

**NO. 101 ESS CENTRAL OFFICE TRUNK CIRCUIT SD-1H077-01**  
**TEST USING TRUNK TEST CIRCUIT SD-25918-01**  
**NO. 5 CROSSBAR OFFICES**

**1. GENERAL**

**1.01** This section covers tests of the following operating features:

- (a) Trunk seizure at local and distant ends
- (b) CR2 diode bias and conductivity
- (c) Answer supervision
- (d) Transmission
- (e) Digit pulsing
- (f) Disconnection.

**1.02** This section is reissued to clarify supervisory lamp indications. This reissue does not affect Equipment Test Lists.

**1.03** *Lettered Steps:* A letter a, b, c, etc, added to a step number in Part 3 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.

**1.04** The manner of selecting some circuits and test conditions at the master test frame (MTF) and its associated circuits varies depending on the apparatus options furnished with these circuits. Therefore, where variable means of selection are provided, precise instructions for the selection of circuits and test conditions are not given. Precise instructions for the use of these variable means are given in Section 218-106-301.

**1.05** The location statement, At MTF—, is used to refer to all apparatus located on the four basic bays of the MTF.

**2. APPARATUS**

- 2.01** Master test control circuit SD-25800-01.
- 2.02** Trunk test circuit SD-25918-01.

**3. METHOD**

STEP	ACTION	VERIFICATION
	<i>Note:</i> Refer to 1.04 and 1.05.	
1	Request distant end to make busy trunk under test.	
2	At MTF— Restore all keys and switches.	
3	Momentarily operate RL key.	All lamps extinguished.
4	Operate TCLB key.	

**SECTION 218-260-501**

STEP	ACTION	VERIFICATION
5	Select A- through G- digits for program test number assigned to trunk circuit to be tested.	
6	Select marker.	
7a	If trunk under test is equipped for simplex supervision— Operate RTK key.	
8	Select class of call and translator indication having access to trunk under test.	
9b	If trunk under test is a free service number— Operate FNA or FNB as required.	
10	Select LT class of test.	
11	Operate TLK key.	
12	Operate ST key.	LT, LLS lamps lighted.
13	Momentarily operate ELT key.	◆If trunk is equipped for SX supervision toward ESS unit— AA, OGT-CS lamps lighted.◆
14	Operate LLR key.	LLS lamp extinguished. ◆If trunk is equipped for loop supervision toward ESS unit—◆ AA lamp lighted.
15	Operate ANS key.	At MTF telephone set— High tone heard.
16	At MTF— Operate SZ key.	LLS lamp lighted.
17	Momentarily operate RL key.	LT, AA lamps extinguished. High tone removed.
18	At MTF telephone circuit— Dial or key digits to select simulated 2-wire trunk circuit.	At MTF— TS lamp lighted.
19	Restore SZ key.	TS lamp extinguished.
20	Restore all keys and switches.	All lamps extinguished.
21	Notify distant end of completion of test and request that trunk be restored to service.	