1. GENERAL

1.01 This section contains methods for testing the coin supervisory circuit SD-25736-01, and coin supervisory concentrating circuit SD-25721-01, using trunk test circuit SD-25918-01 in a No. 5 crossbar office using the master test frame.

1.02 The reasons for reissue are as follows:

(a) To change 1.01 to include SD-numbers for circuits involved.

(b) To make references throughout the section to Electronic Translation System (ETS).

(c) To add paragraphs 1.14 through 1.16.

(d) To make minor changes in text.

Revision arrows are used to emphasize the more significant changes. This reissue does not affect the Equipment Test Lists.

1.03 The tests covered are:

A. Coin Collect: This test checks the ability of the coin supervisory circuit to collect a coin when a call is completed.

B. Coin Return: This test checks the ability of the coin supervisory circuit to return a coin after the calling party has disconnected and the called party has not answered.

C. Stuck Coin—Return: This test checks the ability of the coin supervisory circuit to call in an operator when a failure to return a coin is encountered. When stuck coin recycle is provided, this test also checks that the coin supervisory circuit will recycle and attempt a second coin return prior to calling in an operator.

D. Stuck Coin—Collect: This test checks the ability of the coin supervisory circuit to call in an operator when a failure to collect a coin is encountered. When stuck coin recycle is provided, this test also checks that the coin supervisory circuit will recycle and attempt a second coin collection prior to calling in an operator.

E. Check for Overtime Deposit—Coin in Box: This test checks the ability of the coin supervisory circuit to collect the initial deposit and to check for the presence of a second deposit at the beginning of the overtime period. The operator will not be called in since the indication is that a coin has been deposited.

F. Check for Overtime Deposit—No Coin in Box: This test checks the ability of the coin supervisory circuit to collect the initial deposit and to check for the presence of a second deposit at the beginning of the overtime period. Since the indication is that the overtime coin has not been deposited, the circuit will summon an operator or an announcement (when provided).
G. No Coin in Box at Collect Attempt: This test checks the ability of the coin supervisory circuit to call in an operator when the indication is that there is no coin in the box on a collect attempt.

H. Load Control Feature: This test checks the ability of the coin supervisory release circuit to cancel the coin-present tests at the end of the initial timing interval and at the beginning of the overtime period when all the coin supervisory circuits in the group are busy. If no coin is present under these conditions, the operator will not be called in.

I. Coin Supervisory Alarm and Hold Features: This test checks for the proper functioning of the link, time, and release link alarms associated with the coin supervisory circuit. It also checks that the coin supervisory circuit releases the connection when the coin supervisory alarm functions or holds the connection if the HLD (hold) key is operated.

J. Availability of Coin Supervisory Concentrating Circuits: This test checks that each coin supervisory concentrating circuit is available to each coin supervisory circuit.

K. Coin Supervisory Concentrating Circuit Alarm: This test checks the ability of a coin supervisory concentrating circuit to bring in a minor alarm if it fails to connect a coin supervisory circuit to an operator position within 13 to 32 seconds after receiving an operator-wanted signal from the coin supervisory circuit. It also checks that when an alarm occurs the operator wanted signal is transferred to the succeeding concentrating circuit.

L. A Relay Failure Alarm: This test checks the ability of the coin supervisory concentrating circuit to bring in a delayed alarm (when this feature is provided) if the A relay fails to operate over the ST lead.

M. Overtime Announcement Failure: This test checks that an operator is summoned on an overtime call should a failure occur at the announcement machine.

1.04 When the test intraoffice trunk (IAO) is not provided, all tests except L are made with the trunks made busy which have appearances in the same horizontal group of the coin supervisory link frame as the intraoffice trunk selected for the test.

1.05 Tests J and K are made with all coin supervisory concentrating circuits made busy except the circuit being tested.

1.06 Actions and verifications are required at the following locations:

(a) When the test IAO trunk is not provided, all tests except Test L require actions and verifications at the master test frame (MTF) and at the coin supervisory link frame.

(b) Tests H, I, and K require actions and verifications at the MTF, coin supervisory link frame, and coin supervisory circuit key and lamp panel.

(c) Tests C, D, F, G, J, K, and M require assistance from the switchboard.

(d) Test M requires action at the voice alarm and control circuit.

1.07 In offices equipped with coin supervisory concentrating circuits, Test C may be omitted if Test J is performed.

1.08 In Tests E, F, G, H, and M, space is provided to enter the number of minutes which must elapse between the operation of the ANS key and subsequent actions when the test IAO trunk is not provided. In all cases, this interval is either the initial timing period, or the initial timing period less thirty seconds, as established for the local area.
1.09 When the test IAO trunk is provided, failure of the CSI lamp to light indicates that the selected coin supervisory circuit is service-busy and not available for testing.

1.10 Local instructions should be followed with reference to any register operations caused by performing these tests.

1.11 **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.

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

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

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


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

1.16 On issue 76D of SD-25800-01 a group of 18 "class of test" lamps was replaced by a single "start test" lamp designated STT. Since the designation given to the lamp is not specific, the lamp will not be called out in the section, as well as the 18 discontinued lamps, DT, ORIG, ITDO, ITNP, OGT, INC, OR, SDR, IR, MISC, IAO, MLV, LT, IMS, PTT, TVT, ATNT, and IMT.

### 2. APPARATUS

**All Tests Except L**

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

2.02 MTF trunk test circuit, SD-25918-01.

2.03 MTF telephone, key, and lamp circuit, SD-25744-01.

2.04 MTF miscellaneous circuit, SD-25748-01.

2.05 322A (make-busy) plugs as required.

**All Tests Except H**

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

**Tests E Through I, K, L, and M**

2.07 KS-3008 stopwatch or equivalent.

**Test L**

2.08 Testing cord, 893 cord, 6 feet long, equipped with two 360A tools (1W13B cord), one 365 (connecting clip) tool, and one 419A (test connector) tool (for connecting ground to relay spring).

**Tests M**

2.09 Voice alarm and control circuit SD-27980-01 (when 7A announcement machine is provided).
<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1a</td>
<td>If test IAO trunk is not provided—&lt;br&gt;Determine from office records an IAO trunk arranged for coin service which has access to the coin supervisory circuit under test.</td>
<td></td>
</tr>
<tr>
<td>2a</td>
<td>At coin supervisory link frame—&lt;br&gt;Determine which trunks have appearances in the same horizontal group as the trunk selected in Step 1a.</td>
<td></td>
</tr>
<tr>
<td>3a</td>
<td>At relay rack or OGT bay (as required)—&lt;br&gt;Make busy all trunks in the horizontal group.</td>
<td></td>
</tr>
<tr>
<td>4b</td>
<td>If test IAO trunk is provided—&lt;br&gt;Determine from office records the test IAO trunk having access to the coin supervisory circuit under test.</td>
<td></td>
</tr>
<tr>
<td>5b</td>
<td>At MTF—&lt;br&gt;Insert make-busy plug into MB_jack associated with selected test IAO trunk.</td>
<td>MB lamp associated with test IAO trunk lighted when trunk is available for use in testing.</td>
</tr>
<tr>
<td>6b</td>
<td>Set CSS_ switch to select first coin supervisory circuit in group.</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Select completing marker.</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Select originating class of call and associated translator indication.</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Select coin class of service and rate treatment as required.</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Select IAO class of test.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Select route advance 0.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Select ringing combination 1.</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Select A_, B_, C_ digits as required to route call to IAO trunk.</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Select trunk location of IAO trunk to be used for testing (Step 1a or 2a).</td>
<td></td>
</tr>
<tr>
<td>STEP</td>
<td>ACTION</td>
<td>VERIFICATION</td>
</tr>
<tr>
<td>------</td>
<td>--------</td>
<td>--------------</td>
</tr>
<tr>
<td>15</td>
<td>Operate GPA/GPB key when IAO trunk is in an allotted group.</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Operate NTFS, NTTS, TTL keys.</td>
<td></td>
</tr>
<tr>
<td>17c</td>
<td>If ETS provided—Operate PCS, PTS keys.</td>
<td></td>
</tr>
</tbody>
</table>

All Tests Except H and L

18d If test IAO trunk is not provided and coin supervisory link circuit is nonwire-spring-relay type—
At coin supervisory link frame—
Block operated all RB_ relays in same horizontal group as selected trunk, except RB0.

19e If test IAO trunk is not provided and coin supervisory link circuit is wire-spring-relay type—
At coin supervisory link frame—
Block operated all SB_ relays in the same horizontal group as selected trunk, except SB0.

Tests A Through F and J

20f If coin service improvement (dial-tone-first) is provided—
At MTF—Operate DTNF key.

