

2-WAY POSITION TRUNK SD-65818-01  
FOR USE WITH ATTENDANT TELEPHONE SET  
WITH OR WITHOUT NIGHT SERVICE  
OPERATION TESTS

701B PBX

1. GENERAL

1.01 The tests covered are:

**A. Call To 2-Way Position Trunk From Selector Level:** This test checks seizure from selector, attendant answer, completion to station, transfer, hold, attendant disconnect, delayed toll call, toll operator re-ring, and station disconnect.

**B. Night Service:** This test checks the seizure from selector, station answer, hold, calling party disconnects first, called party disconnects first, calling party disconnects when called party does not answer, and night attendant disconnects without extending call.

1.02 The tests shall be made at a time when the normal operation of the PBX will not be affected.

1.03 The tests require action and verification at the telephone console, unit under test, and night attendant position.

1.04 The attendant position (telephone console) equipped with 2-way position trunk (SD-65818-01) may be a special position intended primarily for use in connection with delayed long distance and conference calls or may be a regular position equipped with 2-way position trunks.

1.05 When a step requires that a key be depressed, the key is nonlocking and should be momentarily depressed, then released.

1.06 The night attendant position is usually a 6-button key telephone set, however, a console may be used as a night attendant position.

1.07 When performing these tests the trunk traffic register will operate. Local instructions should be followed for reporting the operation of this register.

1.08 In Test B the KEY in the ACTION and VERIFICATION columns is the illuminated pick-up key (trunk key) associated with the trunk under test.

1.09 The designations shown in parentheses in Part 4 are designations for the 8A type telephone console.

1.10 **Lettered Steps:** A letter a, b, c, etc, added to a step number in Part 4 of this section, indicates an action which may or may not be required depending on local conditions. The condition under which a lettered step or a series of lettered steps should be made is given in the ACTION column, and all steps governed by the same conditions are designated by the same letter within a test. Where a condition does not apply, all steps designated by that letter should be omitted.

2. APPARATUS

2.01 1011G handset (dial hand test set) equipped with a 2W39A cord assembly consisting of a W2CL cord, 471A jack, and 240A plug.

2.02 Two 500-type telephone sets, or equivalent.

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**3. PREPARATION**

<b>STEP</b>	<b>ACTION</b>	<b>VERIFICATION</b>
<b>Tests A, B</b>		
1	Operate handset switch to MON and switch on cord to ON.	
2	At attendant outgoing selector unit — Connect handset to TST jack.	
3	Connect two 500-type telephone sets to spare line terminals at distributing frame. These are referred to as stations A and B.	

**4. METHOD**

<b>STEP</b>	<b>ACTION</b>	<b>VERIFICATION</b>
<b>A. Call To 2-Way Position Trunk From Selector Level</b>		
4	Operate handset switch to TALK.	
5	Dial digits which will cause the selector to seize the trunk to be tested.	Audible ringing tone heard. At telephone console — SRC (TRK) lamp flashes at 60 ipm. Audible alarm sounded.
6	Attendant answers.	SRC (TRK) lamp steadily lighted. Audible alarm retired. PICK-UP lamp steadily lighted. At handset — Audible ringing tone silenced.
7	At attendant outgoing selector unit — Disconnect handset from TST jack.	At telephone console — SRC (TRK) lamp extinguished.
8	At telephone console — Key digits of station A.	DEST (STA) lamp flashes at 30 ipm. Audible ringing tone heard. At station A — Bell rings.
9	At station A — Remove handset from switch hook.	Ringing tripped. At telephone console — DEST (STA) lamp lighted. Audible ringing tone silenced. Conversation satisfactory.
10	At telephone console — Momentarily depress KPR key.	KPR lamp lighted.
11	Key digits of station B.	Audible ringing tone heard. SRC (TRK) lamp flashes at 30 ipm. KPR lamp extinguished. At station B — Bell rings.

STEP	ACTION	VERIFICATION
12	At station B — Remove handset from switch hook.	Ringing tripped. At telephone console — SRC (TRK) lamp steadily lighted. Audible ringing tone silenced. Conversation satisfactory among attendant and stations A and B.
13	Attendant momentarily depresses PA RLS key.	PICK-UP lamp extinguished.
14	At station A — Flash switch hook.	At telephone console — DEST (STA) lamp flashes at 120 ipm. Audible alarm sounded.
15	At station B — Flash switch hook.	At telephone console — SRC (TRK) lamp flashes at 120 ipm. Audible alarm sounded.
16	Momentarily depress PICK-UP key.	SRC (TRK) and DEST (STA) lamps stead- ily lighted. Audible alarm silenced.
17	Momentarily depress HOLD key.	PICK-UP lamp flashes at 30 ipm.
18	Momentarily depress PICK-UP key.	PICK-UP lamp steadily lighted.
19	Momentarily depress PA RLS key.	PICK-UP lamp extinguished.
20	At station A — Replace handset on switch hook.	DEST (STA) lamp extinguished.
21	At station B — Replace handset on switch hook.	SRC (TRK) lamp extinguished.
22	At telephone console — Momentarily depress PICK-UP key.	PICK-UP lamp lighted.
23	Momentarily depress KPR key.	KPR lamp lighted.
24	At station B — Remove handset from switch hook.	
25	At telephone console — Dial digits of station B.	SRC (TRK) lamp flashes at 60 ipm. KPR lamp extinguished.
26	Momentarily depress RLS SRC key.	SRC (TRK) lamp extinguished.
27	Attendant momentarily depresses PA RLS key.	PICK-UP lamp extinguished.
28	At station B — Replace handset on switch hook.	
29	Operate handset switch to TALK.	

