

OUTGOING TRUNKS TO TRAFFIC SERVICE POSITION (TSP) OR TRAFFIC SERVICE  
POSITION SYSTEM (TSPS) NO. 1  
TESTS USING TRUNK TEST CIRCUIT SD-25918-01  
NO. 5 CROSSBAR OFFICES

1. GENERAL

PAGE

1.01 This section describes a method of testing outgoing trunk circuits SD-27546-01, SD-27547-01 (coin or noncoin), SD-27550-01, SD-27551-01 (coin or noncoin), and SD-28062-01, SD-28063-01 (coin or noncoin) for automatic number identification (ANI), operator assistance, or special toll using the trunk test circuit SD-25918-01 and the master test frame (MTF) in No. 5 crossbar offices.

1.02 This section is reissued for the following reasons:

- (a) To revise all tests except I for Electronic Translation System (ETS) features.
- (b) To clarify disconnect features when using SD-27551-01 and SD-28062-01
- (c) To add note 1.07
- (d) To make minor changes as required.

This reissue does not affect Equipment Test Lists

1.03 The tests covered are:

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**A. Seizure:** The following features are checked: (1) Seizure and supervision of the circuit. (2) Continuity and polarity of originating tip and ring leads. (3) Ability to hold if extra digits are dialed into the circuit. . . . . 4

**B. Supervision—Originating End Disconnect:** This test checks that supervision is held from the crossbar tandem. . . . . 7

**C. Supervision—Terminating End Disconnect:** This test checks that the originating end is held until the tandem end disconnects. . . . . 10

**D. Abandoned Call:** This test checks that the circuit will release and return the coin if a coin trunk is being tested on an abandoned call. . . . . 12

**E. Overflow:** This test checks that on a subscriber outgoing call the circuit is set for overflow when a reorder condition is encountered. . . . . 14

**F. Circuit Busy:** The following features are checked: (1) Seizure by only the MTF when the circuit is made busy. (2) Seizure by the MTF when the trunk group is made busy. (3) Busy condition to service calls when the circuit is made busy. . . . . 16

**G. Customer Recall:** This test checks the ability of the trunk to transmit a ringback signal from operator to customer. . . . . 20

**H. Coin Control:** This test checks the ability of the trunk to collect and return a coin under control of the operator. . . . . 25

**I. False-Busy and False-Idle Conditions:** This test checks for continuity and crosses on the F, BT, and FT leads. . . . . 29

NOTICE

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|---|------|
| <b>J. Disable Coin Features:</b> This test checks the ability of coin and noncoin trunks to recognize a noncoin call and to disable the coin collect and coin return features when a noncoin call is indicated. . . . .   | 30   |
| <b>K. Call Through Tandem Office:</b> This test checks the ability of the circuit to tandem through the TSP or TSPS No. 1 position. . . . .   | 32   |
| <b>L. Multiple Wink Supervision:</b> This test checks the ability of the trunk to recognize the following multiple wink coin control signals: (1) Ringback to subscriber. (2) Coin return by operator. (3) Coin collect by operator. (4) Operator attached. (5) Operator released. . . . .  | 34   |
| <b>1.04 Lettered Steps:</b> A letter a, b, c, etc, added to a step number in Parts 3 and 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. |      |
| <b>1.05</b> The manner of selecting some circuits and test conditions at the 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.   |      |
| <b>1.06</b> The location statement, At MTF—, is used to refer to all apparatus located on the four basic bays of the MTF.   |      |
| <b>1.07</b> In Test K, which tests the ability of the trunk circuit to tandem through the TSPS No. 1 position, local operator services practices must be followed to minimize fraud potential. Test procedures, including proper phrases and test numbers, must be followed; since the operator is  |      |

instructed to release back and not allow the call to proceed if there is any deviation from the test procedures.

**1.08** When the office is arranged for ETS, the distributors and scanners associated with the marker and trunk used in the test call must be in service or in a **maintenance-busy** condition—not in an **out-of-service** condition. To change a scanner or distributor from an **out-of-service** to a **maintenance-busy** condition, use the procedure given in the following section for the office arrangement.

218-799-701—taking ETS  
Equipment Out-of-Service.

**1.09** When the trunk under test is arranged for ETS, the first completed test call from the MTF will cause the TST bit to be set in the trunk register associated with the selected trunk, enabling trunk scanning to be repeated on the FT lamp at the MTF trunk test circuit. As long as the TST bit is set in the trunk register, scanning will continue to be repeated on the lamp even on service calls. The TST bit will remain set in the trunk register until (1) a test call is made from the MTF to another trunk, or (2) the command **STOP:TRK TST** is entered at the maintenance TTY.

**1.10** On Issue 76D of SD-25800-01, a group of 18 “class of test” lamps was replaced by a single “start test” lamp designated STT. Since the designation given to the lamp is not specific, the lamp will not be called out in the section, as well as the 18 discontinued lamps, such as DT, ORIG, ITDO, ITNP, OGT, etc.¶

**2. APPARATUS**

**Tests A Through H, J, K, L**

**2.01** Master test control circuit, SD-25800-01.

**2.02** Trunk test circuit, SD-25918-01.

**Tests F, I**

**2.03** 322A (make-busy) plugs as required.

**Test I**

**2.04** Oscillator J94730B (SD-95616-01), part of 1A fault locator test set J94730A.

2.05 Testing cord, W1AK cord, 6 feet long, equipped with one 296 plug (banana-type), one 360B tool, and one 624B tool (for connecting 1A fault locator to terminal strip terminals).

KS-6278 connecting clip, and one 624B tool (for connecting high resistance ground [HRG] to terminal strip terminals).

2.06 Testing cord, 893 cord, 6 feet long, equipped with two 360A tools (1W13B cord), one

2.07 Blocking tools as required. Use tools and apply as covered in Section 069-020-801.

3. PREPARATION

| STEP | ACTION | VERIFICATION |
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All Tests Except I, K

*Note:* Refer to 1.04 through 1.10.

- |     |   |                         |
|-----|---|-------------------------|
| 1   | At MTF—<br>Restore all keys and switches.   |                         |
| 2   | Momentarily operate RL key.   | All lamps extinguished. |
| 3   | Operate FS, TS, KY, TLK keys.   |                         |
| 4   | Select marker.  |                         |
| 5   | Select outgoing trunk.  |                         |
| 6   | Operate GPA/GPB key as required for access to trunk in allotted group.  |                         |
| 7a  | If other than operator assistance with or without ANI is being tested—<br>Select LT2 translator indication.     |                         |
| 8a  | Select A_ through K_ digits as required to direct call to selected route.                                       |                         |
| 9b  | If operator assistance with or without ANI is being tested—<br>Select digit A0 to direct call to zero operator. |                         |
| 10c | If E and M supervision is provided—<br>Operate E-M key.   |                         |
| 11d | ◆If ETS provided—<br>Operate PCS, PTS keys.◆  |                         |

