

## FALSELY GROUNDED INCOMING TRUNK FC LEAD NO. 1 CROSSBAR OFFICES

### 1. GENERAL

1.01 This section covers methods to be followed in connection with troubles due to a falsely grounded incoming trunk FC lead.

1.02 This section is reissued to revise the methods of analyzing, locating and clearing the trouble and to make minor revisions in the trouble indicator record.

### 2. INDICATIONS OF TROUBLE CONDITIONS

2.01 Terminating trouble indicator records.

### 3. REACTIONS DUE TO TROUBLE

3.01 The individual call involved fails to complete.

3.02 Incoming trunks on the frame involved are unable to serve calls.

3.03 During busy-hour periods this trouble may cause an overload of the terminating traffic.

### 4. IMMEDIATE PROCEDURE TO FOLLOW

4.01 Analyze trouble indicator records.

4.02 Block incoming trunks involved. In this case this should be done by inserting make-busy plugs into the GB (group

busy) jacks on the terminating sender link frame. If a 160 trunk frame is involved it may be necessary to insert plugs into jacks on the auxiliary frames.

### 5. ANALYSIS OF TROUBLE

5.01 A false ground on the FC lead of a particular incoming trunk causes the F relay of the trunk to operate which operates the LC relay of the incoming link and connector circuit. Whenever any call is originated on this frame the marker will ← give a trouble release and summon the trouble indicator.

### 6. SUGGESTED PROCEDURE FOR LOCATING AND CLEARING TROUBLE

6.01 Determine circuit in trouble by analysis or remove the covers of the LC relays and note which relay is operated. This indicates the group in which the false ground is located. ]

6.02 Remove the covers from the F relays and note which F relay is operated. ← This is the trunk in trouble.

6.03 Block this F relay non-operated.

6.04 Make the particular trunk busy and restore the other trunks on the frame to service by removing plugs from the GB jacks.

### 7. TROUBLE CONDITIONS CAUSING REACTIONS MAY BE LISTED BELOW

7.01 Grounded trunk FC lead at the terminating sender link primary switch.

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