



PDQ 639401 R1 Exit Device Instruction Manual

[Home](#) » [PDQ](#) » PDQ 639401 R1 Exit Device Instruction Manual 

Contents

- [1 PDQ 639401 R1 Exit Device](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 PREPARE DOOR](#)
- [5 SIZE DEVICE](#)
- [6 INSTALL DEVICE](#)
- [7 INSTALL END CAP](#)
- [8 INSTALL TOP LATCH](#)
- [9 INSTALL TOP STRIKE](#)
- [10 ADJUST TOP ROD](#)
- [11 INSTALL BOTTOM LATCH](#)
- [12 INSTALL BOTTOM STRIKE](#)
- [13 ADJUST BOTTOM ROD](#)
- [14 INSTALL HEAD COVER AND LATCH COVERS](#)
- [15 INSTALL ROD GUIDES](#)
- [16 CUT TOP ROD](#)
- [17 Documents / Resources](#)
 - [17.1 References](#)



PDQ 639401 R1 Exit Device



Product Information

The 6300/6400V/VF Exit Installation Instruction SVR Device is a panic device designed for use in emergency exit doors. The device is available in standard lengths for 36 or 48-inch doors and can be cut to fit other door sizes. The device can be surface mounted to the door, through-bolted if using trim, and must be installed with the mounting bracket, top latch, top strike, bottom latch (optional), and bottom strike (optional).

The device is compatible with reinforced steel or aluminum doors, solid wood doors, and composite doors. It comes with a trim template for installation and requires drilling and tapping to install the chassis/case screws. The device is available with optional sex nuts for surface mounting, and VF devices must be bolted on wood or composite doors.

Product Usage Instructions

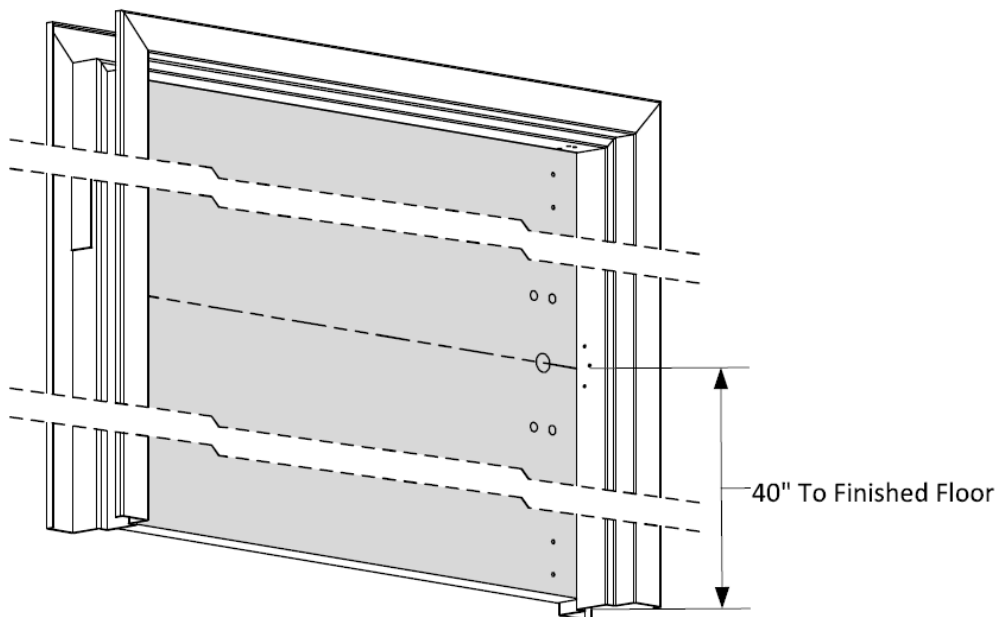
1. **Prepare Door:** Prepare the door, frame, and floor or threshold according to the trim template provided by the manufacturer. Refer to the trim template if installing trim.
2. **Size Device:** Standard lengths are available for 36 or 48-inch doors. Cut the device to fit other door sizes using a saw. The maximum cut-off length depends on the device type: Panic Fire Alarm MLR 36 Device 6 8 2 3 48 Device 12 14 8 9
3. **Install Device:** Install the device and trim with chassis/case screws (2 or 4 screws depending on device and trim type). Surface mount the device to the door using push side drill/tap for 1/4-20 if it is a reinforced steel or aluminum door or drill 1/8 pilot hole for #10 wood screw if it is a solid wood door. For all other doors, use optional sex bolts. Drill push side with 9/32 drill bit and pull side with 3/8 drill bit. VF devices must be through bolted on wood or composite doors.
4. **Install End Cap:** Slide the end cap into the rail and ensure that the rail is level. Mark the slots, remove the end cap, prepare holes using the chart from Step 3, and reinstall the end cap and fasten with screws.
5. **Install Top Latch:** Install the mounting bracket to the door with two 1/4-20 x 5/8 flat head screws. Install the rod using a pin as shown. Hang the latch from the pin in the mounting bracket and secure it using four #8-32 x 1/4 flat head screws.
6. **Install Top Strike:** Install the strike using two #10-24 flat head screws. Adjust the strike to secure the door. Install the third flat head locking screw by drilling and tapping for #10-24 after final adjustment is achieved.
7. **Adjust Top Rod:** Ensure that the top latch is in the unlatched position by lifting up then releasing the rod.

