SECURITY DOOR CONTROLS ■ WWW.SDCSECURITY.COM
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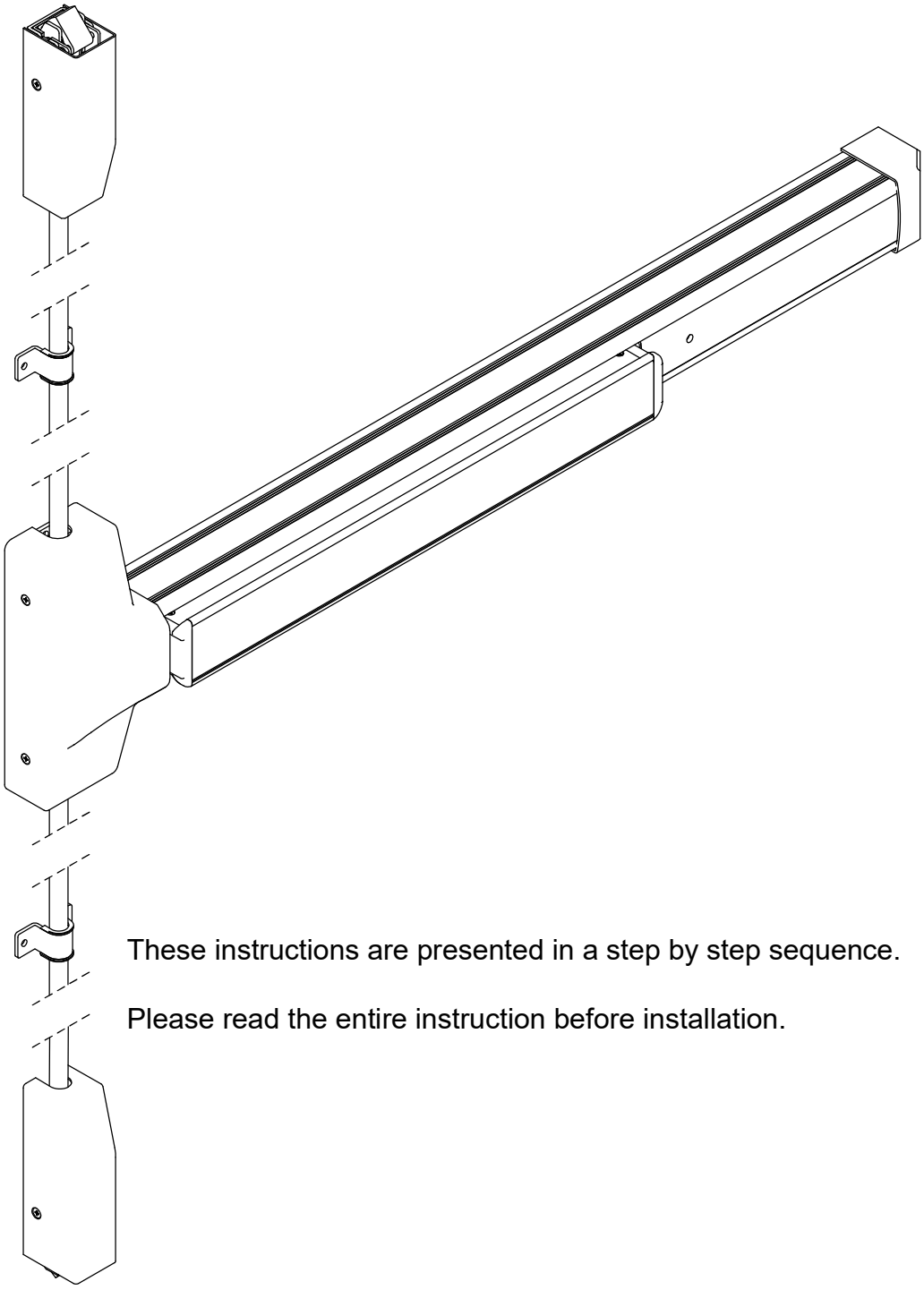
INSTALLATION INSTRUCTIONS

