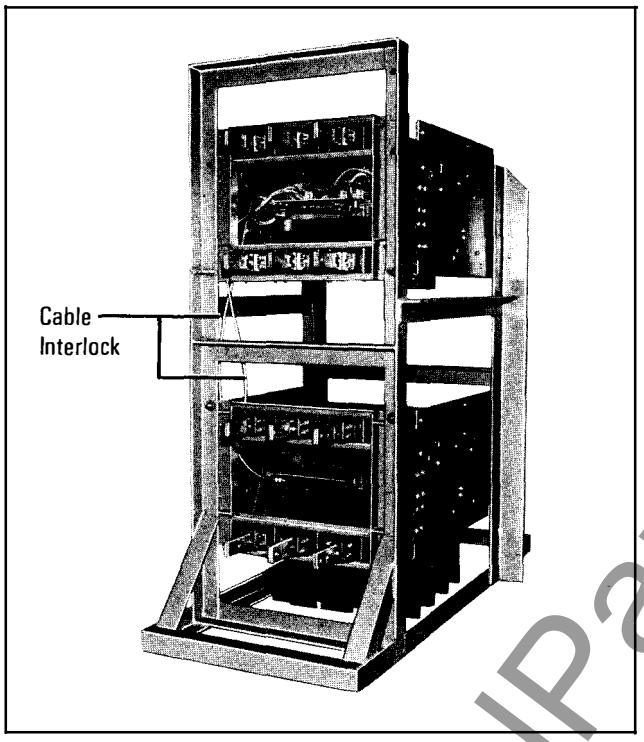
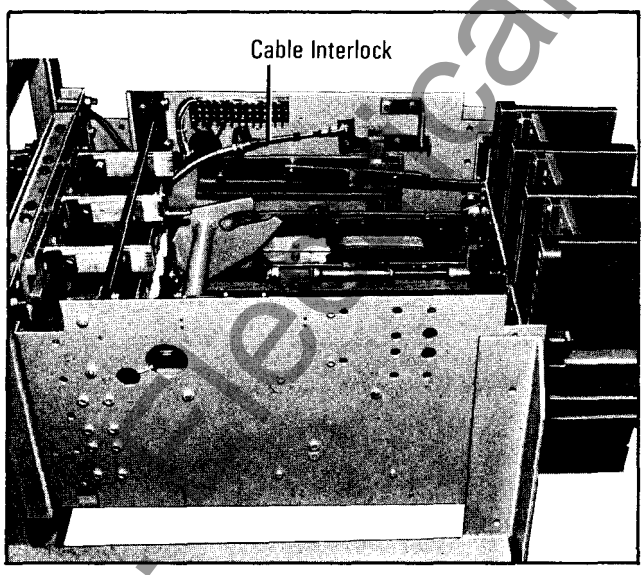
Instructions for Installing Mechanical Cable Interlock Two Vertically Arranged, Adjacent Drawout SPB Breakers

I.L. 15129
File 29-800





CAUTION: **No attempt should be made to install this interlock assembly in an energized switchboard.**

This interlock device was assembled and tested at the factory along with two custom built SPB's and dismantled for shipment. Reassembly using the following instructions is required for proper operation:

1. Install cables per Figs. 1 and 2.

2. If it is necessary to remove cable from mechanism plate, mark the exact location for reassembly.

3. Cable must not touch live conductors. Wire tie the cables away from the conductors.

4. After installation of cables, install breakers in the drawout mechanism (refer to I.B. 15082, Section 1.3) and test the trip link assembly (Fig. 1) for trip position and overtravel, adjust mechanism if necessary. Then check operation of interlock as follows:

A) Starting with both breakers "Charged" and "Open", close one of the breakers.

B) Mechanical interlock must hold the other breaker in "Open Trip Free"/"Spring Charged" position. To test for this, push the close button, breaker must trip free. At this point, breaker must be rechargeable.

CAUTION: **The action involved in releasing the stored energy without closing the main contacts causes an abnormally high shock condition on the breaker and should be avoided except for emergency reasons. For this reason, the number of operations initiated to confirm the proper operation of the interlock should be held to a minimum. For additional information, refer to I.B. 15082, Section 3.1.5.**

C) After both breakers have been placed in the "Open" position first, then repeat steps "A" and "B" above starting with the opposite breaker.

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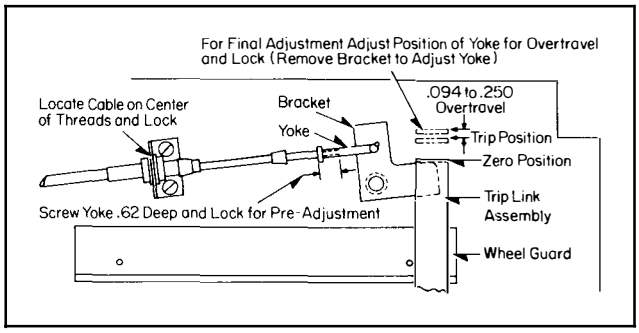

Fig. 1 *Adjustment of Cable Interlock*

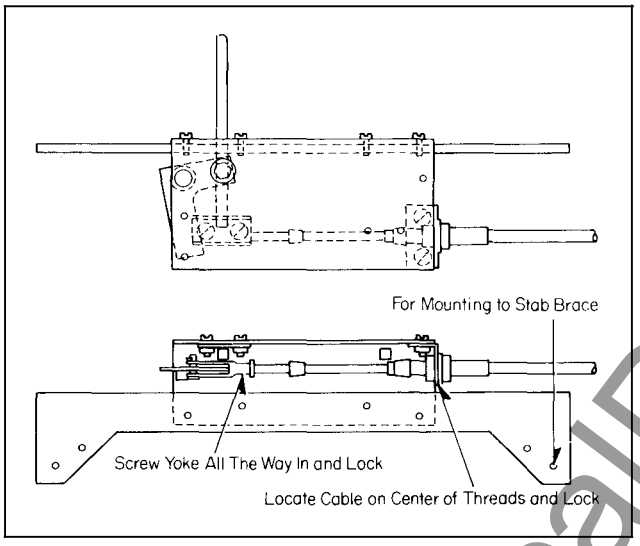

Fig. 2