OPEN SUBSCRIBER SENDER OF RELAY SHUNT CIRCUIT
NO. 1 CROSSBAR OFFICES

1. GENERAL
1.01 This section covers methods to be followed in connection with an open OP relay shunt circuit of the subscriber sender.

2. INDICATIONS OF TROUBLE CONDITION
2.01 Originating trouble indicator records.

3. REACTIONS DUE TO TROUBLE
3.01 False XSL (crossed SL lead) lamp signals are received on individual calls.

4. IMMEDIATE PROCEDURE TO FOLLOW
4.01 Analyze trouble indicator records.
4.02 Remove the subscriber sender circuit involved from service.

5. ANALYSIS OF TROUBLE
5.01 On calls to reverse battery trunks the TW relay is operated in the subscriber sender to shunt the OP relay and prevent it from operating when the trunk test is made. If this shunt path is open the OP relay will operate falsely and set the sender for a second trial. The marker in attempting to complete the call on second trial will find the previous connection still held because of the slow releasing relay of the reverse battery trunk holding ground on the sleeve and will therefore release with an XSL lamp indication.

6. SUGGESTED PROCEDURE FOR LOCATING AND CLEARING TROUBLE
6.01 Set the subscriber sender test circuit with the RVT (reverse battery trunk) key operated and proceed to test the sender involved.

7. TROUBLE CONDITIONS CAUSING REACTIONS MAY BE LISTED BELOW
7.01 Open 3 and 4 top contact of the TW relay in the subscriber sender circuit.
ORIGINATING TROUBLE INDICATOR RECORD
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Column A - Trouble indication.
Column B - Any marker.
Column C - One particular sender in trouble. Same sender with OS 1-2 lamp in column E, reverse battery trunk code and AR lamp in column I, XSL lamp in column O and TW lamp in column F indicates sender is in trouble.

Analysis of Trouble: An XSL lamp indication on a particular sender selecting a reverse battery trunk results if the OF relay shunt in the sender is open. This causes the sender to request a second trial when it encounters the reverse battery. Marker selects a different trunk but original one will not release in time to remove ground from sleeve.

Immediate Procedure to Follow: Make sender busy.

Procedure for Locating and Clearing Trouble: Use subscriber sender test with RVT key operated.