S6200 SERIES
REVERSIBLE PANIC / FIRE EXIT
SURFACE MOUNTED VERTICAL ROD DEVICE

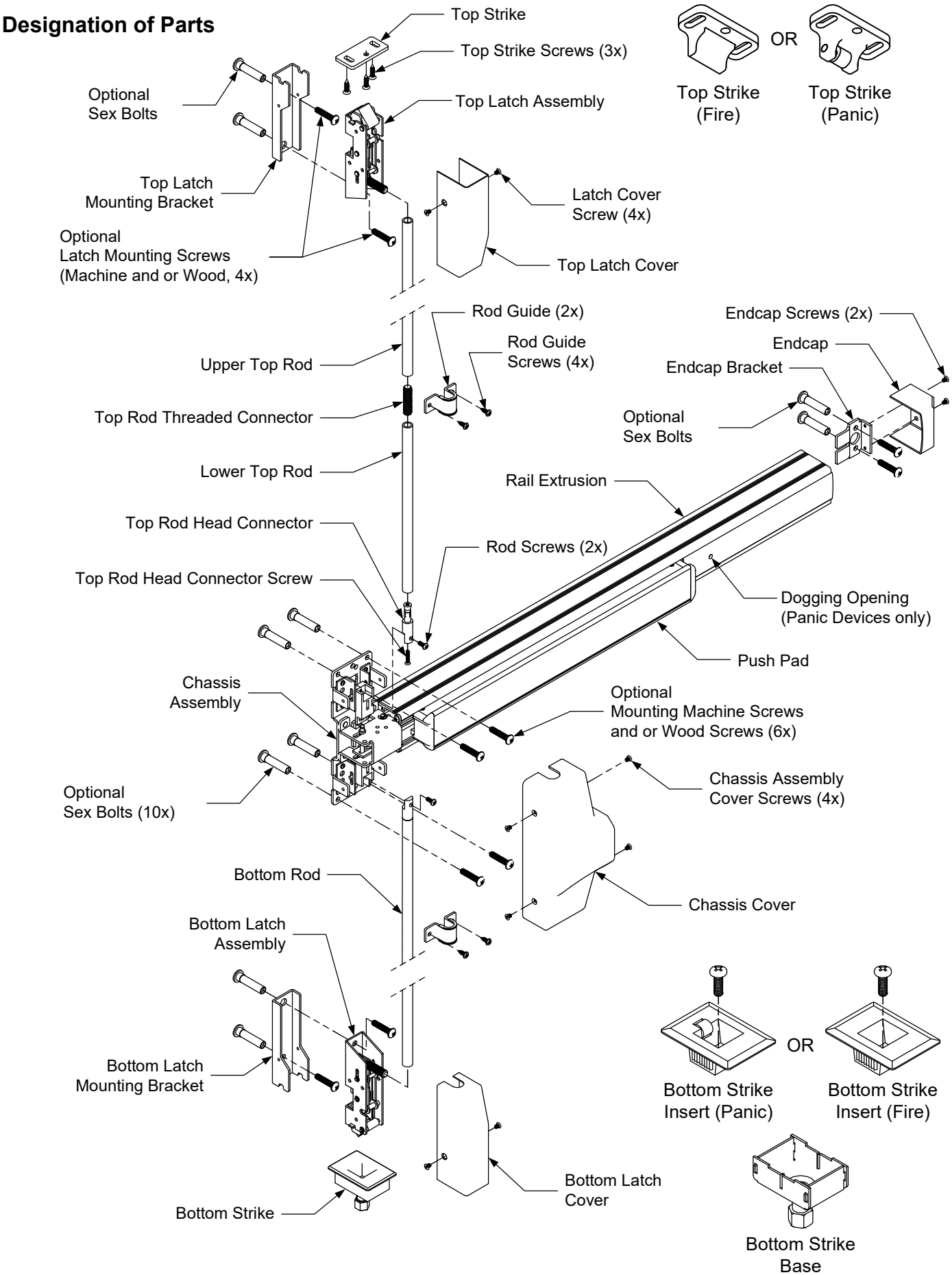


These instructions are presented in a step by step sequence.

Please read the entire instruction before installation.

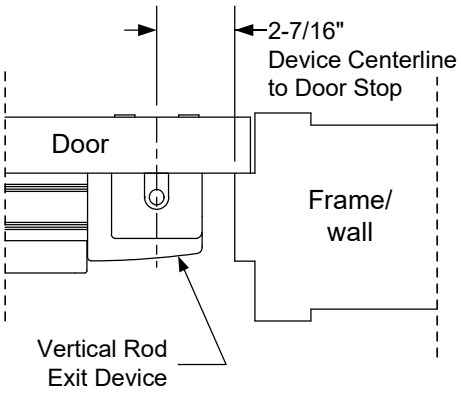
Any suggestions or comments to this instruction or product are welcome. Please contact us through our website or email engineer@sdcsecurity.com