4. METHOD

<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Coin Collect</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Operate TLK, CN keys.</td>
<td>♦If ETS provided—FT lamp lighted.♦ AS, TS lamps lighted. R- lamp flashes. If test IAO trunk is provided—CSI lamp lighted. (Refer to 1.09.)</td>
</tr>
<tr>
<td>22</td>
<td>Momentarily operate ST key.</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Operate ANS key.</td>
<td>R- lamp extinguished. High tone heard. If test IAO trunk and overtime coin timing are provided—In 2 to 20 seconds—</td>
</tr>
<tr>
<td>STEP</td>
<td>ACTION</td>
<td>VERIFICATION</td>
</tr>
<tr>
<td>------</td>
<td>----------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>24g</td>
<td>If test IAO trunk and overtime coin timing are provided—</td>
<td>CND lamp extinguished.</td>
</tr>
<tr>
<td></td>
<td>Momentarily restore CN key.</td>
<td>High tone momentarily silenced.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If test IAO trunk and coin service improvement (dial-tone-first) are provided—</td>
</tr>
<tr>
<td></td>
<td></td>
<td>In 2 to 20 seconds—</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CC, PK, CPT lamps momentarily lighted.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CND lamp lighted.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OLF lamp does not light.</td>
</tr>
<tr>
<td>25</td>
<td>Restore TLK, ANS keys.</td>
<td>High tone silenced.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CC lamp momentarily lighted.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CND lamp lighted.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If coin service improvement (dial-tone-first) is provided—</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PK lamp momentarily lighted.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OLF lamp does not light.</td>
</tr>
<tr>
<td>26</td>
<td>Restore CN key.</td>
<td>CND lamp extinguished.</td>
</tr>
<tr>
<td>27</td>
<td>Momentarily operate RL key.</td>
<td>All lamps extinguished.</td>
</tr>
<tr>
<td>28a</td>
<td>If test IAO trunk is not provided—</td>
<td></td>
</tr>
<tr>
<td></td>
<td>At coin supervisory link frame—</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Block operated the released RB_ or SB_ relay.</td>
<td></td>
</tr>
<tr>
<td>29a</td>
<td>Remove blocking tool from next RB_ or SB_ relay.</td>
<td></td>
</tr>
<tr>
<td>30b</td>
<td>If test IAO trunk is provided—</td>
<td></td>
</tr>
<tr>
<td></td>
<td>At MTF—</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Set CSS_switch to select next coin supervisory circuit in the group.</td>
<td></td>
</tr>
</tbody>
</table>
31 Repeat Steps 21 through 30b until all coin supervisory circuits in the group are tested.

32a If test IAO trunk is not provided—
Remove blocking tools from RB_ or SB_relay.

33a At relay rack or OGT bay (as required)—
Restore to service trunks made busy for tests.

34b If test IAO trunk is provided—
At MTF—
Remove make-busy plug from test IAO trunk MB_jack.

35 Restore all keys and switches not required in next test.

B. Coin Return

21 Operate TLK, CN keys.

22 Momentarily operate ST key.

23 Restore TLK key.

24 Restore CN key.

25 Momentarily operate RL key.

26a If test IAO trunk is not provided—
At coin supervisory link frame—
Block operated the released RB_ or SB relay.

27a Remove blocking tool from next RB_ or SB relay.

28b If test IAO trunk is provided—
At MTF—
Set CSS_switch to select next coin supervisory circuit in the group.

*If ETS provided—
FT lamp lighted.*
AS, TS lamps lighted.
R_ lamp flashes.

*If test IAO trunk is provided—
CSI lamp lighted. (Refer to 1.09.)

CR lamp momentarily lighted.
CND lamp lighted.
AS, TS, R_ lamps extinguished.

*If coin service improvement (dial tone first) is provided—
CPT lamp momentarily lighted.
OLF lamp does not light.

CND lamp extinguished.

All lamps extinguished.
### SECTION 218-201-501

<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>Repeat Steps 21 through 28b until all coin supervisory circuits in the group are tested.</td>
<td></td>
</tr>
<tr>
<td>30a</td>
<td>If test IAO trunk is not provided— Remove blocking tools from RB_ or SB_ relays.</td>
<td></td>
</tr>
<tr>
<td>31a</td>
<td>At relay rack or OGT bay (as required)— Restore to service trunks made busy for tests.</td>
<td></td>
</tr>
<tr>
<td>32b</td>
<td>If test IAO trunk is provided— At MTF— Remove make-busy plug from test IAO trunk MB_ jack.</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>Restore all keys and switches not required in next test.</td>
<td></td>
</tr>
</tbody>
</table>

### C. Stuck Coin—Return

*Note:* Refer to 1.07.

<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>Operate TLK, STK CN keys.</td>
<td>AS, TS lamps lighted. R- lamp flashes. <em>If test IAO trunk is provided</em>— CSI lamp lighted. (Refer to 1.09.)</td>
</tr>
<tr>
<td>22</td>
<td>Momentarily operate ST key.</td>
<td><em>If ETS provided</em>— FT lamp lighted.</td>
</tr>
<tr>
<td>23</td>
<td>Restore TLK key.</td>
<td>CND lamp lighted. TS, R- lamps extinguished. <em>If stuck coin recycle is not provided</em>— CR lamp momentarily lighted. <em>If stuck coin recycle is not provided and coin service improvement (dial-tone-first) is provided</em>— CR lamp momentarily lighted. CPT lamp momentarily lighted twice. OLF lamp does not light. <em>If stuck coin recycle is provided</em>— CR lamp momentarily lighted twice. <em>If stuck coin recycle and coin service improvement (dial-tone-first) are provided</em>— CR lamp momentarily lighted twice. CPT lamp momentarily lighted four times. OLF lamp does not light.</td>
</tr>
<tr>
<td>24</td>
<td>Restore STK CN key.</td>
<td>CND lamp extinguished.</td>
</tr>
<tr>
<td>STEP</td>
<td>ACTION</td>
<td>VERIFICATION</td>
</tr>
<tr>
<td>------</td>
<td>------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>25</td>
<td>Operate TLK key.</td>
<td>At operator position— SC lamp lighted.</td>
</tr>
<tr>
<td>26</td>
<td>When operator answers— Advise operator that this is a test call.</td>
<td>At operator position— Off-hook condition indicated. *If coin service improvement (dial-tone-first) is provided— At MTF— PK lamp lighted.</td>
</tr>
<tr>
<td>STEP</td>
<td>ACTION</td>
<td>VERIFICATION</td>
</tr>
<tr>
<td>------</td>
<td>--------</td>
<td>--------------</td>
</tr>
</tbody>
</table>
| 36b  | If test IAO trunk is provided—  
      At MTF—  
      Set CSS_ switch to select next coin supervisory  
      circuit in the group. |  |
| 37   | Repeat Steps 21 through 36b until all coin  
      supervisory circuits in the group are tested. |  |
| 38a  | If test IAO trunk is not provided—  
      Remove blocking tools from RB_ or SB_  
      relays. |  |
| 39a  | At relay rack or OGT bay (as required)—  
      Restore to service trunks made busy for tests. |  |
| 40b  | If test IAO is provided—  
      At MTF—  
      Remove make-busy plug from test IAO trunk  
      MB_ jack. |  |
| 41   | Restore all keys and switches not required in  
      next test. |  |

D. Stuck Coin—Collect

21 Operate TLK, STK CN keys.

22 Momentarily operate ST key.

---

\*11 If ETS provided—  
  FT lamp lighted.\*  
  AS, TS lamps lighted.  
  R- lamp flashes.  
If test IAO trunk is provided—  
  CSI lamp lighted. (Refer to 1.09.)

R- lamp extinguished.  
High tone heard.  
If test IAO trunk and overtime coin  
  timing are provided—  
  In 2 to 20 seconds—  
  CC lamp momentarily lighted.  
  CND lamp lighted.

