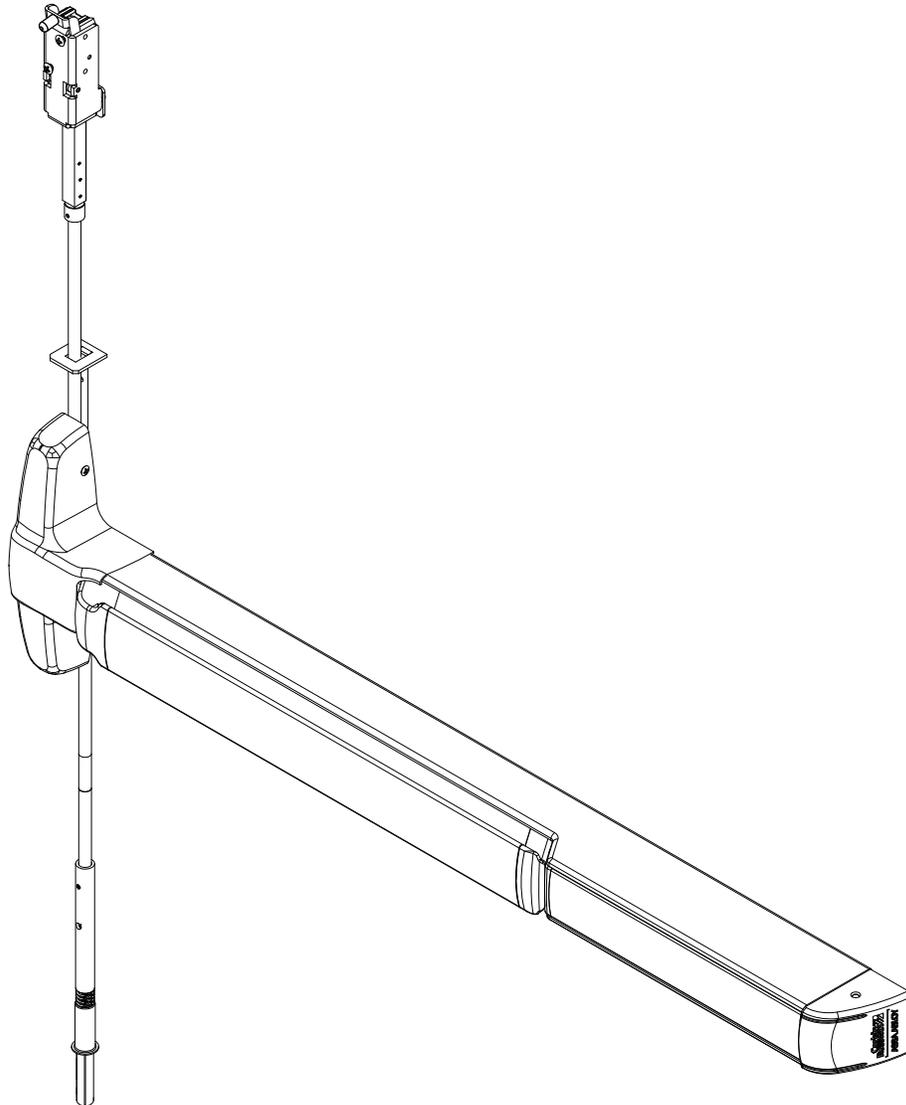


# Installation Instructions

## PED4800 Series (AD, MD, and A MD)

### Narrow Stile Concealed Vertical Rod Exit Devices



#### **WARNING**

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov).

#### **WARNING**

Attention Installer: Improper installation may result in damage to the product and void the factory warranty.

