore the PC key (associated with the registers being tested) located in the peg count register cabinet to its " battery off " position and record the register readings. The number of test registrations for each position register should be five.

(d) Panel Key Display Call Indicator Trunk Positions

4.16 Operate for approximately one second, the home display key. Then release the home key for approximately one second. Repeat, until five operations have been made in this manner.

4.17 Perform the operations described in paragraph 4.16 on each position to be tested.

4.18 Restore the PC key (associated with the registers being tested) located in the peg count register cabinet to its " battery off " position and record the register readings. The number of test registrations for each position register should be five.

5. REPORTS

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