Depress the push bar and adjust the top rod connector by threading it in or out of the rod until it lines up with the screw hole in the device head. Secure the rod with #8-32 flat head screw.

8. **Install Bottom Latch:** Omit this step for LBR devices. Install the mounting bracket to the door with two 1/4-20 x 5/8 flat head screws. Install the latch into the mounting bracket, ensuring that the long pin is in the designated area, using the four #8-32 x 1/4 flat head screws. Install the rod and bottom bolt into the latch body ensuring screw and washer are facing the door.
9. **Install Bottom Strike:** Omit this step for LBR devices. Close the door and mark the center of the bottom bolt on the floor. Center the strike and mark the location of screw holes. Drill strike hole and anchor holes according to the template. Install plastic anchors into the floor. Install strike using two flat head screws.
10. **Adjust Bottom Rod:** Omit this step for LBR devices. Ensure that the top latch is in the unlatched position. While the top latch is in the unlatched position, adjust the bottom rod until it clears the strike by approximately 1/8". Install #8-32 flat head screw.

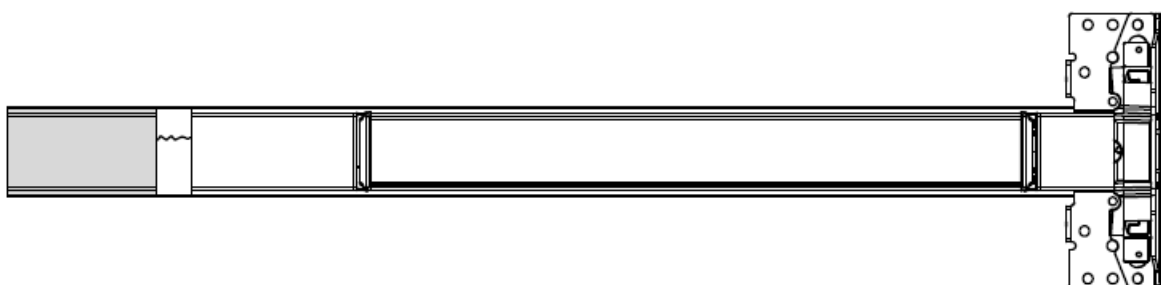
PREPARE DOOR

- Prepare door, frame and floor or threshold according to template.
- Refer to trim template if installing trim.