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| STEP | ACTION | VERIFICATION |
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4. METHOD

| STEP | ACTION | VERIFICATION |
|------|--------|--------------|
|------|--------|--------------|

A. Seizure

For SD-27546-01, SD-27547-01, SD-27550-01,  
SD-27551-01, SD-28062-01, SD-28063-01

- |    |   |  |
|----|---|--|
| 12 | Select OGT class of test.                                       |  |
| 13 | Select noncoin class of service and rate treatment as required. |  |
| 14 | Momentarily operate ST key.                                     | <p>◆If ETS provided—<br/>                     FT lamp lighted.◆<br/>                     AS lamp lighted.<br/>                     If E and M supervision is provided—<br/>                     E lamp lighted.<br/>                     If toll denial is provided—<br/>                     PK lamp lighted momentarily.<br/>                     If testing SD-27550-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>                     Audible ringing heard in handset.</p>  |
| 15 | Dial digit 0.   | AS lamp remains lighted.   |
| 16 | Operate ANS key.  | <p>OGT-CS lamp lighted.<br/>                     High tone heard.<br/>                     If testing SD-27550-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>                     Audible ringing silenced.</p>   |
| 17 | Restore ANS key.  | <p>OGT-CS lamp extinguished.<br/>                     High tone silenced.<br/>                     In approximately 1 second—<br/>                     AS lamp extinguished.<br/>                     ◆If ETS provided—<br/>                     FT lamp extinguished.<br/>                     If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>                     AS lamp remains lighted.<br/>                     If ETS provided—<br/>                     FT lamp remains lighted.◆<br/>                     If toll denial is provided—<br/>                     PK lamp remains extinguished.<br/>                     If E and M supervision is provided—<br/>                     E lamp extinguished.</p> |
| 18 | Momentarily operate RL key.                                     | All lamps extinguished.  |

| STEP  | ACTION   | VERIFICATION   |
|---|--|--|
| 19  | Restore all keys and switches not required in next test.                                       |  |
| <b>For SD-27547-01, SD-27551-01, SD-28062-01, SD-28063-01</b> |  |  |
| 20  | Select coin class of service and rate treatment as required.                                   |  |
| 21  | Operate CN key.  |  |
| 22e   | If coin service improvement (dial-tone-first) feature is provided—<br>Operate DTNF key.        |  |
| 23  | Select OGT class of test.  |  |
| 24  | Momentarily operate ST key.  | <p>◆If ETS provided—<br/>                     FT lamp lighted.◆<br/>                     AS lamp lighted.<br/>                     If E and M supervision is provided—<br/>                     E lamp lighted.<br/>                     If coin service improvement (dial-tone-first) feature is provided—<br/>                     PK lamp lighted.<br/>                     If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>                     Audible ringing heard in handset.</p>   |
| 25  | Dial digit 0.  | AS lamp remains lighted.   |
| 26  | Operate ANS key.   | <p>OGT-CS lamp lighted.<br/>                     High tone heard.<br/>                     If automatic return of initial coin on operator answer feature is provided—<br/>                     CR lamp momentarily lighted.<br/>                     CND lamp lighted.<br/>                     If coin service improvement (dial-tone-first) feature is provided—<br/>                     CPT lamp momentarily lighted.<br/>                     OLF lamp not lighted.<br/>                     If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>                     Audible ringing silenced.</p> |
| 27f   | If automatic return of initial coin on operator answer feature is provided—<br>Restore CN key. | CND lamp extinguished.   |
| 28e   | If coin service improvement (dial-tone-first) feature is provided—<br>Restore DTNF key.        |  |

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| STEP | ACTION   | VERIFICATION   |
|------|--|--|
| 29   | Restore ANS key.   | OGT-CS lamp extinguished.<br>High tone silenced.<br>In approximately 1 second—<br>AS lamp extinguished.<br>♦If ETS provided—<br>FT lamp extinguished.<br>If testing SD-27551-01, SD-28062-01 and trunk<br>is used for operator assistance without ANI—<br>AS lamp remains lighted.<br>If ETS provided—<br>FT lamp remains lighted.♦<br>If coin service improvement (dial-tone-first)<br>feature is provided—<br>PK lamp extinguished.<br>If E and M supervision is provided—<br>E lamp extinguished. |
| 30   | Momentarily operate RL key.  | All lamps extinguished.  |
| 31e  | If coin service improvement (dial-tone-first)<br>feature is provided—<br>Operate CN key. |  |
| 32e  | Operate ST key.  | ♦If ETS provided—<br>FT lamp lighted.♦<br>AS, PK lamps lighted.<br>If E and M supervision is provided—<br>E lamp lighted.<br>If testing SD-27551-01, SD-28062-01 and trunk<br>is used for operator assistance without ANI—<br>Audible ringing heard in handset.  |
| 33e  | Operate ANS key.   | OGT-CS lamp lighted.<br>High tone heard.<br>CR lamp momentarily lighted.<br>CND lamp lighted.<br>If testing SD-27551-01, SD-28062-01 and trunk<br>is used for operator assistance without ANI—<br>Audible ringing silenced.  |
| 34e  | Restore CN key.  | CND lamp extinguished.   |
| 35e  | Restore ANS key.   | OGT-CS lamp extinguished.<br>High tone silenced.<br>In approximately 1 second—<br>AS, PK lamps extinguished.<br>♦If ETS provided—<br>FT lamp extinguished.<br>If testing SD-27551-01, SD-28062-01 and trunk<br>is used for operator assistance without ANI—<br>AS lamp remains lighted.<br>If ETS provided—  |

| STEP  | ACTION  | VERIFICATION  |
|---|---|---|
|   |   | FT lamp remains lighted.♦<br>If E and M supervision is provided—<br>E lamp extinguished.  |
| 36e   | Momentarily operate RL key.                                     | All lamps extinguished.   |
| 37  | Restore all keys and switches not required in next test.        |   |
| <b>B. Supervision—Originating End Disconnect</b>              |   |   |
| <b>For SD-27546-01, SD-27550-01, SD-28062-01, SD-28063-01</b> |   |   |
| 12  | Select OGT class of test.                                       |   |
| 13  | Select noncoin class of service and rate treatment as required. |   |
| 14  | Momentarily operate ST key.                                     | ♦If ETS provided—<br>FT lamp lighted.♦<br>AS lamp lighted.<br>If E and M supervision is provided—<br>E lamp lighted.<br>If toll denial is provided—<br>PK lamp lighted momentarily.<br>If testing SD-27550-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing heard in handset.                                      |
| 15  | Operate ANS key.  | OGT-CS lamp lighted.<br>High tone heard.<br>If testing SD-27550-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing silenced.   |
| 16  | Restore TLK key.  | If toll denial is provided—<br>PK lamp remains extinguished.<br>High tone silenced.   |
| 17  | Restore ANS key.  | OGT-CS lamp extinguished.<br>In approximately 1 second—<br>AS lamp extinguished.<br>♦If ETS provided—<br>FT lamp extinguished.<br>If testing SD-28062-01 and trunk is used for operator assistance without ANI—<br>AS lamp remains lighted.<br>If ETS provided—<br>FT lamp remains lighted.♦<br>If E and M supervision is provided—<br>E lamp extinguished. |

