

**SUBSCRIBER RECORDING-COMPLETING TRUNKS
AND SPECIAL SERVICE TRUNKS
TESTS USING OUTGOING TRUNK TEST FRAME SD-25177-01
NO. 1 CROSSBAR OFFICES**

1. GENERAL

1.01 This section describes a method of testing subscriber recording-completing trunks and special service trunks by means of the outgoing trunk test frame SD-25177-01 in No. 1 crossbar offices.

1.02 This section is reissued for the following reasons:

- (a) To add Tests N.1 and T.1 for recording-completing trunks SD-25218-01 for those trunks arranged for coin service improvement features.
- (b) To add Tests AL.1 and AS.1 for recording-completing trunks SD-55946-01 for those trunks arranged for coin service improvement features.
- (c) To add Tests BB.1 and BG.1 for special service trunks SD-96210-01 for those trunks arranged for coin service improvement features.
- (d) To add Test BH.1 for special service trunks SD-1B067-01, SD-55183-01, and SD-56278-01 for those trunks arranged for coin service improvement features.
- (e) To revise Tests S and AR to include coin current tests of trunks arranged for coin service improvement features.
- (f) To include recording-completing trunks SD-27877-01 in Tests A through J.
- (g) To include special service trunks SD-1B067-01, SD-55183-01, and SD-56278-01 in Tests BA through BH.1.

This reissue affects the Equipment Test List.

1.03 The tests covered are:

**SUBSCRIBER RECORDING-COMPLETING TRUNKS
SD-25124-01, SD-55430-01, and SD-27877-01.**

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- A. False Ground on S Lead:** Checks the trunk S lead for false ground 9
- B. A Relay Operate, S Lead Continuity, Tip and Ring Polarity:** Checks the ability of the trunk A relay to operate on a maximum subscriber loop, checks the continuity of the trunk S lead, and checks the continuity and polarity of the trunk tip and ring conductors. 9
- C. Subscriber Hold Test:** Checks the ability of the trunk to hold under control of the originating subscriber. 10
- D. Flash and Release of A Relay:** Checks the ability of the trunk A relay to release against a fixed resistance as set by one of the following operated keys: ADJ1 (3100 ohms), ADJ2 (4224 ohms), ADJ3 (7794 ohms), RNCO or RCO (10,000 ohms) where ADJ1, ADJ2, or ADJ3 keys are not equipped. This test also checks the ability of the trunk to flash the toll switchboard supervisory lamp and to hold the trunk under control of the toll operator. 10
- E. Ringback Test—Trunk Arranged for Unrestricted Use of Recall Feature and Not Equipped With Emergency Ringback:** Checks the trunk ringing circuit of trunks wired for unrestricted use of recall and not equipped with emergency ringback. 10

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F. Ringback Test—Trunk Arranged for Unrestricted Use of Recall Feature and Equipped With Emergency Ringback SD-95083-01: Checks the regular and emergency ringing circuit of trunks wired for unrestricted use of recall and equipped with emergency ringback SD-95083-01.	11
G. Ringback Test—Trunk Arranged for Restricted Use of Recall Feature and Not Equipped With Emergency Ringback: Checks the ringing circuit of trunks wired for restricted use of recall and not equipped with emergency ringback.	12
H. Ringback Test—Trunk Arranged for Restricted Use of Recall Feature and Equipped With Emergency Ringback SD-95083-01: Checks the regular and emergency ringing circuit of trunks wired for restricted use of recall and equipped with ringback. It also checks the restricted feature which is canceled when emergency ringing is used.	13
I. Number Checking—When Provided: Checks the trunk number checking path.	14
J. Disconnection and S1 Lead Continuity: Checks the ability of the trunk to give the proper signal to the toll operator upon disconnection of the originating subscriber. It also checks the trunk S1 lead for continuity and false ground and that the trunk circuit restores to normal when both the originating subscriber and toll operator disconnect.	14
SUBSCRIBER RECORDING-COMPLETING TRUNK, SD-25218-01.	
K. False Ground on S Lead: Checks the trunk S lead for false ground.	15
L. A and S Relay, S Lead, Tip and Ring Polarity—Test Frame Equipped with SO and SNO keys: This test	

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applies a nonoperate test on the trunk S relay, checks the ability of trunk A relay to operate on a maximum subscriber loop, checks the continuity of the trunk S lead, and the continuity and polarity of the trunk tip and ring conductors.	15
M. S Relay, Automatic Coin Return—Test Frame Equipped with SO and SNO keys: Checks the ability of the S relay to operate on operate current and the ability of the trunk to automatically return the initial coin.	15
N. A Relay, S Lead, Tip and Ring Polarity, Automatic Coin Return—Test Frame Not Equipped with SO and SNO keys: Checks the ability of the trunk A relay to operate on a maximum subscriber loop, checks the continuity of the trunk S lead and the continuity and polarity of the trunk tip and ring conductors. It also checks that the initial coin is automatically returned after the toll operator answers.	16
N.1 A Relay, S Lead, Tip and Ring Polarity, Positive Battery, Automatic Coin Return—Coin Service Improvement Features Provided: Checks the ability of the trunk A relay to operate on a maximum subscriber loop, checks the continuity of the trunk S lead, the continuity and polarity of the trunk tip and ring conductors, and checks for the presence of positive battery.	16
O. Subscriber Hold Test: Checks the ability of the trunk to hold under control of the originating subscriber.	16
P. Flash and Release of A Relay: Checks the ability of the trunk A relay to release against a fixed resistance subscriber loop as set by one of the following operated keys: ADJ1 (3100 ohms), ADJ2 (4224 ohms), RNCO or RCO (10,000 ohms) where the ADJ1 and ADJ2 keys are not equipped. It also checks the ability of the trunk to flash	

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the toll switchboard supervisory lamp and to hold the trunk under control of the toll operator.	17	SUBSCRIBER RECORDING-COMPLETING TRUNK SD-25424-01—TEST FROM COIN APPEARANCE.	
Q. Ringback Test: This test checks the ringing circuit of the trunk.	17	V. False Ground on S Lead: This test checks the trunk S lead for false ground.	20
R. Number Checking Test—When Provided: Checks the trunk number checking feature.	17	W. A Relay Operate Test, S Lead Continuity, Tip and Ring Polarity: Checks the ability of the trunk A relay to operate on a maximum subscriber loop. It also checks the continuity of the trunk S lead and the continuity and polarity of the trunk tip and ring conductors.	20
S. Coin Collect and Return: Checks the ability of the trunk to collect and return the coin under control of the operator. It also checks that the proper signals are received by the operator.	18	X. Subscriber Hold Test: Checks the ability of the trunk to hold under control of the originating subscriber.	21
T. Automatic Coin Collect After Disconnect—Coin Service Improvement Features Not Provided: Checks the ability of trunks not arranged with coin service improvement features to give the proper signal to the toll operator upon disconnection of the originating subscriber. It also checks the ability of the trunk coin supervisory circuit to automatically collect the coin after disconnection.	19	Y. A Relay Flash and Release: Checks the ability of the trunk A relay to release against a fixed resistance subscriber loop as set by one of the following operated keys: ADJ1 (3100 ohms), ADJ2 (4224 ohms), RNCO or RCO (10,000 ohms) where the ADJ1 and ADJ2 keys are not equipped). It also checks the ability of the trunk to flash the toll switchboard supervisory lamp and to hold under control of the toll operator.	21
T.1 Automatic Coin Collect After Disconnect—Coin Service Improvement Features Provided: Checks the ability of trunks arranged with coin service improvement features to give the proper signal to the toll operator upon disconnection of the originating subscriber. It also checks the ability of the trunk coin supervisory circuit to automatically collect the coin after disconnection.	19	Z. Number Checking Test—When Provided: Checks the trunk number checking feature.	21
U. S1 Lead Continuity: Checks the trunk S1 lead for continuity and false ground and checks that the trunk circuit releases upon disconnection by both the toll operator and originating subscriber.	20	AA. Disconnection and Automatic Coin Return: Checks the ability of the trunk to give the proper signal to the toll operator upon disconnection of the originating subscriber. It also checks the ability of the trunk to automatically return the initial coin after disconnection.	22
		AB. S1 Lead Continuity: Checks the trunk S1 lead for continuity and false ground and checks that the trunk circuit releases upon disconnection of both the toll operator and the originating subscriber.	22