SIZE DEVICE

- Standard lengths are for 36" or 48" door. The device must be cut for other lengths.
- Mark length with tape – length equals desired door size subtracted from device size (for 30" door = cut 6" off 36" device) ensuring a square cut.



Maximum cut-off length:				
	Panic	Fire	Alarm	MLR
36" Device	6"	8"	2"	3"
48" Device	12"	14"	8"	9"

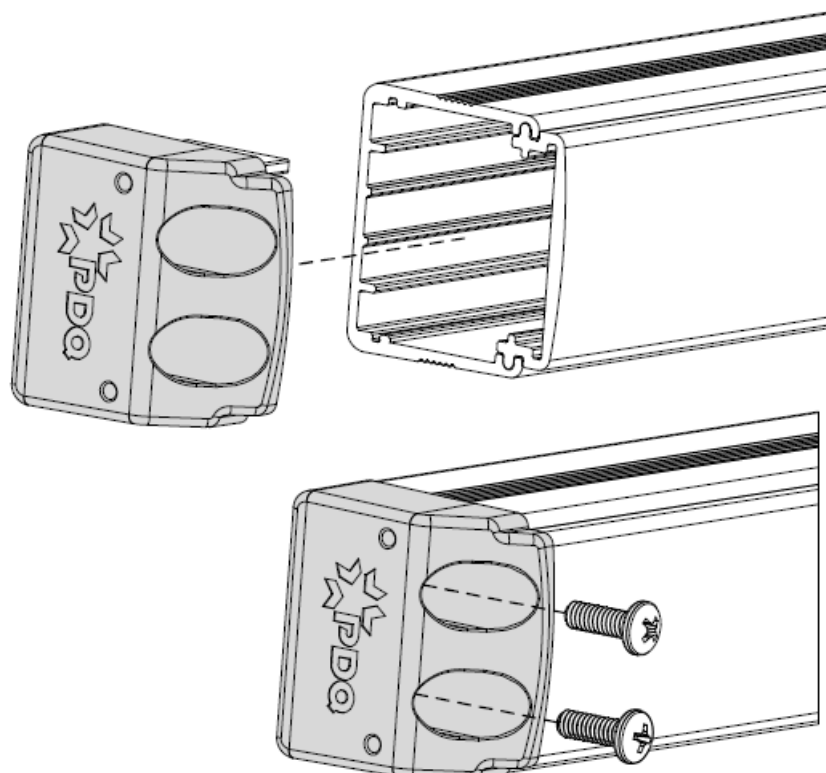
INSTALL DEVICE

- Install the device and trim with chassis/case screws (2 or 4 screws depending on the device and trim type).
- The device can be surface mounted to the door, optional sex nuts are available, the device is bolted if using trim.
- VF devices must be through-bolted on wood or composite doors.

Mounting Options:	
Reinforced Steel or Aluminum Door	Surface Mount: Drill/Tap push side for 1/4-20
Solid Wood Door	Drill 1/8" Pilot Hole for #10 Wood Screw
All Others	Use optional Sex Bolts. Drill push side with 9/32" drill bit. Drill pull side with 3/8" drill bit.