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| STEP  | ACTION   | VERIFICATION   |
|---|--|--|
| 18  | Momentarily operate RL key.  | All lamps extinguished.  |
| 19  | Restore all keys and switches not required in next test.                                       |  |
| <b>For SD-27547-01, SD-27551-01, SD-28062-01, SD-28063-01</b> |  |  |
| 20  | Select coin class of service and rate treatment as required.                                   |  |
| 21  | Operate CN key.  |  |
| 22  | Select OGT class of test.  |  |
| 23  | Momentarily operate ST key.  | <p>◆If ETS provided—<br/>           FT lamp lighted.◆<br/>           AS lamp lighted.<br/>           If E and M supervision is provided—<br/>           E lamp lighted.<br/>           If coin service improvement (dial-tone-first) feature is provided—<br/>           PK lamp lighted.<br/>           If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>           Audible ringing heard in handset.</p> |
| 24  | Operate ANS key.   | <p>OGT-CS lamp lighted.<br/>           High tone heard.<br/>           If automatic return of initial coin on operator answer feature is provided—<br/>           CR lamp momentarily lighted.<br/>           CND lamp lighted.<br/>           If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>           Audible ringing silenced.</p>   |
| 25e   | If automatic return of initial coin on operator answer feature is provided—<br>Restore CN key. | CND lamp extinguished.   |
| 26  | Restore TLK key.   | <p>High tone silenced.<br/>           If coin service improvement (dial-tone-first) feature is provided—<br/>           PK lamp extinguished.</p>  |
| 27  | Restore ANS key.   | <p>OGT-CS lamp extinguished.<br/>           If E and M supervision is provided—<br/>           E lamp extinguished.<br/>           In approximately 1 second—<br/>           AS lamp extinguished.<br/>           ◆If ETS provided—</p>  |

| STEP | ACTION   | VERIFICATION   |
|------|--|--|
|      |  | <p>FT lamp extinguished.<br/>           If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>           AS lamp remains lighted.<br/>           If ETS provided—<br/>           FT lamp remains lighted.♦</p>  |
| 28   | Momentarily operate RL key.  | All lamps extinguished.  |
| 29f  | If trunk under test is arranged for combined coin and noncoin operation—<br>Restore CN key, if operated.             |  |
| 30f  | Restore coin class of service and rate treatment and select noncoin class of service and rate treatment as required. |  |
| 31f  | Momentarily operate ST key.  | <p>♦If ETS provided—<br/>           FT lamp lighted.♦<br/>           AS lamp lighted.<br/>           If E and M supervision is provided—<br/>           E lamp lighted.<br/>           If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>           Audible ringing heard in handset.</p> |
| 32f  | Operate ANS key.   | <p>OGT-CS lamp lighted.<br/>           High tone heard.<br/>           If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>           Audible ringing silenced.</p>   |
| 33f  | Restore TLK key.   | High tone silenced.  |
| 34f  | Restore ANS key.   | <p>OGT-CS lamp extinguished.<br/>           If E and M supervision is provided—<br/>           E lamp extinguished.<br/>           In approximately 1 second—<br/>           AS lamp extinguished.<br/>           ♦If ETS provided—<br/>           FT lamp extinguished.♦</p>  |
| 35f  | Momentarily operate RL key.  | All lamps extinguished.  |
| 36   | Restore all keys and switches not required in next test.   |  |

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| STEP   | ACTION  | VERIFICATION  |
|--|---|---|
| C. Supervision—Terminating End Disconnect              |   |   |
| For SD-27546-01, SD-27550-01, SD-28062-01, SD-28063-01 |   |   |
| 12   | Select OGT class of test.                                       |   |
| 13   | Select noncoin class of service and rate treatment as required. |   |
| 14   | Momentarily operate ST key.                                     | <p>◆If ETS provided—<br/>           FT lamp lighted.◆<br/>           AS lamp lighted.<br/>           If E and M supervision is provided<br/>           E lamp lighted.<br/>           If toll denial is provided—<br/>           PK lamp lighted momentarily.<br/>           If testing SD-27550-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>           Audible ringing heard in handset.</p>  |
| 15   | Operate ANS key.  | <p>OGT-CS lamp lighted.<br/>           High tone heard.<br/>           If testing SD-27550-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>           Audible ringing silenced.</p>  |
| 16   | Restore ANS key.  | <p>OGT-CS lamp extinguished.<br/>           High tone silenced.<br/>           In approximately 1 second—<br/>           AS lamp extinguished.<br/>           ◆If ETS provided—<br/>           FT lamp extinguished.<br/>           If testing SD-28062-01 and trunk is used for operator assistance without ANI—<br/>           AS lamp remains lighted.<br/>           If ETS provided—<br/>           FT lamp remains lighted.◆<br/>           If toll denial is provided—<br/>           PK lamp remains extinguished.<br/>           If E and M supervision is provided—<br/>           E lamp extinguished.</p> |
| 17   | Momentarily operate RL key.                                     | All lamps extinguished.   |
| 18   | Restore all keys and switches not required in next test.        |   |

| STEP  | ACTION   | VERIFICATION   |
|---|--|--|
| <b>For SD-27547-01, SD-27551-01, SD-28062-01, SD-28063-01</b> |  |  |
| 19  | Select coin class of service and rate treatment as required.                                   |  |
| 20  | Operate CN key.  |  |
| 21  | Select OGT class of test.  |  |
| 22  | Momentarily operate ST key.  | <p>◆If ETS provided—<br/> FT lamp lighted.◆<br/> AS lamp lighted.<br/> If E and M supervision is provided—<br/> E lamp lighted.<br/> If coin service improvement (dial-tone-first) feature is provided—<br/> PK lamp lighted.<br/> If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/> Audible ringing heard in handset.</p>   |
| 23  | Operate ANS key.   | <p>OGT-CS lamp lighted.<br/> High tone heard.<br/> If automatic return of initial coin on operator answer feature is provided—<br/> CR lamp momentarily lighted.<br/> CND lamp lighted.<br/> If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/> Audible ringing silenced.</p>   |
| 24e   | If automatic return of initial coin on operator answer feature is provided—<br>Restore CN key. | CND lamp extinguished.   |
| 25  | Restore ANS key.   | <p>OGT-CS lamp extinguished.<br/> If E and M supervision is provided—<br/> E lamp extinguished.<br/> In approximately 1 second—<br/> AS lamp extinguished.<br/> ◆If ETS provided—<br/> FT lamp extinguished.<br/> If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/> AS lamp remains lighted.<br/> If ETS provided—<br/> FT lamp remains lighted.◆<br/> If coin service improvement (dial-tone-first) feature is provided—<br/> PK lamp extinguished.</p> |

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| STEP | ACTION   | VERIFICATION   |
|------|--|--|
| 26   | Momentarily operate RL key.  | All lamps extinguished.  |
| 27f  | If trunk under test is arranged for combined coin and noncoin operation—<br>Restore CN key, if operated.         |  |
| 28f  | Restore coin class of service rate treatment and select noncoin class of service and rate treatment as required. |  |
| 29f  | Momentarily operate ST key.  | ◆If ETS provided—<br>FT lamp lighted.◆<br>AS lamp lighted.<br>If E and M supervision is provided—<br>E lamp extinguished.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing heard in handset. |
| 30f  | Operate ANS key.   | OGT-CS lamp lighted.<br>If E and M supervision is provided—<br>E lamp lighted.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing silenced.  |
| 31f  | Restore ANS key.   | OGT-CS lamp extinguished.  |
| 32f  | Momentarily operate RL key.  | All lamps extinguished.  |
| 33   | Restore all keys and switches not required in next test.   |  |

