

PREPAYMENT COIN TRUNKS
OPERATION TESTS
USING TEST SET SD-31858-01 (J34701A)
STEP-BY-STEP SYSTEMS

1. GENERAL

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1.01 This section describes a method of testing the operating features of prepayment coin trunks in 355A, 360A, and 35E97 community dial offices, using the SD-31858-01 (J34701A) test set.

the use of test line SD-31642-01 is used.

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1.02 This section is reissued for the following reasons:

B. Coin Collect—BT Relay Operate—Trunk Cut-Through and Reversal Test—Loop Using Connector Test Line SD-31857-01, Fig. 3 (99 Terminal):

This test checks the coin collect features of the coin trunk, the BT relay for its test operate requirements, the cut-through and reversal feature, and includes provisions for offices equipped with differing circuit arrangements (dial-tone-first or coin first, BT relay operation arranged to hold or to release the switch train).

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(a) To revise Test D to include a critical test of the RT relay

(b) To revise 1.06 to define the RT relay test

(c) To add 1.08 regarding operation of the P1 relay

(d) To revise apparatus list to include additional apparatus used in Test D

C. Coin Return and BT Relay Nonoperate Test—Leak:

This test checks the coin return feature of the coin trunk, pulsing under a leak condition, and the BT relay on a nonoperate test condition, using connector test line SD-31857-01, Fig. 3 (99 terminal).

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(e) To make minor changes in Test H.

This reissue affects the Equipment Test List.

1.03 The tests covered are:

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A. Coin Collect—BT Relay Operate—Trunk Cut-Through and Reversal Test—Loop Using Connector Multiple Test Lines SD-31932-01, SD-31263-01, or SD-31642-01:

This test checks the coin collect features of the coin trunk, the BT relay for its test operate requirements, the cut-through and reversal feature, and includes provision for offices equipped with differing circuit arrangements (dial-tone-first or coin first, BT relay operation arranged to hold or to release the switch train). The cut-through test is made only if the method based on

D. Cut-Through and RT Relay Operate Test:

This test checks the ability of the coin trunk to cut through to an operator and applies a critical operate test of the RT relay.

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E. Stuck Coin Alarm Test: This test checks that the stuck coin alarm feature of the coin trunk functions satisfactorily.

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F. P1 Relay Release Test—Using Connector Test Line SD-31857-01, Fig. 3 (99 Terminal):

This test checks the ability of the P1 relay in the coin

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trunk to release satisfactorily under an open circuit condition.	11	coin deposit, providing a more critical operate test of the RT relay. Any RT relay that fails this test should be readjusted in accordance with the Circuit Requirements Table of SD-31592-01.◆
G. Coin Trunk Timed Release Circuit Test (SD-31861-01): This test checks that the coin trunk timed release circuit will release the trunk when a "stuck coin" condition is applied.	13	1.07 The method of testing ◆for the release of◆ the P1 relay under Test F depends on the existence of the CL jack in the test circuit, on the availability of connector test line jacks SD-31857-01, Fig. 3 (99 terminal), at the coin trunk relay rack, ◆and when testing through auxiliary coin trunk SD-32538-01, the ability to locate the test set near the coin box trunk and still connect the test set T jack to the auxiliary coin trunk TST jack.◆ Where these features are not provided, the P1 relay should be checked with a relay adjusting test set, if necessary.
H. Auxiliary Coin Trunk Test: This test checks the ability of auxiliary coin trunk circuit to allow a 3-digit service code call to be completed without the insertion of a coin at the coin station. It also checks the ability of the connecting coin trunk circuit to collect or return a coin.	14	1.08 ◆If necessary the operate value of the P1 relay should be tested in accordance with the Circuit Requirements Table of SD-31592-01, as the trunk test set is not designed to make an operate test of this relay.◆
I. Dial-Tone-First Using Prepay Coin Trunk SD-32539-01: This test checks the ability of coin trunk SD-32539-01 to complete calls not requiring coin deposit; to route to an announcement calls requiring a coin deposit if no coin is deposited; to pass coin collect and coin return current applied by 0 operator; to automatically collect or return coins for charge or noncharge calls, respectively.	17	1.09 All jacks, keys, and lamps referred to are located at the test set unless otherwise specified.
J. Prepay Coin Trunk SD-32539-01, Dial-Tone-First Arrangement Not Provided: This test checks the ability of coin trunk SD-32539-01 to pass collect and return current applied by 0 operator to the coin station and to automatically collect or return coins for charge and noncharge calls, respectively.	19	1.10 These tests should preferably be made during periods of light traffic.
1.04 Test A includes a cut-through test to be used where the SD-31642-01 test line is provided. Otherwise Test D should be used to check this feature.		1.11 Lettered Steps: A letter a, b, c, etc, added to a step number in Part 3 or 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 series of steps should be made is given in the ACTION column, and all steps governed by the same condition are designated by the same letter within a test. Where a condition does not apply, all steps designated by that letter should be omitted.
1.05 Test B is intended for use where a connector multiple test line is not available. It is based on the availability of connector test line jack SD-31857-01, Fig. 3 (99 terminal), at the coin trunk relay rack. If the test line is not available, make Test A to check the features in Test B.		1.12 The test equipment specified in this section is designed to apply proper marginal tests (simulated critical circuit conditions) when the circuit under test and the test equipment have an applied voltage of 48.5 to 50. In those offices where power plants are normally operated at more than
1.06 ◆The RT relay operate portion of Test D uses an external resistance ground to simulate		

