

CALL IDENTITY INDEXER CIRCUIT SD-25621-01

TESTS

NO. 1 CROSSBAR OFFICES

1. GENERAL

1.01 This section describes a method of testing the call identity indexer circuit SD-25621-01.

1.02 This section is reissued to bring it in conformity with other material in the Plant Series. In this process marginal arrows have been omitted.

1.03 The tests covered are:

A. False Operation of TL-Relays: This test checks the ability of the call identity indexer to cause the recorder to call in the trouble indicator when more than one TL-relay operates.

B. False Ground or Cross on TC- Leads: This test checks the ability of the call identity indexer to cause the recorder to call in the trouble indicator when TC- leads are crossed or grounded.

C. False Ground or Cross on DJ- Leads: This test checks the ability of the call identity indexer to cause the transverter to call in the trouble indicator when DJ- leads are crossed or grounded.

1.04 Tests covered in this section should not be made during the time any recorders are perforating the 3 A.M. End-of-Tape entries and the associated splice pattern.

1.05 When performing tests which will cause trouble entries on the AMA tape, consult Section 216-800-302 for information concerning precautions to be taken to limit stoppages at the accounting center.

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

1.07 Actions and verifications at the call identity indexer will be required if the call identity indexer cannot be removed from service.

1.08 *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 a series of lettered steps should be made is given in the ACTION column, and all steps governed by the same condition are designated by the same letter within a test. Where a condition does not apply, all steps designated by that letter should be omitted.

2. APPARATUS

Tests A and B

2.01 Testing cord, 893 cord, 6 feet long, equipped with two 360A tools (1W13B cord), a 419A tool, and a KS-6278 connecting clip (for use in connecting ground to relay springs). Two cords are required for Test A.

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

Test C

2.03 Testing cord, one 893 cord, 3 feet long, equipped with two 360A tools (1W13A cord), and two 419A tools (for use in establishing test connections to terminal strip punchings).

ALL TESTS

2.04 322A (make-busy) plugs, as required.

2.05 349A (make-busy) plugs, as required.

2.06 District junctor test circuit, SD-25158-01.

SECTION 216-809-501

3. PREPARATION

STEP	ACTION	VERIFICATION
Tests A and B		
1a	If testing in office with two or more recorders per recorder group — Make busy in approved manner all trunks or district junctors served by call identity indexer to be used in test.	
2b	If testing in office equipped with transverter trouble indicator frame — At transverter trouble indicator — Operate LP key.	
Test C		
3	At trunk test circuit or district junctor test circuit — Restore all keys.	
4	Operate RN or RL key momentarily.	All lamps extinguished.
5	Operate LC and REP keys.	
6	Make busy district junctors associated with DJ- leads to be connected together in Table A.	
7	Operate G-PCS, S-PCS, and H-PCS keys to select one of the district junctors made busy in Step 6.	GROUP-, SEL-, and HOLD- lamps light.

4. METHOD

STEP	ACTION	VERIFICATION
A. False Operation of TL- Relays		
<i>Caution: In an office with only one recorder per recorder group, the call identity indexer cannot be removed from service. The trunks are not made busy and the test may therefore interfere with service. Maintain the test condition on the TL- relays for as short a time as possible.</i>		
3	At recorder associated with call identity indexer — Block nonoperated TCT relay.	
4	At call identity indexer — Connect ground to 3T of T0 relay.	

STEP	ACTION	VERIFICATION
5	Connect ground momentarily to 3T of succeeding T- relay.	Minor alarm sounds. At trouble indicator frame — XTC and XTL lamps light.
6	At test or trouble frame — Operate one of the following: RL, RLA, RLS and TIR-AR, TR-AR, TRR-AR, or TT-AR keys.	Minor alarm silenced. All lamps extinguished.
7	Repeat Steps 5 and 6 for remaining T-relays.	
8	At recorder associated with call identity indexer — Remove blocking tool from TCT relay.	
9	At call identity indexer — Remove ground from 3T of TO relay.	
10c	If testing in office with two or more recorders per recorder group — Restore to normal all trunks or district junctors made busy for this test.	
11b	If testing in office equipped with transverter trouble indicator frame — At transverter trouble indicator — Restore LP key.	

B. False Ground or Cross on TC- Leads

Caution: *In an office with only one recorder per recorder group, the call identity indexer cannot be removed from service. The trunks are not made busy and the test may therefore interfere with service. Maintain the test condition on the TC-relays for as short a time as possible.*

3	At recorder associated with call identity indexer — Block nonoperated TCT relay.	
4	At call identity indexer — Connect ground momentarily to 2T of UA- relay.	Minor alarm sounds. At trouble indicator frame — XTC lamp lights.
5	At test or trouble frame — Operate one of the following: RL, RLA, RLS and TIR-AR, TR-AR, TRR-AR, or TT-AR keys.	Minor alarm silenced. All lamps extinguished.
6	Repeat Steps 4 and 5 for each succeeding UA- relay.	
7	At recorder associated with call identity indexer — Remove blocking tool from TCT relay.	

STEP	ACTION	VERIFICATION
8c	If testing in office with two or more recorders per recorder group — Restore to normal all trunks or district junctors made busy for this test.	
9b	If testing in office equipped with transverter trouble indicator frame — At transverter trouble indicator — Restore LP key.	

C. False Ground or Cross on DJ- Leads

Caution: In an office with only one recorder per recorder group, the call identity indexer cannot be removed from service. The trunks are not made busy and the test may therefore interfere with service. Apply the test connection to the DJ- leads for as short a time as possible.

- 8b If testing in office equipped with transverter trouble indicator frame —
At transverter trouble indicator —
Operate LP key.
- 9 At call identity indexer —
Connect together DJ- leads in Table A associated with trunk or district junctor selected.

Note: Connect DJ- leads together on DJ1 terminal strip.

TABLE A

TRUNK OR JUNCTION POSITION NUMBER IN CALL IDENTITY INDEXER	CONNECT LEAD	TO LEAD
10 } 11 }	DJ0	DJ1
12 } 13 }	DJ2	DJ3
14 } 15 }	DJ4	DJ5
16 } 17 }	DJ6	DJ7
18 } 19 }	DJ8	DJ9

STEP	ACTION	VERIFICATION
10	At test set or test frame — Operate ST key momentarily.	Minor alarm sounds. At transverter indicator frame — XU lamp lights.
11	At call identity indexer — Remove test connection from DJ1 terminal strip.	
12	At test or trouble frame — Operate or restore one of the following: RL, RLA, RLS, ST and TIR-AR, TR-AR, TRR-AR, or TT-AR keys.	Minor alarm silenced. All lamps extinguished.
13	Release trunks or district junctors made busy for this test.	
14	Repeat test until all DJ- leads in Table A have been tested.	
15b	If testing in office equipped with trans- verter trouble indicator frame — At transverter trouble indicator — Restore LP key.	