D. Abandoned Call

For SD-27546-01, SD-27550-01, SD-28062-01, SD-28063-01

|    |   |  |
|----|---|--|
| 12 | Select noncoin class of service and rate treatment as required. |  |
| 13 | Select OGT class of test.                                       |  |
| 14 | Momentarily operate ST key.                                     | ◆If ETS provided—<br>FT lamp lighted.◆<br>AS lamp lighted.<br>If toll denial is provided—<br>PK lamp lighted momentarily.<br>If testing SD-27550-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing heard in handset. |

| STEP  | ACTION   | VERIFICATION  |
|---|--|---|
| 15  | Restore TLK key.   | AS lamp extinguished.<br>♦If ETS provided—<br>FT lamp extinguished.♦<br>If toll denial is provided—<br>PK lamp remains extinguished.<br>If testing SD-27550-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing silenced.   |
| 16  | Momentarily operate RL key.  | All lamps extinguished.   |
| 17  | Restore all keys and switches not required in next test.                 |   |
| <b>For SD-27547-01, SD-27551-01, SD-28062-01, SD-28063-01</b> |  |   |
| 18  | Select coin class of service and rate treatment as required.             |   |
| 19  | Operate CN key.  |   |
| 20  | Select OGT class of test.  |   |
| 21  | Momentarily operate ST key.  | ♦If ETS provided—<br>FT lamp lighted.♦<br>AS lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp lighted.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing heard in handset.   |
| 22  | Restore TLK key.   | ♦If ETS provided—<br>FT lamp extinguished.♦<br>AS lamp extinguished.<br>CR lamp momentarily lighted.<br>CND lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp extinguished.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing silenced. |
| 23  | Restore CN key.  | CND lamp extinguished.  |
| 24  | Momentarily operate RL key.  | All lamps extinguished.   |
| 25e   | If trunk under test is arranged for combined coin and noncoin operation— |   |

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| STEP | ACTION   | VERIFICATION   |
|------|--|--|
|      | Restore coin class of service and rate treatment and select noncoin class of service and rate treatment as required. |  |
| 26e  | Operate TLK key.   |  |
| 27e  | Momentarily operate ST key.  | <p>◆If ETS provided—<br/>           FT lamp lighted.◆<br/>           AS lamp lighted.<br/>           If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>           Audible ringing heard in handset.</p>   |
| 28e  | Restore TLK key.   | <p>◆If ETS provided—<br/>           FT lamp extinguished.◆<br/>           AS lamp extinguished.<br/>           If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>           Audible ringing silenced.</p> |
| 29e  | Momentarily operate RL key.  | All lamps extinguished.  |
| 30   | Restore all keys and switches not required in next test.   |  |

**E. Overflow**

**For SD-27546-01, SD-27550-01, SD-28062-01, SD-28063-01**

|    |   |  |
|----|---|--|
| 12 | Select noncoin class of service and rate treatment as required. |  |
| 13 | Select OGT class of test.                                       |  |
| 14 | Operate ROT key.  |  |
| 15 | Momentarily operate ST key.                                     | <p>◆If ETS provided—<br/>           FT lamp lighted.◆<br/>           AS lamp lighted.<br/>           If toll denial is provided—<br/>           PK lamp lighted momentarily.<br/>           Overflow tone heard.</p>               |
| 16 | Restore TLK key.  | <p>◆If ETS provided—<br/>           FT lamp extinguished.◆<br/>           AS lamp extinguished.<br/>           If toll denial is provided—<br/>           PK lamp remains extinguished.<br/>           Overflow tone silenced.</p> |
| 17 | Momentarily operate RL key.                                     | All lamps extinguished.  |

| STEP  | ACTION   | VERIFICATION   |
|---|--|--|
| 18  | Restore all keys and switches not required in next test.   |  |
| <b>For SD-27547-01, SD-27551-01, SD-28062-01, SD-28063-01</b> |  |  |
| 19  | Select coin class of service and rate treatment as required.   |  |
| 20  | Operate CN key.  |  |
| 21  | Select OGT class of test.  |  |
| 22  | Operate ROT key.   |  |
| 23  | Momentarily operate ST key.  | ♦If ETS provided—<br>FT lamp lighted♦<br>AS lamp lighted.<br>Overflow tone heard.<br>CR lamp momentarily lighted.<br>CND lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp lighted. |
| 24  | Restore CN key.  | CND lamp extinguished.   |
| 25  | Restore TLK key.   | ♦If ETS provided—<br>FT lamp extinguished♦<br>AS lamp extinguished.<br>Overflow tone silenced.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp extinguished.                                    |
| 26  | Momentarily operate RL key.  | All lamps extinguished.  |
| 27e   | If trunk under test is arranged for combined coin and noncoin operation—<br>Operate TLK key.                         |  |
| 28e   | Restore coin class of service and rate treatment and select noncoin class of service and rate treatment as required. |  |
| 29e   | Momentarily operate ST key.  | ♦If ETS provided—<br>FT lamp lighted♦<br>AS lamp lighted.<br>Overflow tone heard.  |
| 30e   | Restore TLK key.   | ♦If ETS provided—<br>FT lamp extinguished♦   |

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| STEP   | ACTION   | VERIFICATION   |
|--|--|--|
| For SD-27547-01, SD-27551-01, SD-28062-01, SD-28063-01 |  |  |
| 36   | Insert make-busy plug into OGT-MB jack associated with trunk under test.                       |  |
| 37   | Select coin class of service and rate treatment as required.                                   |  |
| 38   | Operate CN key.  |  |
| 39   | Select OGT class of test.  |  |
| 40   | Momentarily operate ST key.  | TB lamp lighted.   |
| 41   | Momentarily operate RL key.  | All lamps extinguished.  |
| 42   | Operate NTFS, NTTS keys.   |  |
| 43   | Momentarily operate ST key.  | ♦If ETS provided—<br>FT lamp lighted.♦<br>AS lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp lighted.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing heard in handset.  |
| 44   | Restore TLK key.   | AS lamp extinguished.<br>CR lamp momentarily lighted.<br>CND lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp extinguished.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing silenced.<br>♦If ETS provided—<br>FT lamp remains lighted.♦ |
| 45   | Momentarily restore CN key.  | CND lamp extinguished.   |
| 46   | Momentarily operate RL key.  | All lamps extinguished.  |
| 47   | Request distant office to remove incoming trunk associated with trunk under test from service. |  |
| 48   | Momentarily operate ST key.  | TB lamp lighted.   |