50 volts, the battery voltage should be reduced and maintained within the required limits while the tests are being made.

2. APPARATUS

All Tests

- 2.01 Test set J34701A (SD-31858-01).
- 2.02 Head telephone set (for use with the J34701A test set).
- 2.03 Patching cords, two P3E cords, 6 feet long, equipped with red-shelled 310 plugs (3P7A cords).

Tests B and F

- 2.04 Patching cord, P3E cord, 6 feet long, equipped with black-shelled 310 plugs (3P6D cord).

Test D

- 2.05 Resistor 63L (500 ohms).
- 2.06 Testing cords, 1W13A cord, 893 cord, 3 feet long, equipped with two 360A tools and two KS-6278 connecting clips (used to connect 63L resistor to ground).
- 2.07 Testing cords, 2W7A cord, W2F cord, 9 feet 6 inches long, equipped with one 347C plug and two 59 cord tips (used to connect resistance ground to test set).

Test F

- 2.08 Patching cord, P3E cord, 6 feet long, equipped with 310 plugs (3P7A or 3P6D cord).

3. PREPARATION

STEP	ACTION	VERIFICATION
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All Tests

- | | | |
|---|---|--|
| 1 | Connect head telephone set to TEL jack. | |
| 2 | Insert plug of P3E cord into T jack. | |
| 3 | Using P3E cord, connect BAT G jack to 48-volt battery ground supply jack. | |

Note: To avoid possible grounding of battery supply lead, connect cord to test set first and, when disconnecting, remove cord from test set last.

Tests A, B, C, E, G, I, and J

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|----|--|-----------------------|
| 4a | If key to prevent alarm transmission is provided—
Operate AS key. | SDR GRD lamp lighted. |
|----|--|-----------------------|

Note: Where key is not provided, or where alarms are transmitted over extension alarm circuit and no provision is made to cut off the extension of alarms, it will be necessary to notify the proper person in the distant office to disregard the alarms during the testing procedures.

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STEP	ACTION	VERIFICATION
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5b If an audible alarm signal is provided—
Operate the associated AL or AUD key to position where audible alarm will be heard.

Note: Some offices may have circuit arrangements which do not furnish key control of the coin trunk timed release feature. In this case it will be necessary to block coin trunk timed release C relay in the nonoperated position.

Tests B and F

6 Patch B and R jacks to connector test line B and R jacks, respectively, using P3E cords.

Test D

7 Using 893 cord, connect one terminal of 63L resistor to ground.

8 Connect red (sleeve) conductor of 2W7A cord to other terminal of 63L resistor.

4. METHOD

STEP	ACTION	VERIFICATION
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A. Coin Collect—BT Relay Operate—Trunk Cut-Through and Reversal Test—Loop Using Connector Multiple Test Lines SD-31932-01, SD-31263-01, or SD-31642-01

6 Patch free end of P3E cord to coin trunk T jack of trunk under test.

BSY lamp not lighted.

Note: If lamp is lighted, remove plug immediately and make test later when trunk is idle.