AC. Trunk Coin Supervisory Functions:

Checks the ability of the trunk coin supervisory circuit to detect a stuck coin or tip conductor ground, to properly signal the sender monitor operator, and to hold under control of the release jack at the sender monitor position. It also checks that the equipment room alarm is sounded if a coin supervisory signal is unattended within a period of approximately 28 seconds. **23**

of the originating subscriber. It also checks that the trunk coin supervisory circuit does not function when the trunk circuit is employed in a noncoin call. **26**

AJ. S1 Lead Continuity: Checks the trunk S1 lead for continuity and false ground and checks that the trunk circuit releases upon disconnection by both the toll operator and originating subscriber. **26**

SUBSCRIBER RECORDING-COMPLETING TRUNK SD-25424-01—TEST FROM NONCOIN APPEARANCE.

SUBSCRIBER RECORDING-COMPLETING TRUNK SD-55946-01.

AD. False Ground on S Lead: Checks the trunk S lead for false ground. **24**

AK. False Ground on S Lead: This test checks the trunk S lead for false ground. **27**

AE. A Relay Operate, S Lead Continuity, Tip and Ring Polarity: Checks the ability of the trunk A relay to operate on a maximum subscriber loop. It also checks the continuity of the trunk S lead, and the continuity and polarity of the trunk tip and ring conductors. **24**

AL. A Relay, S Lead Continuity, Tip and Ring Polarity, and Automatic Coin Return—Coin Service Improvement Feature Not Provided: Checks the ability of the trunk A relay to operate on a maximum trunk loop. It also checks the continuity of the trunk S lead and the continuity and polarity of the trunk tip and ring conductors. A check is also made of the ability of the trunk circuit to automatically return the initial coin after the toll operator answers. **27**

AF. Subscriber Hold Test: Checks the ability of the trunk to hold under control of the originating subscriber. **25**

AL.1 A Relay, S Lead Continuity, Tip and Ring Polarity, Positive Battery, and Automatic Coin Return—Coin Service Improvement Features Provided: Checks coin trunks arranged for coin service improvement features for the ability of the A relay to operate on a maximum trunk loop. It also checks continuity of the S lead, continuity and polarity of the trunk tip and ring conductors, and checks for presence of positive battery. A check is also made of the ability of the trunk circuit to automatically return the initial coin after the toll operator answers. **27**

AG. A Relay Flash and Release: Checks the ability of the trunk A relay to release against a fixed resistance subscriber loop as set by one of the following operated keys: ADJ1 (3100 ohms), ADJ2 (4224 ohms), RNC0 or RCO (10,000 ohms) where the ADJ1 and ADJ2 keys are not equipped). It also checks the ability of the trunk to flash the toll switchboard supervisory lamp and to hold the trunk under control of the toll operator. **25**

AH. Number Checking Test—When Provided: Checks the trunk number checking feature. **25**

AI. Disconnection: Checks the ability of the trunk to give the proper signal to the toll operator upon disconnection

AM. Subscriber Hold Test: Checks the ability of the trunk to hold under control of the originating subscriber. **28**

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<p>AN. A Relay Flash and Release: Checks the ability of the trunk A relay to release against a fixed resistance subscriber loop as set by one of the following operated keys: ADJ2 (4224 ohms), RNCO or RCO (10,000 ohms) where the ADJ2 key is not equipped). It also checks the ability of the trunk to flash the toll switchboard supervisory lamp and to hold the trunk under control of the toll operator.</p>	<p>the trunk coin supervisory circuit to automatically collect the coin after disconnection.</p>
28	32
<p>AO. Ringback Test—Trunk Not Equipped With Emergency Ringback: Checks the trunk ringing circuit where the trunks are not equipped with emergency ringback.</p>	<p>AT. S1 Lead Continuity: Checks the trunk S1 lead for continuity and false ground and checks that the trunk circuit releases upon disconnection of both the toll operator and originating subscriber.</p>
28	32
<p>AP. Ringback Test—Trunk Equipped With Emergency Ringback SD-95083-01: Checks the trunk ringing circuit where the trunk is equipped with emergency ringback.</p>	<p>INCOMING TRUNK TO SPECIAL SERVICE OPERATOR SD-25116-01.</p>
29	<p>AU. False Ground on S Lead: Checks the trunk S lead for false ground.</p>
29	32
<p>AQ. Number Checking—When Provided: Checks the trunk number checking feature.</p>	<p>AV. L Relay Operate, S Lead Continuity, Tip and Ring Polarity: Checks the ability of the trunk L relay to operate on a maximum subscriber loop. It also checks the continuity of the trunk S lead and the continuity and polarity of the trunk tip and ring conductors.</p>
30	33
<p>AR. Coin Collect and Return: Checks the ability of the trunk to collect and return the coin under control of the operator. It also checks that the operator receives the proper signal.</p>	<p>AW. Subscriber Hold Test: Checks the ability of the trunk to hold under control of the originating subscriber.</p>
31	33
<p>AS. Disconnection and Automatic Coin Collect—Coin Service Improvement Features Not Provided: Checks the ability of the trunk to give the proper signal to the toll operator upon disconnection of the subscriber. It also checks the ability of the trunk coin supervisory circuit to automatically collect the coin after disconnection.</p>	<p>AX. L Relay Release Test: Checks the ability of the trunk L relay to release against a fixed resistance of 10,000 ohms.</p>
31	33
<p>AS.1 Disconnection and Automatic Coin Collect—Coin Service Improvement Features Provided: Checks the ability of trunks arranged with coin service improvement features to give the proper signal to the toll operator upon disconnection of the originating subscriber. It also checks the ability of</p>	<p>AY. Number Checking Test—When Provided: Checks the trunk number checking feature.</p>
31	34
<p>AS.1 Disconnection and Automatic Coin Collect—Coin Service Improvement Features Provided: Checks the ability of trunks arranged with coin service improvement features to give the proper signal to the toll operator upon disconnection of the originating subscriber. It also checks the ability of</p>	<p>AZ. Disconnection and S1 Lead Continuity: Checks the ability of the trunk to give the proper signal to the operator upon disconnection of the originating subscriber. It also checks the trunk S1 lead for continuity and false ground and that the trunk circuit releases upon disconnection of both the operator and originating subscriber.</p>
31	35

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SPECIAL SERVICE TRUNK TO CENTRAL A SWITCHBOARD SD-96209-01 AND SD-96210-01.	
◆INCOMING TRUNK TO SPECIAL SERVICE OPERATOR SD-1B067-01.	
 SPECIAL SERVICE TRUNK TO TOLL SWITCHBOARD SD-55183-01 AND SD-56278-01.◆	
 BA. False Ground on S Lead: Checks the trunk S lead for false ground.	35
 BB. L Relay Operate, S Lead Continuity, Tip and Ring Polarity—Coin Service Improvement Features Not Provided: Checks the ability of the trunk L relay to operate on a maximum subscriber loop. It also checks the continuity of the trunk S lead, and the continuity and polarity of the trunk tip and ring conductors.	35
 BB.1◆L Relay Operate, S Lead Continuity, Tip and Ring Polarity, and Test for Positive Battery—Coin Service Improvement Features Provided: Checks the ability of the trunk L relay to operate on a maximum subscriber loop. It also checks continuity of the trunk S lead, continuity and polarity of the tip and ring conductors, and makes a test for positive battery.◆	36
 BC. Subscriber Hold Test: Checks the ability of the trunk to hold under control of the originating subscriber.	36
 BD. L Relay Flash and Release Test, SD-96209-01 Only: Checks the ability of the trunk L relay to release against a fixed resistance of 4224 ohms where the ADJ2 key is provided, or 10,000 ohms where the ADJ2 key is not provided and the RNC0 key is operated. It also checks the ability of the trunk to flash the A switchboard supervisory lamp and to hold the trunk under control of the operator.	37

