

TOLL SWITCHING TRUNKS

USING COMBINED DC-MF TRUNK TEST SET SD-56147-01

NO. 1 TOLL SWITCHBOARD

1. GENERAL

1.01 This section describes a method of testing MF and DC key pulsing toll switching trunks using the test set SD-56147-01.

1.02 The test covered is:

(A) Trunk Test From the Relay Rack

This test checks trunk seizure, ringing, tripping, supervision and reorder.

1.03 This test should be made during periods of light traffic.

1.04 Before proceeding with test determine the following from office records:

- (a) Position at which trunks to be tested appear.
- (b) The test line number to be called.
- (c) Whether controlled ringing is required.
- (d) Whether operation of the ST key is required for pulsing.

(e) Proper tones and proper intervals to be received from the test line circuit.

1.05 The test line circuit which is used in the test chart is one of the following circuits depending on the type of office to which the trunk connects:

- (a) Connector Multiple Test Line (Step-By-Step.)
- (b) Final Multiple Test Line (Panel.)
- (c) Incoming Trunk Test Line (No. 1 and No. 5 Crossbar.)

1.06 This test requires the assistance of an operator at the toll switchboard.

2. APPARATUS

- 2.01 Combined Trunk Test Circuit SD-56147-01 (J61533 YK.)
- 2.02 Portable Control Set SD-56147-01 (J64714 B.)
- 2.03 M15B cord, 8 feet long, equipped with two H.B. Jones plugs per KS-8585.
- 2.04 Operator telephone set.

3. METHOD

<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
	<u>(A) Trunk Test From the Relay Rack</u>	
1	Connect portable control set to TST jack	
2	Insert operator telephone set in A and B jacks of portable control set	
3	Operate TST key momentarily	SV lamp extinguished. If lighted momentarily, proceed to switchboard and remove any test cord left connected
4a	If position selector is provided - Operate and release OPR-SEL key as required to reach desired operator's position	
5	Operate OPR-HLD key	Operator answers
6	Instruct operator to insert test line cord in outgoing trunk jack of trunk to be tested	

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<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
7	Operate TST key	SV lamp lighted
8	Monitor	Trunk is idle
9b	If DC trunk requires controlled ringing - Operate Keypad key "6" momentarily	
10	Operate the KP key momentarily	SV lamp extinguished S lamp lighted S lamp flashes when trunk is arranged for MF pulsing
11c	If MF trunk - Operate KP key momentarily	S lamp extinguished SV lamp flashes at reorder rate
12c	Release and reoperate TST key	SV lamp lighted
13c	Operate KP key momentarily	SV lamp extinguished S lamp flashes
14d	If trunk under test requires ST key operation and automatic ringing is provided - Operate keypad keys 0-9 momentarily for test line number and ST key	S lamp extinguished SV lamp flashes and tones received under control of test line circuit
15e	If trunk under test does not require ST key operation and automatic ringing is provided - Operate keypad keys 0-9 momentarily for test line number	Same as Step 14d
16f	If trunk under test requires ST key operation and controlled ringing is required - Operate keypad keys 0-9 momentarily for test line number, ST key and RNG key	Same as Step 14d
17g	If trunk under test does not require ST key operation and controlled ringing is required - Operate keypad keys 0-9 momentarily for test line number and RNG key	Same as Step 14d
18	Release TST key	SV lamp extinguished
19	Flash RC OPR key	Operator answers
20	Instruct operator to remove test line cord	
21	Release OPR-HLD key	