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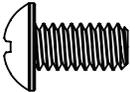
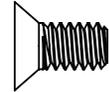
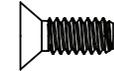
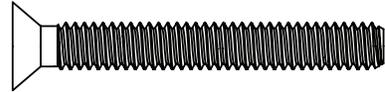
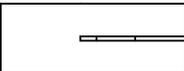
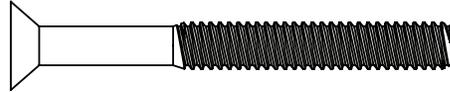
# PED4800 Series (AD, MD & A MD)

## Narrow Stile Concealed Vertical Rod Exit Device

### Installation Instructions



#### Screws used for PED4800 AD, PED4800 MD, and PED4800 A MD, Exit Device Installation

SCREW	TOTAL QTY SUPPLIED	WHERE USED
  <p>1/4"-20 X 1/2" ROUND HEAD MACHINE SCREW</p>	1	(1) CHASSIS TOP MOUNTING HOLE
  <p># 10-24 X 3/4" ROUND HEAD MACHINE SCREW</p>	3	(1) CHASSIS TO INNER CHASSIS BOTTOM MOUNTING HOLE (2) REAR MOUNTING PLATE
  <p># 10-24 X 3/8" OVAL HEAD MACHINE SCREW</p>	4	(2) TOP CASE (2) BOTTOM PLATE (IF AD)
  <p>1/4"-20 X 1/2" FLAT HEAD MACHINE SCREW</p>	2	(2) BOTTOM PLATE (MD OR FIRE RATED)
  <p># 10-24 X 1/2" U'CUT FLAT HEAD MACHINE SCREW</p>	5	(1) INNER CHASSIS TOP MOUNTING HOLE (2) 640 OR 650 STRIKE, TOP (METAL FRAME) (2) 640 OR 650 STRIKE, BOTTOM (METAL FRAME)
 <p># 10 X 1-1/4" FLAT HEAD WOOD SCREW</p>	2	(2) 650 STRIKE, TOP (WOOD FRAME) (2) 650 STRIKE, BOTTOM (WOOD FRAME)
  <p>1/4"-20 X 2" FLAT HEAD MACHINE SCREW W/ANCHOR</p>	2	(2) 606 BOTTOM STRIKE (FIRE RATED)
  <p>#8-32 X 5/16" W/ #6 OVAL HEAD MACHINE SCREW</p>	4	(2) CHASSIS COVER FRAME SIDE (2) END CAP
 <p>#8-32 X 5/8" W/ #6 OVAL HEAD MACHINE SCREW</p>	2	(2) CHASSIS COVER RAIL SIDE
 <p>1/4"-20 X 2-3/8" KNURLED FLAT HEAD MACHINE SCREW</p>	2	(2) EXIT TRIM (IF USED)

# PED4800 Series (AD, MD & A MD)

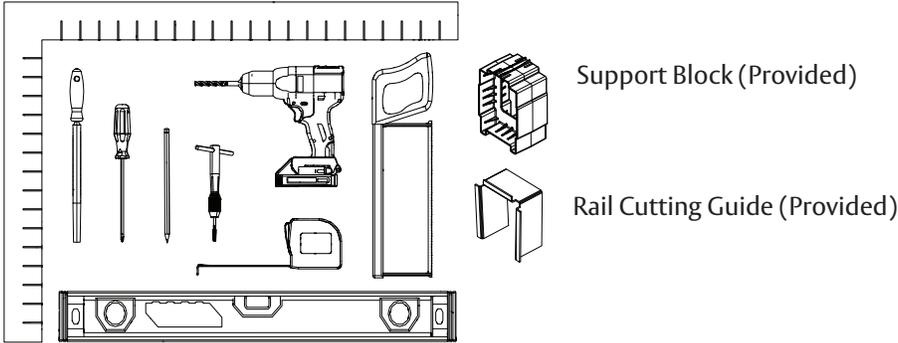
## Narrow Stile Concealed Vertical Rod Exit Device



### Installation Instructions

## Equipment Needed

### Tools



Support Block (Provided)

Rail Cutting Guide (Provided)