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 BE. L Relay Flash and Release Test, SD-96210-01 Only: Checks the ability of the trunk L relay to release against a fixed resistance of 10,000 ohms.	37
 BF. Ringback Test: Checks the trunk ringing circuit.	37
 BG. Coin Collect and Return—Coin Service Improvement Features Not Provided: Checks the ability of the coin trunk not arranged for coin service improvement features to collect and return the coin under control of the operator. It also checks that proper signals are received by the operator.	38
 BG.1◆Coin Collect and Return—Coin Service Improvement Features Provided: Checks the ability of the coin trunk arranged for coin service improvement features to collect and return the coin under control of the operator. It also checks that proper signals are received by the operator.◆	39
 BH. Disconnection, S1 Lead Continuity, SD-96209-01 and SD-96210-01: Checks the ability of the trunk to give the proper signal to the operator upon disconnection of the originating subscriber. It also checks the trunk S1 lead for continuity and false ground and that the trunk circuit releases upon disconnection of both the operator and originating subscriber.	39
 BH.1◆Disconnection, S1 Lead Continuity, and Coin Disposal, SD-1B067-01, SD-55183-01, and SD-56278-01: Checks the ability of the trunk to give the proper signal to the operator upon disconnection of the originating subscriber. It also checks S1 lead for continuity and false ground, checks coin disposal features, and checks that the trunk circuit releases upon disconnection of both the operator and originating subscriber.◆	40
 BI. Alarm for Grounded Interrupter Lead of Common Timing Circuit	

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SD-96209-01: Checks the ability of the common timing circuit, used on trunks arranged for individual and 4-party selective ringing (SD-96209-01 Fig. 7), to give an alarm when the interrupter lead becomes falsely grounded.

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1.04 These tests require the services of an assistant or operator at the toll or central A switchboard. An assistant may be required on Tests AC and BI to observe the alarm and pilot lamps associated with the coin control and common timing circuit equipment.

1.05 When testing the subscriber recording-completing trunk SD-25424-01, it may be necessary to apply tests from both coin and noncoin appearances. Tests V, X, Y, and Z which are in the group of tests made from the coin appearance check the same functions as Tests AD, AF, AG, and AH which are in the group of tests made from the noncoin appearance. These tests are arranged in this manner in order to provide for a complete check of all functions and circuit paths in each group for offices having a single appearance of this trunk circuit.

1.06 If a trunk has been made busy by means of a make-busy plug or operated make-busy key, remove the busy condition when performing the S1 lead continuity tests described in this section. On all other tests, operation of the no test key NT1 will allow the test circuit to proceed without the removal of the busy test condition.

1.07 Consult office records to determine the test line number to be used on the number check tests.

1.08 In the verification of certain steps of several tests, an operator may answer before the ringing interval, therefore ringing tone will not be

heard. If this happens, disconnect and repeat the step.

1.09 Lettered Steps: 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.

2. APPARATUS

All Tests Except BI

- 2.01** Outgoing Trunk Test Frame J28550 (SD-25177-01).
- 2.02** Head telephone set.
- 2.03** P3F cord, 4 feet long, equipped with 309 plug and 310 plug (3P12A cord).
- 2.04** P3F cord, 4 feet long, equipped with 309 plug and 310 plug (3P12B cord).
- 2.05** 322A make-busy plug.

Tests F, H, AP, and BF

- 2.06** 716C receiver, equipped with one KS-6278 tool and one 411A tool.
- 2.07** Incoming trunk test set J24751A (SD-25187-01).
- 2.08** W2T cord, 9 feet long, equipped with 310 plug (2W16A cord).

Test BI

- 2.09** 893 cord, equipped with two 360A tools, one 411A tool, and one KS6278 tool.

3. PREPARATION

STEP	ACTION	VERIFICATION
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Tests A through BH.1

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| 1 | Restore all test frame keys to normal. | |
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STEP	ACTION	VERIFICATION
2a	If ON1 lamp is lighted— Momentarily operate DISC1 key.	ON1 lamp extinguished.
3	Patch T1 jack to T jack of trunk to be tested. <i>Caution: If trunk is found busy on a service call (indicated by BY1 and ON1 lamps lighted), discontinue testing until trunk becomes idle.</i>	
4	Patch MB jack to T and MB jack or S jack as provided for the trunk to be tested.	
5	Insert plug of head telephone set into telephone jack.	
6b	If a number check test is to be made— Insert 322A plug in TL jack associated with office unit. <i>Note: If a plug is found in any other TL jack, remove it.</i>	

Tests A through AW, AY through BD, and BF through BH

7	Operate TST1, SUB REC, and NO SDR1 keys.	ON1 and RC lamps lighted.
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Tests B Through J

8c	◆If ADJ1 and ADJ2 keys only are furnished— Operate ADJ1 or ADJ2 key in accordance with circuit requirement specified for A relay of SD-25124-01. When testing SD-55430-01, operate ADJ2 key. When testing SD-27877-01, operate ADJ3 key.	
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Tests L Through U, W Through AC, and AE Through AJ

9d	If ADJ1 and ADJ2 keys are furnished— Operate ADJ1 or ADJ2 key in accordance with circuit requirement specified for A relay of this circuit.	
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Tests V, Through AC

10e	If SO key is provided— Operate SO key.	
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STEP	ACTION	VERIFICATION
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Tests AL Through AT, AV, AW, AY, AZ, BB Through BD, and BF Through BH

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| 11f | If ADJ2 key is furnished—
Operate ADJ2 key. | |
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Tests F, H, AP, and BF

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| 12g | If trunk is arranged for 4-party selective ringing—
Locate the incoming trunk test set SD-25187-01 near the outgoing trunk test frame. | |
| 13g | Restore to normal any keys of incoming trunk test set which may be operated. | |
| 14g | Connect plug of W2T cord to BAT (battery) jack of incoming trunk test set and connect 48-volt battery to tip and ground to sleeve of cord. | |

4. METHOD

STEP	ACTION	VERIFICATION
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SUBSCRIBER RECORDING-COMPLETING TRUNKS, SD-25124-01, SD-55430-01, and SD-27877-01

A. False Ground on S Lead

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| 8 | Operate RSG key. | SUP1 lamp lighted. |
| 9 | Release RSG key. | SUP1 lamp extinguished. |
| 10 | Release all operated keys. | |
| 11 | Momentarily operate DISC1 key. | ON1 and RC lamps extinguished. |
| 12 | Disconnect both patching cords. | |

B. A Relay Operate, S Lead Continuity, Tip and Ring Polarity.

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|----|--------------------------------|---|
| 9 | Operate RNCO key. | Ringling tone heard.
Operator answers.
Ringling tone removed. See 1.08.
SUP1 lamp lighted. |
| 10 | Restore all operated keys. | |
| 11 | Momentarily operate DISC1 key. | All lamps extinguished. |

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STEP	ACTION	VERIFICATION
12	Disconnect both patching cords.	
C. Subscriber Hold Test		
9	Operate RNCO key.	Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted.
10	Request operator to momentarily remove cord from trunk jack.	
11	At switchboard— Operator removes cord from trunk jack.	At test frame— SUP1 lamp remains lighted. At switchboard— Trunk lamp lighted.
12	Operator reconnects to trunk.	Trunk lamp extinguished.
13	At test frame— Release all operated keys.	
14	Momentarily operate DISC1 key.	All lamps extinguished.
15	Disconnect both patching cords.	
D. Flash and Release of A Relay.		
9	Operate RNCO key.	Ringling tone heard in telephone set. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted.
10	Operate and release RFL key slowly several times.	Operator receives flashing signal.
11	Release all operated keys.	
12	Momentarily operate DISC1 key.	All lamps extinguished.
13	Disconnect both patching cords.	
E. Ringback Test—Trunk Arranged for Unrestricted Use of Recall Feature and Not Equipped With Emergency Ringback		
9	Operate RNCO key.	Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted.