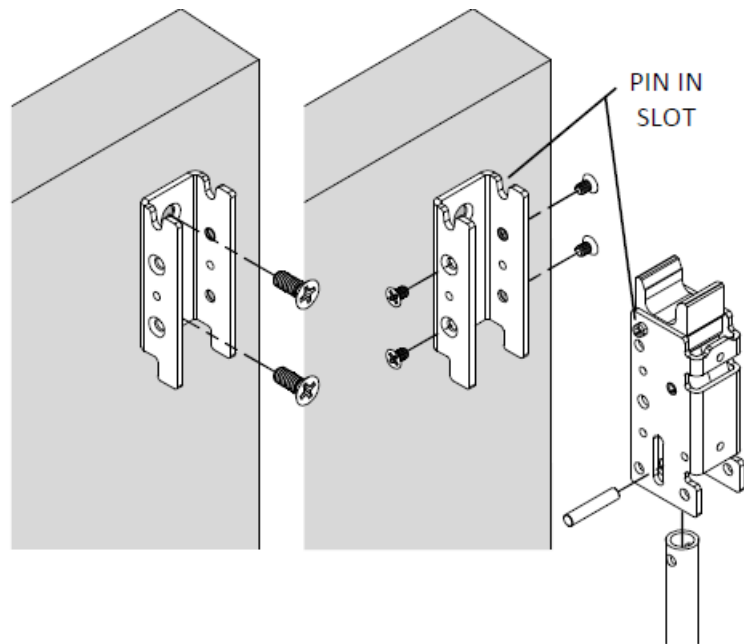
INSTALL END CAP

- Slide end cap into rail. Ensure rail is level. Mark the slots.
- Remove end cap and prepare holes using the chart from Step 3.
- Reinstall end cap and fasten with screws.



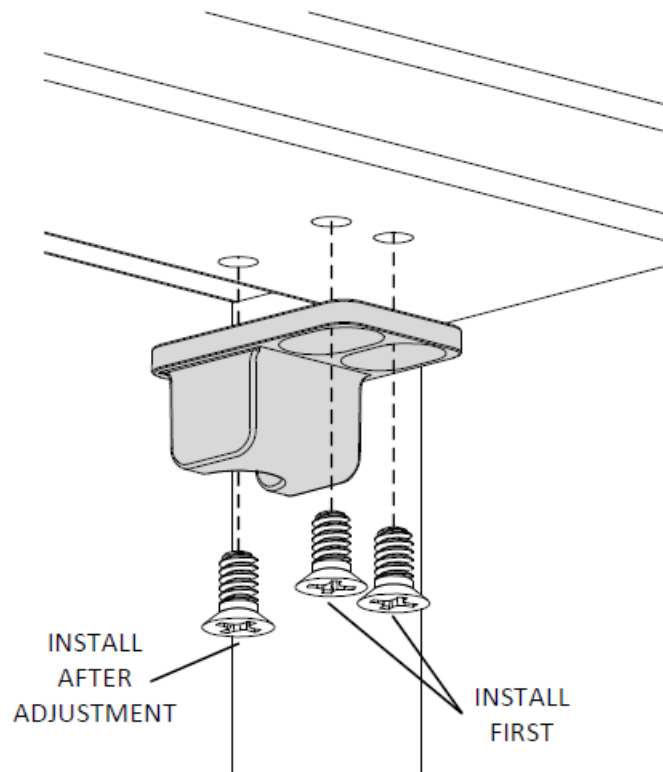
INSTALL TOP LATCH

- Install mounting bracket to door with two 1/4-20 x 5/8" flat head screws.
- Install rod using pin as shown.
- Hang latch from pin in mounting bracket, secure latch using the four #8-32 x 1/4" flat head screws.



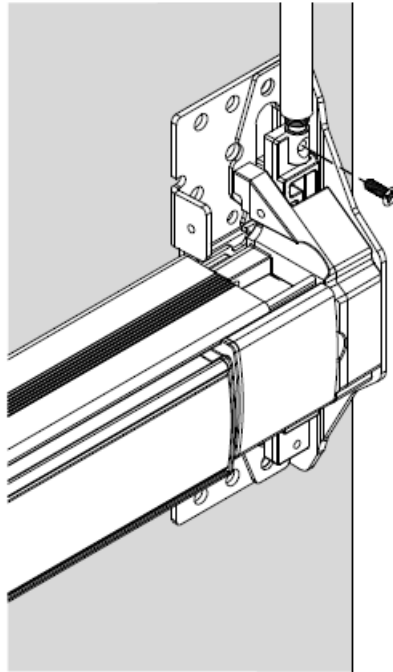
INSTALL TOP STRIKE

- Install strike using two #10-24 flat head screws.
- Adjust strike to secure door.
- Install third flat head locking screw by drilling and tapping for #10-24 after final adjustment is achieved.