If test IAO trunk, overtime coin timing,  
  and coin service improvement (dial-tone-  
  first) are provided—  
  In 2 to 20 seconds—  
  CC, PK, CPT lamps momentarily lighted.  
  CND lamp lighted.  
  OLF lamp does not light.  
\*11 If test IAO trunk, and coin service  
  improvement (dial-tone-first) are  
  provided—  
  Without overtime coin timing—
<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>In 2 to 20 seconds—&lt;br&gt;CC, CPT lamps momentarily lighted.&lt;br&gt;CND lamp lighted.</td>
</tr>
<tr>
<td>24g</td>
<td>If test IAO trunk and overtime coin timing are provided—&lt;br&gt;Momentarily restore STK CN key.</td>
<td>&lt;br&gt;TS lamp extinguished.$.$&lt;br&gt;High tone silenced.&lt;br&gt;CND lamp lighted.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is not provided</strong>—&lt;br&gt;CC lamp momentarily lighted.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is not provided and coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;CC lamp momentarily lighted.&lt;br&gt;CPT lamp momentarily lighted twice.&lt;br&gt;OLF lamp $\text{does not}$ light.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is provided</strong>—&lt;br&gt;CC lamp momentarily lighted twice.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle and coin service improvement (dial-tone-first) are provided</strong>—&lt;br&gt;CC lamp momentarily lighted twice.&lt;br&gt;CPT lamp momentarily lighted four times.&lt;br&gt;OLF lamp $\text{does not}$ light.&lt;br&gt;CND lamp extinguished.&lt;br&gt;At operator position—&lt;br&gt;SC lamp flashes.&lt;br&gt;&lt;br&gt;<strong>If coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;At MTF—&lt;br&gt;PK lamp lighted.&lt;br&gt;&lt;br&gt;<strong>If coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;PK lamp extinguished.</td>
</tr>
<tr>
<td>25</td>
<td>Restore TLK, ANS keys.</td>
<td>&lt;br&gt;CND lamp $\text{extinguished}$$.$&lt;br&gt;High tone silenced.&lt;br&gt;CND lamp lighted.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is not provided</strong>—&lt;br&gt;CC lamp momentarily lighted.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is not provided and coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;CC lamp momentarily lighted.&lt;br&gt;CPT lamp momentarily lighted twice.&lt;br&gt;OLF lamp $\text{does not}$ light.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is provided</strong>—&lt;br&gt;CC lamp momentarily lighted twice.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle and coin service improvement (dial-tone-first) are provided</strong>—&lt;br&gt;CC lamp momentarily lighted twice.&lt;br&gt;CPT lamp momentarily lighted four times.&lt;br&gt;OLF lamp $\text{does not}$ light.&lt;br&gt;CND lamp extinguished.&lt;br&gt;At operator position—&lt;br&gt;SC lamp flashes.&lt;br&gt;&lt;br&gt;<strong>If coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;At MTF—&lt;br&gt;PK lamp lighted.&lt;br&gt;&lt;br&gt;<strong>If coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;PK lamp extinguished.</td>
</tr>
<tr>
<td>26</td>
<td>Restore STK CN key.</td>
<td>&lt;br&gt;CND lamp $\text{extinguished}$$.$&lt;br&gt;High tone silenced.&lt;br&gt;CND lamp lighted.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is not provided</strong>—&lt;br&gt;CC lamp momentarily lighted.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is not provided and coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;CC lamp momentarily lighted.&lt;br&gt;CPT lamp momentarily lighted twice.&lt;br&gt;OLF lamp $\text{does not}$ light.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is provided</strong>—&lt;br&gt;CC lamp momentarily lighted twice.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle and coin service improvement (dial-tone-first) are provided</strong>—&lt;br&gt;CC lamp momentarily lighted twice.&lt;br&gt;CPT lamp momentarily lighted four times.&lt;br&gt;OLF lamp $\text{does not}$ light.&lt;br&gt;CND lamp extinguished.&lt;br&gt;At operator position—&lt;br&gt;SC lamp flashes.&lt;br&gt;&lt;br&gt;<strong>If coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;At MTF—&lt;br&gt;PK lamp lighted.&lt;br&gt;&lt;br&gt;<strong>If coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;PK lamp extinguished.</td>
</tr>
<tr>
<td>27</td>
<td>Operate TLK key.</td>
<td>&lt;br&gt;CND lamp $\text{extinguished}$$.$&lt;br&gt;High tone silenced.&lt;br&gt;CND lamp lighted.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is not provided</strong>—&lt;br&gt;CC lamp momentarily lighted.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is not provided and coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;CC lamp momentarily lighted.&lt;br&gt;CPT lamp momentarily lighted twice.&lt;br&gt;OLF lamp $\text{does not}$ light.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is provided</strong>—&lt;br&gt;CC lamp momentarily lighted twice.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle and coin service improvement (dial-tone-first) are provided</strong>—&lt;br&gt;CC lamp momentarily lighted twice.&lt;br&gt;CPT lamp momentarily lighted four times.&lt;br&gt;OLF lamp $\text{does not}$ light.&lt;br&gt;CND lamp extinguished.&lt;br&gt;At operator position—&lt;br&gt;SC lamp flashes.&lt;br&gt;&lt;br&gt;<strong>If coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;At MTF—&lt;br&gt;PK lamp lighted.&lt;br&gt;&lt;br&gt;<strong>If coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;PK lamp extinguished.</td>
</tr>
<tr>
<td>28</td>
<td>When operator answers—&lt;br&gt;Advise operator that this is a test call.</td>
<td>&lt;br&gt;CND lamp $\text{extinguished}$$.$&lt;br&gt;High tone silenced.&lt;br&gt;CND lamp lighted.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is not provided</strong>—&lt;br&gt;CC lamp momentarily lighted.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is not provided and coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;CC lamp momentarily lighted.&lt;br&gt;CPT lamp momentarily lighted twice.&lt;br&gt;OLF lamp $\text{does not}$ light.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is provided</strong>—&lt;br&gt;CC lamp momentarily lighted twice.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle and coin service improvement (dial-tone-first) are provided</strong>—&lt;br&gt;CC lamp momentarily lighted twice.&lt;br&gt;CPT lamp momentarily lighted four times.&lt;br&gt;OLF lamp $\text{does not}$ light.&lt;br&gt;CND lamp extinguished.&lt;br&gt;At operator position—&lt;br&gt;SC lamp flashes.&lt;br&gt;&lt;br&gt;<strong>If coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;At MTF—&lt;br&gt;PK lamp lighted.&lt;br&gt;&lt;br&gt;<strong>If coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;PK lamp extinguished.</td>
</tr>
<tr>
<td>29h</td>
<td>If coin supervisory circuits are not arranged for coin disposal following stuck coin release—&lt;br&gt;Request operator to disconnect.</td>
<td>&lt;br&gt;CND lamp $\text{extinguished}$$.$&lt;br&gt;High tone silenced.&lt;br&gt;CND lamp lighted.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is not provided</strong>—&lt;br&gt;CC lamp momentarily lighted.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is not provided and coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;CC lamp momentarily lighted.&lt;br&gt;CPT lamp momentarily lighted twice.&lt;br&gt;OLF lamp $\text{does not}$ light.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is provided</strong>—&lt;br&gt;CC lamp momentarily lighted twice.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle and coin service improvement (dial-tone-first) are provided</strong>—&lt;br&gt;CC lamp momentarily lighted twice.&lt;br&gt;CPT lamp momentarily lighted four times.&lt;br&gt;OLF lamp $\text{does not}$ light.&lt;br&gt;CND lamp extinguished.&lt;br&gt;At operator position—&lt;br&gt;SC lamp flashes.&lt;br&gt;&lt;br&gt;<strong>If coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;At MTF—&lt;br&gt;PK lamp lighted.&lt;br&gt;&lt;br&gt;<strong>If coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;PK lamp extinguished.</td>
</tr>
<tr>
<td>30h</td>
<td>At MTF—&lt;br&gt;Restore TLK key.</td>
<td>&lt;br&gt;CND lamp $\text{extinguished}$$.$&lt;br&gt;High tone silenced.&lt;br&gt;CND lamp lighted.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is not provided</strong>—&lt;br&gt;CC lamp momentarily lighted.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is not provided and coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;CC lamp momentarily lighted.&lt;br&gt;CPT lamp momentarily lighted twice.&lt;br&gt;OLF lamp $\text{does not}$ light.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle is provided</strong>—&lt;br&gt;CC lamp momentarily lighted twice.&lt;br&gt;&lt;br&gt;<strong>If stuck coin recycle and coin service improvement (dial-tone-first) are provided</strong>—&lt;br&gt;CC lamp momentarily lighted twice.&lt;br&gt;CPT lamp momentarily lighted four times.&lt;br&gt;OLF lamp $\text{does not}$ light.&lt;br&gt;CND lamp extinguished.&lt;br&gt;At operator position—&lt;br&gt;SC lamp flashes.&lt;br&gt;&lt;br&gt;<strong>If coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;At MTF—&lt;br&gt;PK lamp lighted.&lt;br&gt;&lt;br&gt;<strong>If coin service improvement (dial-tone-first) is provided</strong>—&lt;br&gt;PK lamp extinguished.</td>
</tr>
<tr>
<td>STEP</td>
<td>ACTION</td>
<td>VERIFICATION</td>
</tr>
<tr>
<td>------</td>
<td>--------</td>
<td>--------------</td>
</tr>
</tbody>
</table>
| 31i  | If coin supervisory circuits are arranged for coin disposal following stuck coin release— At MTF— Operate CN key. | CC lamp momentarily lighted. CND lamp lighted. ♦AS lamp extinguished.♦ 
*If coin service improvement (dial-tone-first) is provided*— CPT lamp momentarily lighted. PK lamp extinguished. OLF lamp *does not* light. |
| 32i  | Request operator to disconnect. | CND lamp extinguished. |
| 33i  | Restore TLK, CN keys. | All lamps extinguished. |
| 34   | Momentarily operate RL key. |  |
| 35a  | If test IAO trunk is not provided— At coin supervisory link frame— Block operated the released RB_ or SB_ relay. |  |
| 36a  | Remove blocking tool from next RB_ or SB_ relay. |  |
| 37b  | If test IAO trunk is provided— At MTF— Set CSS_ switch to select next coin supervisory circuit in the ground. |  |
| 38   | Repeat Steps 21 through 37b until all coin supervisory circuits in the group are tested. |  |
| 39a  | If test IAO trunk is not provided— Remove blocking tools from RB_ or SB_ relays. |  |
| 40a  | At relay rack or OGT bay (as required)— Restore to service trunks made busy for tests. |  |
| 41b  | If test IAO trunk is provided— At MTF— Remove make-busy plug from test IAO trunk MB_ jack. |  |
| 42   | Restore all keys and switches not required in next test. |  |

E. Check for Overtime Deposit—Coin in Box

21 Operate TLK, CN keys.
STEP 22
Momentarily operate ST key.

STEP 23
Operate ANS key; *start timing.*

STEP 24g
If coin service improvement (dial-tone-first) is not provided—
Momentarily restore CN key.

STEP 25h
If coin service improvement (dial-tone-first) is provided—
Restore CN key.

STEP 26h
Restore DTNF key.

STEP 27h
Operate OTCN key.