## Strike Packs

Strike Pack for PED4800 AD	Strike Pack for PED4800 MD	Strike Pack for PED4800 A MD
<p>640 TOP AND BOTTOM STRIKE</p> <p>STRIKE (2 REQUIRED)</p> <p>#10 X 1/2" PHILLIPS FLAT HEAD MACHINE SCREW (4 IN PACK FOR TOP AND BOTTOM STRIKE)</p>	<p>650 TOP AND BOTTOM STRIKE</p> <p>STRIKE (2 REQUIRED)</p> <p>#10 X 1/2" PHILLIPS FLAT HEAD MACHINE SCREW (2 IN PACK FOR TOP STRIKE)</p> <p>#10 X 1-1/4" PHILLIPS FLAT HEAD WOOD SCREW (2 IN PACK FOR BOTTOM STRIKE)</p>	<p>650 TOP STRIKE</p> <p>#10-24 X 1/2" PHILLIPS FLAT HEAD MACHINE SCREW (2 IN PACK FOR TOP STRIKE)</p> <p>606 BOTTOM STRIKE</p> <p>MACHINE SCREW AND ANCHOR (2 PIECES)</p>

\*Bottom Strike kits are not included with M55 option.



### Before installation:

1. Fit and hang door.
2. Check the box's label for the size of the exit device.



The surface of the door where the exit device is to be applied must be flush. Clear away any raised projections to allow exit device to rest on the flat surface of the door. If shim kit is required, contact your distributor.

Note: Please refer to trim and other installation instructions provided in the box.

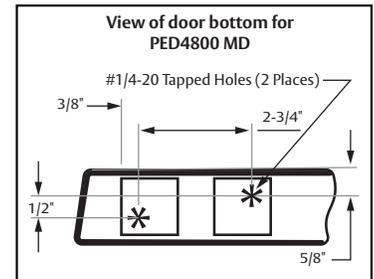
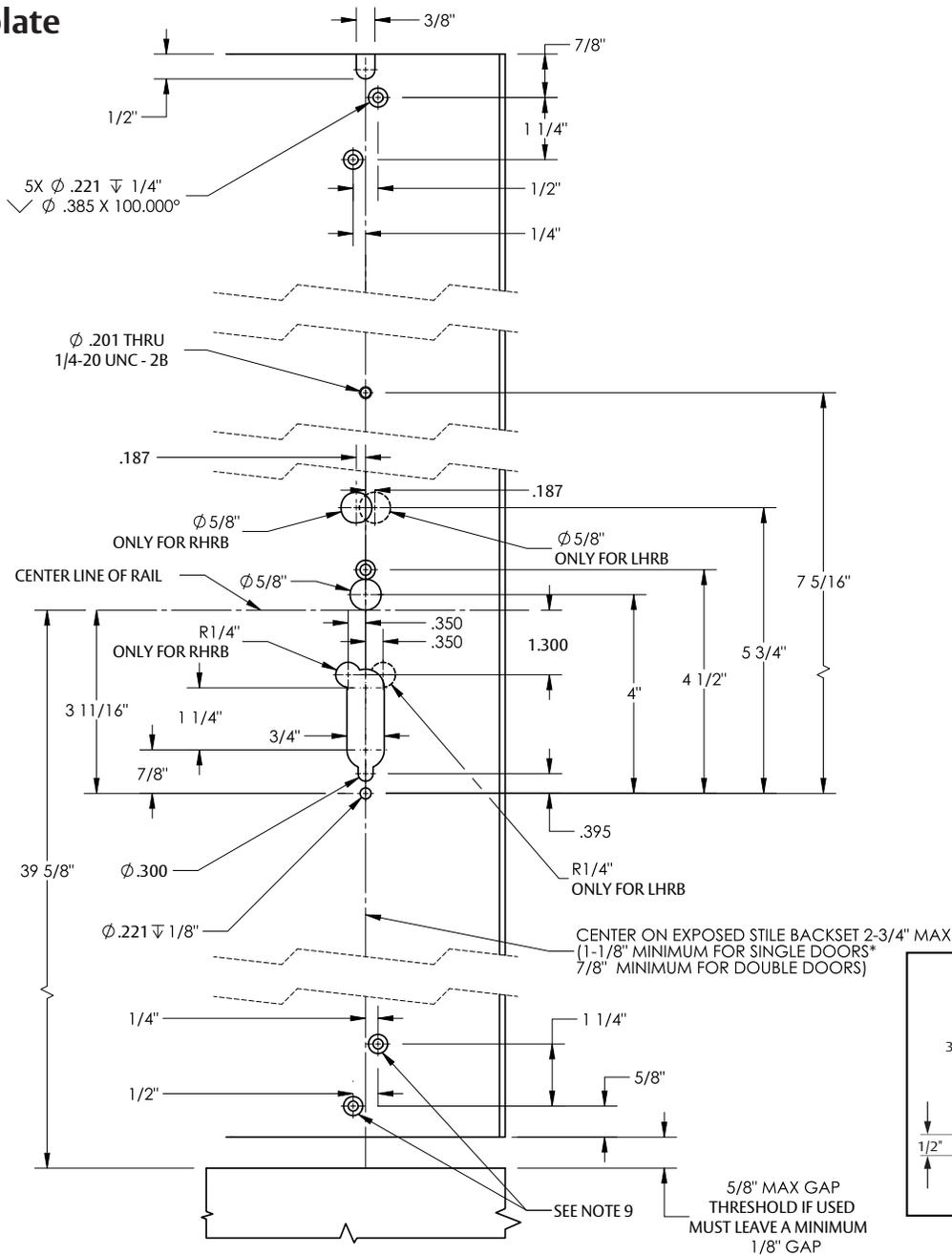
# PED4800 Series (AD, MD & A MD)