Trunks Arranged to Hold the Switch Train After BT Relay Operates

7 Operate TP BT, CBT LP keys.

8 Operate, restore DL ST key.

SL lamp lighted.
Dial tone may or may not be heard (dial tone before or after coin deposit).

9 Operate CN key.

SL lamp remains lighted.

10 Dial operator level ().

Operator cannot be reached.

STEP	ACTION	VERIFICATION
11	Restore TP BT, CN keys.	
12	Operate, hold FL key.	SL lamp extinguished.
13	Restore FL key.	
14	Operate, restore DL ST key.	SL lamp lighted.
15	Proceed as in Steps 22c, 23d, or 24e as applicable.	
Trunks Arranged to Release the Switch Train After the BT Relay Operates		
16	Operate TP BT, CBT LP keys.	
17	Operate, restore DL ST key.	SL lamp lighted. Dial tone may or may not be heard (dial tone before or after coin deposit).
18	Operate CN key.	SL lamp extinguished.
19	Restore TP BT, CN keys.	
20	Operate, restore DL ST key.	SL lamp lighted.
21	Proceed as in Steps 22c, 23d, or 24e as applicable.	
All Trunks		
22c	On trunks arranged to give dial tone before coin deposit but not arranged for coinless access to specified numbers— Dial 0.	Dial tone still heard.
23d	On trunks arranged to give dial tone after coin deposit— Dial operator level ().	No dial tone heard. Operator cannot be reached.
24e	On trunks arranged for coinless access to specified numbers— Dial a number requiring coin deposit.	Announcement heard that this call requires a coin deposit.
25e	Operate, hold FL key.	SL lamp extinguished.
26e	Restore FL key.	
27e	Operate, restore DL ST key.	SL lamp lighted.
28	Operate CN key.	Dial tone heard.

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STEP	ACTION	VERIFICATION
29	Dial connector multiple test line in reverse battery connector group. <i>Note:</i> When test lines SD-31932-01, SD-31263-01, or SD-31642-01 are dialed, tripping is delayed. If tripping does not occur during first or second ringing interval, indication is that connector is ringing on another terminal. In this case, remain on the connection for a short time; if a subscriber or operator answers, operate the TRS key and advise that a test is being made.	Intermittent tone heard when loop closes. <i>Note:</i> Wait long enough to obtain at least three test line loop closures and note that REV lamp does not light during that time. Flickering of the lamp may be disregarded, but lamp should not come to full brilliancy during either a full tone or full silent period.
30f	Where test line SD-31642-01 is used— Operate REV key.	REV lamp lighted.
31f	Operate ID key.	
32f	Operate SW key at beginning of 5-second closed interval of test line. <i>Note:</i> On trunks arranged for delay interval, before setting the collect condition, do not operate SW key during first 5-second closed interval.	SL, REV lamps extinguished. BSY lamp lighted. CC lamp flashes at 60 IPM at end of 5-second closed interval. Trunk trouble lamp lighted steadily during following 2-second open interval.
33f	Restore CN key.	CC, BSY, trunk trouble lamps extinguished.
34f	Restore SW, ID, REV, CBT LP keys.	
35f	Remove cord from test jack unless other tests are to be made on trunk.	
36g	Where test line SD-31932-01 or SD-31263-01 is used— Operate ID key.	
37g	Operate, hold FL key.	CC lamp flashes at 60 IPM. Trunk trouble lamp lighted steadily.
38g	With FL key held operated— Restore CN key.	CC, SL, trunk trouble lamps extinguished.
39g	Restore FL, CBT LP, ID keys.	
40g	Remove cord from test jack unless other tests are to be made on this trunk.	