STEP 28a
If test IAO trunk is not provided—
At end of initial timing period, ( ) minutes—

<table>
<thead>
<tr>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>If ETS provided</em>—</td>
</tr>
<tr>
<td>FT lamp lighted.</td>
</tr>
<tr>
<td>AS, TS lamps lighted.</td>
</tr>
<tr>
<td>R- lamp flashes.</td>
</tr>
<tr>
<td><em>If test IAO trunk is provided</em>—</td>
</tr>
<tr>
<td>CSI lamp lighted. (Refer to 1.09.)</td>
</tr>
<tr>
<td>R- lamp extinguished.</td>
</tr>
<tr>
<td>High tone heard.</td>
</tr>
<tr>
<td><em>If test IAO trunk is not provided</em>—</td>
</tr>
<tr>
<td>30 seconds before end of initial timing period, ( ) minutes—</td>
</tr>
<tr>
<td>Low tone heard for 1/2 second.</td>
</tr>
<tr>
<td>CC lamp momentarily lighted.</td>
</tr>
<tr>
<td>CND lamp lighted.</td>
</tr>
<tr>
<td><em>If test IAO trunk is not provided and coin service improvement (dial-tone-first) is provided</em>—</td>
</tr>
<tr>
<td>30 seconds before end of initial timing period, ( ) minutes—</td>
</tr>
<tr>
<td>Low tone heard for 1/2 second.</td>
</tr>
<tr>
<td>PK, CC, CPT lamps momentarily lighted.</td>
</tr>
<tr>
<td>CND lamp lighted.</td>
</tr>
<tr>
<td>OLF lamp does not light.</td>
</tr>
<tr>
<td><em>If test IAO trunk is provided</em>—</td>
</tr>
<tr>
<td>In 2 to 20 seconds—</td>
</tr>
<tr>
<td>Low tone heard for 1/2 second.</td>
</tr>
<tr>
<td>CC lamp momentarily lighted.</td>
</tr>
<tr>
<td>CND lamp lighted.</td>
</tr>
<tr>
<td><em>If test IAO trunk and coin service improvement (dial-tone-first) are provided</em>—</td>
</tr>
<tr>
<td>In 2 to 20 seconds—</td>
</tr>
<tr>
<td>Low tone heard for 1/2 second.</td>
</tr>
<tr>
<td>PK, CPT, CC lamps momentarily lighted.</td>
</tr>
<tr>
<td>CND lamp lighted.</td>
</tr>
<tr>
<td>OLF lamp does not light.</td>
</tr>
<tr>
<td>CND lamp extinguished.</td>
</tr>
<tr>
<td>CND lamp extinguished.</td>
</tr>
<tr>
<td>If coin service improvement (dial-tone-first) is provided—</td>
</tr>
</tbody>
</table>
### SECTION 218-201-501

<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>29a</td>
<td>If test IAO trunk is provided—&lt;br&gt;After 15 seconds—&lt;br&gt;Verify that high tone is momentarily interrupted.</td>
<td><strong>PK, LPK, CPT lamps momentarily lighted.</strong>&lt;br&gt;<strong>OLF lamp does not light.</strong>&lt;br&gt;*If coin service improvement (dial-tone-first) is provided—**&lt;br&gt;<strong>PK, LPK, CPT lamps momentarily lighted.</strong>&lt;br&gt;<strong>OLF lamp does not light.</strong>&lt;br&gt;Operator does not answer.</td>
</tr>
<tr>
<td>30</td>
<td>Listen for 30 seconds.</td>
<td></td>
</tr>
<tr>
<td>31h</td>
<td>If coin service improvement (dial-tone-first) is provided—&lt;br&gt;Restore OTCN key.</td>
<td></td>
</tr>
<tr>
<td>32h</td>
<td>Operate DTNF key.</td>
<td></td>
</tr>
<tr>
<td>33h</td>
<td>Operate CN key.</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Restore TLK, ANS keys.</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Restore CN key.</td>
<td>AS, TS lamps extinguished.&lt;br&gt;CC lamp momentarily extinguished.&lt;br&gt;CND lamp lighted.&lt;br&gt;*If coin service improvement (dial-tone-first) is provided—**&lt;br&gt;CPT lamp momentarily lighted.&lt;br&gt;OLF lamp does not light. &lt;br&gt;CND lamp extinguished. &lt;br&gt;All lamps extinguished.</td>
</tr>
<tr>
<td>36</td>
<td>Momentarily operate RL key.</td>
<td></td>
</tr>
<tr>
<td>37a</td>
<td>If test IAO trunk is not provided—&lt;br&gt;At coin supervisory link frame—&lt;br&gt;Block operated the released RB_ or SB_ relay.</td>
<td></td>
</tr>
<tr>
<td>38a</td>
<td>Remove blocking tool from next RB_ or SB_ relay.</td>
<td></td>
</tr>
<tr>
<td>39b</td>
<td>If test IAO trunk is provided—&lt;br&gt;At MTF—&lt;br&gt;Set CSS_ switch to select next coin supervisory circuit in the group.</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>Repeat Steps 21 through 39b until all coin supervisory circuits in the group are tested.</td>
<td></td>
</tr>
<tr>
<td>41a</td>
<td>If test IAO trunk is not provided—&lt;br&gt;Remove blocking tools from RB_ or SB_ relays.</td>
<td></td>
</tr>
<tr>
<td>42a</td>
<td>At relay rack or OGT bay (as required)—&lt;br&gt;Restore to service trunks made busy for tests.</td>
<td></td>
</tr>
<tr>
<td>STEP</td>
<td>ACTION</td>
<td>VERIFICATION</td>
</tr>
<tr>
<td>------</td>
<td>--------</td>
<td>--------------</td>
</tr>
</tbody>
</table>
| 22   | Momentarily operate ST key. | *If ETS provided—*  
  - FT lamp lighted.  
  - AS, TS lamps lighted.  
  - R- lamp flashes.  
  *If test IAO trunk is provided—*  
  - CSI lamp lighted. (Refer to 1.09.)  
  - R- lamp extinguished.  
  - High tone heard.  
  *If test IAO trunk is not provided—*  
  - 30 seconds before end of initial timing period.  
  - ( ) minutes—  
  - Low tone heard for 1/2 second.  
  - CC lamp momentarily lighted.  
  - CND lamp lighted.  
  *If test IAO trunk is not provided and coin service improvement (dial-tone-first) is provided—*  
  - 30 seconds before end of initial timing period,  
  - ( ) minutes—  
  - Low tone heard for 1/2 second.  
  - PK, CC, CPT lamps momentarily lighted.  
  - CND lamp lighted.  
  - OLF lamp does not light.  
  *If test IAO trunk is provided—*  
  - In 2 to 20 seconds—  
  - Low tone heard for 1/2 second.  
  - CC lamp momentarily lighted.  
  - CND lamp lighted.  
  *If test IAO trunk and coin service improvement (dial-tone-first) are provided—*  
  - In 2 to 20 seconds—  
  - Low tone heard for 1/2 second.  
  - PK, CPT, CC lamps momentarily lighted.  
  - CND lamp lighted.  
  - OLF lamp does not light. |
| 23   | Operate ANS key; *start timing.* | CND lamp extinguished. |
| 24g  | If coin service improvement (dial-tone-first) is not provided—  
  - Momentarily restore CN key. | CND lamp extinguished. |
| 25h  | If coin service improvement (dial-tone-first) is provided—  
  - Restore CN key. |  
| 26h  | Restore DTNF key. |  
| 27h  | Operate OTCN key. |  
| 28a  | If test IAO trunk is not provided—  
  - At end of initial timing period, ( ) minutes—  
  - If coin service improvement (dial-tone-first) is provided— |  

Page 13
<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>29a</td>
<td>Verify that high tone is momentarily interrupted. If test IAO trunk is provided—After 15 seconds—Verify that high tone is momentarily interrupted.</td>
<td>PK, LPK, CPT lamps momentarily lighted. OLF lamp does not light. If coin service improvement (dial-tone-first) is provided—PK, LPK, CPT lamps momentarily lighted. OLF lamp does not light. Operator does not answer.</td>
</tr>
<tr>
<td>30</td>
<td>Listen for 30 seconds.</td>
<td></td>
</tr>
<tr>
<td>31h</td>
<td>If coin service improvement (dial-tone-first) is provided—Restore OTCN key.</td>
<td></td>
</tr>
<tr>
<td>32h</td>
<td>Operate DTNF key.</td>
<td></td>
</tr>
<tr>
<td>33h</td>
<td>Operate CN key.</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Restore TLK, ANS keys.</td>
<td>AS, TS lamps extinguished. CC lamp momentarily extinguished. CND lamp lighted. If coin service improvement (dial-tone-first) is provided—CPT lamp momentarily lighted. OLF lamp does not light. CND lamp extinguished. All lamps extinguished.</td>
</tr>
<tr>
<td>35</td>
<td>Restore CN key.</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>Momentarily operate RL key.</td>
<td></td>
</tr>
<tr>
<td>37a</td>
<td>If test IAO trunk is not provided—At coin supervisory link frame—Block operated the released RB_ or SB_ relay.</td>
<td></td>
</tr>
<tr>
<td>38a</td>
<td>Remove blocking tool from next RB_ or SB_ relay.</td>
<td></td>
</tr>
<tr>
<td>39b</td>
<td>If test IAO trunk is provided—At MTF—Set CSS_ switch to select next coin supervisory circuit in the group.</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>Repeat Steps 21 through 39b until all coin supervisory circuits in the group are tested.</td>
<td></td>
</tr>
<tr>
<td>41a</td>
<td>If test IAO trunk is not provided—Remove blocking tools from RB_ or SB_ relays.</td>
<td></td>
</tr>
<tr>
<td>42a</td>
<td>At relay rack or OGT bay (as required)—Restore to service trunks made busy for tests.</td>
<td></td>
</tr>
</tbody>
</table>

