1. Remove Cover

2. Disconnect wires from terminal block.
   NOTE: THIS CONNECTION IS NOT POLARITY DEPENDENT.

3. Remove arm from closer.

4. Remove Unit

5. Remove screws from back of plate removing solenoid.
6. Align solenoid and attach with four (4) screws.

7. Reattach unit to frame.

8. Connect wires to terminal block.

   TERMINAL BLOCK

   INCOMING POWER ±10%
   (24V AC/DC FROM POWER SUPPLY
   OR YELLOW WIRES FROM 120V AC
   TRANSFORMER)

   120V GROUND
   (IF APPLICABLE)

NOTE: THIS CONNECTION IS NOT
POLARITY DEPENDENT.

9. Reattach arm to closer.
   Predetermine unit mounting and arm type. Then follow matching arm attachment instruction.

   **1816HJ UNITS**
   Secure arm with washer and pinion screw.

   **1816FSJ UNITS**
   Place sweep arm on pinion so "R" aligns for a right hand door and "L" aligns for a left hand door as shown in illustration below. Install remaining components as illustrated. Fasten securely with pinion screw.
1. Close sweep and latch valves clockwise until snug.

2. With door closed, place wrench on pinion square and rotate it until it aligns with the square hole in the arm (approximately 45°). Secure arm with pinion screw.

**1856HT SD2 UNITS**

**1856FST SD2 UNITS**

Rotate pinion square approximately 45°. Place sweep arm on pinion so "R" aligns for a right hand door and "L" aligns for a left hand door as shown in illustration below. Install remaining components as illustrated. Fasten securely with pinion screw.

**HOLD OPEN UNITS ONLY**

**SET HOLD OPEN POSITION**

The units are factory preset to hold open at approximately 90°.

1. Open the door to factory preset hold open position and hold door in this position.
2. Loosen cam screw so that the cam moves freely. Move door to the required hold open position. (Fig. 1)
3. Turn cam so that the cam lobe is resting against the roller in the plunger. Tighten cam screw securely. (Fig. 2)

**CATUTION: Be sure Cam Teeth meshed with mating part.**

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**INS NO. 08222050** **PAGE 3 OF 4** **Rev. 07/10**
Replace cover, turn electric back on and test unit.