ADJUST TOP ROD

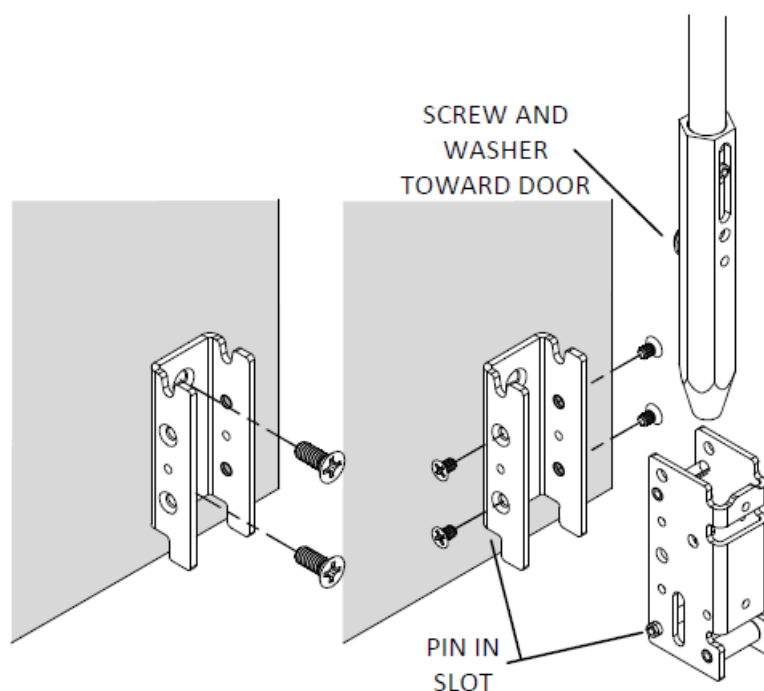
- Ensure top latch is in the unlatched position by lifting up then releasing the rod. Rod should remain up.
- Depress the push bar and adjust the top rod connector by threading it in or out of the rod until it lines up with the screw hole in the device head. **Do not manually lift the carriage.** Secure rod with #8-32 flat head screw.



INSTALL BOTTOM LATCH

*Omit this step for LBR devices.

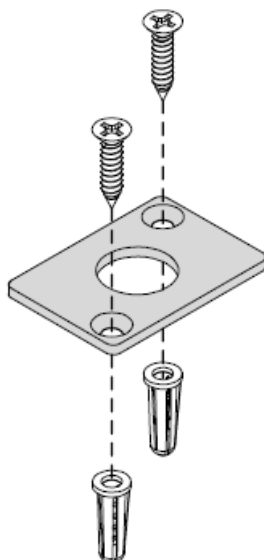
1. Install mounting bracket to door with two 1/4-20 x 5/8" flat head screws.
2. Install latch into the mounting bracket, ensuring the long pin is in the designated area, using the four #8-32 x 1/4" flat head screws.
3. Install rod and bottom bolt into latch body ensuring screw and washer are facing door.



INSTALL BOTTOM STRIKE

*Omit this step for LBR devices.

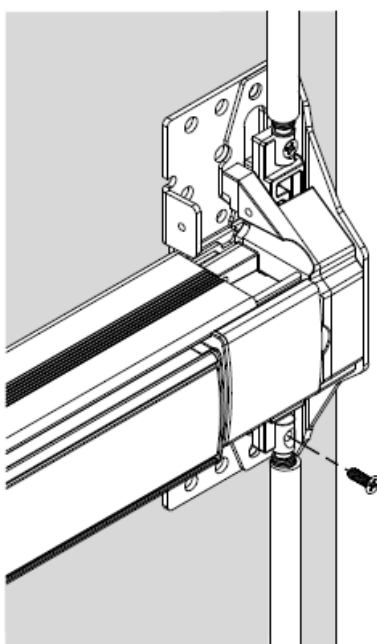
- Close door and mark center of the bottom bolt on floor.
- Center strike and mark location of screw holes.
- Drill strike hole and anchor holes according to template.
- Install plastic anchors into floor.
- Install strike using two flat head screws.