Designation of Parts

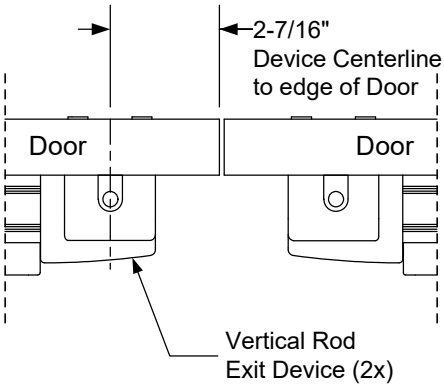


Type of Installation

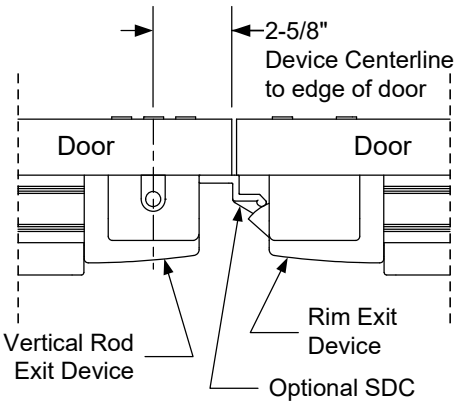
1. Single Door



2. Double Door with two Vertical Rod Devices

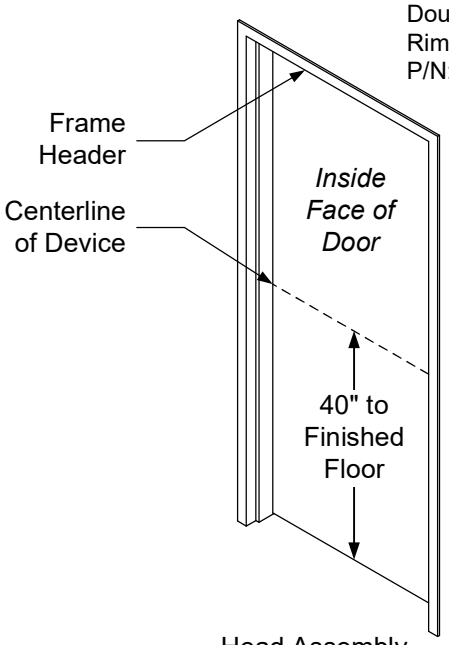


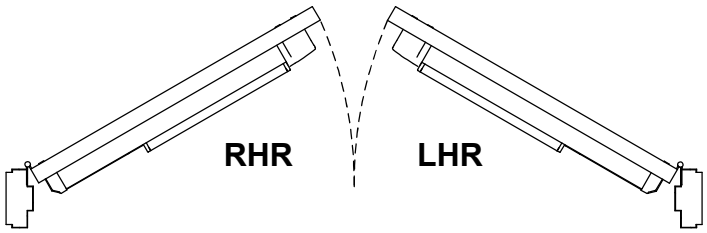
3. Double Door with one Vertical Rod Device and one Rim Device



Prep Door and Frame for Installation

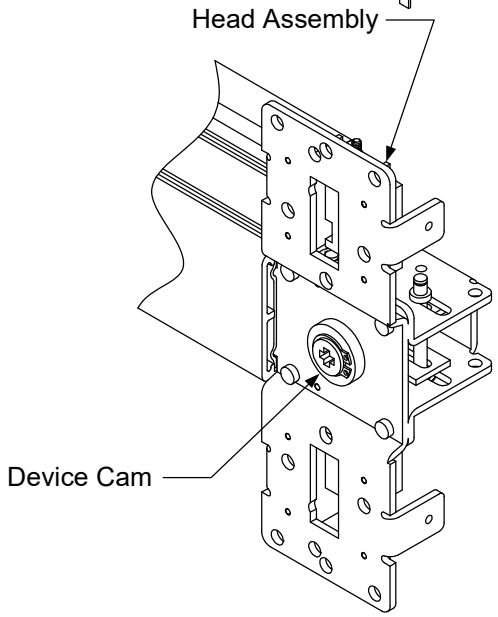
1. Draw a line across the door and frame stop 40" above the finished floor to mark the horizontal center line of the exit device.
2. Mark door, frame header, and floor/threshold for your specific device and door setup per supplied Template.
3. Drill holes as marked on door, frame header, and finished floor/threshold.