<p>| Page 14 |</p>
<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
</table>
| 43b  | If test IAO trunk is provided—  
      At MTF—  
      Remove make-busy plug from test IAO trunk MB_ jack. | If ETS provided—  
      FT lamp lighted.  
      AS, TS lamps lighted.  
      R- lamp flashes.  
      If test IAO trunk is provided—  
      CSI lamp lighted. (Refer to 1.09.)  
      R- lamp extinguished.  
      High tone heard.  
      If test IAO trunk is not provided—  
      30 seconds before end of initial timing period, ( ) minutes—  
      Low tone heard for 1/2 second.  
      CC lamp momentarily lighted.  
      CND lamp lighted.  
      If test IAO trunk is not provided and coin service improvement (dial-tone-first) is provided—  
      30 seconds before end of initial timing period, ( ) minutes—  
      Low tone heard for 1/2 second.  
      CC, PK, CFT lamps momentarily lighted.  
      CND lamp lighted.  
      OLF lamp does not light.  
      If test IAO trunk is provided—  
      In 2 to 20 seconds—  
      Low tone heard for 1/2 second.  
      CC lamp momentarily lighted.  
      CND lamp lighted.  
      If test IAO trunk and coin service improvement (dial-tone-first) are provided—  
      Low tone heard for 1/2 second.  
      CC, PK, CPT lamps momentarily lighted.  
      CND lamp lighted.  
      OLF lamp does not light.  
      CND lamp extinguished.  
      If test IAO trunk is not provided—  
      At end of initial timing period, ( ) minutes— |
| 44   | Restore all keys and switches not required in next test. |  |
| F.   | Check for Overtime Deposit—No Coin in Box |  |
| 21   | At MTF—  
      Operate TLK, CN keys. |  |
| 23   | Operate ANS key; start timing. |  |
| 24   | Restore CN key. |  |
At operator position—
OM lamp lighted.
Operator requests deposit of coin.

If test IAO trunk is not provided and coin service improvement (dial-tone-first) is provided—
At end of initial timing period, ( ) minutes—
At MTF—
PK lamp momentarily lighted.
At operator position—
OM lamp lighted.
Operator requests deposit of coin.
At MTF—
PK lamp lighted.

If test IAO trunk is not provided and overtime announcement is provided—
At end of initial timing period, ( ) minutes—
One full cycle of announcement heard.
In 25 seconds—
At operator position—
OM lamp flashes at 60 or 120 IPM depending on local options.
Operator requests deposit of coin.

If test IAO trunk is not provided and overtime announcement and coin service improvement (dial-tone-first) are provided—
At end of initial timing period, ( ) minutes—
At MTF—
PK lamp momentarily lighted.
One full cycle of announcement heard.
In 25 seconds—
PK lamp momentarily lighted.
At operator position—
OM lamp flashes at 60 or 120 IPM depending on local options.
Operator requests deposit of coin.
At MTF—
PK lamp lighted steadily.

If test IAO trunk is provided—
After 15 seconds—
At operator position—
OM lamp lighted.
Operator requests deposit of coin.

If test IAO trunk and coin service improvement (dial-tone-first) are provided—
After 15 seconds—
At MTF—
PK lamp momentarily lighted.
At operator position—
OM lamp lighted.
STEP  ACTION

25  Advise operator that this is a test call.

26  Request operator to disconnect for 10 seconds.

27  Request operator to place a spare cord in SP_ jack associated with coin supervisory circuit.

28  At MTF—
    Operate CN key.

29  Request operator to collect coin.

VERIFICATION

Operator requests deposit of coin.
At MTF—
PK lamp lighted.

If test IAO trunk and overtime announcement are provided—
After 15 seconds—
One full cycle of announcement heard.
In 25 seconds—
At operator position—
OM lamp flashes at 60 or 120 IPM depending on local options.
Operator requests deposit of coin.

If test IAO trunk, overtime announcement, and coin service improvement (dial-tone-first) are provided—
After 15 seconds—
At MTF—
PK lamp momentarily lighted.
One full cycle of announcement heard.
In 25 seconds—
PK lamp momentarily lighted.
At operator position—
OM lamp flashes at 60 or 120 IPM depending on local option.
Operator requests deposit of coin.
At MTF—
PK lamp lighted steadily.

25  At operator position—
    OM lamp flashes.
    At MTF—
    Steady tone heard.

If coin service improvement (dial-tone-first) is provided—
    PK lamp extinguished while operator is disconnected.

27  Steady tone silenced.

28  CC lamp momentarily lighted.
    CND lamp lighted.

If coin service improvement (dial-tone-first) is provided—
    CPT lamp momentarily lighted.
<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
</table>
| 30   | Restore CN key. | OLF lamp *does not* light.  
At operator position—  
Coin present indication received.  
CND lamp extinguished. |
| 31   | Request operator to ring back; then restore TLK, ANS keys. | *If coin service improvement (dial-tone-first) is provided*—  
PK lamp extinguished.  
When operator rings back—  
R- lamp flashes.  
*If coin service improvement (dial-tone-first) is provided*—  
PK lamp lighted. |
| 32   | Operate TLK key. | R- lamp extinguished.  
| 33   | Operate CN key. | At MTF—  
CR lamp momentarily lighted.  
CND lamp lighted.  
*If coin service improvement (dial-tone-first) is provided*—  
CPT lamp momentarily lighted.  
OLF lamp *does not* light.  
At operator position—  
Coin present indication received.  
CND lamp extinguished.  
| 34   | Request operator to return coin. | At MTF—  
AS, TS lamps extinguished.  
*If coin service improvement (dial-tone-first) is provided*—  
PK lamp extinguished.  
All lamps extinguished.  
| 35   | At MTF—  
Restore CN key. |  
| 36   | Request operator to disconnect at on-hook indication. |  
| 37   | Restore TLK key. |  
| 38   | Momentarily operate RL key. |  
| 39a  | If test IAO trunk is not provided—  
At coin supervisory link frame—  
Block operated the released RB_ or SB_ relay. |  
| 40a  | Remove blocking tool from next RB_ or SB_ relay. |  
| 41b  | If test IAO trunk is provided—  
At MTF— |  

Page 18
STEP ACTION

34 Repeat Steps 20 through 33b until all coin supervisory circuits in the group are tested.

35a If test IAO trunk is not provided—
Remove blocking tools from RB_ or SB_ relays.

36a At relay rack or OGT bay (as required)—
Restore to service trunks made busy for tests.

37b If test IAO trunk is provided—
At MTF—
Remove make-busy plug from test IAO trunk MB_ jack.

38 Restore all keys and switches not required in next test.

H. Load Control Feature

Note: Refer to 1.08.

18 At coin supervisory circuit key and lamp panel—
Set MB switches to ON for all coin supervisory circuits.

Caution: Restore coin supervisory circuits to service as soon as possible after alarm sounds to minimize possibility of service interference.

19 At coin supervisory release circuit—
Block SR relay operated.

20 At coin supervisory circuit key and lamp panel—
Restore all MB switches set in Step 18 to OFF.

21 At MTF—
Operate CN, TLK keys.

22 Momentarily operate ST key.

♦ If ETS provided—
FT lamp lighted.
AS, TS lamps lighted.
R- lamp flashes.

♦ If test IAO trunk is provided—
CSI lamp lighted. (Refer to 1.09.)
<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>Restore CN key.</td>
<td>R- lamp extinguished.</td>
</tr>
</tbody>
</table>
| 24   | Operate ANS key; start timing. | If test IAO trunk is provided—
In 2 to 20 seconds—
Low tone heard for short interval. |
|      |         | If test IAO trunk is not provided—
Approximately 30 seconds before end of
initial timing period, (__) minutes—
Low tone heard for short interval. |
| 25   | Listen for 1 1/2 minutes. | Operator does not answer. |
| 26   | At coin supervisory release circuit—
Remove blocking tool from SR relay. | Minor alarm silenced. |
| 27   | At MTF—
Momentarily operate CS-AR key. | White aisle pilot lamp extinguished. |
|      |         | At MTF—
CS-AB lamp extinguished. |
|      |         | CS-CT lamp lighted. |
| 28   | Restore TLK, ANS keys. | AS, TS lamps extinguished. |
| 29   | Momentarily operate RL key. | All lamps extinguished. |
| 30d  | If other coin supervisory circuits are to be tested—
When CS-CT lamp is extinguished—
Repeat Steps 18 through 29. | |
| 31a  | If test IAO trunk is not provided—
At relay rack or OGT bay (as required)—
Restore to service trunks made busy for tests. | |
| 32b  | If test IAO trunk is provided—
At MTF—
Remove make-busy plug from test IAO trunk MB_ jack. | |
| 33   | Restore all keys and switches not required in next test. | |