## Narrow Stile Concealed Vertical Rod Exit Device



### Installation Instructions

### Template



**NOTES:**

1. DOOR PREPARATION SHOWN FOR INSIDE DOOR ONLY.
2. IF OUTSIDE PULL AND/OR OUTSIDE CONTROL IS USED, SEE APPROPRIATE DOOR TEMPLATE FOR OUTSIDE DOOR PREP.
3. \*MIN BACKSET FOR SINGLE DOOR IS BASED ON 1/2" FRAME STOP, LARGER FRAME STOPS REQUIRE LARGER BACKSET.
4. SURFACE OF DOOR WHERE EXIT DEVICE IS TO BE APPLIED, MUST BE FLUSH.
5. WE RECOMMENDED THAT ALL TAPPED HOLES BE DRILLED AND TAPPED IN FIELD.
6. TOLERANCE ALL FRACTIONAL DIMENSIONS  $\pm 1/64"$ .
7. BOTTOM AND TOP STRIKES MUST BE USED, SEE STRIKE TEMPLATE NO. MEDT6.
8. SEE TEMPLATE NO. MEDT7 FOR AUX CONTROL IF REQ'D.
9. FOR DEVICES WITH NO BOTTOM ROD, HOLES FOR BOTTOM CASE ARE NOT REQUIRED.