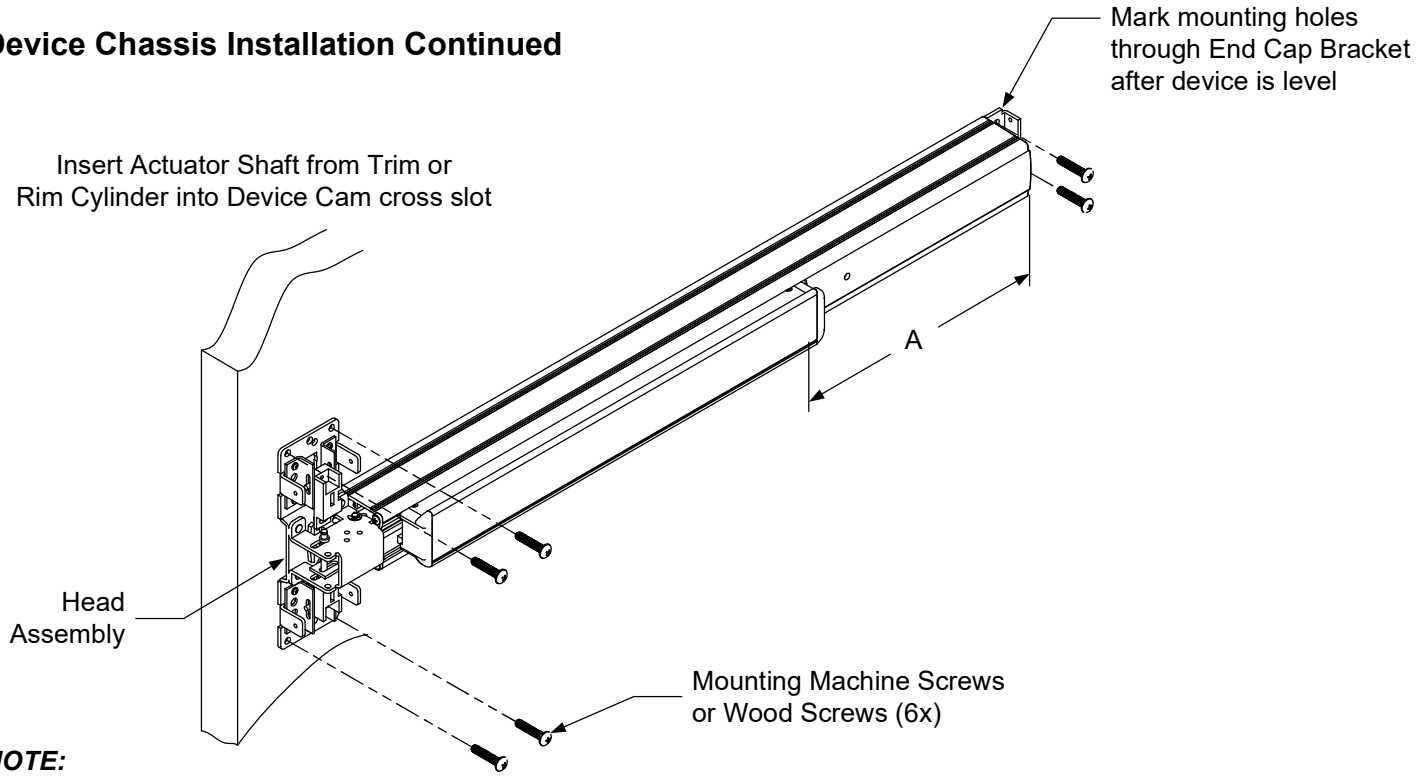
Device Chassis Installation

1. If installing on custom size door, refer to note on next page to determine Exit Device proper length cut.
2. Remove Chassis Cover
3. Fasten Chassis to do using the correlating method of securing (Sexbolts, trim, and or screws, etc.)
4. If present, make sure Cylinder Tailpiece or Trim Actuator Shaft can insert into Device Cam concentrically (see image at right).
5. Insert End Cap Bracket into tail-end of device, then screw to door.
6. Verify that all screws and or bolts are securely tightened.



Insert Actuator Shaft from Trim or Rim Cylinder into Device Cam cross slot

Device Chassis Installation Continued



NOTE:

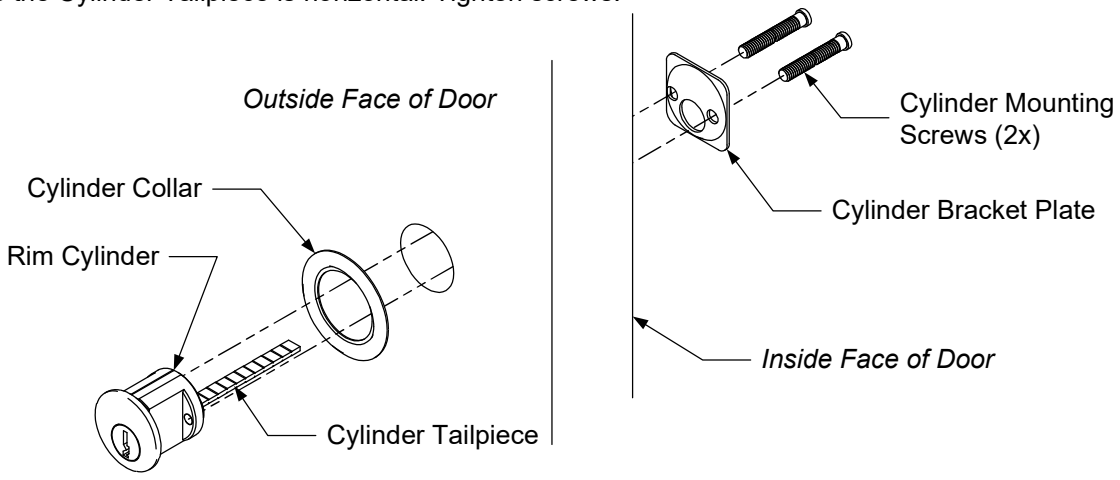
The Device bar has 3 different lengths;

