CROSSED CONTACTS OF OFFICE LINK FRAMES SS RELAYS
NO. 1 CROSSBAR OFFICES

1. GENERAL

1.01 This section covers methods to be followed in connection with troubles due to crossed contacts on an office link frame SS relay.

2. INDICATIONS OF TROUBLE CONDITION

2.01 Originating trouble indicator records.

3. REACTIONS DUE TO TROUBLE

3.01 This trouble causes double connections between subscribers.

3.02 Individual calls cannot be completed.

4. IMMEDIATE PROCEDURE TO FOLLOW

4.01 Analyze trouble indicator records.

4.02 Make busy the secondary office link switch involved in the trouble.

4.03 Make busy all districts indicated as being involved in the trouble either by the trouble indicator records or by tracing the double connections.

5. ANALYSIS OF TROUBLE

5.01 If a trouble occurs on the office link frame which causes double connections the marker will give an indication showing the absence of a B lamp but the connection that it has just set up will remain locked to the talking connection. When the district involved becomes idle to the line link frame, its connection through the district and office link frames will remain. Any marker attempting to set up a connection for this district junctor, which may have been reseized, will release and give an XSL (crossed SL lead) lamp indication.

6. SUGGESTED PROCEDURE FOR LOCATING AND CLEARING TROUBLE

6.01 Hold the double connection for tracing by inserting the No. 325C tool preferably into the test jack of the district link primary switch.

6.02 Determine the cause by locating the trouble.

7. TROUBLE CONDITIONS CAUSING REACTIONS MAY BE LISTED BELOW

7.01 Cross on a pair of contacts of an office link frame 33 relay.
### ORIGINATING TROUBLE INDICATOR RECORD

#### CROSSBAR OFFICES

| NO | TI | CT | DT | DR | CO | EO | SO | SOA | COA | CTX | CRX | TX | RX | RXA | LSL | SRL | SRX | SLX | SRLX | TLX | TLXA | TLXG | Z | ZC | ZD | ZE | ZF | ZG | ZH | ZI | ZJ | ZK | ZL | ZM | ZN | ZO | ZP | A | B | C | D | E | F | G | H | I |
|----|----|----|----|----|----|----|----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1  | ✔ | 2  | ✔ | 0 | 3 | 1 | 0 | 1 | 0 | 1 | 9 | 3,2 | 1 | 0 | 0 | 0 | 2 | 2 | 0 | 4 | 6 | 0 | 2 | 6 | 0 | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |

- **Column A** - Trouble indication.
- **Columns B and C** - Any marker or sender.
- **Column D** - A particular office link secondary switch with the absence of a B lamp in column M indicates a double connection.
- **Column O** - An XSL lamp after no B lamp in column M indicates that the district involved was released before its channel was released.

### Analysis of Indication

Absence of a B lamp indicates a double connection. When associated with the office frame and trunk it indicates a particular secondary switch on the office frame.

### Immediate Procedure to Follow

Make the secondary switch on the office frame busy. Make busy all district junctions involved.

### Procedure to Locate and Clear Trouble

By means of a No. 3252 plug, hold the connections for tracing. After they are traced, the cause of the double connections can be analyzed.