

TRUNKS TO ATTENDANT CONNECTORS  
INCLUDING TESTS OF ATTENDANT CONNECTORS  
OPERATION TESTS  
606A OR 606B PBX

1. GENERAL

1.01 This section describes a combined operation test of outgoing attendant's connector trunks and the associated distant 2-wire attendant's connectors, an operation test of 3-wire attendant's connectors, and tests of the idle trunk indicating features of the 2-wire trunks and the 3-wire attendant's connectors. All tests are conducted at an attendant's position.

1.02 This section has been reissued to change the title for clarification purposes and convert it to letter size.

1.03 The tests covered are:

- (A) Busy Line Test
- (B) Idle Line Test
- (C) Idle Trunk Indicating Features—Trunks to 2-Wire Attendant's Connectors
- (D) Idle Trunk Indicating Features—3-Wire Attendant's Connectors

1.04 Test line circuit SD-66533-01 is employed in making these tests and is connected to terminal 99 except in the case of rotary hunting connectors. In rotary hunting groups terminal 99 is permanently made busy and the test line is connected to terminal 90.

1.05 Tests (A) and (B) are based on the use of the following cord circuit test line circuits:

No. 606A P B X—SD-66236-01

No. 606B P B X—SD-66625-01

1.06 Tests (C) and (D) should be made during periods of light traffic to avoid interference to service since all of the trunks in a connector group will be made busy at one time. They should be made at different positions on successive tests.

2. APPARATUS

2.01 Attendant's Telephone Set.

3. PREPARATION

Tests (A), (B), (C) and (D)

3.01 Connect the attendant's telephone set to the telephone circuit jacks of the position at which the tests are to be conducted.

Tests (C) and (D) only

3.02 Establish a talking circuit to an assistant at the connector frame over one of the trunks to be tested.

4. METHOD

(A) Busy Line Test

4.01 Make the test line associated with the connector multiple busy as follows: Insert the front plug of a cord into the jack of an idle trunk or attendant's connector circuit. Operate the talk and dial key and dial 99. Restore the talk and dial key.

4.02 Using another cord, insert the rear plug into the C1 jack (No. 606A P B X) or the FC jack (No. 606B P B X) of the test line circuit at the switchboard.

4.03 Make a sleeve busy test in the usual manner and if the trunk or attendant's connector to be tested is idle insert the front plug of the cord into the jack.

4.04 Operate the talk and dial key and dial 99. Observe that the front cord supervisory lamp flashes at the rate of 60 I.P.M. but that no tone is heard. Remove the front plug from the jack of the circuit under test.

4.05 Repeat 4.03 and 4.04 on each trunk or connector to be tested for the busy line feature. Restore the talk and dial key and remove the test connections.

(B) Idle Line Test

4.06 Insert the rear plug of a cord into the C1 jack (No. 606A P B X) or FC jack (No. 606B P B X) of the test line circuit at the switchboard.

4.07 Make a sleeve busy test in the usual manner and if the trunk or attendant's connector to be tested is idle insert the front plug of the cord into the jack.

4.08 Operate the talk and dial key and dial 99. Note that the test line interrupted tone is heard. Observe that the front cord supervisory lamp flashes in synchronism with the tone interruptions. Remove the front plug from the jack of the circuit under test.

4.09 Repeat 4.07 and 4.08 on each trunk or connector to be tested for the idle line feature. Restore the talk and dial key and remove the test connections.

(C) Idle Trunk Indicating Features—Trunks to 2-Wire Attendant's Connectors

4.10 Insert the front plug of a cord into a jack of the trunk on which the associated idle trunk indicating lamp is lighted. Observe that the idle trunk indicating lamp is extinguished and that another idle trunk indicating lamp in the same group lights.

4.11 Operate the talk and dial key and dial 99. Request the assistant to insert a No. 375A make-busy tool between test jack springs 3 and 4 of the attendant's connector associated with the trunk being tested. Restore the talk and dial key.

4.12 Remove the front plug from the trunk jack. Observe that the associated idle trunk indicating lamp does not light. After several seconds, request the assistant to remove the No. 375A tool from the connector test jack to release the connector. Observe that the associated idle trunk indicating lamp then lights.

Note: The idle trunk indicating lamps associated with a group of trunks are arranged to light in successive order starting with the first idle trunk of the group. If the tests are started at some trunk other than the first one of a group and the trunks in the chain preceding the one under test become idle, make these trunks busy before the assistant releases the connector.

4.13 Insert the front plug of an idle cord into a jack of the trunk to hold it busy and advance the idle trunk indicating lamp chain circuit.

4.14 Repeat 4.10 to 4.13 on each trunk of the group being tested. Observe that none of the idle trunk indicating lamps of the group are lighted and immediately remove the plug from the jack of the last trunk in the group. Observe that the idle trunk indicating lamp of this trunk lights. Proceed immediately with 4.15 and 4.16.

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4.15 Remove the plug from the jack of the next lower trunk in the group. Observe that the associated idle trunk indicating lamp lights and that the previously lighted lamp is extinguished.

4.16 Repeat 4.15 until all of the plugs have been removed.

### (D) Idle Trunk Indicating Features—3-Wire Attendant's Connectors

4.17 Request the assistant to manually raise and hold the shaft of the attendant's connector under test far enough to operate the off-normal springs. Observe that the associated idle trunk indicating lamp is extinguished and that another idle trunk indicating lamp in the same group is lighted.

4.18 Make the attendant's connector which is being held off-normal busy by inserting the front plug of a cord circuit into the associated jack. Request the assistant to release

the shaft of the connector. Observe that the idle trunk indicating lamp of the circuit under test remains extinguished.

4.19 Repeat 4.17 and 4.18 until all of the attendant's connectors in the group are held busy from the switchboard. Observe that none of the idle trunk indicating lamps in the group are lighted and immediately remove the plug from the jack of the last trunk of the group. Proceed at once with 4.20 and 4.21.

4.20 Remove the plug from the jack of the next lower attendant's connector circuit in the group and observe that the associated idle trunk indicating lamp lights and that the previously lighted lamp is extinguished.

4.21 Repeat 4.20 until all of the plugs have been removed.

### 5. REPORTS

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