| STEP | ACTION  | VERIFICATION  |
|------|---|---|
| 49   | Momentarily operate RL key.   | All lamps extinguished.<br>◆If ETS provided—<br>FT lamp remains lighted.◆   |
| 50   | Request distant office to restore incoming trunk associated with trunk under test to service.                                 |   |
| 51   | Restore NTTS key.   |   |
| 52   | Operate FS, TLK keys.   |   |
| 53   | Insert make-busy plugs into OGT-MB jacks associated with trunks on same route on same trunk link frame as circuit under test. |   |
| 54   | Momentarily operate ST key.   | TB lamp lighted.  |
| 55   | Momentarily operate RL key.   | All lamps extinguished.   |
| 56   | Remove make-busy plug from OGT-MB jack associated with trunk under test.  | ◆If ETS provided—<br>FT lamp extinguished.◆   |
| 57   | When trunk under test is idle—<br>Momentarily operate ST key.   | ◆If ETS provided—<br>FT lamp lighted.◆<br>AS lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp lighted.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing heard in handset.   |
| 58   | Restore TLK key.  | ◆If ETS provided—<br>FT lamp extinguished.◆<br>AS lamp extinguished.<br>CR lamp momentarily lighted.<br>CND lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp extinguished.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing silenced. |
| 59   | Restore CN key.   | CND lamp extinguished.  |
| 60   | Remove make-busy plugs from OGT-MB jacks associated with trunks on same route on same trunk link frame as circuit under test. |   |
| 61   | Momentarily operate RL key.   | All lamps extinguished.   |

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| STEP | ACTION   | VERIFICATION  |
|------|--|---|
| 62e  | If trunk under test is arranged for combined coin and noncoin operation—<br>Operate TS, TLK keys.                    |   |
| 63e  | Restore coin class of service and rate treatment and select noncoin class of service and rate treatment as required. |   |
| 64e  | When trunk under test is idle—<br>Momentarily operate ST key.  | ◆If ETS provided—<br>FT lamp lighted.◆<br>AS lamp lighted.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing heard in handset.   |
| 65e  | Restore TLK key.   | ◆If ETS provided—<br>FT lamp extinguished.◆<br>AS lamp extinguished.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing silenced. |
| 66e  | Momentarily operate RL key.  | All lamps extinguished.   |
| 67e  | Insert make-busy plug into OGT-MB jack associated with trunk under test.   |   |
| 68e  | Momentarily operate ST key.  | TB lamp lighted.  |
| 69e  | Remove make-busy plug from OGT-MB jack associated with trunk under test.   |   |
| 70e  | Momentarily operate RL key.  | All lamps extinguished.   |
| 71   | Restore all keys and switches not required in next test.   |   |

**G. Customer Recall**

For SD-27546-01, SD-27550-01, SD-28062-01, SD-28063-01

**Trunk Test Circuit SD-25918-01 Not Arranged For Inband Coin Control Testing**

|    |   |  |
|----|---|--|
| 12 | Select noncoin class of service and rate treatment as required. |  |
| 13 | Select MISC class of test.                                      |  |
| 14 | Momentarily operate ST key.                                     | ◆If ETS provided—<br>FT lamp lighted.◆ |

| STEP   | ACTION  | VERIFICATION  |
|--|---|---|
|  |   | AS lamp lighted.<br>If toll denial is provided—<br>PK lamp lighted momentarily.<br>If testing SD-27550-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing heard in handset.<br>At distant office—<br>Call answered.<br>If testing SD-27550-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing silenced. |
| 15   | At MTF—<br>Request assistant to momentarily ring back on line.  | R- lamp momentarily lighted.  |
| 16   | Restore TLK key.<br><br><i>Note:</i> Before restoring TLK key, request assistant to momentarily ring back on the line when the disconnect signal is received and then disconnect. | At distant office—<br>Disconnect signal received.   |
| 17   | When disconnect signal is received at distant office—<br>Assistant momentarily rings back.  | If trunk under test is arranged for unrestricted ringback—<br>At MTF—<br>R- lamp momentarily lighted.<br>If trunk under test is arranged for restricted ringback—<br>At MTF—<br>R- lamp remains extinguished.   |
| 18   | At distant office—<br>Assistant disconnects from call.  | At MTF—<br>AS lamp extinguished.<br>If toll denial is provided—<br>PK lamp remains extinguished.<br>♦If ETS provided—<br>FT lamp extinguished.♦   |
| 19   | Momentarily operate RL key.   | All lamps extinguished.   |
| 20   | Restore all keys and switches not required in next test.  |   |
| <p><b>For SD-27546-01, SD-27550-01, SD-28062-01, SD-28063-01</b></p> <p><b>Trunk Test Circuit SD-25918-01 Arranged For Inband Coin Control Testing</b></p> |   |   |
| 21   | Select ♦coin♦ class of service and rate treatment as required.  |   |

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| STEP | ACTION   | VERIFICATION  |
|------|--|---|
| 22   | Select OGT class of test.  |   |
| 23   | Operate CN, TLK keys.  |   |
| 24   | Momentarily operate ST key.  | <p>◆If ETS provided—<br/>           FT lamp lighted.◆<br/>           AS lamp lighted.<br/>           If coin service improvement is provided—<br/>           PK lamp lighted.<br/>           If testing SD-27550-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>           Audible ringing heard in handset.<br/>           If E and M supervision is provided—<br/>           E lamp lighted.</p>  |
| 25   | Operate ANS key.   | <p>OGT-CS lamp lighted.<br/>           High tone heard.<br/>           If testing SD-27550-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>           Audible ringing silenced.<br/>           If automatic return of initial coin on operator answer is provided—<br/>           CR lamp is lighted momentarily.<br/>           CND lamp is lighted.</p>  |
| 26e  | <p>If automatic return of initial coin on operator answer is <i>not</i> provided—<br/>           Momentarily operate CR key.</p> | <p>CR lamp momentarily lighted<br/>           CND lamp lighted.</p>   |
| 27   | Momentarily restore CN key.  | CND lamp is extinguished.   |
| 28   | Operate TR key.  |   |
| 29   | Momentarily operate RBC key.   | <p>If trunk under test is arranged for unrestricted ringback—<br/>           R- lamp flashes.<br/>           If trunk under test is arranged for restricted ringback—<br/>           R- lamp remains extinguished.</p>  |
| 30   | Operate TLK key.   |   |
| 31   | Restore ANS key.   | <p>OGT-CS lamp extinguished.<br/>           If coin service improvement is provided—<br/>           PK lamp is extinguished.<br/>           If E and M supervision is provided—<br/>           E lamp extinguished.<br/>           AS lamp extinguished.<br/>           ◆If ETS provided—<br/>           FT lamp extinguished.<br/>           If testing SD-28062-01 and trunk is used for operator assistance without ANI—</p> |

| STEP   | ACTION  | VERIFICATION  |
|--|---|---|
|  |   | AS lamp remains lighted.<br>If ETS provided—<br>FT lamp remains lighted.♦   |
| 32   | Momentarily operate RL key.   | All lamps extinguished.   |
| 33   | Restore all keys and switches not required in next test.  |   |
| <p><b>For SD-27547-01, SD-27551-01, SD-28062-01, SD-28063-01</b></p> <p><b>Trunk Test Circuit SD-25918-01 Not Arranged For Inband Coin Control Testing</b></p> |   |   |
| 34   | Select coin class of service and rate treatment as required.  |   |
| 35   | Operate CN key.   |   |
| 36   | Select MISC class of test.  |   |
| 37   | Momentarily operate ST key.   | ♦If ETS provided—<br>FT lamp lighted.♦<br>AS lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp lighted.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing heard in handset.<br>At distant office—<br>Call answered.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing silenced.<br>If automatic return of initial coin on operator answer feature is provided—<br>At MTF—<br>CR lamp momentarily lighted.<br>CND lamp lighted. |
| 38e  | If automatic return of initial coin on operator answer is <i>not</i> provided—<br>Request assistant to return coin. | ♦At MTF—♦<br>CR lamp momentarily lighted.<br>CND lamp lighted.  |
| 39e  | Restore CN key.   | CND lamp extinguished.  |
| 40   | Request assistant to ring back on line.   | R- lamp momentarily lighted.  |
| 41   | Restore TLK key.  |   |