STEP	ACTION	VERIFICATION
10	Request operator to ring back on trunk under test.	Test frame telephone set bell rings.
11	Release RNC0 key.	SUP1 lamp extinguished. Test frame telephone set bell rings.
12	Operate RNC0 key.	SUP1 lamp lighted.
13	Acknowledge ringback signal to operator.	
14	Release all operated keys.	
15	Momentarily operate DISC1 key.	All lamps extinguished.
16	Disconnect both patching cords.	
F. Ringback Test—Trunk Arranged for Unrestricted Use of Recall Feature and Equipped with Emergency Ringback SD-95083-01		
15	Operate RNC0 key.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted.
16	Request operator to ring back on trunk under test after disconnect signal is received at switchboard.	
17	Release RNC0 key.	SUP1 lamp extinguished. Test frame telephone set bell rings.
18	Operate RNC0 key.	SUP1 lamp lighted.
19	Request operator to operate emergency ringback key and to ring back for several seconds on trunk under test after disconnect signal is received at switchboard.	
20	Release RNC0 key.	SUP1 lamp extinguished. Test frame telephone set bell rings. While emergency ringback key is operated— Associated ALM and aisle pilot lamps lighted. Major alarm sounds.
21g	If trunk is arranged for 4-party selective ringing— Remove plug from T1 jack and connect it to RTL jack of incoming trunk test set.	At incoming trunk test set— R-, R+, T+, and T- lamps flash in response to ringing intervals.
22g	Remove plug from RTL jack and connect it to T1 jack.	

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STEP	ACTION	VERIFICATION
23h	If trunk is arranged for 2-party selective and 4-party semiselective ringing— Remove plug from T1 jack.	
24h	By means of test receiver connected to high resistance ground, test tip and ring of plug for presence of interrupted generator.	Interrupted generator heard on both tip and ring.
25h	Remove test receiver.	
26h	Replace plug at T1 jack.	
27	Operate RNCO key.	
28	Acknowledge ringback to operator.	
29	Release all operated keys.	
30	Momentarily operate DISC1 key.	All lamps extinguished.
31	Disconnect both patching cords.	
G. Ringback Test—Trunk Arranged for Restricted Use of Recall Feature and Not Equipped with Emergency Ringback		
9	Operate RNCO key.	Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted.
10	Request operator to ring back on trunk under test.	Test frame subscriber set bell rings.
11	Acknowledge ringback signal and request operator to ring back after a disconnect signal is received at switchboard.	
12	Release RNCO key.	SUP1 lamp extinguished. For period of several ringling cycles, test frame subscriber set bell does not ring.
13	Operate RNCO key.	SUP1 lamp lighted. Note: If operator has ringling key operated, test frame subscriber set bell may ring.
14	Release all operated keys.	
15	Momentarily operate DISC1 key.	All lamps extinguished.
16	Disconnect both patching cords.	

STEP	ACTION	VERIFICATION
H. Ringback List—Trunk Arranged for Restricted Use of Recall Feature and Equipped with Emergency Ringback SD-95083-01.		
15	Operate RNCO key.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted.
16	Request operator to ring back on trunk under test.	Test frame telephone set bell rings.
17	Acknowledge ringback signal and request operator to ring back after a disconnect signal is received at switchboard.	
18	Release RNCO key.	SUP1 lamp extinguished. For period of several ringing cycles, test frame telephone set bell does not ring.
19	Operate RNCO key.	SUP1 lamp lighted.
		Note: If operator has ringing key operated, test frame telephone set bell may ring.
20	Request operator to operate emergency ringback key and to ring back for several seconds on trunk under test after a disconnect signal is received at switchboard.	
21	Release RNCO key.	SUP1 lamp extinguished. Test frame telephone set bell rings. While emergency ringback key is operated— Associated ALM and aisle pilot lamps lighted. Major alarm sounds.
22g	If trunk is arranged for 4-party selective ringing— Remove plug from T1 jack and connect it to RTL jack of incoming trunk test set.	At incoming trunk test set— R-, R+, T+ and T- lamp flash in response to ringing intervals.
23g	Remove plug from RTL jack and connect it to T1 jack.	
24h	If trunk is arranged for 2-party selective and 4-party semiselective ringing— Remove plug from T1 jack.	
25h	By means of test receiver connected to high resistance ground, test tip and ring of plug for presence of interrupted generator.	Interrupted generator heard on both tip and ring.

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STEP	ACTION	VERIFICATION
26h	Remove test receiver.	
27h	Replace plug at T1 jack.	
28	Operate RNCO key.	
29	Acknowledge ringback to operator.	
30	Release all operated keys.	
31	Momentarily operate DISC1 key.	All lamps extinguished.
32	Disconnect both patching cords.	
I. Number Checking—When Provided		
9	Operate RNCO key.	Ringling tone heard in telephone set. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted.
10	Operate RNC key.	
11	Request operator to number check the return test line number. <i>Note:</i> Where number check trunks are common to more than one office unit, make this check in office unit which has TL jack plugged.	Operator receives OK signal.
12	Release all operated keys.	
13	Momentarily operate DISC1 key.	All lamps extinguished.
14	Disconnect both patching cords.	
J. Disconnection and S1 Lead Continuity		
9	Operate RNCO key.	Ringling tone heard in telephone set. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted. SUP1 lamp extinguished. BY1 lamp lighted. ON1 lamp momentarily extinguished. When operator disconnects— BY1 lamp extinguished.
12	Release all operated keys.	

STEP	ACTION	VERIFICATION
13	Momentarily operate DISC1 key.	All lamps extinguished.
14	Disconnect both patching cords.	
SUBSCRIBER RECORDING – COMPLETING TRUNK SD-25218-01		
K. False Ground On S Lead		
8	Operate RSG key.	SUP1 lamp lighted.
9	Release RSG key.	SUP1 lamp extinguished.
10	Release all operated keys.	
11	Momentarily operate DISC1 key.	ON1 and RC lamps extinguished.
12	Disconnect both patching cords.	
L. A and S Relay, S Lead, T and R Polarity—Test Frame Equipped with SO and SNO Keys		
10	Operate SNO, RCT, and RCO keys.	Ringling tone heard in telephone set. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted. CR lamp remains extinguished.
11	Release all operated keys.	
12	Momentarily operate DISC1 key.	SUP1, ON1, and RC lamps extinguished.
13	Disconnect both patching cords.	
M. S Relay, Automatic Coin Return—Test Frame Equipped with SD and SDO keys.		
10	Operate SNO, RCT, and RCO keys.	Ringling tone heard in telephone set. Operator answers. Ringling tone removed. SUP1 lamp lighted. CR lamp remains extinguished.
11	Release SNO key.	
12	Operate SO key.	CR lamp momentarily lighted.
13	Release all operated keys.	
14	Momentarily operate DISC1 key.	SUP1, ON1, and RC lamps extinguished.
15	Disconnect both patching cords.	

