

**TRUNK FINDERS AND OUTGOING TRUNK CIRCUITS
FOR INTERCEPTING AND VERIFICATION REQUEST SERVICE
TEST
BATTERY CUTOFF RELAY PANEL OFFICES**

1. GENERAL	PAGE
<p>1.01 This section describes a method for testing trunk finders and outgoing trunks used for intercepting and verification request service.</p> <p>1.02 This section is reissued to add a test of outgoing trunks to the automatic intercept center. This reissue affects the Equipment Test List.</p> <p>1.03 The tests covered are:</p> <p style="margin-left: 20px;">A. <i>Regular Intercepting to Operator:</i> This test checks that the call is routed to a regular intercepting operator when machine ringing is received on the tip or ring conductor where trunks are not arranged for machine announcements, or when machine ringing is received on the ring conductor where trunks are arranged for machine announcement.</p> <p style="margin-left: 20px;">B. <i>Regular Intercepting to Announcement Machine:</i> This test checks that the call is routed to the announcement machine when machine ringing is received on the tip conductor.</p> <p style="margin-left: 20px;">C. <i>Trouble Intercepting:</i> This test checks that the call is routed to the operator when the call is for a plugged-up line and machine ringing is received on the tip or ring conductor.</p> <p style="margin-left: 20px;">D. <i>Brush Continuity Test:</i> This test checks the continuity of the brushes which are not tested in Test A, B, or C.</p> <p style="margin-left: 20px;">E. <i>Rapid Hunting Test:</i> This test makes a quick check of the starting</p>	<p>and hunting features of the trunk finders.</p> <p style="text-align: right;">5</p> <p>F. <i>Outgoing Trunks to Automatic Intercept Center:</i> This test checks that regular, blank, and trouble intercept calls are routed to the automatic intercept center.</p> <p style="text-align: right;">5</p> <p>1.04 For trunks arranged to route calls to a regular intercepting operator, Test A applies. For trunks arranged to route calls either to a regular intercepting operator or to a trouble intercepting operator, Tests A and C apply. For trunks arranged to route calls either to a regular intercepting operator, a trouble intercepting operator, or to an announcement machine, Tests A, B, and C apply. For trunks arranged to route calls to automatic intercept center, Test F applies.</p> <p>1.05 Office records should be consulted to determine the test numbers used in Tests A, B, C, and D.</p> <p>1.06 Local instructions should be followed with reference to recording and reporting any register operations caused by performing these tests.</p>
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2. APPARATUS	
<p style="margin-left: 20px;">Tests A, B, C, and D</p> <p style="margin-left: 20px;">2.01 Incoming and final selector test set per J24710A (SD-20050-01).</p> <p style="margin-left: 20px;">2.02 3PGE cord assembly, 6 feet long, equipped with two 310 plugs, as required.</p> <p style="margin-left: 20px;">2.03 52S head telephone set.</p>	<p style="text-align: right;">4</p> <p style="text-align: right;">4</p> <p style="text-align: right;">4</p>

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2.04 322A make-busy plugs, as required.

Test F

Test C

2.05 4W6A cord, 12 feet long, equipped with one 464C plug, one 252A plug, and one 252B plug or 4W7A cord, 12 feet long, equipped with one 464C plug, and one 301A plug.

2.06 Outgoing trunk test board, equipped with head telephone set.

2.07 322C test plug.

3. PREPARATION

Tests A, B, C, and D

STEP	ACTION	VERIFICATION
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1	At the originating office— Make busy any idle trunk associated with the incoming selector.	
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2	At the incoming trunk frame— Patch jack T of the incoming trunk made busy to test jack E.	
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3	At the trunk finder frame— Patch BAT-G1 jack of test set to test jack A.	
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4	Patch TST jack of test set to test jack E.	
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5	At test set— Operate INC and MS keys.	
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6	Operate ICR keys as follows:	
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COMPENSATING RESISTANCE IN INCOMING	OPERATE KEYS
0	None
300	ICR-300
400	ICR-100, ICR-300
600	ICR-600
800	ICR-800
900	ICR-100, ICR-800
1200	ICR-100, ICR-300, ICR-800

7	Connect the head telephone set to the TEL jacks of the test set.	
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4. METHOD

A. Regular Intercepting to Operator

8	Patch jack TL1 to jack T1.	
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STEP	ACTION	VERIFICATION
	<i>Note:</i> For trunks not arranged for machine announcements, test the ring-up relay in the tip side of the circuit on alternate test cycles by connecting jack TL1 to jack T2.	
9	Operate TH ₋ , H ₋ , T ₋ , and U ₋ keys corresponding to number of test line circuit.	
10	Momentarily operate ST key.	Audible ringing tone heard. Operator answers and audible ringing tone silenced. If separate answering jacks or circuits for "regular" and "trouble" intercepting— Verify with operator call received on "regular" jack or circuit.
11	Momentarily operate DISC key.	Trunk finder restores to normal.
12	Repeat Steps 10 and 11 until all trunk finders have been tested.	Trunk finders allotted in proper sequence.
13	Disconnect all test cords and restore incoming trunk to normal.	
B. Regular Intercepting to Announcement Machine		
8	Patch jack TL1 to jack T2.	
9	Operate TH ₋ , H ₋ , T ₋ , and U ₋ keys corresponding to number of test line circuit.	
10	Momentarily operate ST key.	Audible ringing tone heard. Cuts through to announcement machine and audible ringing tone silenced. Announcement starts at the beginning. Volume and quality are satisfactory.
11	After first complete announcement— Momentarily operate DISC key.	Trunk finder restores to normal.
12	Repeat Steps 10 and 11 until all trunk finders have been tested.	Trunk finders are allotted in proper sequence.
13	Momentarily operate ST key.	Audible ringing tone heard. Cuts through to announcement machine and audible ringing tone silenced. After predetermined number of announcements— Operator answers. If separate jacks are provided for regular and trouble intercepting— Verify with operator that call was received on regular jack.

STEP	ACTION	VERIFICATION
8	After 5 seconds— Momentarily operate ringing key.	Proper announcement heard for blank number intercept (vacant or unassigned number).
9	Restore VM and T keys.	
10	Remove plug of test cord from VAC and insert into TBL test connector jack.	
11	Operate VM and T keys.	
12	After 5 seconds— Momentarily operate ringing key.	Proper announcement heard for trouble intercept (plugged-up number).
13	Restore VM and T keys.	
14	Remove plug of test cord from TBL test connector jack.	
15	Remove 322C test plug from MB jack.	
16	Repeat Steps 1 through 15 for all AIC trunks to be tested.	