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| STEP | ACTION  | VERIFICATION   |
|------|---|--|
|      | <b>Note:</b> Before restoring TLK key, request assistant to momentarily ring back on the line when the disconnect signal is received and then disconnect. |  |
| 42   | When disconnect signal is received at distant office—<br>Assistant momentarily rings back on line.  | R- lamp momentarily lighted.   |
| 43   | At distant office—<br>Assistant disconnects from call.  | At MTF—<br>AS lamp extinguished.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp extinguished.<br>♦If ETS provided—<br>FT lamp extinguished.♦ |
| 44   | Momentarily operate RL key.   | All lamps extinguished.  |
| 45   | Restore all keys and switches not required in next test.  |  |

For SD-27547-01, SD-27551-01, SD-28062-01, SD-28063-01

Trunk Test Circuit SD-25918-01 *Arranged For Inband Coin Control Testing*

|    |  |   |
|----|--|---|
| 46 | Select coin class of service and rate treatment as required. |   |
| 47 | Operate CN key.  |   |
| 48 | Select OGT class of test.                                    |   |
| 49 | Momentarily operate ST key.                                  | ♦If ETS provided—<br>FT lamp lighted.♦<br>AS lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp lighted.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing heard in handset.<br>If E and M supervision is provided—<br>E lamp lighted. |
| 50 | Operate ANS key.   | OGT-CS lamp lighted.<br>High tone heard.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing silenced.   |

| STEP | ACTION  | VERIFICATION  |
|------|---|---|
|      |   | If automatic return of initial coin on operator answer feature is provided—<br>CR lamp momentarily lighted.<br>CND lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp momentarily extinguished. |
| 51e  | If automatic return of initial coin on operator answer is <i>not</i> provided—<br>Momentarily operate CR key. | CR lamp momentarily lighted.<br>CND lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp momentarily extinguished.  |
| 52   | Momentarily operate RBC key.  | Audible ringing momentarily heard in handset.<br>R- lamp momentarily lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp momentarily extinguished.  |
| 53   | Restore TLK key.  | High tone silenced.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp momentarily extinguished.<br>If E and M supervision is provided—<br>E lamp extinguished.   |
| 54   | Momentarily operate RBC key.  | R- lamp momentarily lighted.<br>E lamp momentarily lighted.   |
| 55   | Restore CN key.   | CND lamp extinguished.  |
| 56   | Restore ANS key.  | OGT-CS, AS lamps extinguished.<br>♦If ETS provided—<br>FT lamp extinguished.♦   |
| 57   | Momentarily operate RL key.   | All lamps extinguished.   |
| 58   | Restore all keys and switches not required in next test.  |   |

#### H. Coin Control

For SD-27547-01, SD-27551-01, SD-28062-01,  
SD-28063-01

Trunk Test Circuit SD-25918-01 *Not Arranged For*  
Inband Coin Control Testing

- 12 Select coin class of service and rate treatment as required.

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| STEP | ACTION   | VERIFICATION   |
|------|--|--|
| 13   | Operate CN key.  |  |
| 14e  | If coin service improvement (dial-tone-first) feature is provided—<br>Operate DTNF key.                    |  |
| 15   | Select MISC class of test.   |  |
| 16   | Momentarily operate ST key.  | <p>◆If ETS provided—<br/>           FT lamp lighted.◆<br/>           AS lamp lighted.<br/>           If coin service improvement (dial-tone-first) feature is provided—<br/>           PK lamp lighted.<br/>           If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>           Audible ringing heard in handset.<br/>           At distant office—<br/>           Call answered.<br/>           If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>           Audible ringing silenced.<br/>           If automatic return of initial coin on operator answer feature is provided—<br/>           At MTF—<br/>           CR lamp momentarily lighted.<br/>           CND lamp lighted.<br/>           If coin service improvement (dial-tone-first) feature is provided—<br/>           CPT lamp momentarily lighted.<br/>           OLF lamp not lighted.</p> |
| 17f  | If automatic return of initial coin on operator answer feature is provided—<br>Momentarily restore CN key. | CND lamp extinguished.   |
| 18   | Request assistant to collect coin.   | <p>CC lamp momentarily lighted.<br/>           CND lamp lighted.<br/>           If coin service improvement (dial-tone-first) feature is provided—<br/>           PK lamp momentarily extinguished.<br/>           CPT lamp momentarily lighted.<br/>           OLF lamp not lighted.</p>  |
| 19   | Request assistant to collect coin.   | <p>CC lamp remains extinguished.<br/>           If coin service improvement (dial-tone-first) feature is provided—<br/>           PK lamp momentarily extinguished.</p>  |
| 20   | Momentarily restore CN key.  | CND lamp extinguished.   |

| STEP   | ACTION  | VERIFICATION   |
|--|---|--|
| 21   | Request assistant to return coin.   | CR lamp momentarily lighted.<br>CND lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp momentarily extinguished.<br>CPT lamp momentarily lighted.<br>OLF lamp not lighted.   |
| 22   | Request assistant to return coin.   | CR lamp remains extinguished.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp momentarily extinguished.   |
| 23   | Restore CN key.   | CND lamp extinguished.   |
| 24   | Request assistant to disconnect.  | AS lamp extinguished.<br>◆If ETS provided—<br>FT lamp extinguished.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistant without ANI—<br>AS lamp remains lighted.<br>If ETS provided—<br>FT lamp remains lighted.◆<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp extinguished. |
| 25e  | If coin service improvement (dial-tone-first) feature is provided—<br>Restore DTNF key. |  |
| 26   | Momentarily operate RL key.   | All lamps extinguished.  |
| 27   | Restore all keys and switches not required in next test.                                |  |
| <b>For SD-27547-01, SD-27551-01, SD-28062-01, SD-28063-01 With Inband Coin Control</b> |   |  |
| <b>Trunk Test Circuit SD-25918-01 Arranged For Inband Coin Control Testing</b>         |   |  |
| 28   | Select coin class of service and rate treatment as required.                            |  |
| 29   | Operate CN key.   |  |
| 30e  | If coin service improvement (dial-tone-first) feature is provided—<br>Operate DTNF key. |  |
| 31   | Select OGT class of test.   |  |

