

**ATTENDANT 3-WIRE CONNECTORS
SD-66643-01 AND SD-66644-01
OPERATION TESTS
702A PBX**

1. GENERAL

- 1.01 This section describes methods of testing the operating features of attendant's 3-wire connectors SD-66643-01 and SD-66644-01 by means of trunk test sets SD-90469-01 or SD-90469-02, or 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—Using Trunk Test Sets SD-90469-01 or SD-90469-02
 - (B) Idle Line Test—Loop—Using Trunk Test Sets SD-90469-01 or SD-90469-02
 - (C) Busy Line Test—Leak—Using Test Set SD-90416-01
 - (D) Idle Line Test—Loop—Using Test Set SD-90416-01
- 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 Trunk Test Set J94710A (SD-90469-01 or SD-90469-02), or Test Set J94704A (SD-90416-01).
- 2.02 Attendant's Telephone Set.
- 2.03 A locally assembled cord consisting of a P3C Cord equipped with one No. 310 Plug and one No. 240F Plug and E1 Lamp. Leave the sleeve lead to the No. 310 Plug disconnected and strap the lamp socket terminals to terminals 3 and 4 of the No. 240F 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. When using test set SD-90416-01 the D-81763 dial hand test set may be used instead of the attendant's telephone set. If the dial hand test set is used operate and lock the C button with the D-96823 slider, connect the set to the HS jacks of the test set, 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. 240F plug into the connector test jack. If the lamp on the No. 240F plug lights, immediately withdraw the plug and defer the test until the circuit is idle.
- (A) **Busy Line Test—Leak—Using Trunk Test Sets SD-90469-01 or SD-90469-02**
 - 4.02 Operate the LK and DL ST keys and dial 99. Observe that the lamp on the No. 240F plug lights at the completion of stepping, and that the switch stops on terminal 99 if it is a regular connector or terminal 90 if it is a rotary hunting connector.
 - 4.03 Operate the CT key and observe that the C lamp flashes at 60 I.P.M.
 - 4.04 Release the CT key and observe that the C lamp is extinguished. Remove the No. 240F plug from the test jack and observe that the switch restores to normal. Restore the LK and DL ST keys.
 - (B) **Idle Line Test—Loop—Using Trunk Test Sets SD-90469-01 or SD-90469-02**
 - 4.05 Proceed as in 4.01.
 - 4.06 Operate the ID, 300 and DL ST keys. Dial 99 and observe that the lamp on the No. 240F plug lights at the completion of stepping. Note that the test line interrupted tone is heard.
 - 4.07 Remove the No. 240F plug from the test jack and observe that the switch restores to normal. Restore the ID, 300 and DL ST keys.
 - (C) **Busy Line Test—Leak—Using Test Set SD-90416-01**
 - 4.08 Proceed as in 4.01.
 - 4.09 Operate the LK key and dial 99. Observe that the lamp on the No. 240F plug 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.
 - 4.10 Operate the CT key and observe that the REV lamp flashes at 60 I.P.M.
 - 4.11 Release the CT key and observe that the REV lamp is extinguished. Remove the No. 240F plug from the test jack and observe that the switch restores to normal. Release the LK key.
 - (D) **Idle Line Test—Loop—Using Test Set SD-90416-01**
 - 4.12 Proceed as in 4.01.
 - 4.13 Operate the ID, TT and 300 keys. Dial 99 and observe that the lamp on the No. 240F plug lights at the completion of stepping. Note that the test line interrupted tone is heard.
 - 4.14 Remove the No. 240F plug from the test jack and observe that the switch restores to normal. Restore the ID, TT and 300 keys.
- 5. REPORTS**
- 5.01 The required record of these tests should be entered on the proper form.