Approx. 33" = Standard 36" (3') Door Device
Approx. 40" = Standard 42" (3.5') Door Device
Approx. 44" = Standard 48" (4') Door Device

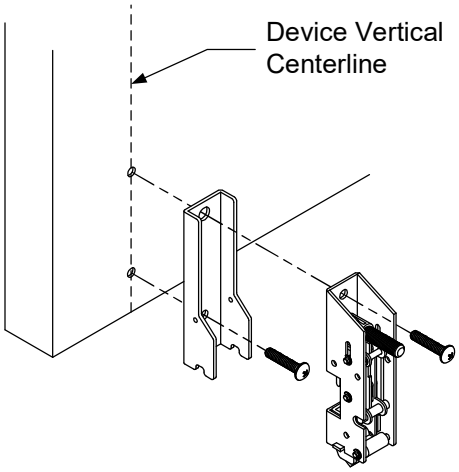
The bar lengths of devices are pre-cut for 36", 42" and 48" wide doors, no additional cutting is necessary. If narrower door installation is needed, cut device within length "A" leaving a 2" gap to edge of door for proper fit. Devices with any SDC electrification can't be cut down

Optional Rim Cylinder Installation (01 Function Exit Only)

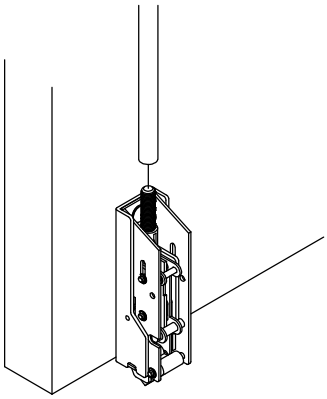
1. Drill one 1-1/2" diameter thru hole for the Rim Cylinder and Cylinder Bracket Plate.
2. Insert Rim Cylinder and Cylinder Collar from outside of door.
3. Place Cylinder Bracket Plate on inside face of door with indented side facing the Rim Cylinder.
4. Cut the Cylinder Mounting Screws and Cylinder Tailpiece to the required door thickness at break-off points.
5. Insert the two Cylinder Mounting Screws through the Cylinder Bracket Plate and into the Rim Cylinder, making sure the Cylinder Tailpiece is horizontal. Tighten screws.



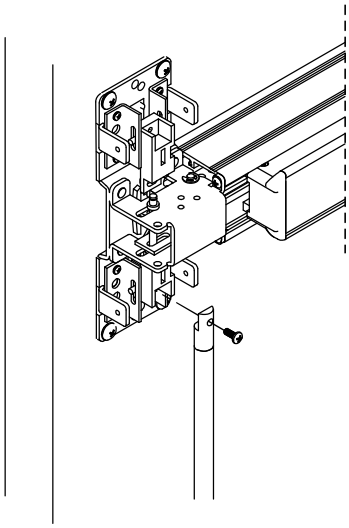
Install Bottom Latch Assembly and Rod



1. Mount the Bottom Latch Assembly to door according to supplied Template using Latch Assembly Mounting Screws.



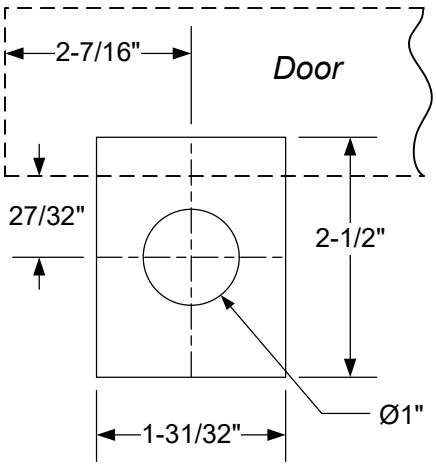
2. Screw Bottom Rod onto threaded connector on Bottom Latch Assembly.