STEP	ACTION	VERIFICATION
B. Coin Collect—BT Relay Operate—Trunk Cut-Through and Reversal Test—Loop Using Connector Test Line SD-31857-01, Fig. 3 (99 Terminal)		
7	Patch free end of P3E cord to coin trunk T jack of trunk under test.	BSY lamp not lighted. <i>Note:</i> If lamp is lighted, remove plug immediately and make test later when trunk is idle.
Trunks Arranged to Hold the Switch Train After BT Relay Operates		
8	Operate TP BT, CBT LP keys.	
9	Operate, restore DL ST key.	SL lamp lighted. Dial tone may or may not be heard (dial tone before or after coin deposit).
10	Operate CN key.	SL lamp remains lighted.
11	Dial operator level ().	Operator cannot be reached.
12	Restore TP BT, CN keys.	
13	Operate, hold FL key.	SL lamp extinguished.
14	Restore FL key.	
15	Operate, restore DL ST key.	SL lamp lighted.
16	Proceed as in Steps 23c, 24d, or 25e as applicable.	
Trunks Arranged to Release the Switch Train After BT Relay Operates		
17	Operate TP BT, CBT LP keys.	
18	Operate, restore DL ST key.	SL lamp lighted. Dial tone may or may not be heard (dial tone before or after coin deposit).
19	Operate CN key.	SL lamp extinguished.
20	Restore TP BT, CN keys.	
21	Operate, restore DL ST key.	SL lamp lighted.
22	Proceed as in Steps 23c, 24d, or 25e as applicable.	

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STEP	ACTION	VERIFICATION
All Trunks		
23c	On trunks arranged to give dial tone before coin deposit— Dial 0.	Dial tone still heard.
24d	On trunks arranged to give dial tone after coin deposit— Dial operator level ().	No dial tone heard. Operator cannot be reached.
25e	If trunks arranged for coinless access to specified numbers— Dial a number requiring a coin deposit.	Announcement heard that this call requires a coin deposit.
26e	Operate, hold FL key.	SL lamp extinguished.
27e	Restore FL key.	
28e	Operate, restore DL ST key.	SL lamp lighted.
29	Operate CN key.	Dial tone heard.
30	Dial connector test line terminal. <i>Note:</i> Use ring-side code if connectors are of terminal-per-line type.	Audible ringing heard in receiver. Test set buzzer sounds.
31	Operate and release ANS key three times at slow-flashing rate.	Tone heard while key is operated. REV lamp not lighted. Ringing is tripped on first or second ringing interval. <i>Note 1:</i> Flickering of REV lamp may be disregarded, but lamp should not remain lighted during an entire interval that the ANS key is either operated or released. <i>Note 2:</i> If ringing is not tripped during first or second ringing interval, remain on the connection for a short time; if a subscriber or an operator answers, operate TRS key and advise that a test is being made.
32	Operate ANS key, then REV key.	REV lamp lighted. Buzzer relay operates continuously. Steady tone heard in receiver.
33	Operate ID key.	
34	Operate SW key.	

STEP	ACTION	VERIFICATION
35	After 3 to 4 seconds— Restore ANS key.	CC lamp flashes 60 IPM. Trunk trouble lamp lighted. SL, REV lamps extinguished. BSY lamp lighted.
36	Restore CN key.	CC, BSY lamps extinguished. Trunk trouble lamp extinguished.
37	Restore SW, CBT, LP, REV, ID keys.	
38	Remove test cord from trunk test jack unless other tests are to be performed on trunk.	
39	Remove patching connections to B and R jacks.	
C. Coin Return and BT Relay Nonoperate Test—Leak		
6	Patch free end of P3E cord to T jack of coin trunk under test.	BSY lamp not lighted. <i>Note:</i> If lamp is lighted, remove plug immediately and make test later when trunk is idle.
7	Operate ID key.	
8	Operate, restore DL ST key.	SL lamp lighted. Dial tone may or may not be heard (dial tone before or after coin deposit).
9	Operate CN key.	Dial tone heard in receiver.
10	Operate LK key.	
11	Dial connector test line (99 terminal).	Busy signal heard in receiver. <i>Note:</i> If ringing induction is heard, remain on the connection for a short time; if a subscriber or an operator answers, operate TRS key and advise that a test is being made.
12	Restore LK key.	
13	Operate SW key.	CR lamp flashes. SL lamp extinguished. BSY lamp lighted.
14	Operate REV after CR lamp has flashed several times.	CR lamp continues to flash. Trunk trouble lamp lighted steadily.
15	Restore CN key.	CR, BSY lamps extinguished. Trunk trouble lamp extinguished.

