

ROTARY OUT-TRUNK SWITCH SD-32253-01  
OPERATION TEST  
USING DIAL HAND TEST SET  
STEP-BY-STEP SYSTEMS

1. GENERAL

1.01 This section describes a method of testing the rotary out-trunk (ROT) switch SD-32253-01, using the dial hand test set.

1.02 This section is reissued to remove 4-wire from the title since the section is applicable to both 3- and 4-wire ROT switches.

1.03 This test checks: the switch operation, continuity to a switchboard position, class-of-service tone where provided, the all-trunks-busy tone, flashing supervision, holding, and disconnect.

1.04 The testing time of any one switch should be held to a minimum since service may be

adversely affected if the switch is held busy for too long a time.

1.05 This test requires action and verification at the switchboard.

2. APPARATUS

2.01 1011G dial hand test set (handset), connected to a W2CK cord, 5 feet long, equipped with a 471A jack and a 310 plug (2W38A cord) (for use in connecting handset to switch test jack).

2.02 893 Cord, 6 feet long, equipped with two 360A tools (1W13B cord), one KS-6278 connecting clip with one 108 cord tip, and one 624B tool (for use in connecting ground to wrapped-wire A terminal).

3. METHOD

STEP	ACTION	VERIFICATION
1	Using 893 cord, connect ground to terminal of incoming A lead on unit terminal strip.	
2	With handset switch in MON position— Insert 310 plug of handset into switch test jack.	No conversation or dialing heard in receiver.  <i>Note:</i> If conversation or dialing is heard, disconnect from jack and wait, or continue test on succeeding switch.
3	Operate handset switch to TALK.	Switch cuts through to switchboard at once if standing on idle trunk terminal, or steps to next idle terminal and cuts through if standing on a busy trunk terminal. Ringing induction heard.  At switchboard— Call is answered.

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<b>STEP</b>	<b>ACTION</b>	<b>VERIFICATION</b>
		<i>Note:</i> If call is answered in less than 4 seconds, ringing induction may not be heard.
4	At switchboard— Verify that proper class-of-service tone was heard.	
5	Release and operate TALK key on handset several times to test holding and supervision.	At switchboard— Verify that supervisory lamp flashed.
6	At switchboard— Remove plug from trunk jack and reinsert it.	At switchboard— Verify that proper tone was again heard.
7	At switchboard— Disconnect when disconnect signal is received.	
8	Operate handset switch to MON.	Circuit restores to normal.
9	Remove ground connection from terminal strip A lead.	
10	Operate SP relay manually.	Busy tone heard in receiver.
11	Release SP relay.	Busy tone stops.
12	Remove handset cord plug from switch test jack.	
13	Repeat Steps 1 through 12 on all remaining ROT switches.	