I. Coin Supervisory Alarm and Hold Features

Link Alarms

20 At coin supervisory circuit—
Insulate 2B of LA relay. |
21 At MTF—
Operate TLK, CN keys. |
<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>Momentarily operate ST key.</td>
<td>♦If ETS provided—&lt;br&gt;FT lamp lighted.♦&lt;br&gt;AS, TS lamps lighted. R— lamp flashes. If test IAO trunk is provided—&lt;br&gt;CSI lamp lighted. (Refer to 1.09.)</td>
</tr>
<tr>
<td>23</td>
<td>Restore TLK key.</td>
<td>TS, R— lamps extinguished. In 1/2 second—&lt;br&gt;Major alarm sounds. Red aisle pilot lamp lighted. At coin supervisory key and lamp panel—&lt;br&gt;AL lamp lighted. If alarm control for coin supervisory circuits is also provided at MTF jack, lamp, and key circuit—&lt;br&gt;At MTF—&lt;br-CS-AL lamp lighted.</td>
</tr>
<tr>
<td>24</td>
<td>At coin supervisory circuit—&lt;br&gt;Remove insulator from LA relay.</td>
<td>If test IAO trunk is not provided—&lt;br&gt;ON relay nonoperated. At MTF—&lt;br&gt;AS lamp extinguished.</td>
</tr>
<tr>
<td>25b</td>
<td>If test IAO trunk is provided—&lt;br&gt;At coin supervisory circuit—&lt;br&gt;Momentarily release TST relay.</td>
<td>If alarm control for coin supervisory circuits is also provided at MTF jack, lamp, and key circuit—&lt;br&gt;At MTF—&lt;br-CS-AL lamp lighted.</td>
</tr>
<tr>
<td>26</td>
<td>Momentarily operate AR key at coin supervisory circuit key and lamp panel or CS-AR key at MTF jack, lamp, and key circuit (when provided).</td>
<td>Major alarm silenced. Red aisle pilot lamp extinguished. At coin supervisory key and lamp panel—&lt;br&gt;AL lamp extinguished. If alarm control for coin supervisory circuits is also provided at MTF jack, lamp, and key circuit—&lt;br&gt;At MTF—&lt;br-CS-AL lamp extinguished.</td>
</tr>
<tr>
<td>27</td>
<td>Momentarily operate RL key.</td>
<td>All lamps extinguished.</td>
</tr>
<tr>
<td>28</td>
<td>At coin supervisory circuit—&lt;br&gt;Insulate 3T of H relay.</td>
<td>Same as Step 22.</td>
</tr>
<tr>
<td>29</td>
<td>At MTF—&lt;br&gt;Operate TLK key.</td>
<td>Same as Step 23.</td>
</tr>
<tr>
<td>30</td>
<td>Momentarily operate ST key.</td>
<td>Same as Step 24.</td>
</tr>
<tr>
<td>31</td>
<td>Restore TLK key.</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>At coin supervisory circuit—&lt;br&gt;Remove insulator from H relay.</td>
<td></td>
</tr>
</tbody>
</table>
### SECTION 218-201-501

<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
<td>Repeat Steps 25b, 26, and 27.</td>
<td>•</td>
</tr>
<tr>
<td>34</td>
<td>At coin supervisory circuit— Block nonoperated DCK relay.</td>
<td>•</td>
</tr>
<tr>
<td>35</td>
<td>At MTF— Operate TLK key.</td>
<td>•</td>
</tr>
<tr>
<td>36</td>
<td>Momentarily operate ST key.</td>
<td>Same as Step 22.</td>
</tr>
<tr>
<td>37</td>
<td>Restore TLK key.</td>
<td>Same as Step 23.</td>
</tr>
<tr>
<td>38</td>
<td>At coin supervisory circuit— Remove blocking tool from DCK relay.</td>
<td>Same as Step 24.</td>
</tr>
<tr>
<td>39</td>
<td>Repeat Steps 25b, 26, and 27.</td>
<td>•</td>
</tr>
<tr>
<td>40</td>
<td>At coin supervisory circuit— Block nonoperated CR relay.</td>
<td>•</td>
</tr>
<tr>
<td>41</td>
<td>At MTF— Operate TLK key.</td>
<td>•</td>
</tr>
<tr>
<td>42</td>
<td>Momentarily operate ST key.</td>
<td>Same as Step 22.</td>
</tr>
<tr>
<td>43</td>
<td>Restore TLK key.</td>
<td>Same as Step 23.</td>
</tr>
<tr>
<td>44</td>
<td>At coin supervisory circuit— Remove blocking tool from CR relay.</td>
<td>Same as Step 24.</td>
</tr>
<tr>
<td>45</td>
<td>Repeat Steps 25b, 26, and 27.</td>
<td>•</td>
</tr>
<tr>
<td>46</td>
<td>Restore CN key.</td>
<td>•</td>
</tr>
</tbody>
</table>

**Time Alarm**

47e If stuck coin recycle is not provided and coin supervisory concentrating circuits are provided— At coin supervisory circuit— Insulate 5B of OW relay.

48f If stuck coin recycle and coin supervisory concentrating circuits are provided— At coin supervisory circuit— Insulate 4M of OW1 relay.

49g If coin supervisory concentrating circuits are not provided— At coin supervisory circuit— Insulate 8B of TM1 relay.
STEP ACTION

50 At MTF—
Operate STK CN, TLK keys.

51 Momentarily operate ST key.

52 Restore TLK key; start timing.

53 Remove insulator from OW, OWI, or TMI relays.

54 Momentarily operate AR key at coin supervisory circuit key and lamp panel or CS-AR key at MTF jack, lamp, and key circuit (when provided.)

55 Restore STK CN key.

56 Momentarily operate RL key.

VERIFICATION

If ETS provided—
FT lamp lighted.
AS, TS lamps lighted.
R- lamp flashes.

If test IAO trunk is provided—
CSI lamp lighted. (Refer to 1.09).

TS, R- lamps extinguished.
Operator does not answer.

If circuit is arranged for TA tube timing—
In 20 to 35 seconds—
AS lamp extinguished.
Major alarm sounds.
Red aisle pilot lamp lighted.
At coin supervisory key and lamp panel—
AL lamp lighted.
At MTF—
CS-AL lamp lighted, when provided.
At coin supervisory circuit—
ON relay nonoperated.

If circuit is arranged for A relay timing—
In 2 to 4.1 minutes—
AS lamp extinguished.
Major alarm sounds.
Red aisle pilot lamp lighted.
At coin supervisory key and lamp panel—
AL lamp lighted.
At MTF—
CS-AL lamp lighted, when provided.
At coin supervisory circuit—
ON relay nonoperated.

Major alarm silenced.
Red aisle pilot lamp extinguished.
At coin supervisory key and lamp panel—
AL lamp extinguished.
At MTF—
CS-AL lamp extinguished, when provided.
### SECTION 218-201-501

<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Release Link Alarm</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 57   | Operate CN, TLK keys. | **If ETS provided**—  
FT lamp lighted.  
AS, TS lamps lighted.  
R- lamp flashes.  
**If test IAO trunk is provided**—  
CSI lamp lighted. (Refer to 1.09.) |
| 58   | Momentarily operate ST key. | | |
| 59   | At coin supervisory circuit—  
Block nonoperated CO relay. | AS, TS, R- lamps extinguished.  
Major alarm sounds.  
Red aisle pilot lamp lighted.  
At coin supervisory key and lamp panel—  
AL lamp lighted.  
At MTF—  
CS-AL lamp lighted, when provided. |
| 60   | At MTF—  
Restore TLK key. | **If test IAO trunk is not provided**—  
ON relay nonoperated. | |
| 61   | At coin supervisory circuit—  
Remove blocking tool from CO relay. | Major alarm silenced.  
Red aisle pilot lamp extinguished.  
At coin supervisory key and lamp panel—  
AL lamp extinguished.  
At MTF—  
CS-AL lamp extinguished, when provided. | |
| 62b  | If test IAO trunk is provided—  
At coin supervisory circuit—  
Momentarily release TST relay. | | |
| 63   | Momentarily operate AR key at coin supervisory circuit key and lamp panel or CS-AR key at MTF jack, lamp, and key circuit (when provided). | All lamps extinguished. | |
| 64   | Momentarily operate RL key. | | |
| **Hold Key** | | |
| 65   | At coin supervisory circuit—  
Insulate 8T of CK1 relay. | | |
| 66b  | If test IAO trunk is provided—  
At coin supervisory circuit—  
Connect LO lead terminal 11 or 25 (depending upon options provided) of terminal strip B to 4F of TST relay. | | |
| 67   | At coin supervisory key and lamp panel—  
Operate HLD key for circuit under test. | | |
STEP ACTION

68  At MTF—
Operate TLK key.

69  Momentarily operate ST key.

70  Restore TLK key; start timing.

VERIFICATION

If ETS provided—
  FT lamp lighted.
  AS, TS lamps lighted.
  R- lamp flashes.
If test IAO trunk is provided—
  CSI lamp lighted. (Refer to 1.09.)

TS, R- lamps extinguished.
If circuit is arranged for TA tube timing—
  In 20 to 35 seconds—
  Major alarm sounds.
  Red aisle pilot lamp lighted.
  At coin supervisory key and lamp circuit—
  AL lamp lighted.
  At MTF—
  CS-AL lamp lighted, when provided.
  At coin supervisory circuit—
  ON relay operated.
If hold coin station feature is not provided—
  At MTF—
  AS lamp extinguished.
If hold coin station feature is provided—
  AS lamp remains lighted.
If circuit is arranged for A relay timing—
  In 2 to 4.1 minutes—
  Major alarm sounds.
  Red aisle pilot lamp lighted.
  At coin supervisory key and lamp circuit—
  AL lamp lighted.
  At MTF—
  CS-AL lamp lighted, when provided.
  At coin supervisory circuit—
  ON relay operated.
If hold coin station feature is not provided—
  At MTF—
  AS lamp extinguished.
If hold coin station feature is provided—
  AS lamp remains lighted.

