

TAKING EQUIPMENT OUT OF SERVICE

CALL IDENTITY INDEXERS

NO. 1 CROSSBAR OFFICES ARRANGED FOR AMA

1. GENERAL

1.01 This section covers the method to be followed in taking call identity indexer circuits out of service in No. 1 crossbar offices. Part 3 of this section covers the method of taking a call identity indexer circuit and the individual pieces of apparatus associated with this circuit out of service. Part 4 covers the precautions to be followed when working on the apparatus associated with this circuit.

1.02 A call identity indexer circuit is directly associated with a recorder and recorder connector circuit and a maximum of 100 district junctors arranged for AMA service. The call identity indexer circuit can be removed from service by making busy all the district junctors associated with this circuit, or by making busy the associated recorder circuit. If the district junctors are made busy, calls that would have been served by the call identity indexer and recorder which has been removed from service, will be served by district junctors associated with another call identity indexer and recorder. Under this condition there will be no loss in revenue.

1.03 If there are an insufficient number of districts available to take care of traffic, then the recorder is made busy in place of the district junctors. Under this condition, all message unit calls using district junctors associated with the call identity indexer are free calls and toll calls using these district junctors are routed to overflow. For this reason, where possible, the district junctors should be removed from service as in 1.02.

1.04 Before removing any of these circuits from service, as covered in 1.02 or 1.03 the traffic department should be advised.

1.05 When removing a call identity indexer from service it may be necessary to transfer from a regular recorder to an emergency recorder or from an emergency recorder to a regular recorder. If for any reason more than one transfer is made from the same recorder to the emergency recorder during

the same hour entry (from 1 to 2, 2 to 3, etc.), it may not be possible to associate the entries for two or more calls on a district junctor which has the initial entry on one tape and the answer and disconnect entries on the other tape.

2. APPARATUS

- 2.01 No. 322A (make busy) plugs, as required.
- 2.02 No. 349A (or the replaced No. 298A) (make busy) plugs, as required.

3. METHOD OF TAKING EQUIPMENT OUT OF SERVICE

Call Identity Indexer and the Associated Apparatus

Sufficient District Junctors Available to Handle Traffic

3.01 If there are sufficient district junctors available to handle traffic while the call identity indexer is removed from service, make busy the associated district junctors at the subscriber sender link frame by inserting No. 349A plugs into the district junctor unit MB- jacks. The call identity indexer will not be out of service until all the primary hold magnets of all the district junctors on the associated district link switches have restored to normal.

3.02 If the emergency recorder is in service in place of the regular recorder, determine whether it is satisfactory to transfer back to the regular recorder. If satisfactory, transfer the call identity indexer back to the regular recorder by removing the plug from the associated TN-jack at the transverter trouble indicator frame.

Insufficient District Junctors Available to Handle Traffic

3.03 If sufficient district junctors are not available, and the associated regular recorder is in service, make busy the associated recorder by inserting a No. 322A plug into the associated RCDR-MB jack at the transverter trouble indicator frame.

3.04 If the emergency recorder is in service in place of the regular recorder, determine whether it is satisfactory to transfer back to the regular recorder. If satisfactory, transfer the call identity indexer back to the regular recorder by removing the plug from the associated TN- jack at the transverter trouble indicator frame. Then insert the No. 322A plug into the RCDR-MB jack of the associated regular recorder.

4. PRECAUTIONS TO BE FOLLOWED WHEN WORKING ON THE APPARATUS

Call Identity Indexer and the Associated Apparatus

4.01 Remove the call identity indexer from service as covered in 3.01 to 3.04 inclusive.

4.02 Before working on individual pieces of apparatus in the call identity indexer, insert a No. 322A plug into the associated recorder RCDR-TIB jack at the transverter trouble indicator frame. This avoids the possibility of having the recorder call in the transverter trouble indicator to register a trouble condition caused by working on the apparatus.

4.03 After all work on the apparatus in the call identity indexer has been completed, check if the recorder is out of synchronism, as indicated by a lighted OS lamp at the master timing frame. If the recorder is out of synchronism, momentarily operate the S (synchronizing) key.

4.04 Observe the following precautions when working on the relays noted in 4.05 to 4.12 inclusive.

A1 Relay

4.05 Block non-operated the XTC relay in the associated recorder to prevent perforating the tape.

T- Relays

4.06 Block non-operated the TA- and TB- relays associated with the T- relay being worked on to prevent a minor alarm.

4.07 Insulate the 7B contact of the T- relay. This prevents interference when applying the current flow test.

4.08 If the call identity indexer was removed from service as outlined in 3.03 or 3.04, insulate the 3B, 3T, 6B, 8T and 9B contacts of the TA- and TB- relays associated with the T- relay to be worked on. This prevents interference from the DJ leads of the district junctors that had initial entries on the tape at the time the MB plug was inserted into the RCDR-MB jack.

TA- and TB- Relays

4.09 The operation of these relays will bring in a minor alarm. To release the alarm, momentarily operate the RL key at the transverter trouble indicator frame.

U- Relays

4.10 Block non-operated the UA- relay associated with the U- relay being worked on. If the 2B and 3B or 1T and 3T contacts are opened while adjusting a U- relay, a minor alarm will sound. To prevent the minor alarm, first block non-operated another UA- relay, and then block operated the associated U- relay.

4.11 When work is completed, first remove the blocking tool from the U- relay, and then remove the blocking tools from the UA- relays.

UA- Relays

4.12 Insulate the 3B contact of the UA- relay being worked on to prevent selection of the recorder.

5. REPORTS

5.01 Where required, the record of the equipment removed from service should be entered on the proper form.