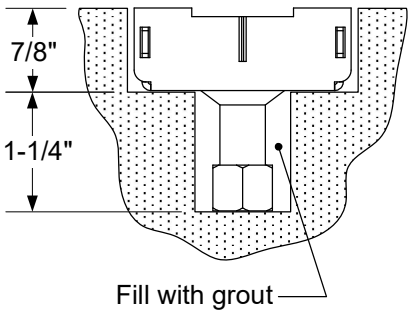


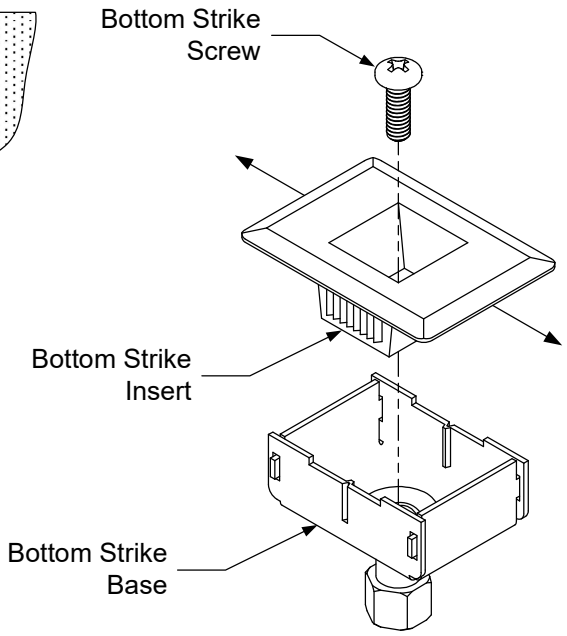
3. Attach Bottom Rod to Head Assembly using Rod Screw *(Note: the Push Pad should **not** be depressed and the Bottom Latch **not** retracted while making connection)*. If the hole on Bottom Rod does not align with the mounting hole in Chassis Assembly, adjust the length of Bottom Rod by screwing it in or out of Bottom Latch Assembly.

Install Bottom Strike

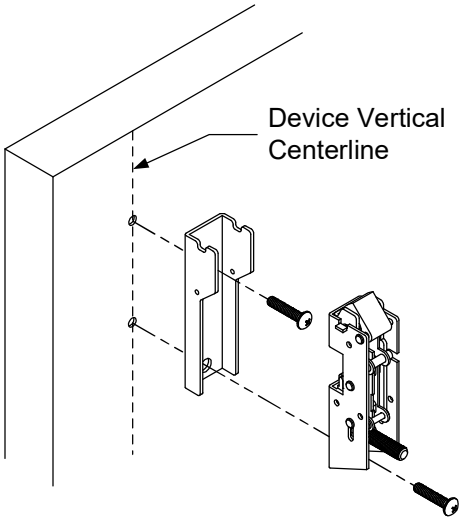
1. Cut out Bottom Strike recess according to supplied Template if not done so already.
2. Disassemble Bottom Strike Assembly.
3. Fill 1" diameter hole with grout before inserting Bottom Strike Base into recess.
4. Place Bottom Strike Insert into Bottom Strike Base. Close door to check Latch engagement. The Bottom Strike Insert can be adjusted forward or backward for proper Strike/Latch engagement.
5. Test operation by depressing Push Pad. Verify the following:
   a. The Bottom Latch can be retracted to be flush with the bottom edge of door.
   b. The Bottom Latch has a minimum throw distance of 19/32" to properly engage with the Strike.



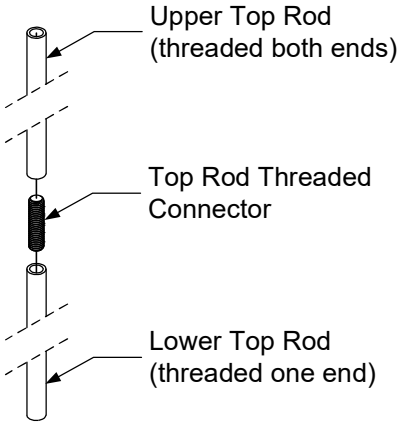




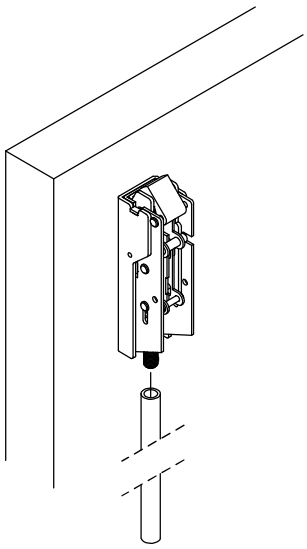
Install Top Latch Assembly and Top Rod



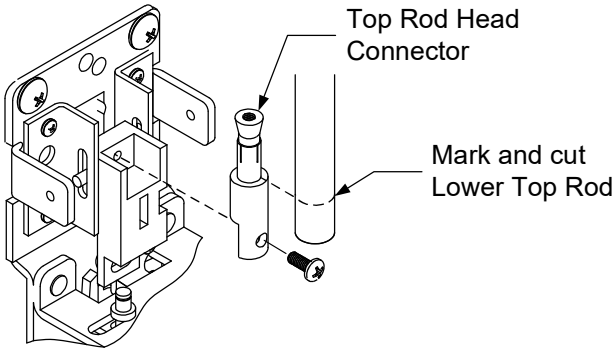
1. Mount the Top Latch Assembly to door according to supplied Template using Latch Assembly Mounting Screws.