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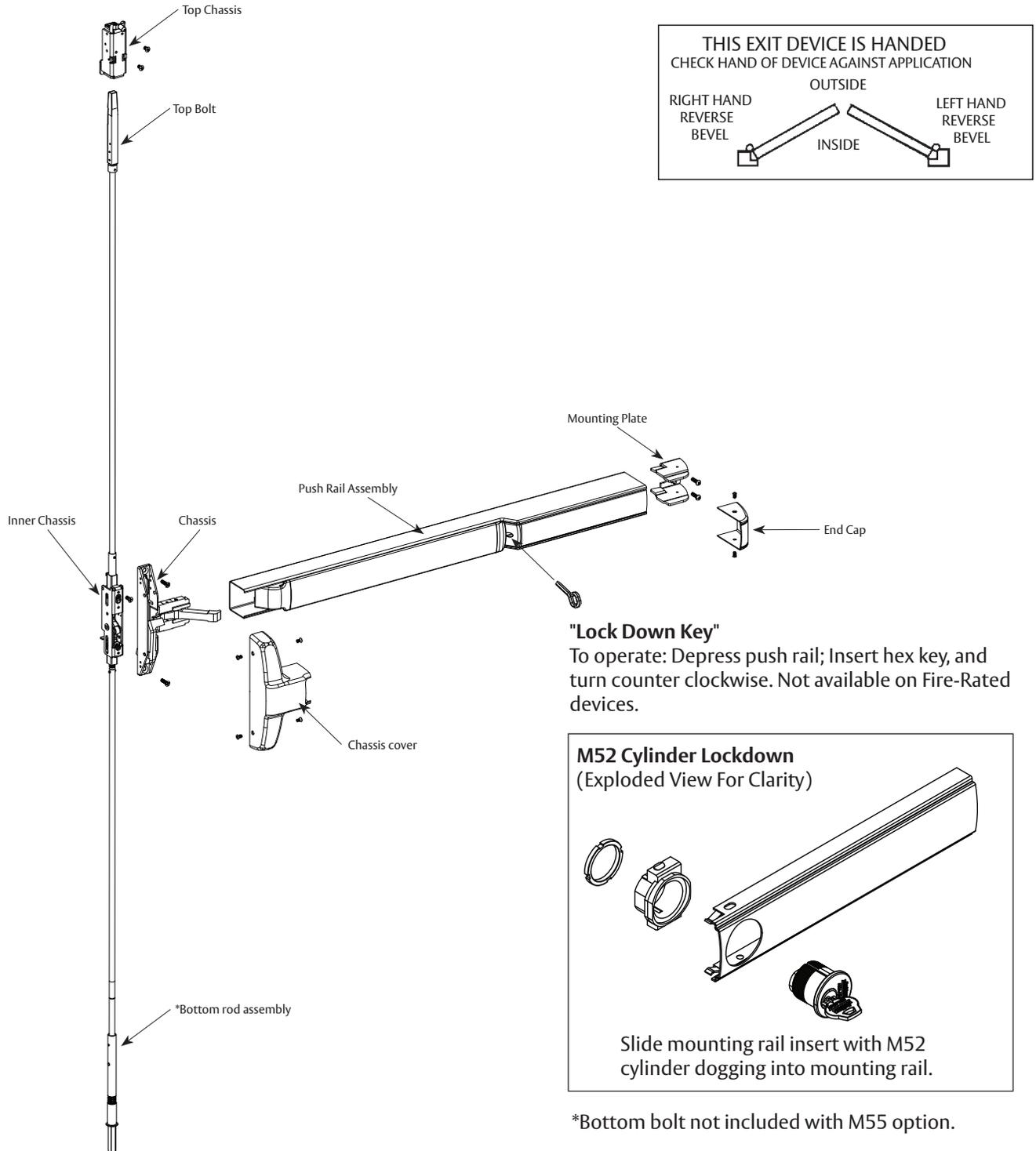
# PED4800 Series (AD, MD & A MD)