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STEP	ACTION	VERIFICATION
N. A Relay, S Lead, Tip and Ring Polarity, Automatic Coin Return—Test Frame Not Equipped with SO and SNO Keys		
10	Operate RCT and RCO keys.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
11	Release all operated keys.	
12	Momentarily operate DISC1 key.	SUP1, ON1, and RC lamps extinguished.
13	Disconnect both patching cords.	
N.1 A Relay, S Lead, Tip and Ring Polarity, Positive Battery, Automatic Coin Return—Coin Service Improvement Features Provided		
10	Operate RCO, CSI, and RCT keys.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
11	Operate PB key.	PB lamp lighted.
12	Release all operated keys.	PB lamp extinguished.
13	Momentarily operate DISC1 key.	SUP1, ON1, and RC lamps extinguished.
14	Disconnect both patching cords.♦	
O. Subscriber Hold Test		
10	Operate RCT and RCO keys.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
11	Release RCT key.	
12	Request operator to momentarily remove cord from trunk jack.	SUP1 lamp remains lighted. At operator position— Trunk lamp relighted when cord is removed from jack.
13	At test frame— Release all operated keys.	

STEP	ACTION	VERIFICATION
14	Momentarily operate DISC1 key.	SUP1, ON1, and RC lamps extinguished.
15	Disconnect both patching cords.	
P. Flash and Release of A Relay		
10	Operate RCT and RCO keys.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
11	Release RCT key.	
12	Operate and release RFL key several times.	Operator receives flashing signal.
13	Release all operated keys.	
14	Momentarily operate DISC1 key.	SUP1, ON1, and RC lamps extinguished.
15	Disconnect both patching cords.	
Q. Ringback Test		
10	Operate RCT and RCO keys.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
11	Release RCT key.	
12	Request operator to ring back on trunk under test after disconnect signal is received.	
13	Release RCO key.	SUP1 lamp extinguished. Test frame telephone set bell rings.
14	Operate RCO key.	SUP1 lamp lighted.
15	Acknowledge ringback signal to operator.	
16	Release all operated keys.	
17	Momentarily operate DISC1 key.	SUP1, ON1, and RC lamps extinguished.
18	Disconnect both patching cords.	
R. Number Checking Test—When Provided		
10	Operate RCT and RCO keys.	Ringing tone heard. Operator answers.

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STEP	ACTION	VERIFICATION
		Ringing tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
11	Release RCT key.	
12	Operate RNC key.	
13	Request operator to number check the return test line number.	Number check OK signal received by operator.
	Note: Where number check trunks are common to more than one office unit, use office unit which has TL jack plugged.	
14	Release all operated keys.	
15	Momentarily operate DISC1 key.	SUP1, ON1, and RC lamps extinguished.
16	Disconnect both patching cords.	
S. Coin Collect and Return		
10g	If coin service improvement feature is not provided— Operate RCT and RCO keys.	When operator answers— CR lamp momentarily lighted. SUP1 lamp lighted.
11h	♦If coin service improvement feature is provided— Operate RCT, CSI, and RCO keys.	When operator answers— CR lamp momentarily lighted. SUP1 lamp lighted.♦
12	Release and reoperate RCT key.	
13	Request operator to collect coin.	CC lamp lighted during interval coin collect key is operated.
		SUP1 lamp remains lighted. At switchboard— Operator receives proper signal.
14	At test frame— Request operator to return coin.	CR lamp lighted during interval coin return key is operated. SUP1 lamp remains lighted. At switchboard— Operator receives proper signal.
15	At test frame— Release all operated keys.	
16	Momentarily operate DISC1 key.	All lamps extinguished.
17	Disconnect both patching cords.	

STEP	ACTION	VERIFICATION
T. Automatic Coin Collect After Disconnect—Coin Service Improvement Features Not Provided		
10	Operate RCT and RCO keys.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
11	Request operator to disconnect after disconnect signal at switchboard.	
12	Release RCO key.	SUP1 lamp extinguished. Operator receives disconnect signal. When operator disconnects— CC lamp momentarily lighted. SUP1 lamp lighted.
13	Release all operated keys.	
14	Momentarily operate DISC1 key.	SUP1, ON1, and RC lamps extinguished.
15	Disconnect both patching cords.	
T.1 Automatic Coin Collect After Disconnect—Coin Service Improvement Features Provided		
10	Operate RCT, CSI, and RCO keys.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
11	Request operator to disconnect after disconnect signal at switchboard.	
12	Release RCO key.	SUP1 lamp extinguished. Operator receives disconnect signal. When operator disconnects— CC lamp momentarily lighted.
13	Release CSI and RCT keys.	SUP1 lamp lighted.
14	Release all operated keys.	
15	Momentarily operate DISC1 key.	SUP1, ON1, and RC lamps extinguished.
16	Disconnect both patching cords.♦	

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STEP	ACTION	VERIFICATION
U. S1 Lead Continuity		
10	Operate RCO key.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted.
11	Request operator to disconnect after disconnect signal at switchboard.	
12	Release NO SDR1 key and momentarily operate DISC1 key in one motion.	SUP1 lamp extinguished. ON1 lamp momentarily extinguished. BY1 lamp lighted. When operator disconnects— BY1 lamp extinguished.
13	Release all operated keys.	
14	Momentarily operate DISC1 key.	ON1 and RC lamps extinguished.
15	Disconnect both patching cords.	

**SUBSCRIBER RECORDING-COMPLETING TRUNK
SD-25424-01—TEST FROM COIN APPEARANCE**

V. False Ground on S Lead

11	Operate RSG key.	SUP1 lamp lighted.
12	Release RSG key.	SUP1 lamp extinguished.
13	Release all operated keys.	
14e	If SO key is provided— Release SO key.	RC and ON1 lamps extinguished.
16	Disconnect both patching cords.	

**W. A Relay Operate Test, S Lead, Continuity, Tip
and Ring Polarity**

11	Operate RCO key.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted.
12	Release all operated keys.	
13	Momentarily operate DISC1 key.	All lamps extinguished.
14	Disconnect both patching cords.	

STEP	ACTION	VERIFICATION
X. Subscriber Hold Test		
11	Operate RCO key.	<p>Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted.</p>
12	Request operator to momentarily remove cord from trunk jack.	<p>SUP1 lamp remains lighted. At switchboard—</p> <p>Trunk lamp lighted when cord is removed from jack.</p>
13	Release all operated keys.	
14	Momentarily operate DISC1 key.	All lamps extinguished.
15	Disconnect both patching cords.	
Y. A Relay Flash and Release		
11	Operate RCO key.	<p>Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted.</p>
12	Operate and release RFL key several times.	Operator receives flashing signal.
13	Release all operated keys.	
14	Momentarily operate DISC1 key.	All lamps extinguished.
15	Disconnect both patching cords.	
Z. Number Checking Test—When Provided		
11	Operate RCO key.	<p>Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted.</p>
12	Operate RNC key.	
13	Request operator to number check the return test line number.	Operator receives OK signal.
	<i>Note:</i> Where number check trunks are common to more than one office unit, use office unit which has TL jack plugged.	
14	Release all operated keys.	

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STEP	ACTION	VERIFICATION
15	Momentarily operate DISC1 key.	All lamps extinguished.
16	Disconnect both patching cords.	
AA. Disconnection and Automatic Coin Return		
11	Operate RCO key.	Ringling tone heard in telephone set. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted.
12	Operate RCT key.	
13	Request operator to disconnect after a disconnect signal is received at switchboard.	
14	Release RCO key.	SUP1 lamp extinguished. At switchboard— Operator receives disconnect signal.
15	Operator disconnects.	At test frame— CR lamp momentarily lighted.
16	Release RCT key immediately when CR lamp lights.	SUP1 lamp lighted.
17	Release all operated keys.	
18	Momentarily operate DISC1 key.	All lamps extinguished.
19	Disconnect both patching cords.	
AB. S1 Lead Continuity		
11	Operate RCO key.	Ringling tone heard in telephone set. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted.
12	Request operator to delay removal of cord for several seconds after disconnect signal is received at switchboard.	
13	Release NO SDR1 key and momentarily operate DISC1 key in one motion.	BY1 lamp lighted. SUP1 lamp extinguished. ON1 lamp momentarily extinguished. At test frame— BY1 lamp extinguished.
14	At switchboard— Operator disconnects.	