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<b>STEP</b>	<b>ACTION</b>	<b>VERIFICATION</b>
30	Dial digits which will cause the selector to seize the trunk to be tested.	Audible ringing tone heard. At telephone console — SRC (TRK) lamp flashes at 60 ipm. Audible alarm sounds.
31	At telephone console — Attendant answers.	SRC (TRK) lamp steadily lighted. Audible alarm silenced. PICK-UP lamp steadily lighted. At handset — Audible ringing tone silenced.
32	At attendant outgoing selector unit — Disconnect handset from TST jack.	At telephone console — SRC (TRK) lamp extinguished.
33	At telephone console — Dial digits of toll operator.	Audible ringing tone heard.
34	Toll operator answers.	At telephone console — Audible ringing tone silenced. DEST (STA) lamp lighted.  <i>Note:</i> If toll operator is in a step-by-step central office that does not return reversed battery and ground, the DEST (STA) lamp will not light.
35	At telephone console — Momentarily depress HOLD key.	PICK-UP lamp flashes at 30 ipm.
36	Momentarily depress PA RLS key.	PICK-UP lamp continues to flash at 30 ipm. DEST (STA) lamp remains lighted.
37	Toll operator re-rings.	At telephone console — DEST (STA) lamp flashes at 120 ipm.
38	Momentarily depress PICK-UP key.	DEST (STA) lamp steadily lighted. PICK-UP lamp steadily lighted.
39	Toll operator disconnects.	DEST (STA) lamp extinguished.
40	At telephone console — Momentarily depress PA RLS key.	PICK-UP lamp extinguished.
41a	If no further tests are to be made — Remove telephone sets from spare line terminals.	

**B. Night Service**

**Incoming Call**

4	Operate handset switch to TALK.	
5	At telephone console — Operate NITE key.	PICK-UP lamps associated with 2-way position trunks SD-65818 lighted.

STEP	ACTION	VERIFICATION
6	At handset — Dial digits which will cause the selector to seize the trunk to be tested.	Audible ringing tone heard. At night attendant position — After 5 to 7 seconds — KEY lamp flashes at 60 ipm. Ringing occurs.
7	At night attendant position — Depress flashing KEY.	KEY lamp steadily lighted.
8	Remove handset from switch hook.	Ringing tripped. At handset — Audible ringing tone silenced.
9	At night attendant position — Dial digits of station A.	At station A — Ringing occurs.
10	At station A — Remove handset from switch hook.	Ringing tripped.
11	At night attendant position — Operate HOLD key.	KEY lamp flashes at 30 ipm.
12	At night attendant position — Depress flashing KEY.	KEY lamp steadily lighted.

**Calling Party Disconnects First**

13	At handset — Operate switch to MON.	
14	At station A — Replace handset on switch hook.	KEY lamp extinguished.

**Called Party Disconnects First**

15	At handset — Dial digits which will cause the selector to seize the trunk to be tested.	Audible ringing tone heard. At night attendant position — After 5 to 7 seconds — KEY lamp flashes at 60 ipm. Ringing occurs.
16	At night attendant position — Depress flashing KEY.	KEY lamp steadily lighted.
17	Remove handset from switch hook.	Ringing tripped. At handset — Audible ringing tone silenced.
18	At night attendant position — Dial digits of station A.	At station A — Ringing occurs.
19	At station A — Remove handset from switch hook.	Ringing tripped.

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<b>STEP</b>	<b>ACTION</b>	<b>VERIFICATION</b>
20	At station A — Replace handset on switch hook.	
21	At handset — Operate switch to MON.	
<b>Calling Party Disconnects When Called Party Does Not Answer</b>		
22	At handset — Dial digits which will cause the selector to seize the trunk to be tested.	Audible ringing tone heard. At night attendant position — After 5 to 7 seconds — KEY lamp flashes at 60 ipm. Ringing occurs.
23	At night attendant position — Depress flashing KEY.	KEY lamp steadily lighted.
24	Remove handset from switch hook.	Ringing tripped. At handset — Audible ringing tone silenced.
25	At night attendant position — Dial digits of station A.	At station A — Ringing occurs.
26	At handset — Operate switch to MON.	At night attendant position — If L option provided — KEY lamp extinguishes when calling party disconnects. If M option provided — KEY lamp extinguishes 13 to 32 seconds after calling party disconnects.

**Night Attendant Disconnect Without Extending Call**

27	At handset — Dial digits which will cause the selector to seize the trunk to be tested.	Audible ringing tone heard. At night attendant position — After 5 to 7 seconds — KEY lamp flashes at 60 ipm. Ringing occurs.
28	At night attendant position — Depress flashing KEY.	KEY lamp steadily lighted.
29	Remove handset from switch hook.	Ringing tripped. At handset — Audible ringing tone silenced.
30	At night attendant position — Replace handset on switch hook.	After approximately 1/3 second — KEY lamp extinguished.