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STEP	ACTION	VERIFICATION
16	Restore SW, REV, ID keys.	
17	Remove test cord from trunk test jack unless other tests are to be conducted on this trunk.	
D. Cut-Through and ART Relay Operate Test		
9	Patch free end of P3E cord to T jack of coin trunk under test.	BSY lamp not lighted. <i>Note:</i> If lamp is lighted, remove plug immediately and make test later when trunk is idle.
10	Operate TRS key.	
11	Operate, restore DL ST key.	SL lamp lighted. Dial tone may or may not be heard (dial tone before or after coin deposit).
12	Connect 347C plug of 2W7A cord to left half of test set TT jack.	SL lamp remains lighted. Dial tone heard in receiver.
13	Dial code () to reach recording completing trunks. <i>Note:</i> If trunks are not provided, dial operator office code ().	Dial tone silenced. Operator answers. CR lamp lighted when automatic coin return feature functions. No excessive clicks heard in receiver.
14	Advise operator that test call is being made.	
15b	If automatic coin return feature is not provided— Request operator to return coin.	CR lamp lighted while coin return current is applied. No excessive clicks heard in receiver.
16	Remove 347C plug from TT jack.	
17	Operate, hold FL key.	SL lamp extinguished. If testing into TSPS office— CR lamp momentarily lighted.
18	Release FL key.	
19	Remove test cord from trunk test jack unless other tests are to be made on trunk.	
20	Disconnect 63L resistor from ground.	
E. Stuck Coin Alarm Test		
6	Patch free end of P3E cord to T jack of coin trunk under test.	BSY lamp not lighted.

STEP	ACTION	VERIFICATION
		<i>Note:</i> If lamp is lighted, remove plug immediately and make test later when trunk is idle.
7	Operate SW key.	
8	Operate CN, DL ST keys.	BSY lamp lighted. Dial tone heard in receiver.
9	Restore DL ST key.	BSY lamp remains lighted. CR lamp flashes at 60 IPM. Trunk trouble lamp steadily lighted. (Note that common coin alarm lamp lighted after an interval of approximately 2 to 4 minutes.)
		<i>Note:</i> If an audible alarm signal circuit is provided, the alarm should be heard when coin alarm lamp lights.
10	Release CN key.	CR, BSY lamps extinguished. Trunk trouble, coin alarm lamps and audible alarm (if provided) are retired.
11	Restore SW key.	
12	Proceed as in Steps 6 through 10 to test one coin trunk in each group.	
13	Operate transfer key of alarm circuit for coin trunks to test duplicate equipment and repeat Steps 6 through 10.	
14	Remove test cord from test jack of trunk unless other tests are to be conducted on this trunk.	
F. P1 Relay Release Test—Using Connector Test Line SD-31857-01, Fig. 3 (99 Terminal)		
7	Patch free end of P3E cord to T jack of coin trunk under test.	BSY lamp not lighted.
		<i>Note:</i> If lamp is lighted, remove plug immediately and make test later when trunk is idle.
8	Operate CBT LP key.	
9	Operate, restore DL ST key.	SL lamp lighted.
10	Operate CN key.	SL lamp remains lighted. Dial tone heard in receiver.

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STEP	ACTION	VERIFICATION
11	Dial test line of a reverse battery connector hundred group having an appearance at coin trunk bay.	
12	Operate TP BT, LK, BY, RR keys.	
13	Connect 6-foot patching cord to CL jack.	
14	Operate ANS key.	
15	Plug other end of patching cord into TT jack of trunk under test. <i>Note:</i> Insert plug into TT jack quickly to prevent opening circuit long enough to release connection.	Test set C lamp lighted.
16	Operate SW key.	SL, C lamps extinguished. BSY lamp lighted.
17	Restore RR key.	C lamp not lighted.
18	Remove cord from trunk TT jack.	
19	Disconnect cord from trunk T jack; restore all keys to normal.	

**▶Trunks Associated With Auxiliary Coin Trunk
SD-32538-01**

20	At auxiliary coin trunk— Operate MB key associated with auxiliary trunk to be tested.	MB lamp lighted.
21c	If MB lamp does not light in Step 20— Restore MB key and operate MB key of another auxiliary trunk until on can be found which causes MB lamp to light. <i>Note:</i> A lighted MB lamp indicates an idle auxiliary coin trunk circuit.	
22	Connect free end of 3P7A cord (other end connectd to T jack of test set) to TST jack of auxiliary trunk circuit. <i>Note:</i> For the following tests, the MI key must be in the nonoperated position and the LO key must be in the LO position.	
23	At test set— Operate DL ST key.	