STEP	ACTION	VERIFICATION
15	Release all operated keys.	
16	Momentarily operate DISC1 key.	All lamps extinguished.
17	Disconnect both patching cords.	
AC. Trunk Coin Supervisory Functions		
11	Establish communication with sender monitor operator over local communication line.	
12	Advise sender monitor operator of trunk to be tested and request that cord be inserted into coin supervisory jack when associated C lamp of trunk is lighted.	
13	Operate RCO key.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted.
14	Operate RCT key.	
15	Request operator to disconnect after a disconnect signal is received at switchboard.	
16	Release RCO key.	SUP1 lamp extinguished. At switchboard— Disconnect signal received.
17	Operator disconnects.	At test frame— CR lamp momentarily lighted. SUP1 lamp remains extinguished. At sender monitor position— Within one second after lighting of CR lamp— C lamp associated with trunk under test lighted.
18	At test frame— Operate RCO key approximately 2 seconds after lighting of CR lamp.	At sender monitor position— C lamp extinguished when sender monitor answers. At test frame— SUP1 lamp lighted. Operator does not answer on trunk under test.
19	Request sender monitor operator to momentarily disconnect cord from trunk coin supervisory jack.	At sender monitor position— C lamp relighted when cord is removed. At test frame— SUP1 lamp remains lighted.

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STEP	ACTION	VERIFICATION
20	Request sender monitor operator to disconnect cord from trunk coin supervisory jack and disregard lighted C lamp.	After 28 seconds— Trunk relay equipment CT lamp lighted. Associated aisle pilot lamp lighted. Minor alarm sounds.
21	Release RCO key.	SUP1 lamp extinguished.
22	Request sender monitor operator via local communication line to insert plug of cord into release jack.	At sender monitor position— C lamp extinguished. At test frame— SUP1 lamp lighted. CT and aisle pilot lamps extinguished. Minor alarm silenced.
23	Release all operated keys.	
24	Momentarily operate DISC1 key.	All lamps extinguished.
25	Disconnect both patching cords.	

**SUBSCRIBER RECORDING-COMPLETING TRUNK
SD-25424-01—TEST FROM NONCOIN APPEARANCE**

AD. False Ground on S Lead

8	Operate RSG key.	SUP1 lamp lighted.
9	Release RSG key.	SUP1 lamp extinguished.
10	Release NO SDR1, SUB REC, and TST1 keys.	
11	Momentarily operate DISC1 key.	RC and ON1 lamps extinguished.
12	Disconnect both patching cords.	

AE. A Relay Operate, S Lead Continuity, Tip and Ring Polarity.

10	Operate RNCO key.	Ring tone heard. Operator answers. Ring tone removed. See 1.08. SUP1 lamp lighted.
11	Release all operated keys.	
12	Momentarily operate DISC1 key.	All lamps extinguished.
13	Disconnect both patching cords.	

STEP	ACTION	VERIFICATION
AF. Subscriber Hold Test		
10	Operate RNCO key.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted.
11	Request operator to momentarily remove cord from trunk jack.	SUP1 lamp remains lighted. At switchboard— Trunk lamp lighted when cord is removed from jack.
12	Release all operated keys.	
13	Momentarily operate DISC1 key.	All lamps extinguished.
14	Disconnect both patching cords.	
AG. A Relay Flash and Release		
10	Operate RNCO key.	Ringing tone heard in telephone set. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted.
11	Operate and release RFL key several times.	
12	Release all operated keys.	
13	Momentarily operate DISC1 key.	All lamps extinguished.
14	Disconnect both patching cords.	
AH. Number Checking Test—When Provided		
10	Operate RNCO key.	Ringing tone heard in telephone set. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted.
11	Operate RNC key.	
12	Request operator to number check the return test line number.	
	<i>Note:</i> Where number check trunks are common to more than one office unit, use office unit which has TL jack plugged.	
13	Release all operated keys.	
14	Momentarily operate DISC1 key.	All lamps extinguished.

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STEP	ACTION	VERIFICATION
15	Disconnect both patching cords.	
AI. Disconnection		
10	Operate RNCO key.	Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted.
11	Operate RCT key.	
12	Request operator to disconnect after disconnect signal is received at switchboard.	
13	Release RNCO key.	SUP1 lamp extinguished.
14	At switchboard— Operator disconnects.	SUP1 lamp lighted. CR lamp does not light.
15	Release all operated keys.	
16	Momentarily operate DISC1 key.	All lamps extinguished.
17	Disconnect both patching cords.	
AJ. S1 Lead Continuity		
10	Operate RNCO key.	Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted.
11	Request operator to delay removal of cord for several seconds after disconnect signal is received at switchboard.	
12	Release NO SDR1 key and momentarily operate DISC1 key in one motion.	BY1 lamp lighted. SUP1 lamp extinguished. ON1 lamp momentarily extinguished.
13	At switchboard— Operator disconnects.	At test frame— BY1 lamp extinguished.
14	Release all operated keys.	
15	Momentarily operate DISC1 key.	All lamps extinguished.
16	Disconnect both patching cords.	

STEP	ACTION	VERIFICATION
SUBSCRIBER RECORDING-COMPLETING TRUNK SD-55946-01		
AK. False Ground on S Lead		
8	Operate RSG key.	SUP1 lamp lighted.
9	Release RSG key.	SUP1 lamp extinguished.
10	Release all operated keys.	
11	Momentarily operate DISC1 key.	ON1 and RC lamps extinguished.
12	Disconnect both patching cords.	
AL. A Relay, S Lead Continuity, Tip and Ring Polarity, and Automatic Coin Return—Coin Service Improvement Features Not Provided		
12	Operate RCT and RCO keys.	Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
13	Release all operated keys.	
14	Momentarily operate DISC1 key.	All lamps extinguished.
15	Disconnect both patching cords.	
AL.1 A Relay, S Lead Continuity, Tip and Ring Polarity, Positive Battery, and Automatic Coin Return—Coin Service Improvement Features Provided.		
12	Operate RCO, CSI, and RCT keys.	Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
13	Operate PB key.	PB lamp lighted.
14	Release all operated keys.	PB lamp extinguished.
15	Momentarily operate DISC1 key.	SUP1, ON1, and RC lamps extinguished.
16	Disconnect both patching cords.◀	

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STEP	ACTION	VERIFICATION
AM. Subscriber Hold Test		
12	Operate RCT and RCO keys.	Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
13	Release RCT key.	
14	Request operator to momentarily remove cord from trunk jack.	SUP1 lamp remains lighted at operators position— Trunk lamp relighted when cord is removed from jack.
15	At test frame— Release all operated keys.	
16	Momentarily operate DISC1 key.	All lamps extinguished.
17	Disconnect both patching cords.	
AN. A Relay Flash and Release		
12	Operate RCT and RCO keys.	Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
13	Release RCT key.	
14	Operate and release RFL key several times.	Operator receives flashing signal.
15	Release all operated keys.	
16	Momentarily operate DISC1 key.	All lamps extinguished.
17	Disconnect both patching cords.	
AO. Ringback—Trunk Not Equipped with Emergency Ringback		
12	Operate RCT and RCO keys.	Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
13	Release RCT key.	

