

AUXILIARY TRUNK CIRCUIT SD-32025-01
PREPAYMENT COIN SERVICE
OPERATION TESTS
USING TRUNK TEST SET SD-90469-02 (J94710A)
STEP-BY-STEP SYSTEMS

1. GENERAL

1.01 This section describes a method of testing Auxiliary Trunk Circuit SD-32025-01, which is used in conjunction with a dial prepayment coin station using Trunk Test Set SD-90469-02.

1.02 This section is reissued to update section to include method of testing the auxiliary trunk circuit in offices arranged for dial-tone-first. Dial-tone-first is an improved coin service which eliminates the requirement for a coin deposit at the coin station when making service code, operator, or free code calls. The section title is changed to show the SD number of the trunk. This reissue does not affect the Equipment Test List.

1.03 The tests and features tested are:

A. Trunks to Coin Lines—Direct Ground:

This test checks the operation of the auxiliary trunk when a call is originated from a coin line with direct ground on the A lead.

B. Trunks to Non-Coin Lines—Resistance

Ground: This test checks the operation of the auxiliary trunk when a call is originated from a noncoin line with resistance ground on the A lead.

1.04 All keys, jacks, and lamps referred to are located at the trunk test set unless otherwise specified.

1.05 These tests should preferably be made during periods of light traffic.

1.06 When testing auxiliary trunk circuits in offices arranged for dial-tone-first, a trunk

test set SD-90469-02 equipped with ZH option must be used.

1.07 Lettered Steps: A letter a, b, c, etc, added to a step number in Part 3 or 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 condition 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 Trunk test set J94710A (SD-90469-02).

2.02 Head telephone set.

2.03 One 3P7A cord, consisting of a P3E cord, 6 feet long, equipped with 310 plugs on each end.

2.04 One 3P15A cord, consisting of a P3K cord, 6 feet long, equipped with 310 plugs on each end.

2.05 One 2W12A cord, consisting of a W2M cord, 9 feet long, equipped with a 310 plug on one end and two 59 cord tips on the other end.

Note: Used to connect battery and ground in offices not equipped with frame battery and ground.

2.06 One 1W5A cord, consisting of a W1B cord, 10 feet long, equipped with a 310 plug on one end and a KS-6780 connecting clip with 108 cord tips on the other end.

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3. PREPARATION

STEP	ACTION	VERIFICATION
All Tests		
1	At test set— Restore all keys to normal.	
2	◆Operate J-NO—J-O—H-O key to J-O.◆	
3a	If battery and ground supply jack is available— Using P3K cord, connect BAT G jack of test set to frame battery and ground supply. <i>Note:</i> To avoid possible grounding of the battery supply lead, connect the cord to the test set first; and when disconnecting, remove the cord from the test set last.	
4b	If no battery and ground supply jack is available— Connect 310 plug of W2M cord to BAT G jack of test set.	
5b	Connect tip (black) cord tip of W2M cord to battery and sleeve cord tip of W2M cord to ground (see note, Step 3a).	
6	Connect head telephone set to TEL jacks of test set.	
7	Connect 310 plug end of W1B cord to C jack of test set.	

4. METHOD

STEP	ACTION	VERIFICATION
A. Trunks to Coin Lines—Direct Ground		
8	◆At auxiliary trunk circuit— Using P3E cord, connect TST jack to T jack of test set.	At test set— BSY lamp remains extinguished.
9c	If BSY lamp is lighted in Step 8— Remove 310 plug from TST jack of auxiliary trunk circuit and connect to another TST jack which does not cause BSY lamp to light.	
10	At test set— Operate CBT LP key.	

STEP	ACTION	VERIFICATION
11	Connect KS-6780 connecting clip of W1B cord to terminal 4 on unit terminal strip (other end of cord connected to C jack of test set).	
12	Operate and hold FL key.	
13	Operate CN, TRS, and RCK (when provided) keys.	
14	Restore FL key to normal.	
15	Momentarily operate DL ST key.	SL lamp lighted. Audible ringing heard. After call is answered— At switchboard— Tone heard indicating call originated at coin station. At test set— REV lamp lighted. CR lamp momentarily lighted. If office is arranged for dial-tone-first— CTCK lamp momentarily lighted. REV lamp momentarily flashes off.
16	Restore CN key.	
17	Operate and hold FL key.	At switchboard— Call disconnected. At test set— SL lamp extinguished.
18	Restore FL key.	
19	Remove cords from TST jack and terminal strip of auxiliary circuit.	
20	If no further tests are to be made— Remove all cords; restore all keys.¶	

B. Trunks to Non-Coin Lines—Resistance Ground

8	At auxiliary trunk— Using P3E cord, connect TST jack to T jack of test set.
9c	¶If BSY lamp is lighted in Step 8— Remove 310 plug from TST jack of auxiliary trunk circuit and connect to another TST jack which does not cause BSY lamp to light.¶
10	At test set— Operate CBT LP key.

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STEP	ACTION	VERIFICATION
11	Connect KS-6780 connecting clip of W1B cord to terminal 4 on unit terminal strip (other end of cord connected to C jack of test set).	
12	Operate J-NO—J-O—N-O key to J-NO.	
13	Momentarily operate DL ST key.	SL lamp lighted. Audible ringing heard.
14	At switchboard— Call answered.	At switchboard— Tone heard indicating call originated at non-coin station. At test set— CR and REV lamps not lighted. No loud clicks heard.
15	◆Operate J-O—J-NO—H-O key to J-O.◆	
16	Operate and hold FL key.	At switchboard— Call disconnected. SL lamp extinguished.
17	Restore FL key.	
18	Remove all cords; restore all keys.	