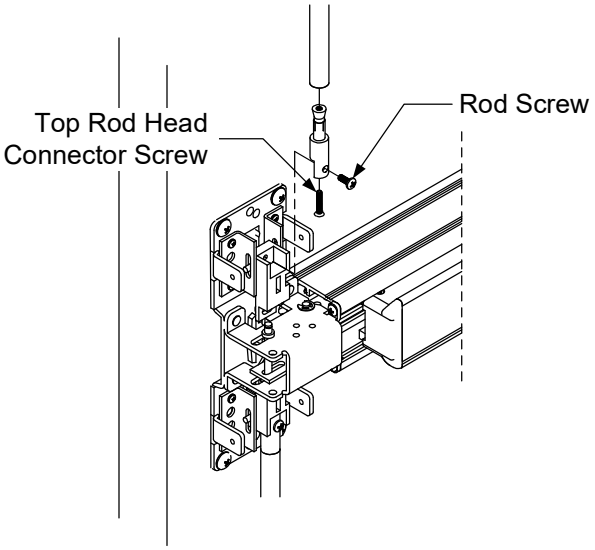
2. Connect the Upper and Lower Top Rods together using Top Rod Threaded Connector.



3. Screw assembled Top Rod into threaded connector on Top Latch Assembly.



4. Temporarily attach the Top Rod Head Connector to Head Assembly. Mark and cut the Top Rod so that the end is flush with the shoulder of the Top Rod Head Connector, as shown *(Note: the Push Pad should **not** be depressed and the Top Latch **not** retracted while marking and cutting)*.

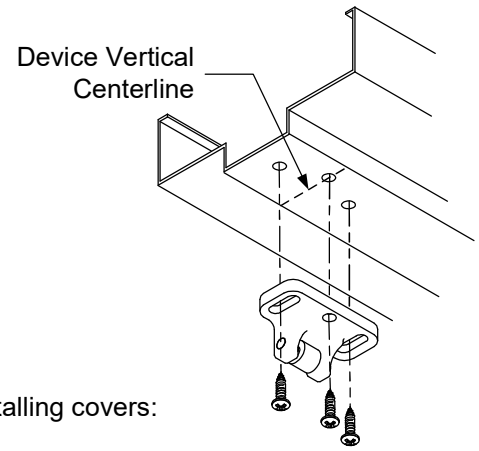


5. Insert Top Rod Head Connector into unthreaded side of the Lower Top Rod and secure with Top Rod Head Connector Screw. Attach Top Rod to Chassis Assembly using Rod Screw.

Install Top Strike

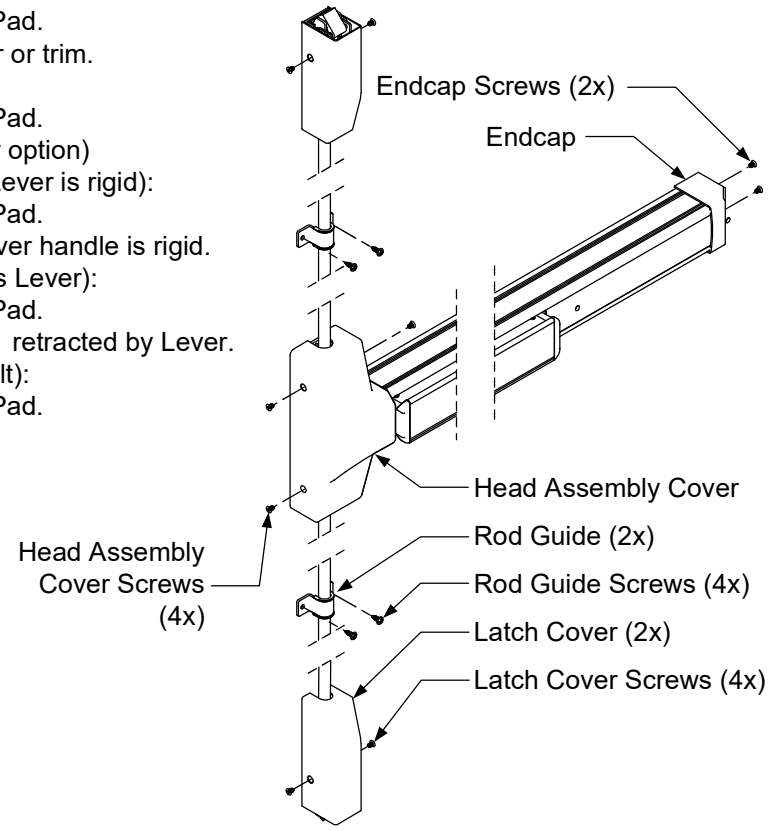
1. Mount the Top Strike to the Frame Header according to supplied Template using Top Strike Screws.