## Narrow Stile Concealed Vertical Rod Exit Device



### Installation Instructions

### Product Overview



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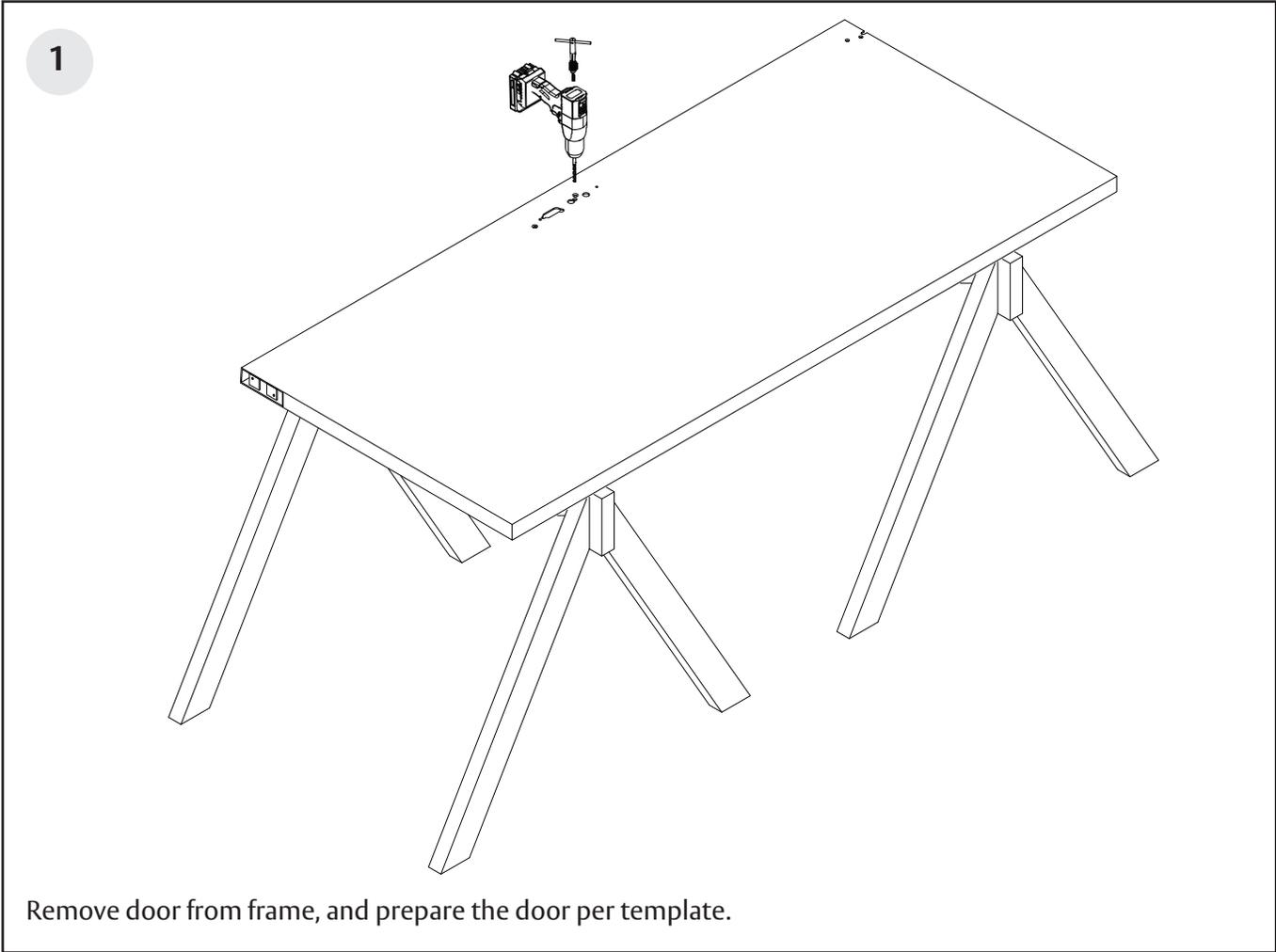
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# PED4800 Series (AD, MD & A MD)

## Narrow Stile Concealed Vertical Rod Exit Device

### Installation Instructions



Remove door from frame, and prepare the door per template.

