

INSTRUCTIONS FOR REPLACING
A COMPLETE POLE ASSEMBLY
IN A 15HKV500/750 1200/2000 AMP
CIRCUIT BREAKER

IB 8528

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1. GENERAL

1.1 For general instructions, refer to Instruction Bulletin IB 6.2.4.7-1C.

1.2 The circuit breaker must be removed from the switchboard.

FOR SAFETY - UNLESS STATED OTHERWISE, THE BREAKER IS TO BE OPEN WITH THE CLOSING SPRINGS DISCHARGED.

2. REMOVAL OF OLD POLE ASSEMBLY (SEE FIG. 1)

2.1 Make sure breaker is open and closing springs discharged.

2.2 Remove upper pushrod nut (1).

2.3 Remove the four moulding hold-down bolts (2).

2.4 The complete pole assembly can now be removed.

3. INSTALLATION OF NEW POLE ASSEMBLY (SEE FIG. 1)

3.1 Before installing the new pole assembly on the breaker, the pole assembly must be positioned in the full open position if not already in that position.

CAUTION: IF THE ARMS (4) ARE IN THE FULL CLOSE POSITION OR CLOSE TO THIS POSITION, THE ARMS WILL SNAP DOWN WHEN DOWNWARD PRESSURE IS APPLIED ON THE PRY BAR: THEREFORE, USE CAUTION WHEN MOVING FROM THIS POSITION TO FULL OPEN.

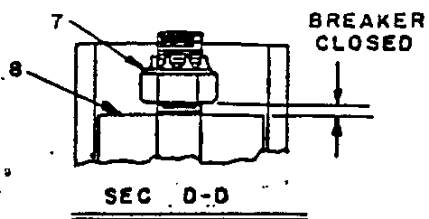
Moving the arms to the full open position is done by placing a pry bar as shown in Figure 1 and pushing down.

3.2 While lowering the new pole assembly onto the truck, guide pushrod stud (5) through pin (6).

3.3 Center the pole assembly on the truck so that the mounting holes line up.

3.4 In order to reduce any stresses in the moulding at the mounting bolts, any gap between the truck and the moulding at the mounting surfaces should be filled with shims (3). The shims should normally be required at only one mounting hole.

- 3.5 Install the hardware at the four mounting holes loosely and position the assembly so that the horizontal center to center distance between the new pole and adjacent pole/poles is 10" average and the rear end of the terminals are in line with the other poles. Torque the four mounting bolts (2) to 12 ft. lbs.
 - 3.6 Install the upper nut (1) and adjust the two nuts (1) to position the arms (4) in the open position to dim. "C" which should also be similar to dim. "C" on the other two poles.
 - 3.7 For Safety - Refer to step 3, "Adjustment Procedure" on page 7 of IB 6.2.4.7-1 for adjustment.
Close the breaker and readjust, if necessary, the two nuts (1) to position arms (4) in the close position to dim. "A". Make sure that the nuts are tight.
 - 3.8 Operate the breaker approximately five times, then recheck dim. "A" with the breaker closed. Also note that with the breaker closed, there should always be a gap between nut (7) and part (8).
4. TESTING
- 4.1 In addition to the "contact sequence" and "dielectric" for the 3 poles, as specified in the General Instruction Bulletin, 6.2.4.7-1, it is recommended that the breaker be checked as specified in the "Maintenance, Adjustment and Test" section of above bulletin.



$A = .170 \pm .010$ (AVG. 2 SIDES)
 $C = .187 \pm .010$ (AVG. 2 SIDES)

MOLDING

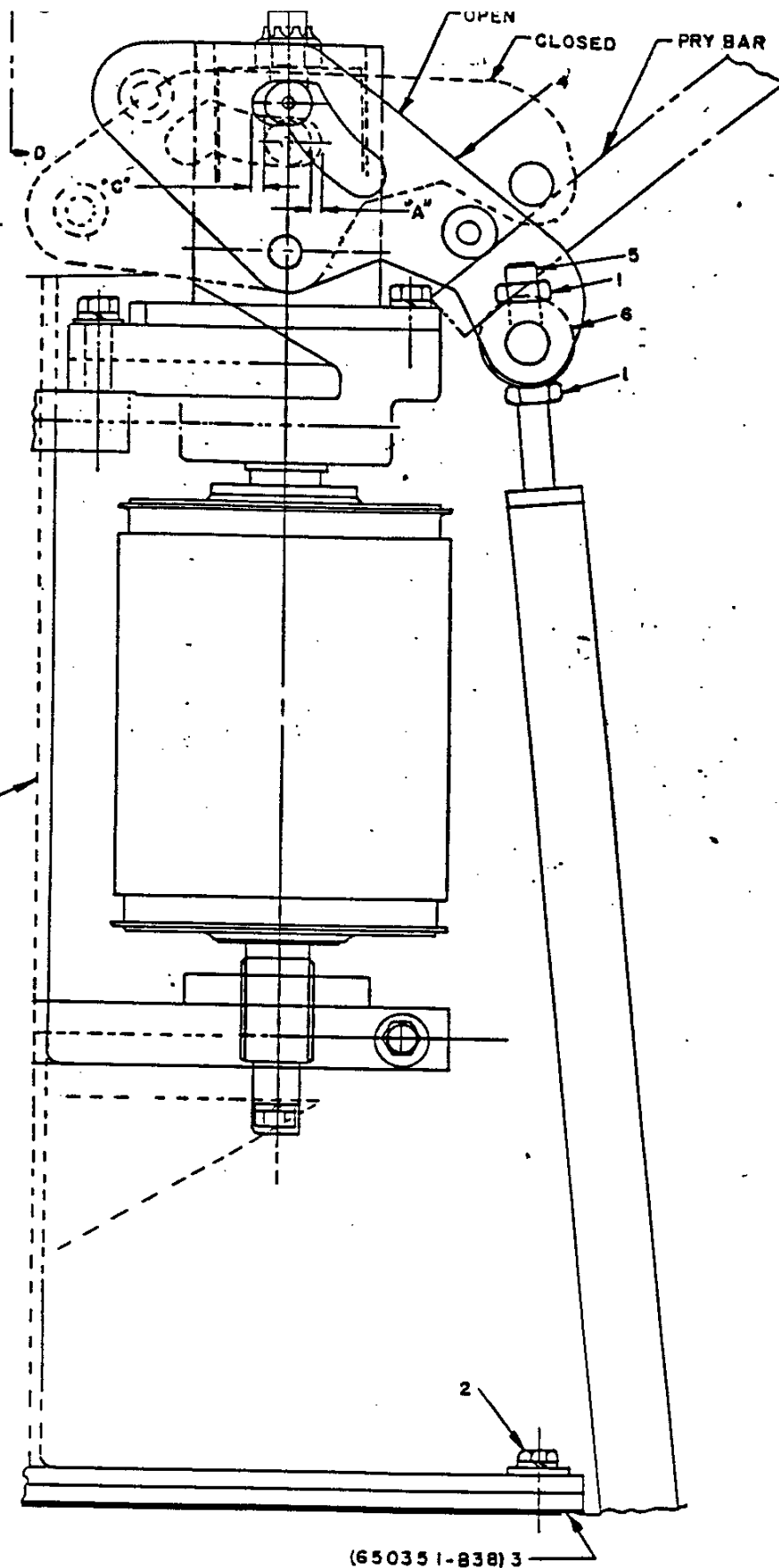


FIG. 1