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| STEP | ACTION   | VERIFICATION   |
|------|--|--|
| 32   | Momentarily operate ST key.  | ♦If ETS provided—<br>FT lamp lighted.♦<br>AS lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp lighted.<br>If E and M supervision is provided—<br>E lamp lighted.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing heard in handset.  |
| 33   | Operate ANS key.   | High tone heard.<br>OGT-CS lamp lighted.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing silenced.<br>If automatic return of initial coin on operator answer feature is provided—<br>CR lamp momentarily lighted.<br>CND lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp momentarily extinguished.<br>CPT lamp momentarily lighted.<br>OLF lamp not lighted. |
| 34f  | If automatic return of initial coin on operator answer feature is not provided—<br>Momentarily operate CR key. | CR lamp momentarily lighted.<br>CND lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp momentarily extinguished.   |
| 35   | Momentarily restore CN key.  | CND lamp extinguished.   |
| 36   | Momentarily operate CC key.  | CC lamp momentarily lighted.<br>CND lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp momentarily extinguished.<br>CPT lamp momentarily lighted.<br>OLF lamp not lighted.   |
| 37   | Momentarily operate CC key.  | CC lamp remains extinguished.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp momentarily extinguished.   |
| 38   | Momentarily restore CN key.  | CND lamp extinguished.   |
| 39   | Momentarily operate CR key.  | CR lamp momentarily lighted.<br>CND lamp lighted.  |

| STEP   | ACTION   | VERIFICATION  |
|--|--|---|
|  |  | If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp momentarily extinguished.<br>CPT lamp momentarily lighted.<br>OLF lamp not lighted.   |
| 40   | Momentarily operate CR key.  | CR lamp remains extinguished.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp momentarily extinguished.  |
| 41   | Restore CN key.  | CND lamp extinguished.  |
| 42   | Restore ANS key.   | OGT-CS, AS lamp extinguished.<br>♦If ETS provided—<br>FT lamp extinguished.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>AS lamp remains lighted<br>If ETS provided—<br>FT lamp remains lighted.♦<br>If E and M supervision is provided—<br>E lamp extinguished.<br>High tone silenced. |
| 43   | Momentarily operate RL key.  | All lamps extinguished.   |
| 44   | Restore all keys and switches not required in next test.   |   |
| <b>I. False-Busy and False-Idle Conditions</b> |  |   |
| 1  | At relay rack frame—<br>Connect power to 1A fault locator; set W-T switch to W and set HR-LRT switch to LRT.   | Whistle heard.  |
| 2  | When trunk under test is idle—<br>Block operated BY relay.   |   |
| 3a   | If trunk under test is SD-27546-01, SD-27550-01, SD-27551-01, SD-28062-01 or SD-28063-01—<br>Connect WT jack of 1A fault locator to terminal 45 of terminal strip A on unit. | Whistle silenced.   |
| 4b   | If trunk under test is SD-27547-01—<br>Connect WT jack of 1A fault locator to terminal 45 of terminal strip on unit.   | Whistle silenced.   |
| 5  | At MTF—<br>Insert make-busy plugs into OGT-MB jacks of all other trunks, using same route on same trunk link frame.  | At relay rack frame—<br>Whistle heard.  |

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| <b>STEP</b> | <b>ACTION</b>  | <b>VERIFICATION</b>                               |
|-------------|--|---|
| 6           | Momentarily remove blocking tool from BY relay.  | Whistle silenced while blocking tool was removed. |
| 7           | At MTF—<br>Remove make-busy plugs from trunks, using same route on same trunk link frame.  | At relay rack frame—<br>Whistle silenced.         |
| 8a          | If trunk under test is SD-27546-01, SD-27550-01, SD-27551-01, SD-28062-01, SD-28063-01—<br>Connect HRG to terminal 55 of terminal strip A on unit. |   |
| 9a          | Remove test connection from terminal 45 and connect to terminal 15 of terminal strip A on unit.  | Whistle heard.                                    |
| 10b         | If trunk under test is SD-27547-01—<br>Connect HRG to terminal 55 of terminal strip on unit.   |   |
| 11b         | Remove test connection from terminal 45 and connect to terminal 15 of terminal strip on unit.  | Whistle heard.                                    |
| 12          | Remove blocking tool from BY relay.  | Whistle silenced.                                 |
| 13          | Remove test connections from terminal strip.   |   |
| 14          | Remove power from 1A fault locator.  |   |

**J. Disable Coin Features**

**FOR SD-27547-01, SD-27551-01, SD-28062-01, SD-28063-01**

**Trunk Test Circuit SD-25918-01 *Not Arranged For Inband Coin Control Testing***

|    |   |  |
|----|---|--|
| 12 | Select noncoin class of service and rate treatment as required. |  |
| 13 | Select MISC class of test.                                      |  |
| 14 | Momentarily operate ST key.                                     | <p>◆If ETS provided—<br/>                     FT lamp lighted.◆<br/>                     AS lamp lighted.<br/>                     If coin service improvement (dial-tone-first) feature is provided—<br/>                     PK lamp not lighted.<br/>                     If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br/>                     Audible ringing heard in handset.</p> |

| STEP   | ACTION  | VERIFICATION  |
|--|---|---|
|  |   | At distant office—<br>Call answered.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing silenced.<br>Coin signal not received.  |
| 15   | At MTF—<br>Operate CN key.                                      |   |
| 16   | Request assistant to collect coin.                              | CC lamp remains extinguished.   |
| 17   | Request assistant to return coin.                               | CR lamp remains extinguished.   |
| 18   | Restore CN key.   |   |
| 19   | Request assistant to disconnect.                                | AS lamp extinguished.<br>♦If ETS provided—<br>FT lamp extinguished.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>AS lamp remains lighted.<br>If ETS provided—<br>FT lamp remains lighted.♦  |
| 20   | Momentarily operate RL key.                                     | All lamps extinguished.   |
| 21   | Restore all keys and switches not required in next test.        |   |
| <b>For SD-27547-01, SD-27551-01, SD-28062-01<br/>SD-28063-01</b>                   |   |   |
| <b>Trunk Test Circuit SD-25918-01 Arranged For Inband<br/>Coin Control Testing</b> |   |   |
| 22   | Select noncoin class of service and rate treatment as required. |   |
| 23   | Select OGT class of test.                                       |   |
| 24   | Momentarily operate ST key.                                     | ♦If ETS provided—<br>FT lamp lighted.♦<br>AS lamp lighted.<br>If coin service improvement (dial-tone-first) feature is provided—<br>PK lamp not lighted.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing heard in handset.<br>If E and M supervision is provided—<br>E lamp lighted. |

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| STEP | ACTION   | VERIFICATION  |
|------|--|---|
| 25   | Operate ANS key.   | OGT-CS lamp lighted.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing silenced.   |
| 26   | Operate CN key.  |   |
| 27   | Momentarily operate CC key.                              | CC lamp remains extinguished.   |
| 28   | Momentarily operate CR key.                              | CR lamp remains extinguished.   |
| 29   | Restore CN, ANS keys.                                    | OGT-CS, AS lamps extinguished.<br>♦If ETS provided—<br>FT lamp extinguished.<br>If testing SD-27551-01, SD-28062-01 and trunk is used for operator assistance without ANI—<br>AS lamp remains lighted.<br>If ETS provided—<br>FT lamp remains lighted.♦ |
| 30   | Momentarily operate RL key.                              | All lamps extinguished.   |
| 31   | Restore all keys and switches not required in next test. |   |

