

## TAKING EQUIPMENT OUT OF SERVICE DISTRICT LINK FRAME NO. 1 CROSSBAR OFFICES

### 1. GENERAL

1.01 This section covers the methods to be followed in taking a district link frame out of service. It also covers the method of taking office junctors, district links and individual pieces of apparatus out of service.

### 2. APPARATUS

- 2.01 No. 298A (make busy) Plugs.
- 2.02 No. 325C Plugs (for making a vertical unit busy).
- 2.03 No. 558A Tools (for blocking a hold magnet non-operated).

### 3. METHOD OF TAKING EQUIPMENT OUT OF SERVICE

#### (A) District Link Frame

3.01 Make busy the entire district link frame by making busy the associated district junctor frame.

(a) Insert 298A Plugs into each of the five MB jacks on the associated subscriber sender link frame to make the subscriber district junctors busy.

(b) Make busy each of the associated Key Pulsing "A" district junctors at the "A" switchboard in the approved manner.

#### (B) Junctor Connector JC, Transfer TR and Check CH Relays

3.02 Make busy the entire district link frame in accordance with 3.01.

#### (C) Primary Switch

3.03 Insert 298A Plugs into each of the MB jacks of the associated subscriber district junctors (maximum 10 circuits) or make busy the associated key pulsing "A" district junctors at the "A" switchboard in the approved manner.

#### (D) Secondary Switch

3.04 Insert a 298A Plug into the associated MB jack.

#### (E) Link Connector (LC) Relay

3.05 Make busy the associated primary switch in accordance with 3.03.

#### (F) District Links

3.06 Make busy the primary switch on which the district link to be removed from service is located in accordance with 3.03. Two adjacent switches containing subscriber district junctors may be made busy by inserting a 298A plug in the associated MB jack on the sender link frame.

3.07 Allow approximately 10 seconds for establishing talking connections on all districts which were connected to senders at the time they were made busy.

3.08 Insert a 325C Plug into the district link PH magnet sleeve grounding jack.

3.09 Restore the remainder of the primary switch to service by restoring to service the associated district junctors.

#### (G) Office Junctors

3.10 Insert a 298A Plug into the MB jack for the secondary switch containing the office junctor to be removed from service.

3.11 Await the release of the office junctor SH magnet if it is operated on a service call.

3.12 Block the associated office junctor PH magnet on the office frame, non-operated, using 558A tool.

3.13 Insert a 325C Plug into the sleeve grounding jack of the office junctor of the SH magnet.

3.14 Restore the remainder of the secondary switch to service by removing the 298A Plug from the secondary switch MB jack.

#### (H) Marker Connector MCA and MCB Relays

3.15 Make busy the associated originating decoder marker in the approved manner.

#### (I) Marker Preferred MP Relays

3.16 The MP relays are out of service if the TR relays are operated. If the TR relays are not operated, momentarily operate the "MTR" key. This will cause the TR relays to operate. Operate the "SA" key to silence the alarm.

#### (J) Marker Preference E Relays

3.17 The E relays are out of service if the TR relays are non-operated. If the TR

relays are operated, momentarily operate the "MTR" key, this will cause the TR relays to release. Release the "SA" key to silence the alarm.

(K) Trouble Indicator TI Relay

3.18 Make busy the originating trouble indicator in the approved manner.

4. GENERAL PRECAUTIONS WHEN WORKING ON THE APPARATUS

4.01 It is desirable when working on the individual pieces of apparatus to make busy equipment and take other precautions as indicated below.

(A) Junctor Connector JC, Transfer TR and Check CH Relays

4.02 Remove the district link frame from service in accordance with 3.01 and allow approximately 10 seconds for establishing talking connections on all districts which were connected to senders at the time they were made busy.

(B) Primary Switch

4.03 Remove the primary switch from service in accordance with 3.03 and await the release of all hold magnets which may be operated in service.

(C) Secondary Switch

4.04 Insert a 298A Plug into the associated MB jack and await the release of the hold magnets which may be operated in service.

4.05 Block the PH magnets of the 20 associated district links non-operated, using 558A Tools.

4.06 Block the PH magnets of the 20 associated office junctors on the office link frames non-operated, using 558A tools.

4.07 If current flow tests are to be made on the secondary switch SH magnets make the entire district link frame busy in accordance with 3.01.

(D) Link Connector LC Relays

4.08 Make busy the district link frame in accordance with 3.01, and allow approximately 10 seconds for establishing talking connections on all districts which were connected to the senders at the time they were made busy.

(E) District Links

4.09 Make busy the primary switch on which is located the district link in accordance with 3.03.

(F) Office Junctors - SH Magnet

4.10 Make busy the secondary switch on which is located the office junctor in accordance with 4.04 and block the associated office junctor PH magnet non-operated, using 558A Tools.

(G) Marker Connector MCA and MCB Relays

4.11 Make busy the associated originating decoder marker in the approved manner.

4.12 Make busy the district link frame in accordance with 3.01.

(H) Marker Preferred MP Relays

4.13 Transfer the circuit to the E relays in accordance with 3.16.

(I) Marker Preference E Relays

4.14 Transfer the circuit to the MP relays in accordance with 3.17.

(K) Trouble Indicator TI Relay

4.15 Make busy the originating trouble indicator in the approved manner.

4.16 Make busy the district link frame in accordance with 3.01.