ADJUST BOTTOM ROD

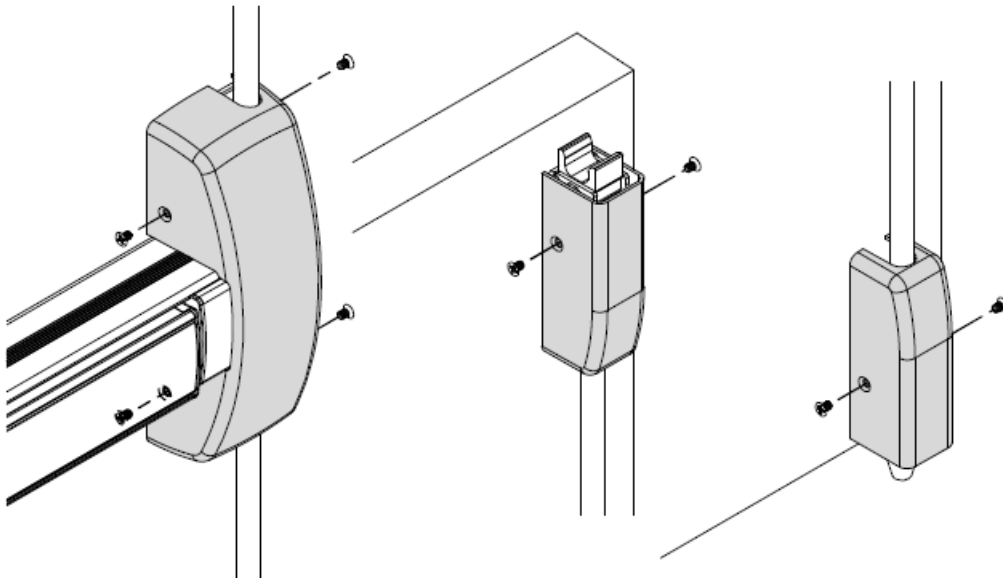
*Omit this step for LBR devices.

- Ensure top latch is in the unlatched position.
- While the top latch is in the unlatched position adjust the bottom rod until it clears the strike by approximately 1/8". Install #8-32 flat head screw.



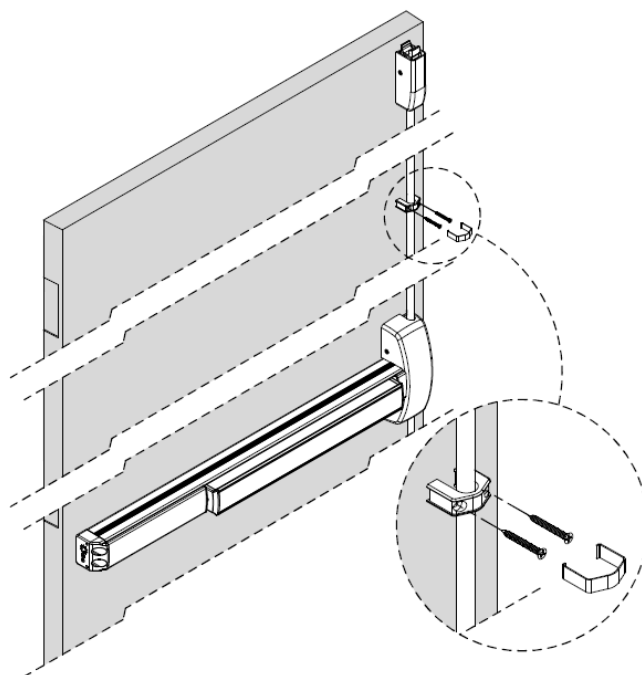
INSTALL HEAD COVER AND LATCH COVERS

- Install the headcover. Secure with four #8-32 x 1/4" flathead screws.
- Install latch covers, secure with two #8-32 x 1/4" flathead screws each.