STEP	ACTION	VERIFICATION
24	Operate, hold FL key.	
25	Operate CN, RCK keys.	
26	Restore FL key.	SL lamp lighted.
27	Dial telephone number assigned to test line for a change-type call ().	Connector connects to terminating test line number. Ringing heard in head telephone set.
28	After ringing is tripped— Restore DL ST, RCK keys.	
29	Operate TP BT key.	
30	Connect a 310 plug of 3P7A cord to CL jack.	
31	During a closed interval of test line— With a quick positive motion, insert free 310 plug of 3P7A cord into TT jack associated with outgoing end of trunk under test.	C lamp lighted. Tone no longer heard.
32	Within 3 seconds after connecting 310 plug to TT jack— Operate C key, then SW key.	SL, C lamps extinguished. BSY lamp lighted.
33	Restore C key.	
34	Operate RR key.	C lamp remains extinguished. <i>Note:</i> If C lamp lights, the indication usually is that P1 relay failed to release.
35	At trunk equipment— Remove plug from TT jack.	Interrupted tone may or may not be heard. Coin current may or may not be heard in receiver.
36	At test set— Restore RR, CN, TP BT, SW keys.	BSY lamp extinguished.
37	Remove test cord from CL jack.	
38	Unless further tests are to be made— Remove all cords; restore all keys.¶	

G. Coin Trunk Timed Release Circuit Test (SD-31861-01)

- 4 Make coin trunk timed release circuit effective either by operating ALM or AUD key or by removing blocking tool from C relay. (See Step 5b in Preparation.)

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STEP	ACTION	VERIFICATION
5	Patch free end of P3E cord to coin trunk T jack under test.	BSY lamp not lighted. <i>Note:</i> If lamp is lighted, remove plug immediately and make test later when trunk is idle.
6	Operate SW key.	
7	Operate CN, DL ST keys.	BSY lamp lighted. Dial tone heard in receiver.
8	Restore DL ST key. <i>Note:</i> When testing on a routine basis, a check of the coin trunk timed release circuit register should be made on one trunk in each group. When testing an individual trunk, a test of the register should be made on this trunk. In either case, read the register before and after making a test of the trunk.	BSY lamp remains lighted. CR lamp flashes at 60 IPM. Trunk trouble lamp steadily lighted. CR lamp flashes not more than three or four times, and the BSY and trunk trouble lamps are then extinguished.
9	Proceed as in Steps 5 through 8 on all other trunks.	
10	Remove all patching connections to trunk; restore all keys to normal.	
11	Operate ALM key (if used) in alarm circuit to position where local alarms are effective. <i>Note:</i> Upon restoration of ALM key, where an alarm feature is provided to indicate that the coin trunk timed release circuit has functioned to release a trunk from a stuck coin condition, observe that the associated SCN lamp lights and that the audible alarm sounds. Operate the associated RLS key and note that the visual and audible indications are retired.	

H. Auxiliary Coin Trunk Test

4	At auxiliary coin trunk— Operate MB key associated with auxiliary trunk to be tested.	MB lamp lighted.
5a	If MB lamp does not light in Step 4— Restore MB key and operate MB key of another auxiliary trunk until one can be found which causes MB lamp to light.	

STEP	ACTION	VERIFICATION
	<i>Note:</i> A lighted MB lamp indicates an idle auxiliary coin trunk circuit.	
6	Connect free end of P3E cord (other end connected to T jack of test set) to TST jack of auxiliary trunk circuit.	
	<i>Note:</i> For the following tests, the MI key must be in the nonoperated position and the LO key must be in the LO position.	
7	At test set— Operate DL ST key.	
8	Operate, hold FL key.	
9	Operate CN, RCK keys.	
10	Restore FL key.	SL lamp lighted. Dial tone heard in head telephone set.
11	Dial first three digits assigned to test line in a reverse battery connector group.	After third digit has been dialed— CTCK lamp momentarily lighted.
12	Continue to dial last four digits assigned to test line number.	Connector connects to terminating test line number. Ringing heard in head telephone set.
	<i>Note:</i> If it is desired to talk to the called end, the TRS key is operated and the RCK key is restored to normal. When conversation is completed, the RCK key is reoperated.	
13	Immediately after ringing is tripped— Operate and hold FL key.	CC lamp momentarily lighted. Switch train released.
		<i>Note:</i> If coin battery was also applied to the ring side of the line, the CR and CC lamps will alternately flash.
14	Restore DL ST, FL, RCK, CN keys.	SL lamp extinguished.
15	Operate DL ST key.	
16	Operate, hold FL key.	
17	Operate CN, RCK keys.	
18	Restore FL key.	SL lamp lighted. Dial tone heard in head telephone set.
19	Dial telephone number assigned to test line in a nonreversing connector group.	After third digit, CTCK lamp momentarily lighted.