Note: Attach side screws first. Close the door and adjust the strike to properly engage with the Top Latch. Then secure the middle screw.



Test Operation and Install Covers

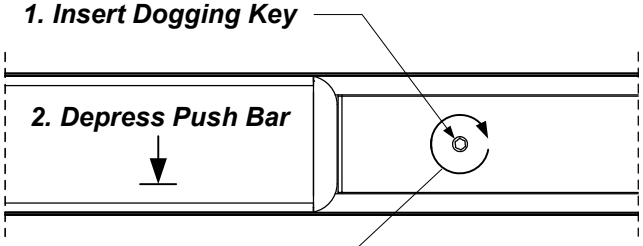
1. Test Push Pad & Trim operation depending on model function before installing covers:
   a. 01 Function Exit Only:
      - *Inside:* Latch bolt is retracted by Push Pad.
      - *Outside:* Optional Rim Cylinder / No lever or trim.
   b. 02 Function Dummy Trim:
      - *Inside:* Latch bolt is retracted by Push Pad.
      - *Outside:* Pull lever or handle (No cylinder option)
   c. 03 Function Night Latch (Key retracts lever / Lever is rigid):
      - *Inside:* Latch bolt is retracted by Push Pad.
      - *Outside:* Latch bolt is retracted by Key lever handle is rigid.
   d. 08 Function Classroom (Key Locks or Unlocks Lever):
      - *Inside:* Latch bolt is retracted by Push Pad.
      - *Outside:* Key unlocks Lever, Latch bolt is retracted by Lever.
   e. 14 Function Passage (Lever retracts Latch bolt):
      - *Inside:* Latch bolt is retracted by Push Pad.
      - *Outside:* Latch bolt retracted by Lever.
2. Test Dogging Function (Panic Devices only):
   See dogging description and chart below.
3. Verify Latch engagement with Strike.
4. Install Chassis Cover.
5. Install End Cap Cover.



H. Mechanical Dogging Operation (Panic Devices only)

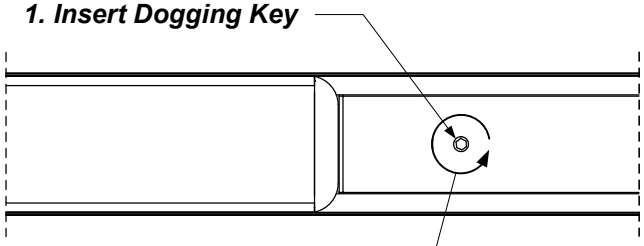
To increase the life of this device, dog device during high traffic periods of the day. See diagram below to operate Mechanical Dogging function.

Engage Dogging:



3. Rotate clockwise.
Push bar will remain depressed and latch will remain retracted.

Release Dogging:

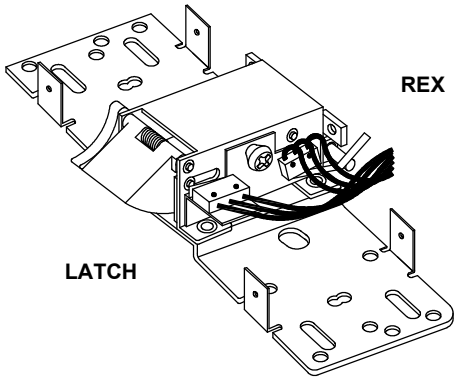


2. Rotate counter-clockwise.
Push bar will return to the up position and the latch will project to lock the door.

Optional Monitoring

R REX (Request-To-Exit)
- Red (N/O)
- Green (N/C)
- White (COM)

L Latch Status
- Brown (N/O)
- Blue (N//C)
- Black (COM)



Optional Electrification

E ELR (Electric Latch Retraction)
24VDC @ 1.5A Inrush / 200mA Holding
- Red (+)
- Black (-)

EM External Module ELR
24VDC @ 1.5A Inrush / 200mA Holding

G Electric Dogging (Non-Polarized)
24VDC @ .225mA Holding
- Black
- Black

B Alarmed Exit (Hardwired)
12/24VDC @ 20mA
- Red (+)
- Black (-)
- Yellow (N/O)
- Orange (N/C)
- White (COM)
- Blue (Inhibit)

*Refer to product installation Instructions for details