

ATTENDANT 3-WIRE CONNECTORS
SD-66663-01 AND SD-66664-01
OPERATION TESTS
702A PBX

1. GENERAL

1.01 This section describes a method of testing the operating features of attendant's 3-wire connectors SD-66663-01 and SD-66664-01 by means of test set SD-90416-01.

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—Leak
- (B) Idle Line Test—Loop

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. The hunting feature of the connector is checked by directing the switch to terminal 99 and having it step to terminal 90.

2. APPARATUS

2.01 Test Set J94704A (SD-90416-01).

2.02 Attendant's Telephone Set.

2.03 P3C Cord, 10 feet long equipped with one No. 310 Plug and one No. 240A Plug (3P2A Cord). Strap terminals 3 and 4 of the No. 240A Plug.

2.04 Two P3E Cords, each six feet long equipped with two No. 310 Plugs (3P7A Cord).

2.05 D-81763 Dial Hand Test Set equipped with a D-96823 Slider.

3. PREPARATION

3.01 Connect the BAT-G jack of the test set to the 48-volt battery supply jack on the connector frame, using a P3E cord.

3.02 Connect the TL jack of the test set to the TL jack of the test line on the connector frame, using a P3E cord.

3.03 Connect the attendant's telephone set to the TEL jacks of the test set or the dial hand test set to the HS jacks of the test set. If the dial hand test set is used, operate and

lock the C button with the D-96823 slider, operate the HS key and use the dial hand test set dial instead of the test set dial in making tests.

3.04 Insert the No. 310 Plug of the P3C cord into the T jack of the test set.

4. METHOD

4.01 Observe that the switch is normal. Insert the No. 240A plug into the connector test jack. No busy indication will be given to the tester at this time. It is therefore necessary to wait a few seconds so that if an attendant has previously seized the connector she will have time to dial a number. If the connector does not step it is to be assumed that it has not been seized at the switchboard.

(A) Busy Line Test—Leak

4.02 Operate the LK key and dial 99. Observe that the BSY lamp lights at the completion of stepping and that the switch stops on terminal 99 if it is a regular connector or on terminal 90 if it is a rotary hunting connector.

4.03 Operate the CT key. Observe that the REV lamp flashes at 60 I.P.M.

4.04 Release the CT key. Operate and release the SL key and observe that the switch releases. Restore the LK key. Remove the No. 240A plug from the test jack unless other tests are to be conducted on this switch.

(B) Idle Line Test—Loop

4.05 Proceed as in 4.01.

4.06 Operate the TT, ID and 300 keys. Dial 99 and observe that the BSY lamp lights at the completion of stepping. Note that the test line interrupted tone is heard.

4.07 Operate and release the SL key. Observe that the BSY lamp is extinguished and the switch restores to normal. Restore the TT, ID and 300 keys. Remove the No. 240A plug from the test jack.

5. REPORTS

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