

OUTGOING TRUNK CIRCUIT SD-97578-01
TESTS USING PORTABLE TEST SET J94747A
NO. 1 TRUNK CONCENTRATOR

1. GENERAL

1.01 This section describes a method of testing outgoing trunk circuit SD-97578-01 using portable trunk test set J94747A. The outgoing trunk (OGT) circuit is a four-wire trunk circuit which interfaces the No. 1 trunk concentrator (TC) with the trunk to the No. 5 crossbar automatic call distributor (ACD) or No. 23-desk for completing directory assistance calls or intercept calls.

1.02 This section is reissued to cover the arrangement to No. 23-desk. This reissue does not affect the Equipment Test List.

1.03 The tests covered are:

A. Operational Test: This test checks that the trunk can be seized by the concentrator and an operator has been connected at the ACD or No. 23-desk. It also checks for normal release of the trunk.

B. Timed Disconnect (For Trunk Wired With Option X and Y): This test checks that when an off-hook signal is not received from the ACD or No. 23-desk within 5 seconds, the trunk will disconnect.

3. PREPARATION

STEP	ACTION	VERIFICATION
All Tests		
1	At TC test set— Restore all keys and the TTS switch to normal.	
2	Plug head telephone set into A—B jacks.	
3	At outgoing trunk frame— Using 3P7A cord, connect the RCV jack	

1.04 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

All Tests

2.01 TC portable trunk test set J94747A (SD-97576-01).

2.02 Head telephone set, 52M or equivalent.

2.03 Three patching cords, P3E cord, 6 feet long, equipped with two 310 plugs (3P7A cord).

2.04 Patching cord, 893 cord, 6 feet long, equipped with two 360A tools (1W13B cord) and two KS-6278 connecting clips.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

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STEP	ACTION	VERIFICATION
	associated with the trunk under test to the RCV1 jack on the TC test set.	
4	Using 3P7A cord, connect the TRMT jack to the TRT2 jack on the TC test set.	
5	Using 3P7A cord, connect the -48V jack to -48V jack on the TC test set.	
	Caution: To avoid possible grounding of battery supply lead, connect cord to test set first and, when disconnecting, remove cord from test set last.	
6	At outgoing trunk and concentrator frame— Operate BCO key.	◆BCO lamp lighted.◆
7	At TC test set— Operate -48V key.	-48V lamp lighted.

4. METHOD

STEP	ACTION	VERIFICATION
A. Operational Test		
8	At outgoing trunk frame— Operate MB key associated with trunk under test.	MB_ lamp lighted.
9	At TC test set— Operate TTS switch to OGT position.	
10a	If integrity wink is not provided ◆(No. 5 ACD or No. 23-desk)—◆ Operate OGT key.	OGT, OH lamps lighted. At outgoing trunk frame— ON_ ◆lamp lighted.◆ ◆OFH_ lamp lighted after operator or machine announcement answered.◆
11b	If integrity wink is provided by ◆No. 5◆ ACD line circuit (Options X & Y)— At TC test set— Operate OGT key.	OGT, OH lamps lighted. At outgoing trunk frame— ON_ lamp lighted. ◆OFH_ lamp flashed then lighted after operator or machine announcement answers.◆
12	At TC test set— Operate TALK key.	TALK lamp lighted. Operator answers.

Note: If the volume is too loud, operate DN and/or 10 DB key.

STEP	ACTION	VERIFICATION
13	Restore OGT and TALK keys to normal.	OGT, OH, TALK lamps extinguished. At outgoing trunk frame— ON_, OFH_ lamps extinguished.
14	At TC test set— Restore all operated keys and the TTS switch to normal.	All lamps extinguished.
15c	If no other tests are to be performed on this trunk— At outgoing trunk frame— Restore MB key.	MB_ lamp extinguished.
16c	At TC test set— Remove all patching cords between test set and outgoing trunk frame.	
B. Timed Disconnect (For Trunk Wired With Option X)		
8	At outgoing trunk frame— Insulate 3B of RO relay.	
9	At terminal strip A— Connect frame ground to terminal 38.	
10	At TC test set— Operate the TTS switch to OGT position.	
11	At outgoing trunk frame— Operate MB key associated with trunk under test.	MB_ lamp lighted.
12	At TC test set— Operate OGT key.	OGT lamp lighted. After approximately 5 seconds— TBL lamp lighted. At outgoing trunk frame— ON_, TO_ lamps lighted.
13	At TC test set— Restore OGT key.	OGT, TBL lamps extinguished. At outgoing trunk frame— ON_ lamp extinguished.
14	At TC test set— Restore all operated keys and the TTS switch to normal.	All lamps extinguished.
15	At outgoing trunk frame— Remove insulator from 3B of RO relay.	
16	Remove ground from terminal 38 of terminal strip A.	

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STEP	ACTION	VERIFICATION
17	Manually release TO relay.	At outgoing trunk frame— TO_ lamp extinguished.
18a	If no other tests are to be performed on this trunk— At TC test set— Remove all patching cords between test set and outgoing trunk frame.	
19a	At outgoing trunk frame— Restore MB_ key.	MB_ lamp extinguished.