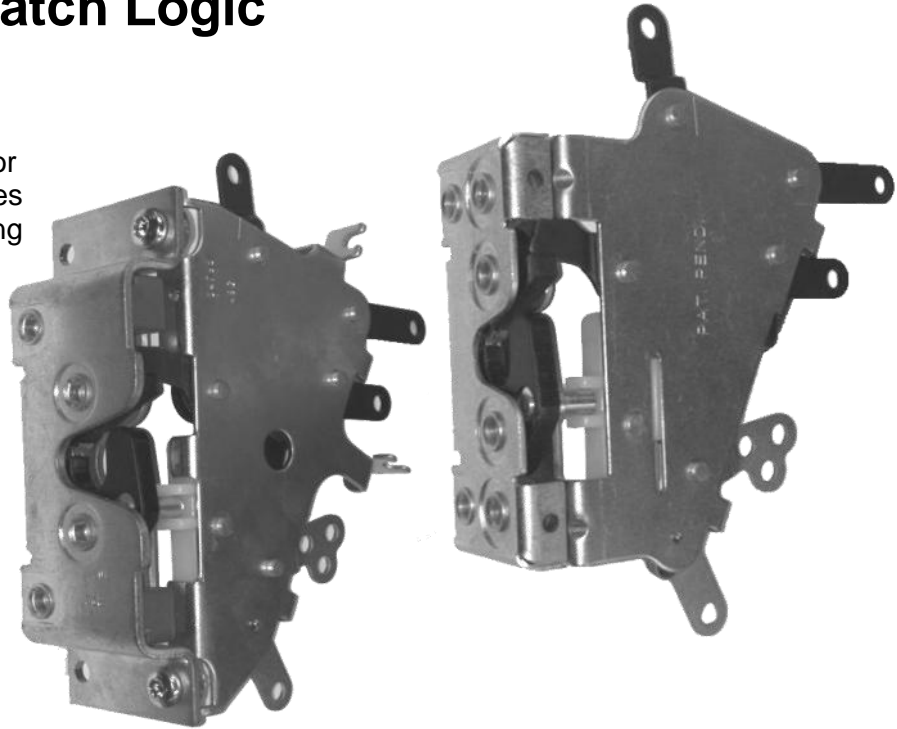


# Application Guide

## 050-0810 Single Rotor Latch Logic

### APPLICATIONS:

- This product includes 2 versions that allows for internal or external door mounting and provides automotive logic function with remote activating handles
- Door weights up to 150 lbs. (68 kg) maximum
- Door seal pressures of 25-50 lbs. (11-23 kg) recommended for best results



### INSTALLATION:

- Latch/Logic
  - ◇ Four 1/4-20 UNC grade 5 or M6 x 1 class 8.8 or better fasteners are recommended
  - ◇ Tighten Grade 5 or better fasteners to the manufacturers' recommended torque value; however, do not exceed 96 in-lbs. (10.7 N-m)
  - ◇ It is recommended that the latch is mounted to the door with non-adjustable holes
- Striker Bolt
  - ◇ Installation torque for striker to be 56 ft-lbs. (74.7 N-m) minimum
  - ◇ Typically, the striker bolt is mounted to a cage nut that adjusts up and down / forward and back or a bracket that slides forward and back and has a slot that allows the striker bolt to move up and down
  - ◇ Aligning the latch and the striker bolt is KEY to proper function of the latch

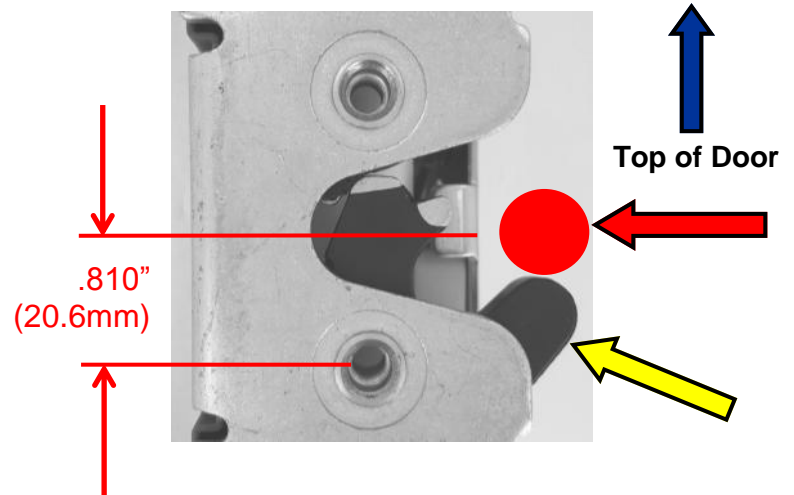


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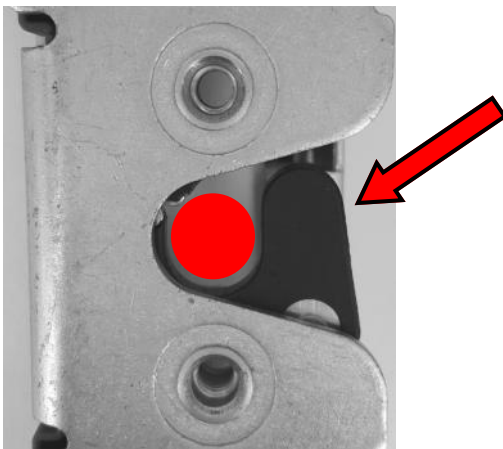
### **LATCH ALIGNMENT TO STRIKER BOLT :**

- The latch rotor should always be on the bottom when installed in the door. The picture shows a driver's side latch.
- If the striker bolt is too high, closing the door will actually lift the door and cause early wear on the latch and striker.
- The striker bolt (red dot) should just clear the rotor (pointed by yellow arrow) when fully open. This is the best location to start with for the vertical alignment. The center line for the striker bolt to the rotor axle is  $.810''$  (20.6mm).

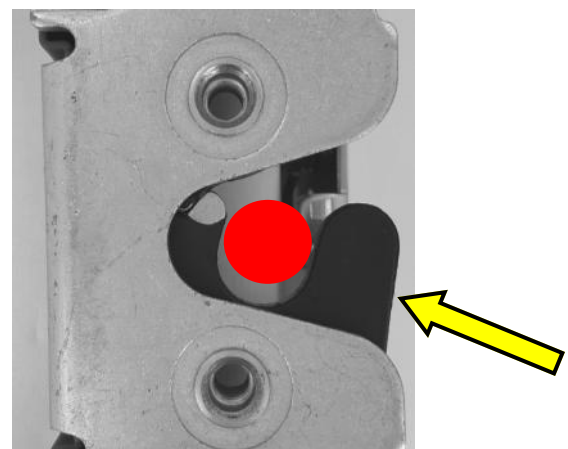


### **PRIMARY AND SECONDARY POSITIONS:**

- Primary position is when the latch is fully closed. The striker should be centered in the 'V' shape case. The door should be fully closed at this position. (red arrow)
- Secondary position is when the rotor is not fully closed. This will make the door appear closed but the door is not fully secured—care should be taken to ensure that the latch and striker bolt will go into the primary and fully closed position. (yellow arrow)



**PRIMARY POSITION**



**SECONDARY POSITION**

### **TROUBLESHOOTING:**

- A door that sticks or has to be lifted up over the striker bolt might have a damaged latch. This is due to misaligned striker to the latch. (Please refer to Latch Alignment to Striker Bolt—above)
- Signs of a misaligned striker bolt are evident on the latch case halves. The striker bolt will have corresponding grooves to these case halves.
- The latch should be replaced and properly aligned with the striker.