INSTALL ROD GUIDES

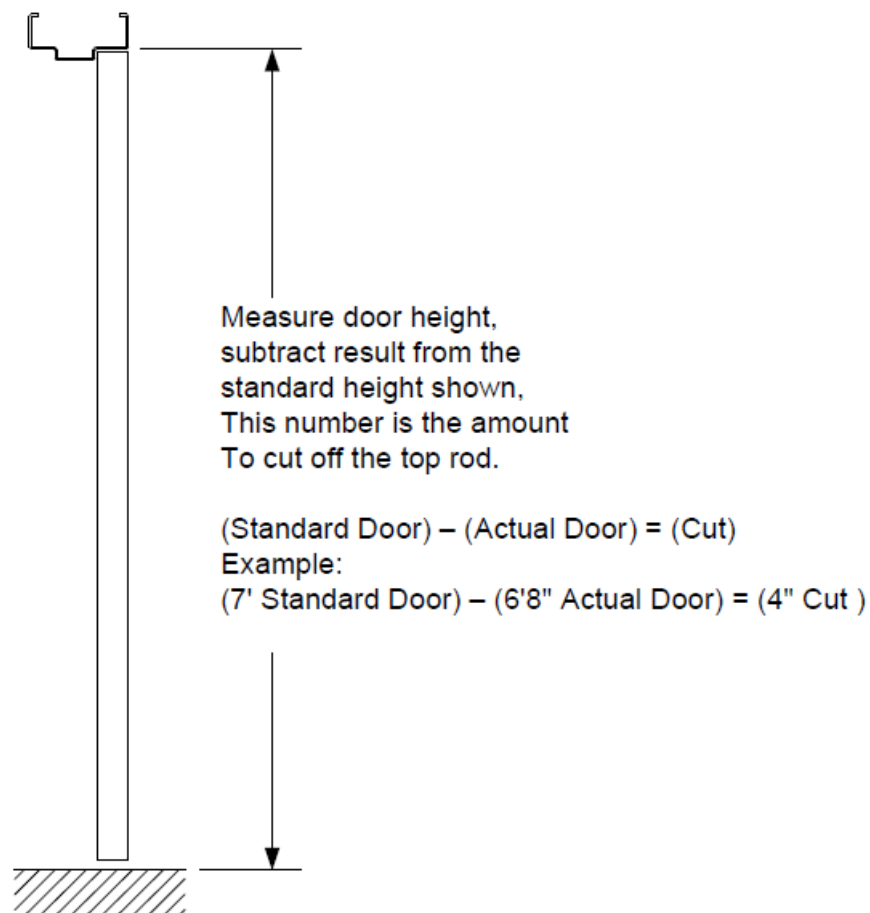
- Measure distance between latches and chassis head cover. Mark the centers.
- Using the rod guide as a template, mark the hole locations making sure the rod is centered in the guide and the guide is level.
- Pre-drill hole locations with a 1/8" drill bit.
- Install rod guides using the #8 flat head screws from screw pack 639045.
- Snap the rod guide cover over the rod guide.



CUT TOP ROD

Cutting is not required for standard 7', 8' or 10' doors.

