

9.10 Motor Replacement

With the breaker open and the closing spring discharged, remove auxiliary switch as described above but do not disconnect leads. Move switch toward side of mechanism far enough to clear motor and tie there temporarily. Disconnect motor leads. Remove the long bolt and spacer securing the motor to the mechanism mid-plate. Remove the two socket head cap screws securing the motor to the mechanism top plate using a 5/16" Allen socket and a 24" extension. Disengage the motor output shaft from the charge linkage arms and withdraw motor.

To install the new motor, reverse the above procedure.

9.11 "Y" Relay Replacement

Before removing the "Y" relay, make sure all leads are marked with terminal locations. Next, disconnect all leads and remove the two fasteners securing the "Y" relay's shock absorbing mounting bracket to the mechanism rear plate. Withdraw relay and bracket. Remove fasteners securing relay to mounting bracket.

Reverse the above procedure to install new relay.

9.12 Close Latch Stop Bolt

All distribution circuit breakers utilizing ML18 mechanisms with a type designation ending in "-0" or "-1" have an adjustment bolt on the close latch. The adjustment for the close latch stop bolt is made with the breaker open and the closing spring charged.

- 1) Turn the ¼-20 adjusting bolt in against the close latch until the closing spring discharges and the breaker closes.
- 2) Back out bolt ½ turn (three flats on head of bolt)
- 3) Check for proper holding of the latch on recharging of the closing spring. If latch fails to reset and hold the spring, back the bolt out 1 or 2 additional flats.

All distribution circuit breakers utilizing mechanism ML18-2, ML18-3, ML18H-0 or ML-18H-1 have no adjustment bolt on the close latch. A permanent stop with no adjustment is provided by a pin attached to the mechanism side.

9.13 Dashpot Adjustment-(If Equipped)

Dashpot adjustment to be .781 +/- .030 when breaker is in the open position (See Figure. 28). Dashpot is a sealed unit, no maintenance is required. Replace dashpot in case of any leakage.

**9.14 Optional Auxiliary Contacts
Parts and Tools Required**

Required Parts

| Part Number | Description |
|--------------------|--------------------|
| 0282A2048P009 | Breaker Grease |

Required Tools

- (2) 3/4" Open End Wrenches
- (1) 0-100 lb-ft Torque Wrench
- (1) 3/4" Crow's Foot Adaptor
- (1) Set of Feeler Gages