STEP	ACTION	VERIFICATION
14	Request operator to ring back on trunk under test after a disconnect signal is received at switchboard.	
15	Release RCO key.	SUP1 lamp extinguished. Test frame telephone set bell rings.
16	Operate RCO key.	SUP1 lamp lighted.
17	Acknowledge ringback signal to operator.	
18	Release all operated keys.	
19	Momentarily operate DISC1 key.	All lamps extinguished.
20	Disconnect both patching cords.	
AP. Ringback—Trunk Equipped with Emergency Ringback SD-95083-01		
15	Operate RCT and RCO keys.	Ringback tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
16	Release RCT key.	
17	Request operator to ring back on trunk under test after a disconnect signal is received at switchboard.	
18	Release RCO key.	SUP1 lamp extinguished. Test frame telephone set bell rings.
19	Operate RCO key.	SUP1 lamp lighted.
20	Acknowledge ringback signal and request operator to operate emergency ringback key and to ring back for several seconds on trunk under test after a disconnect signal is received at switchboard.	
21	Release RCO key.	SUP1 lamp extinguished. Test frame telephone set bell rings. While emergency ringback key is operated— Associated ALM and aisle pilot lamps lighted. Major alarm sounds.
22g	If trunk is arranged for 4-party selective ringing—	At incoming trunk test set— R-, R+, T+, and T- lamps flash in response

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STEP	ACTION	VERIFICATION
	Remove plug from T1 jack and connect it to RTL jack of incoming trunk test set.	to ringing intervals.
23g	Remove plug from RTL jack and connect it to T1 jack.	
24h	If trunk is arranged for 2-party selective and 4-party semiselective ringing— Remove plug from T1 jack.	
25h	By means of test receiver connected to high resistance ground, test tip and ring of plug for presence of interrupted generator.	Interrupted generator heard on both tip and ring.
26h	Remove test receiver.	
27h	Replace plug at T1 jack.	
28	Operate RCO key.	
29	Acknowledge ringback to operator.	
30	Release all operated keys.	
31	Momentarily operate DISC1 key.	All lamps extinguished.
29	Disconnect both patching cords.	
AQ. Number Checking—When Provided		
12	Operate RCT and RCO keys.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
13	Release RCT key.	
14	Operate RNC key.	
15	Request operator to number check the return test line number.	Operator receives OK signal.
	Note: Where number check trunks are common to more than one office unit, use office unit which has TL jack plugged.	
16	Release RNC key.	
17	Release all operated keys.	
18	Momentarily operate DISC1 key.	All lamps extinguished.

STEP	ACTION	VERIFICATION
19	Disconnect both patching cords.	
AR. Coin Collect and Return		
12h	If coin service improvement features are not provided— Operate RCT and RCO keys.	When operator answers— SUP1 lamp lighted. CR lamp momentarily lighted.
13i	◆If coin service improvement features are provided— Operate RCT, CSI, and RCO keys.	When operator answers— SUP1 lamp lighted. CR lamp momentarily lighted.◆
14	Release and reoperate RCT key.	
15	Request operator to collect coin.	While coin collect key is operated— CC lamp lighted. Proper signal received by operator.
16	Request operator to return coin.	While coin return key is operated— CR lamp lighted. Proper signal received by operator. SUP1 lamp remains lighted.
17	Release all operated keys.	
18	Momentarily operate DISC1 key.	All lamps extinguished.
19	Disconnect both patching cords.	
AS. Disconnection and Automatic Coin Collect—Coin Service Improvement Features Not Provided		
12	Operate RCT and RCO keys.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
13	Request operator to disconnect after disconnect signal at switchboard.	
14	Release RCO key.	SUP1 lamp extinguished. Operator receives disconnect signal. When operator disconnects— CC lamp momentarily lighted. SUP1 lamp lighted.
15	Release all operated keys.	
16	Momentarily operate DISC1 key.	All lamps extinguished.
17	Disconnect both patching cords.	

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STEP	ACTION	VERIFICATION
AS.1 Disconnection and Automatic Coin Collect—Coin Service Improvement Features Provided		
12	Operate RCT, CSI, and RCO keys.	Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted. CR lamp momentarily lighted.
13	Request operator to disconnect after disconnect signal at switchboard.	
14	Release RCO key.	SUP1 lamp extinguished. Operator receives disconnect signal. When operator disconnects— CC lamp momentarily lighted.
15	Release CSI and RCT keys.	SUP1 lamp lighted.
16	Release all operated keys.	
17	Momentarily operate DISC1 key.	All lamps extinguished.
18	Disconnect both patching cords.⚡	
AT. S1 Lead Continuity		
12	Operate RCO key.	Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted.
13	Request operator to disconnect after disconnect signal is received at switchboard.	
14	Release NO SDR1 key and momentarily operate DISC1 key in one motion.	BY1 lamp lighted. SUP1 lamp momentarily extinguished. When operator disconnects— BY1 lamp extinguished.
15	Release all operated keys.	
16	Momentarily operate DISC1 key.	All lamps extinguished.
17	Disconnect both patching cords.	
TRUNK TO SPECIAL SERVICE OPERATOR SD-25116-01		
AU. False Ground on S Lead.		
8	Operate RSG key.	SUP1 lamp lighted.

STEP	ACTION	VERIFICATION
9	Release RSG key.	SUP1 lamp extinguished.
10	Release all operated keys.	
11	Momentarily operate DISC1 key.	All lamps extinguished.
12	Disconnect both patching cords.	
AV. L Relay Operate, S Lead Continuity, Tip and Ring Polarity		
12	Operate RNCO key.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted.
13	Release all operated keys.	
14	Momentarily operate DISC1 key.	All lamps extinguished.
15	Disconnect both patching cords.	
AW. Subscriber Hold Test		
12	Operate RNCO key.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted.
13	Request operator to temporarily remove cord from trunk jack.	At switchboard— With cord removed— Trunk lamp lighted. At test frame— With cord removed— Ringing tone heard. With cord replaced— SUP 1 lamp remains lighted. Ringing tone not heard.
14	Release all operated keys.	
15	Momentarily operate DISC1 key.	All lamps extinguished.
16	Disconnect both patching cords.	
AX. L Relay Release Test		
7h	If test frame telephone circuit is equipped with 102C induction coil— Operate A OPR COM keys to equal 500 ohms.	

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STEP	ACTION	VERIFICATION
8i	If test frame telephone circuit is equipped with 102A induction coil— Operate A OPR COM keys to equal 1,000 ohms.	
9	Operate TST1, MISC TRKS, and NO SDR1 keys.	ON1 and SUP1 lamps lighted.
10	Request operator to remove cord from trunk jack for several seconds and observe trunk lamp.	
11	At switchboard— Operator removes cord.	Trunk lamp lighted. At test frame— Ringing tone heard. SUP1 lamp remains lighted.
12	Slowly operate and release RFL key.	When RFL key is operated— SUP1 lamp extinguished. When RFL key is released— SUP1 lamp lighted. At switchboard— Trunk lamp momentarily extinguished.
13	Operator replaces cord in trunk jack.	Trunk lamp extinguished. At test frame— Ringing tone not heard.
14	Release all operated keys.	
15	Momentarily operate DISC1 key.	All lamps extinguished.
16	Disconnect both patching cords.	

AY. Number Checking—When Provided

12	Operate RNCO key.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted.
13	Operate RNC key.	
14	Request operator to number check the return test line number. <i>Note:</i> Where the number check trunks are common to more than one office unit, use office unit which has TL jack plugged.	Operator receives OK signal.
15	Release all operated keys.	

STEP	ACTION	VERIFICATION
16	Momentarily operate DISC1 key.	All lamps extinguished.
17	Disconnect both patching cords.	
AZ. Disconnection and S1 Lead Continuity		
12	Operate RNC0 key.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08.
13	Request operator to delay removal of cord for several seconds after disconnect signal is received at switchboard.	
14	Release NO SDR1 key and momentarily operate DISC1 key in one motion.	SUP1 lamp extinguished. BY1 lamp lighted. ON1 lamp momentarily extinguished. When operator disconnects— BY1 lamp extinguished.
15	Release all operated keys.	
16	Momentarily operate DISC1 key.	All lamps extinguished.
17	Disconnect both patching cords.	
SPECIAL SERVICE TRUNK TO CENTRAL A SWITCHBOARD SD-96209-01 AND SD-96210-01 INCOMING TRUNK TO SPECIAL SERVICE OPERATOR SD-1B067-01 SPECIAL SERVICE TRUNK TO TOLL SWITCHBOARD SD-55183-01 AND SD-56278-01		
BA. False Ground on S Lead		
8	Operate RSG key.	SUP1 lamp lighted.
9	Release RSG key.	SUP1 lamp extinguished.
10	Release all operated keys.	
11	Momentarily operate DISC1 key.	
12	Disconnect both patching cords.	
BB. L Relay Operate, S Lead Continuity, Tip and Ring Polarity—Coin Service Improvement Features Not Provided		
12	Operate RCO key.	Ringing tone heard. Operator answers.