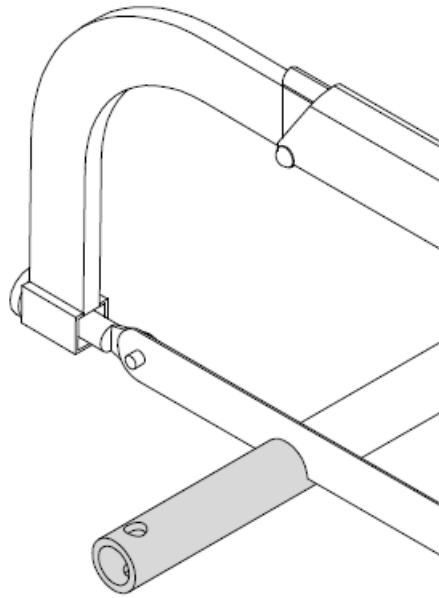
Calculate top rod cut.



*Standard Door Heights	
Shorter Rod (37-3/8")	7' (84")
Longer Rod (49-3/8")	8' (96")
Shorter Rod with 3' Extension	10' (120")

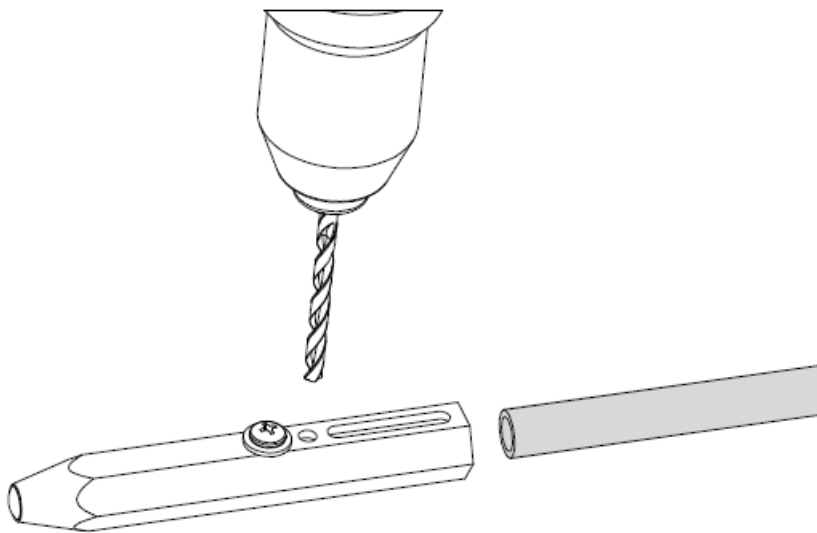
Cut rod.

****Cut only the cross-drilled end.****

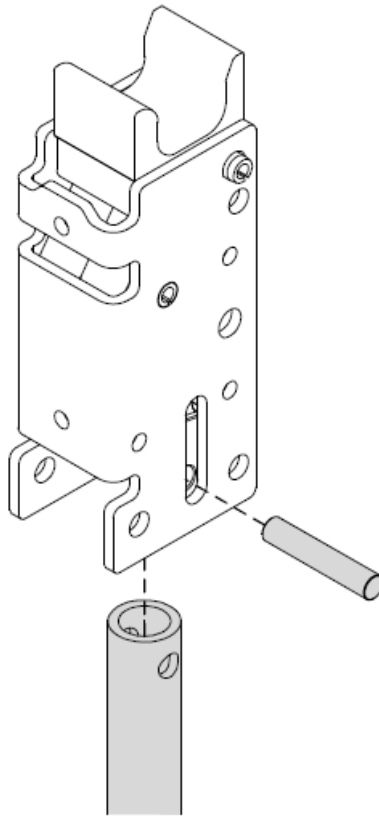


Drill new 3/16" hole.

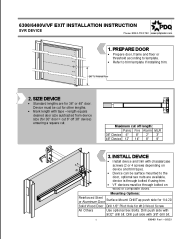
* Use the bottom latch bolt as a drill guide for new hole. If no bottom latch is present drill hole centered 1/4" from end of rod.



Install rod in top latch.



Documents / Resources

	<p>PDQ 639401 R1 Exit Device [pdf] Instruction Manual 639401 R1 Exit Device, 639401 R1, Exit Device, Device</p>
---	---

References

- [🌟 Home Page | PDQ](#)