71h  If HLD relay is provided in coin supervisory circuit and office is equipped with alarm sending—
  Operate alarm transfer key to transferred position (SB, DB, or TR as required).
<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>72</td>
<td>Restore alarm transfer key.</td>
<td>Major alarm silenced.</td>
</tr>
<tr>
<td>73</td>
<td>At coin supervisory key and lamp panel— Restore HLD key.</td>
<td>Red aisle pilot lamp extinguished.</td>
</tr>
<tr>
<td>74</td>
<td>Momentarily operate AR key at coin supervisory circuit key and lamp panel or CS-AR key at MTF jack, lamp, and key circuit (when provided).</td>
<td>At coin supervisory key and lamp panel—AL lamp extinguished.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>At MTF—CS-AL lamp extinguished, when provided.</td>
</tr>
<tr>
<td>75</td>
<td>At coin supervisory circuit— Remove insulator from CK1 relay.</td>
<td>All lamps extinguished.</td>
</tr>
<tr>
<td>76b</td>
<td>If test IA O trunk is provided— At coin supervisory circuit— Remove connection from LO terminal and TST relay.</td>
<td>All lamps extinguished.</td>
</tr>
<tr>
<td>77</td>
<td>At MTF— Restore CN key.</td>
<td>All lamps extinguished.</td>
</tr>
<tr>
<td>78</td>
<td>Momentarily operate RL key.</td>
<td>All lamps extinguished.</td>
</tr>
<tr>
<td>79a</td>
<td>If test IA O trunk is not provided— At coin supervisory link frame— Block operated the released RB_ or SB_ relay.</td>
<td>All lamps extinguished.</td>
</tr>
<tr>
<td>80a</td>
<td>Remove blocking tool from next RB_ or SB_ relay.</td>
<td>All lamps extinguished.</td>
</tr>
<tr>
<td>81b</td>
<td>If test IA O trunk is provided— At MTF— Set CSS_ switch to select next coin supervisory circuit in the group.</td>
<td>All lamps extinguished.</td>
</tr>
<tr>
<td>82</td>
<td>Repeat Steps 20 through 81b until all coin supervisory circuits in the group are tested.</td>
<td>All lamps extinguished.</td>
</tr>
<tr>
<td>83a</td>
<td>If test IA O is not provided— Remove blocking tools from RB_ or SB_ relays.</td>
<td>All lamps extinguished.</td>
</tr>
<tr>
<td>84a</td>
<td>At relay rack or OGT bay (as required)— Restore to service trunks made busy for tests.</td>
<td>All lamps extinguished.</td>
</tr>
</tbody>
</table>
STEP  ACTION  
85b  If test IAO trunk is provided—  
     At MTF—  
     Remove make-busy plug from test IAO trunk  
     MB_ jack.  
86  Restore all keys and switches not required in  
     next test.  

J. Availability of Coin Supervisory Concentrating  
   Circuits  
   ♦Note:  Blocked CT relay in this test should  
   be restored to service as soon as possible to  
   minimize possibility of service interference.♦  
21  At miscellaneous relay rack—  
     Operate C selectors for all coin supervisory  
     concentrating circuits to terminal 22 except  
     first coin supervisory concentrating circuit to  
     be tested.  
22  Block operated CT relays for coin supervisory  
     concentrating circuits not being tested.  
     At MTF—  
     Operate STK CN, TLK keys.  
23  Momentarily operate ST key.  
24  Restore TLK key.  

♦If ETS provided—  
     FT lamp lighted.♦  
     AS, TS lamps lighted.  
     R- lamp flashes.  
If test IAO trunk is provided—  
     CSI lamp lighted.  (Refer to 1.09.)  
   CND lamp lighted.  
   TS, R- lamps extinguished.  
   If stuck coin recycle is not provided—  
      CR lamp momentarily lighted.  
   If stuck coin recycle is not provided  
   and coin service improvement  
   (dial-tone-first) is provided—  
      CR lamp momentarily lighted.  
      CPT lamp momentarily lighted twice.  
      OLF lamp does not light.  
   If stuck coin recycle is provided—  
      CR lamp momentarily lighted twice.  
   If stuck coin recycle and coin service  
   improvement (dial-tone-first) are  
   provided—  
      CR lamp momentarily lighted twice.  
      CPT lamp momentarily lighted four times.  
      OLF lamp does not light.
<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>Restore STK CN key.</td>
<td>CND lamp extinguished.</td>
</tr>
<tr>
<td>26</td>
<td>Operate TLK key.</td>
<td>At operator position— SC lamp lighted.</td>
</tr>
<tr>
<td>27</td>
<td>When operator answers— Advise operator that this is a test call.</td>
<td>At operator position— Off-hook condition indicated. <em>If coin service improvement (dial-tone-first) is provided</em>— At MTF— PK lamp lighted.</td>
</tr>
<tr>
<td>28</td>
<td>Momentarily restore TLK key several times.</td>
<td>At operator position— On-hook condition indicated while TLK key is restored. <em>If coin service improvement (dial-tone-first) is provided</em>— PK lamp extinguished while TLK key is restored.</td>
</tr>
<tr>
<td>29g</td>
<td>If coin supervisory circuits are not arranged for coin disposal following stuck coin release— Request operator to disconnect.</td>
<td>AS lamp extinguished. <em>If coin service improvement (dial-tone-first) is provided</em>— PK lamp extinguished.</td>
</tr>
<tr>
<td>30g</td>
<td>Restore TLK key.</td>
<td></td>
</tr>
<tr>
<td>31h</td>
<td>If coin supervisory circuits are arranged for coin disposal following stuck coin release— Operate CN key.</td>
<td>CR lamp momentarily lighted. CND lamp lighted. AS lamp extinguished. <em>If coin service improvement (dial-tone-first) is provided</em>— CPT lamp momentarily lighted. PK lamp extinguished. OLF lamp <em>does not</em> light.</td>
</tr>
<tr>
<td>32h</td>
<td>Request operator to disconnect.</td>
<td>CND lamp extinguished.</td>
</tr>
<tr>
<td>33h</td>
<td>Restore TLK, CN keys.</td>
<td>All lamps extinguished.</td>
</tr>
<tr>
<td>34</td>
<td>Momentarily operate RL key.</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>At miscellaneous relay rack— Restore to normal C selector for next concentrating circuit.</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>Remove blocking tool from CT relay for next concentrating circuit.</td>
<td></td>
</tr>
</tbody>
</table>
STEP ACTION
37 Rotate C selector for concentrating circuit tested, to terminal 22.
38 Block operated CT relay for concentrating circuit tested.
39 Repeat Steps 23 through 38 for each concentrator in group.
40a If test IAO trunk is not provided—
At coin supervisory link frame—
Block operated the released RB_ or SB_ relay.
41a Remove blocking tool from next RB_ or SB_ relay.
42b If test IAO trunk is provided—
At MTF—
Set CSS_ switch to select next coin supervisory circuit in the group.
43 Repeat Steps 21 through 42b until all coin supervisory circuits in the group are tested.
44a If test IAO trunk is not provided—
Remove blocking tool from RB_ or SB_ relays.
45a At relay rack or OGT bay (as required)—
Restore to service trunks made busy for tests.
46b If test IAO trunk is provided—
At MTF—
Remove make-busy plug from test IAO trunk MB_ jack.
47 Restore all keys and switches not required in next test.

K. Coin Supervisory Concentrating Circuit Alarm

Note: Perform this test once for each group of concentrating circuits.
20 At coin supervisory circuit to be used for test—
Insulate 3T of TA relay.

For Offices Equipped With Two Concentrating Circuits

Note: Blocked H and CT relays in this test should be restored to service as soon as
SECTION 218-201-501

<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>At first preferred concentrating circuit— Block nonoperated H relay.</td>
<td>possible to minimize possibility of service interference.♦</td>
</tr>
<tr>
<td>22</td>
<td>At MTF— Operate STK CN, TLK keys.</td>
<td>•If ETS provided— FT lamp lighted.♦ AS, TS lamps lighted. R- lamp flashes.</td>
</tr>
<tr>
<td>23</td>
<td>Momentarily operate ST key.</td>
<td>If test IAO trunk is provided— CSI lamp lighted. (Refer to 1.09.)</td>
</tr>
<tr>
<td>24</td>
<td>Restore TLK key; start timing.</td>
<td>CR lamp momentarily lighted once or twice, depending upon options provided. CND lamp lighted. TS, R- lamps extinguished. In 13 to 32 seconds— Minor alarm sounds. White aisle pilot lamp lighted. At coin supervisory key and lamp panel— Associated AL lamp lighted.</td>
</tr>
<tr>
<td>25</td>
<td>Operate TLK key.</td>
<td>At operator position— SC lamp lighted.</td>
</tr>
<tr>
<td>26</td>
<td>At MTF— When operator answers— Advise operator that this is a test call.</td>
<td>AS lamp extinguished.</td>
</tr>
<tr>
<td>27</td>
<td>Request operator to disconnect.</td>
<td>White aisle pilot lamp extinguished. Minor alarm silenced. At coin supervisory key and lamp panel— Associated AL lamp extinguished.</td>
</tr>
<tr>
<td>28</td>
<td>At coin supervisory key and lamp panel— Momentarily operate AR key.</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>At first preferred concentrating circuit— Remove blocking tool from H relay.</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>At MTF— Restore STK CN, TLK keys.</td>
<td>CND lamp extinguished.</td>
</tr>
<tr>
<td>31</td>
<td>Momentarily operate RL key.</td>
<td>All lamps extinguished.</td>
</tr>
<tr>
<td>32</td>
<td>At first preferred concentrating circuit— Rotate C selector to terminal 22.</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>Block operated CT relay.</td>
<td></td>
</tr>
<tr>
<td>STEP</td>
<td>ACTION</td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>--------</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>At second preferred concentrating circuit—Block nonoperated H relay.</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>At MTF—Operate STK CN, TLK keys.</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>Momentarily operate ST key.</td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>Restore TLK key; <em>start timing</em>.</td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>At coin supervisory key and lamp panel—Momentarily operate AR key.</td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>At first and second preferred concentrating circuits—Remove blocking tools from CT, H relays.</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>At MTF—Operate TLK key.</td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>When operator answers—Request operator to disconnect.</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>Restore STK CN, TLK keys.</td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>Momentarily operate RL key.</td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>Proceed to Steps 74 through 78.</td>
<td></td>
</tr>
</tbody>
</table>