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STEP	ACTION	VERIFICATION
		Ringling tone removed. See 1.08. SUP1 lamp lighted.
13	Release all operated keys.	
14	Momentarily operate DISC1 key.	All lamps extinguished.
15	Disconnect both patching cords.	
BB.1	RL Relay Operate, S Lead Continuity, Tip and Ring Polarity, and Test for Positive Battery—Coin Service Improvement Features Provided	
12	Operate RCO, CSI, and RCT keys.	Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted. If automatic coin return freature is provided— CR lamp momentarily lighted.
13	Operate PB key.	PB lamp lighted.
14	Release all operated keys.	PB lamp extinguished.
15	Momentarily operate DISC1 key.	All lamps extinguished.
16	Disconnect both patching cords.♦	
BC.	Subscriber Hold Test	
12	Operate RCO key.	Ringling tone heard. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted.
13	Request operator to momentarily remove cord from trunk jack.	Ringling tone heard. SUP1 lamp remains lighted. At switchboard— Trunk lamp lighted. At test frame— When cord is replaced in jack— Ringling tone not heard.
14	Release all operated keys.	
15	Momentarily operate DISC1 key.	All lamps extinguished.
16	Disconnect both patching cords.	

STEP	ACTION	VERIFICATION
BD. L Relay Flash and Release Test, SD-96209-01 Only		
12	Operate RCO key.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted.
13	Operate and release RFL key several times.	Operator receives flashing signal.
14	Release all operated keys.	
15	Momentarily operate DISC1 key.	All lamps extinguished.
16	Disconnect both patching cords.	
BE. L Relay Flash and Release Test, SD-96210-01 Only.		
7h	If test frame telephone circuit is equipped with 102C induction coil— Operate A OPR COM keys to equal 500 ohms.	
8i	If test frame telephone circuit is equipped with 102A induction coil— Operate A OPR COM keys to equal 1,000 ohms.	
9	Operate TST1, MISC TRKS, and NO SDR1 keys.	ON1 and SUP1 lamps lighted.
10	Operate and release RFL key several times.	Operator receives flashing signal.
11	Release NO SDR1, MISC TRKS, and TST1 keys.	
12	Momentarily operate DISC1 key.	ON1 and SUP1 lamps extinguished.
13	Release all operated keys.	
14	Momentarily operate DISC1 key.	All lamps extinguished.
15	Disconnect both patching cords.	
BF. Ringback Test		
15	Operate RCO key.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted.

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STEP	ACTION	VERIFICATION
16	Request operator to ring back for several seconds on trunk under test after a disconnect signal is received at switchboard.	
17	Release RCO key.	SUP1 lamp extinguished. Test frame telephone set bell rings.
18g	If trunk is arranged for 4-party selective ringing— Remove plug from T1 jack and connect it to RTL jack of incoming trunk test set.	At incoming trunk test set— R-, R+, T+, and T- lamps flash in response to ringing intervals.
19g	Remove plug from RTL jack and connect it to T1 jack.	
20h	If trunk is arranged for 2-party selective and 4-party semiselective ringing— Remove plug from T1 jack.	
21b	By means of test receiver connected to high resistance ground, test tip and ring of plug for presence of interrupted generator.	Interrupted generator heard on both tip and ring.
22b	Remove test receiver.	
23b	Replace plug at T1 jack.	
24	Operate RNCO key.	
25	Acknowledge ringback to operator.	
26	Release all operated keys.	
27	Momentarily operate DISC1 key.	All lamps extinguished.
28	Disconnect both patching cords.	
BG.	Coin Collect and Return—Coin Service Improvement Features Not Provided	
12	Operate RCO key.	Ringling tone heard in telephone set. Operator answers. Ringling tone removed. See 1.08. SUP1 lamp lighted.
13	Operate RCT key.	
14	Request operator to collect coin.	When coin collect key is operated— CC lamp lighted. SUP1 lamp remains lighted. At switchboard— Operator receives proper signal.

STEP	ACTION	VERIFICATION
15	At test frame— Request operator to return coin.	When coin return key is operated— CR lamp lighted. SUP1 lamp remains lighted. At switchboard— Operator receives proper signal.
16	At test frame— Release all operated keys.	
17	Momentarily operate DISC1 key.	All lamps extinguished.
18	Disconnect both patching cords.	
BG.1 Coin Collect and Return—Coin Service Improvement Features Provided		
12	Operate RCO, CSI, and RCT keys.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted.
<i>Note:</i> If operator answers before the ringing interval, ringing tone will not be heard. In this case, disconnect and repeat this step.		
13	Request operator to collect coin.	CC lamp lighted during interval coin collect key is operated. SUP1 lamp remains lighted. At switchboard— Operator receives proper signal.
14	Request operator to return coin.	CR lamp lighted during interval coin return key is operated. SUP1 lamp remains lighted. At switchboard— Operator receives proper signal.
15	At test frame— Release all operated keys.	
16	Momentarily operate DISC1 key.	All lamps extinguished.
17	Disconnect both patching cords.◀	
BH. Disconnect, S1 Lead Continuity, SD-96209-01 and SD-96210-01		
12	Operate RCO key.	Ringing tone heard. Operator answers. Ringing tone removed. See 1.08. SUP1 lamp lighted.

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STEP	ACTION	VERIFICATION
13	Request operator to delay removal of cord for several seconds after disconnect signal is received at switchboard.	
14	Release NO SDR1 key and momentarily operate DISC1 key in one motion.	SUP1 lamp extinguished. BY1 lamp lgihted. ON1 lamp momentarily extinguished. When operator disconnects— BY1 lamp extinguished.
15	Release all operated keys.	
16	Momentarily operate DISC1 key.	All lamps extinguished.
17	Disconnect both patching cords.	
BH.1 ♦Disconnection, S1 Lead Continuity, and Coin Disposal, SD-1B067-01, SD-55183-01, and SD-56278-01		
12	Operate RCT, CSI, and RCO keys.	When operator answers— SUP1 lamp lighted. When automatic coin return feature is provided— CR lamp momentarily lighted.
13	Release and reoperate RCT key.	
14	Request operator to delay removal of cord for several seconds after disconnect signal is received at switchboard, also to reconnect and collect coin if trunk lamp is relighted after removing cord.	
15	Release NO SDR1 key and momentarily operate DISC1 key in one motion.	SUP1 lamp extinguished. BY1 lamp lighted. ON1 lamp momentarily extinguished. When operator disconnects— BY1 lamp remains lighted. At switchboard— Trunk lamp lighted. When operator reconnects, collects coin, and disconnects— BY1 lamp extinguished.
16	Release all operated keys.	
17	Momentarily operate DISC1 key.	All lamps extinguished.
18	Disconnect both patching cords.♦	

STEP	ACTION	VERIFICATION
BI.	Alarm for Grounded Interrupter Lead of Common Timing Circuit SD-96209-01	
1	At common timing circuit— Using 893 cord, apply ground to spring 3T of W relay.	Within 6 seconds— Associated aisle pilot lamp lighted. Major alarm sounds. At floor alarm cabinet— OT lamp lighted.
2	At common timing circuit— Remove ground from 3T of W relay.	Associated aisle pilot lamp extinguished. Major alarm silenced. At floor alarm cabinet— OT lamp extinguished.

