

Application Guide

050-1900 8mm Single Rotary Latch

APPLICATIONS:

- The 050-1900 8mm Single Rotary Latch includes 2 versions:
 - ◊ Two-position catch and rotor combination for FMVSS 206 applications
 - ◊ Single-position catch and rotor combination for non-FMVSS 206 applications.
- Door weights up to 170 lbs. (77 kg)
- TriMark recommends a seal load of 40-50 lbf (18-22 kgf)



INSTALLATION:

- Latch Mounting:
 - ◊ Two M8 x 1.25 class 8.8 or better fasteners required
 - ◊ Tighten to the manufacturers' recommended torque value; however, do not exceed 26 N-m (230 in lbs)
 - ◊ It is recommended that the latch is mounted to the door with non-adjustable holes
- Strike Mounting:
 - ◊ Two M6 x 1 class 8.8 or better fasteners required
 - ◊ It is recommended that the hoop strike is mounted to the aperture with the TriMark Backer Mount Plate corresponding to hoop strike mounting pattern
 - ◊ Aligning the latch and the hoop strike is KEY to proper latch function

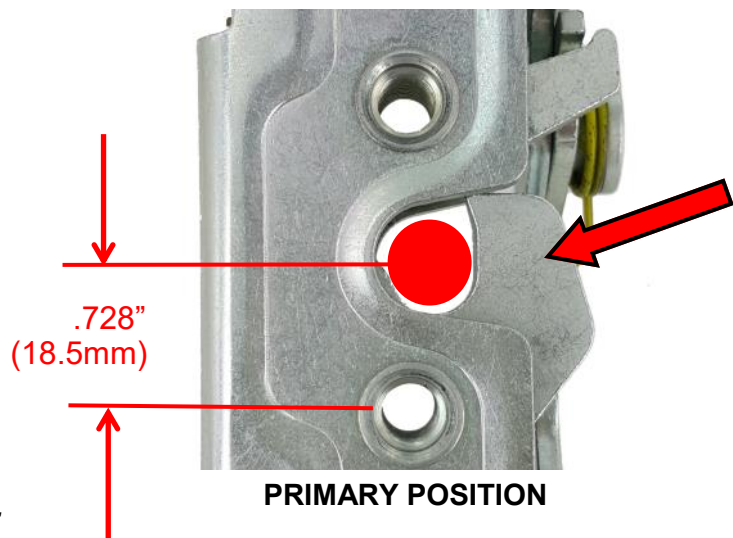
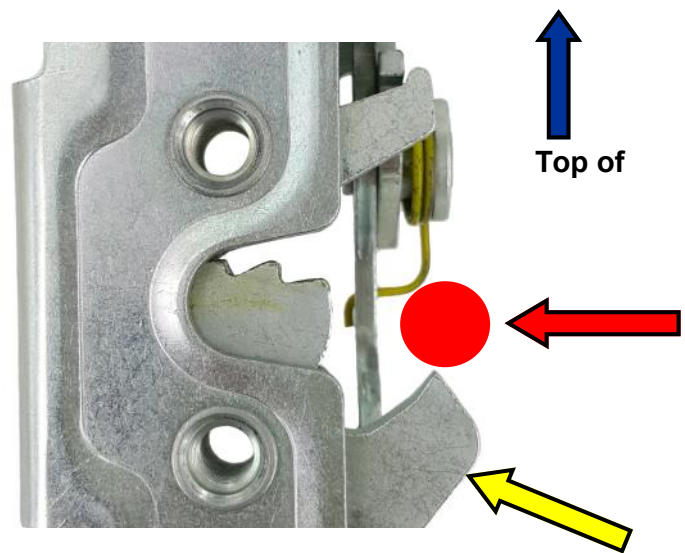


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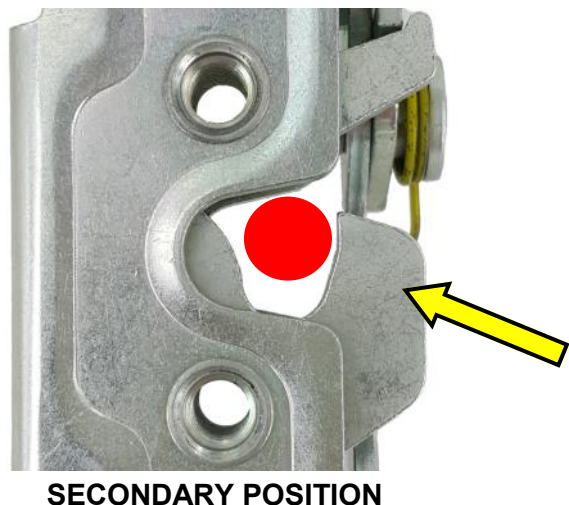
LATCH ALIGNMENT TO HOOP STRIKE:

- The latch rotor should always be on the bottom when installed in the door
- If the hoop strike is too high, closing the door will actually lift the door and cause early wear on the latch and hoop strike
- The hoop strike (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 hoop strike to the rotor axle is .728" (18.5mm)



PRIMARY AND SECONDARY POSITIONS:

- Primary position is when the latch is fully closed. The hoop strike 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 hoop strike will go into the primary and fully closed position (yellow arrow)





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