

CROSSED CONTACTS ON TERMINATING MARKER

OH OR EH RELAY

NO. 1 CROSSBAR OFFICE

1. GENERAL

1.01 This section covers methods to be followed in connection with troubles due to crossed contacts on OH or EH relay in a terminating marker.

2. INDICATIONS OF TROUBLE CONDITION

2.01 Reports of double connection or crosstalk on customer lines.

3. REACTIONS DUE TO TROUBLE

3.01 The reactions from this trouble are confined to individual calls and do not affect service generally.

3.02 The calls will usually be completed on second trial, using another marker.

4. IMMEDIATE PROCEDURE TO FOLLOW

4.01 Trouble conditions caused by crossed contacts on the OH or EH relay are cleared by making continuity checks of the contacts of each relay on each marker.

5. ANALYSIS OF TROUBLE

5.01 The line junctor hold magnet group choice, OH or EH relay differentiate between odd- and even-line links (two 1/4 choices) during a

terminating function. When one of the leads OH 0 to 9 or EH 0 to 9 at the associated relays in the terminating marker becomes crossed or short circuited, a hold magnet will operate at the offending line link (1/4 choice). If an originating call is in progress simultaneously in the other line link (1/4 choice) of the half choice, a double connection will result.

6. SUGGESTED PROCEDURE FOR LOCATING AND CLEARING TROUBLE

6.01 Make one terminating marker busy at a time and test all the contacts of the OH and EH relays for a cross. Refer to SD-25283-0105, Figure 14, to determine normal open and closed contacts.

7. TROUBLE CONDITIONS CAUSING REACTIONS MAY BE LISTED BELOW

7.01 The 1 and 2 contacts on EH relay crossed.