STEP	ACTION	VERIFICATION
		Connector connects to terminating test line number. Ringing heard in head telephone set.
20	Immediately after ringing is tripped— Operate and hold FL key.	CR, CTCK lamps momentarily lighted. Switch train released. <i>Note:</i> If coin battery was also applied to the ring side of the line, the CR and CC lamps will alternately flash.
21	Restore DL ST, FL, RCK, CN keys.	SL lamp extinguished.
22	Operate DL ST key.	
23	Operate, hold FL key.	
24	Operate CN, RCK keys.	
25	Restore FL key.	SL lamp lighted. Dial tone heard in head telephone set.
26	Dial 0 operator.	Audible ringing heard. After operator answers, CR lamp momentarily lighted. REV lamp lighted.
27	Operate TRS key; restore RCK key.	
28	Advise operator of test being made.	
29	Restore DL ST, FL, CN keys.	Switch train released. SL, REV lamps extinguished.
30	Operate DL ST key.	
31	Operate, hold FL key.	
32	Operate CN, RCK keys.	
33	Restore FL key.	SL lamp lighted. Dial tone heard in head telephone set.
34	Dial digits assigned to 3-digit service code (such as 411).	After third digit is dialed— CTCK lamp not lighted. Ringing heard in head telephone set.
35	After ringing is tripped— Operate TRS key; restore RCK key.	Operator answers call.
36	Inform operator of test call being made.	

STEP	ACTION	VERIFICATION
37	Operate FL key.	CR, CTCK lamps momentarily lighted.
38	Restore all keys; remove cord from TST jack of auxiliary trunk under test.	<i>Note:</i> If coin battery was also applied to the ring side of the line, the CR and CC lamps will alternately flash.
39	Repeat Steps 1 through 38 for other auxiliary coin trunk circuits to be tested.	
40	Remove all cords; restore all keys.	
I. Dial-Tone-First Using Prepay Coin Trunk SD-32539-01		
4	Operate MB key of trunk to be tested.	MB lamp lighted.
		<i>Note:</i> Lighted MB lamp indicates an idle trunk. If trunk is busy and MB key is left operated, trunk will be removed from service and MB lamp lighted when it becomes idle.
5	Connect free end of 3P7A cord to TJF jack of idle trunk.	At test set— All lamps extinguished.
6	Operate DL ST, CBT LP keys.	Dial tone heard in head set. SL lamp lighted.
7	Operate SW key.	SL lamp extinguished. BSY lamp lighted.
8	Dial a free code other than zero ().	Call completed. If terminating trunk returns initial deposit— CR lamp lighted momentarily. If answer supervision returned— REV lamp lighted.
	<i>Note:</i> If necessary to talk on connection, operate TRS key. When conversation is completed, the TRS key should be restored.	
9	Restore DL ST key.	Switch train released. At test set— If terminating trunk returned initial deposit or if answer supervision returned— CC lamp lighted momentarily. Otherwise CR lamp lighted momentarily. At coin trunk— CND lamp lighted momentarily. Coin trunk released. At test set— BSY lamp extinguished.
10	Operate DL ST key.	Dial tone heard in head telephone set. At test set— BSY lamp lighted.