For Offices Equipped With Three or More Concentrating Circuits

<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>At coin supervisory concentrators—Rotate C selectors of all concentrating circuits in group, except first and second preferred circuits, to terminal 22.</td>
</tr>
<tr>
<td>46</td>
<td>Block operated associated CT relays.</td>
</tr>
<tr>
<td>47</td>
<td>Repeat Steps 21 through 31.</td>
</tr>
<tr>
<td>48</td>
<td>At first concentrating circuit—Rotate C selector to terminal 22.</td>
</tr>
<tr>
<td>49</td>
<td>Block operated CT relay.</td>
</tr>
<tr>
<td>50</td>
<td>At second concentrating circuit—Block nonoperated H relay.</td>
</tr>
</tbody>
</table>

**VERIFICATION**

- Same as Step 24.
- White aisle pilot lamp extinguished.
- Minor alarm silenced.
- At coin supervisory key and lamp panel—Associated AL lamp extinguished.
<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>51</td>
<td>Remove blocking tool from CT relay for third concentrating circuit.</td>
<td>Same as Step 23.</td>
</tr>
<tr>
<td>52</td>
<td>At MTF— Operate STK CN, TLK keys.</td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>Momentarily operate ST key.</td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>Restore TLK key; <strong>start timing.</strong></td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>Operate TLK key.</td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>When operator answers— Advise operator that this is a test call.</td>
<td></td>
</tr>
<tr>
<td>57</td>
<td>Request operator to disconnect.</td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>At coin supervisory key and lamp panel— Momentarily operate AR key.</td>
<td></td>
</tr>
<tr>
<td>59</td>
<td>At MTF— Restore STK CN, TLK keys.</td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>Momentarily operate RL key.</td>
<td></td>
</tr>
<tr>
<td>61</td>
<td>Repeat Steps 48 through 60 for all other concentrating circuits except the last.</td>
<td></td>
</tr>
</tbody>
</table>

---

**Note:** In these steps, “first,” “second,” and “third” refer to the circuit just tested, the circuit to be tested, and the succeeding circuit, respectively.

**For Last Circuit in the Group**

<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>62</td>
<td>Rotate C selector to terminal 22 for next to last concentrator.</td>
<td></td>
</tr>
<tr>
<td>63</td>
<td>Block operated associated CT relay.</td>
<td></td>
</tr>
<tr>
<td>64</td>
<td>Block nonoperated H relay for last concentrator in group.</td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>At MTF— Operate STK CN, TLK keys.</td>
<td></td>
</tr>
<tr>
<td>66</td>
<td>Momentarily operate ST key.</td>
<td><strong>If ETS provided—</strong> FT lamp lighted.** If ETS provided—** AS, TS lamps lighted. R- lamp flashes.</td>
</tr>
</tbody>
</table>
**STEP**

67  **ACTION**

   - **start timing.**

68  **ACTION**

   - At coin supervisory key and lamp panel—
   - Momentarily operate AR key.

69  **ACTION**

   - Remove blocking tools from all CT, H relays.

70  **ACTION**

   - At MTF—
   - Operate TLK key.

71  **ACTION**

   - When operator answers—
   - Request operator to disconnect.

72  **ACTION**

   - Restore STK CN, TLK keys.

73  **ACTION**

   - Momentarily operate RL key.

74  **ACTION**

   - At coin supervisory circuit—
   - Remove insulator from TA relay.

75a  **ACTION**

   - If test IAO trunk is not provided—
   - At coin supervisory link frame—
   - Remove blocking tools from RB_ or SB_ relays.

76a  **ACTION**

   - At relay rack or OGT bay (as required)—
   - Restore trunks to service made busy for test.

77b  **ACTION**

   - If test IAO trunk is provided—
   - At MTF—
   - Remove make-busy plug from test IAO trunk MB_ jack.

78  **ACTION**

   - At MTF—
   - Restore all keys and switches not required in next test.

**VERIFICATION**

*If test IAO trunk is provided*—

CSI lamp lighted. (Refer to 1.09.)

CR lamp momentarily lighted once or twice, depending on options provided.

CND lamp lighted.

TS, R- lamps extinguished.

In 13 to 32 seconds—

Minor alarm sounds.

White aisle pilot lamp lighted.

At coin supervisory key and lamp panel—

Associated AL lamp lighted.

White aisle pilot lamp extinguished.

Minor alarm silenced.

At coin supervisory key and lamp panel—

Associated AL lamp extinguished.
SECTION 218-201-501

STEP ACTION VERIFICATION

L. A Relay Failure Alarm

1 At coin supervisory concentrating circuit—Block nonoperated A relay. In 13 to 32 seconds—
Minor alarm sounds.
Associated AL lamp lighted.

2 Connect ground to 2B of A relay; start timing.

3 Remove ground from A relay.

4 Remove blocking tool from A relay.

5 Momentarily operate AR key.

M. Overtime Announcement Failure

Note: Refer to 1.08.

20 At MTF—Operate TLK, CN keys.

21 Momentarily operate ST key.

22 Operate ANS key; start timing.

Note: Proceed immediately to Step 23 and Step 24f, 25g, 26h, or 27i to prevent timing out before test is completed.

23 Restore CN key.

24f If test IAO trunk is not provided and 6A announcement system is provided—At coin supervisory circuit—
Insulate 3M of ANR relay.

If ETS provided—
FT lamp lighted.
AS, TS lamps lighted.
R- lamp flashes.
If test IAO trunk is provided—
CSI lamp lighted. (Refer to 1.09.)

If test IAO trunk is provided—
30 seconds before end of initial timing period, ( ) minutes—
Low tone heard for 1/2 second.
CC lamp momentarily lighted.
CND lamp lighted.

If test IAO trunk is provided—
After 2 to 20 seconds—
Low tone heard for 1/2 second.
CC lamp momentarily lighted.
CND lamp lighted.

CND lamp extinguished.

At end of initial timing period, ( ) minutes—
No announcement heard.
After 30 seconds—
At operator position—
OM lamp lighted.
Operator requests deposit of coin.
STEP | ACTION | VERIFICATION
--- | --- | ---
25g | If test IAO trunk is not provided and 7A announcement system is provided— At voice alarm and control circuit— Operate OS-AR key. | OS-ALM lamp lighted. At end of initial timing period, () minutes— No announcement heard. At operator position— OM lamp lighted. Operator requests deposit of coin.
26h | If test IAO trunk and 6A announcement system are provided— At coin supervisory circuit— Insulate 3M of ANR relay. | After 15 seconds— No announcement heard. After 30 seconds— At operator position— OM lamp lighted. Operator requests deposit of coin.
27i | If test IAO trunk and 7A announcement system are provided— At voice alarm and control circuit— Operate OS-AR key. | OS-ALM lamp lighted. After 15 seconds— No announcement heard. After 30 seconds— At operator position— OM lamp lighted. Operator requests deposit of coin.
28 | Advise operator that this is a test call. | 
29 | Request operator to disconnect. | 
30 | At MTF— Restore TLK, ANS keys. | AS, TS lamps extinguished.
31 | Momentarily operate RL key. | All lamps extinguished.
32j | If 6A announcement system is provided— At coin supervisory circuit— Remove insulator from ANR relay. | 
33k | If 7A announcement system is provided— At voice alarm and control circuit— Restore OS-AR key. | OS-ALM lamp extinguished.
34a | If test IAO trunk is not provided— At coin supervisory link frame— Block operated the released RB_ or SB_ relay. | 
35a | Remove blocking tool from next RB_ or SB_ relay. | 
36b | If test IAO trunk is provided— At MTF— Set CSS_ switch to select next coin supervisory circuit in the group. | 
37 | Repeat Steps 20 through 36b until all coin supervisory circuits in the group are tested. |
<table>
<thead>
<tr>
<th>STEP</th>
<th>ACTION</th>
<th>VERIFICATION</th>
</tr>
</thead>
</table>
| 38a  | If test IAO trunk is not provided—  
Remove blocking tools from RB_ or SB_ relays. |  |
| 39a  | At relay rack or OGT bay (as required)—  
Restore trunks to service made busy for tests. |  |
| 40b  | If test IAO trunk is provided—  
At MTF—  
Remove make-busy plug from test IAO trunk MB- jack. |  |
| 41   | Restore all keys and switches not required in next test. |  |