**K. Call Through Tandem Office**

**Note:** Refer to 1.07.

|   |   |                         |
|---|---|-------------------------|
| 1 | At MTF—<br>Restore all keys and switches.   |                         |
| 2 | Momentarily operate RL key.   | All lamps extinguished. |
| 3 | Operate FS, TS, MISC, KY, TLK keys.   |                         |
| 4 | Select marker.  |                         |
| 5 | Select outgoing trunk.  |                         |
| 6 | Operate GPA/GPB key as required for selected group when trunk is in an allotted subgroup.             |                         |
| 7 | Select LT2 translator indication.   |                         |
| 8 | Select A_ through K_ digits as required to direct call to incoming trunk test line in distant office. |                         |
| 9 | Select class of service and rate treatment as required.   |                         |

| STEP | ACTION  | VERIFICATION   |
|------|---|--|
| 10   | Momentarily operate ST key.   | ◆If ETS provided—<br>FT lamp lighted.◆<br>AS lamp lighted.<br>If trunk under test is SD-27546-01 or SD-27550-01<br>and toll denial is provided—<br>PK lamp lighted.<br>If test call is ANI—<br>At distant office—<br>Call completed.<br>TIC TOC heard.<br>If test call is non-ANI—<br>At distant office—<br>Operator answered. |
|      |   | <i>Note:</i> If coin class of call is being used in<br>test, operator may cut in on the call and<br>request an additional deposit depending on<br>local rates. When this occurs inform the<br>operator that this is a test call and to process<br>it as if the additional deposits were made.                                  |
| 11a  | If test call is non-ANI—<br>When operator answers—<br>At MTF—<br>Give operator telephone number associated<br>with originating test line. | At distant office—<br>Call completed.<br>TIC TOC heard.  |
| 12b  | If trunk under test is SD-27547-01, SD-27551-01,<br>SD-28062-01, or SD-28063-01—<br>Operate CN key.                                       |  |
| 13   | At MTF—<br>Restore TLK key.   | Call disconnected.<br>TIC TOC silenced.<br>AS lamp extinguished.<br>PK lamp extinguished, if lighted.<br>If trunk under test is SD-27547-01, SD-27551-01,<br>SD-28062-01, or SD-28063-01—<br>CR lamp momentarily lighted.<br>CND lamp lighted.   |
| 14b  | If trunk under test is SD-27547-01, SD-27551-01,<br>SD-28062-01, or SD-28063-01—<br>Restore CN key.                                       | CND lamp extinguished.   |
| 15   | Momentarily operate RL key.   | All lamps extinguished.  |
| 16   | Restore all keys and switches.  |  |

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| STEP                         | ACTION  | VERIFICATION   |
|------------------------------|---|--|
| L. Multiple Wink Supervision |   |  |
| SD-28062-01, SD-28063-01     |   |  |
| 12                           | Select coin class of service and rate treatment as required.  |  |
| 13                           | Operate CN key.   |  |
| 14                           | Operate DTNF key.   |  |
| 15                           | Select OGT class of test.   |  |
| 16                           | Momentarily operate ST key.   | ♦If ETS provided—<br>FT lamp lighted.♦<br>AS lamp lighted.<br>If E & M supervision is provided—<br>E lamp lighted.<br>If testing SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing heard in handset.<br>PK lamp lighted.   |
| 17                           | Operate ANS key.  | OGT-CS lamp lighted.<br>High tone heard.<br>If testing SD-28062-01 and trunk is used for operator assistance without ANI—<br>Audible ringing silenced.<br>If automatic return of initial coin on operator answer feature is provided—<br>CR lamp momentarily lighted.<br>CND lamp lighted.<br>CPT lamp momentarily lighted.<br>PK lamp momentarily extinguished. |
| 18e                          | If automatic return of initial coin on operator answer feature is <i>not</i> provided—<br>Momentarily operate CR key. | CR lamp momentarily lighted.<br>CND lamp lighted.  |
| 19                           | Restore CN key.   | CND lamp extinguished.   |
| 20                           | Set PLGN switch to 1.   |  |
| 21                           | Operate PLST key.   | OGT-CS lamp flashes once.<br>PK lamp extinguished.   |
| 22                           | Restore PLST key.   |  |
| 23                           | Set PLGN switch to 2.   |  |
| 24                           | Operate PLST key.   | OGT-CS lamp flashes 2 times.<br>PK lamp lighted.   |

| STEP | ACTION  | VERIFICATION   |
|------|---|--|
| 25   | Restore PLST key.   |  |
| 26   | Set PLGN switch to 3.   |  |
| 27   | Operate CN key.   |  |
| 28   | Operate PLST key.   | OGT-CS lamp flashes 3 times.<br>CC, CPT lamps momentarily lighted.<br>CND lamp lighted.<br>PK lamp momentarily extinguished. |
| 29   | Restore CN, PLST keys.  | CND lamp extinguished.   |
| 30   | Set PLGN switch to 4.   |  |
| 31   | Operate CN key.   |  |
| 32   | Operate PLST key.   | OGT-CS lamp flashes 4 times.<br>CR, CPT lamps momentarily lighted.<br>CND lamp lighted.<br>PK lamp momentarily extinguished. |
| 33   | Restore CN, PLST keys.  | CND lamp extinguished.   |
| 34   | Set PLGN switch to 5.   |  |
| 35   | Restore TLK key.  | High tone heard.<br>PK lamp extinguished.<br>If E and M supervision is provided—<br>E lamp extinguished.                     |
| 36   | Operate PLST key.   | OGT-CS lamp flashes 5 times.<br>R- lamp flashes.<br>If E and M supervision is provided—<br>E lamp flashes.                   |
| 37   | Restore PLST key.   |  |
| 38g  | If unrestricted ringback feature is provided—<br>Operate TLK key. | High tone heard.<br>PK lamp lighted.<br>If E and M supervision is provided—<br>E lamp lighted.                               |
| 39   | Operate PLST key.   | OGT-CS lamp flashes 5 times.<br>R- lamp flashes.<br>Audible ringing heard in handset.<br>PK lamp momentarily extinguished.   |
| 40   | Restore PLST key.   |  |
| 41   | Operate PLMN key.   |  |

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| STEP | ACTION   | VERIFICATION  |
|------|--|---|
| 42   | Repeat Steps 20 through 40.                              |   |
| 43   | Restore PLMN key.  |   |
| 44   | Operate PLMX key.  |   |
| 45   | Repeat Steps 20 through 40.                              |   |
| 46   | Restore PLMX key.  |   |
| 47   | Restore ANS key.   | OGT-CS lamp extinguished.<br>High tone silenced.<br>In approximately 1 second—<br>AS lamp extinguished.<br>If E and M supervision is provided—<br>E lamp extinguished.<br>PK lamp extinguished. |
| 48   | Momentarily operate RL key.                              | All lamps extinguished.   |
| 49   | Restore all keys and switches not required in next test. |   |