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STEP	ACTION	VERIFICATION
11	Dial test line number requiring coin deposit ().	After third digit, call routed to announcement indicating coin deposit is required.
12	Restore DL ST key.	Switch train released. At test set— CR lamp lighted momentarily. At coin trunk— CND lamp lighted momentarily.
13	Operate DL ST, CN keys.	Dial tone heard in head telephone set.
14	Dial test line number requiring coin deposit ().	Ringling tripped. Test tone heard in head telephone set. At coin trunk— REV relay follows line reversals. At test set— REV lamp remains extinguished.
15	Restore DL ST, SL keys.	Switch train released. At coin trunk— CND lamp lighted. At test set— CC lamp flashes at 60 IPM.
16	Restore CN key. <i>Note 1:</i> Coin trunk will attempt to dispose of coin as long as CN key is operated or until coin trunk timed release circuit, if provided, disconnects coin trunk. <i>Note 2:</i> On at least one trunk, the CN key should be left operated long enough to bring in a coin trunk alarm or to allow the coin trunk timed release circuit, if provided, to disconnect the coin trunk.	CC lamp extinguished. At coin trunk— CND lamp extinguished. Coin trunk released.
17	Operate DL ST key.	Dial tone heard in head telephone set.
18	Dial 0 operator.	Audible ringing heard unless operator answers in less than 4 seconds. Operator answers. REV lamp lighted. CR lamp momentarily lighted.
19	Operate TRS key.	
20	Advise operator that this is a test call.	
21	Operate CN key.	

STEP	ACTION	VERIFICATION
22	Request operator to return coin.	CR lamp lighted while coin return current is applied. REV lamp remains extinguished.
23	Request operator to collect coin.	CC lamp lighted while coin collect current is applied. REV lamp remains extinguished.
24	Restore CN, DL ST keys.	Switch train released. At test set— CC lamp lighted momentarily. At coin trunk— CND lamp lighted momentarily. Coin trunk released.
25	Remove 3P7A cord from TJF jack.	
26	Restore MB key.	
27	Repeat Steps 4 through 26 for other trunks to be tested.	
28a	If no further tests are to be performed— Remove all cords; restore all keys.	
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4	Operate MB key of trunk to be tested.	MB lamp lighted. <i>Note:</i> Lighted MB lamp indicates an idle trunk. If trunk is busy and MB key is left operated, trunk will be removed from service and MB lamp lighted when it becomes idle.
5	Connect free end of 3P7A cord to TJF jack of idle trunk.	At test set— All lamps extinguished.
6	Operate DL ST, CBT LP keys.	Dial tone heard in head set. SL lamp lighted.
7	Operate SW key.	SL lamp extinguished. BSY lamp lighted.
8	Restore DL ST key.	Switch train released. At test set— CR lamp lighted momentarily. At coin trunk— CND lamp lighted momentarily. Coin trunk released. At test set— BSY lamp extinguished.

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STEP	ACTION	VERIFICATION
9	Operate DL ST, CN keys.	Dial tone heard in head telephone set.
10	Dial test line number in a reverse battery connector group ().	Ringing tripped. Test tone heard in head telephone set. At coin trunk— REV relay follows line reversals. At test set— REV lamp remains extinguished.
11	Restore DL ST, SL keys.	Switch train released. At coin trunk— CND lamp lighted. At test set— CC lamp flashes at 60 IPM.
12	Restore CN key. <i>Note 1:</i> Coin trunk will attempt to dispose of coin as long as CN key is operated or until coin trunk timed release circuit, if provided, disconnects coin trunk. <i>Note 2:</i> On at least one trunk, the CN key should be left operated long enough to bring in a coin trunk alarm or to allow the coin trunk timed release circuit, if provided, to disconnect the coin trunk.	CC lamp extinguished. At coin trunk— CND lamp extinguished. Coin trunk released.
13	Operate DL ST key.	Dial tone heard in head telephone set.
14	Dial 0 operator.	Audible ringing heard unless operator answers in less than 4 seconds. Operator answers. REV lamp remains extinguished. CR lamp momentarily lighted.
15	Operate TRS key.	
16	Advise operator that this is a test call.	
17	Operate CN key.	
18	Request operator to return coin.	CR lamp lighted while coin return current is applied. REV lamp remains extinguished.
19	Request operator to collect coin.	CC lamp lighted while coin collect current is applied. REV lamp may light momentarily.
20	Restore CN, DL ST keys.	Switch train released. At test set—

STEP	ACTION	VERIFICATION
21	Remove 3P7A cord from TJF jack.	CC lamp lighted momentarily. At coin trunk— CND lamp lighted momentarily. Coin trunk released.
22	Restore MB key.	
23	Repeat Steps 4 through 22 for other trunks to be tested.	
24a	If no further tests are to be performed— Remove all cords; restore all keys.	