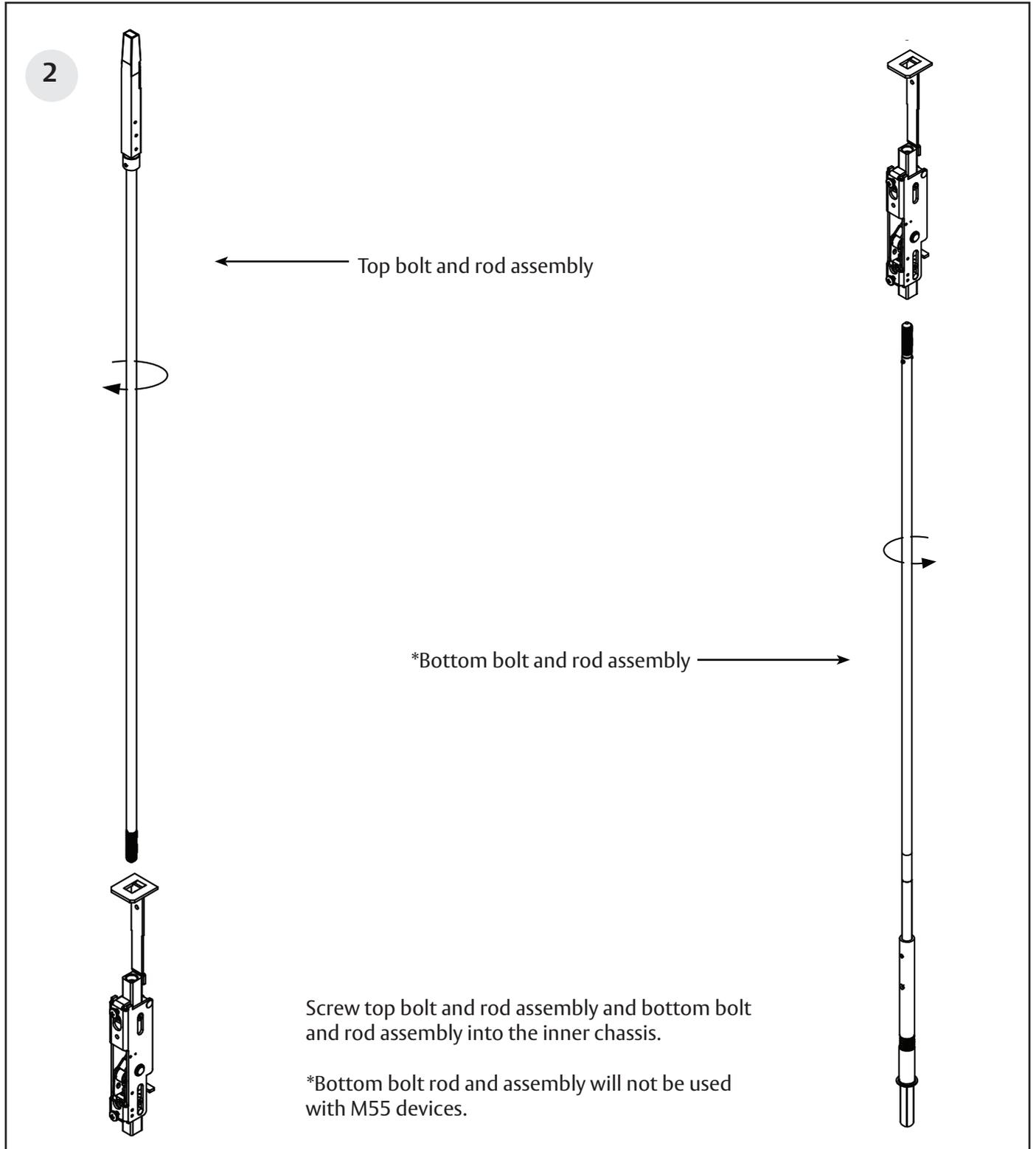
# PED4800 Series (AD, MD & A MD)

## Narrow Stile Concealed Vertical Rod Exit Device



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### Installation Instructions



# PED4800 Series (AD, MD & A MD)

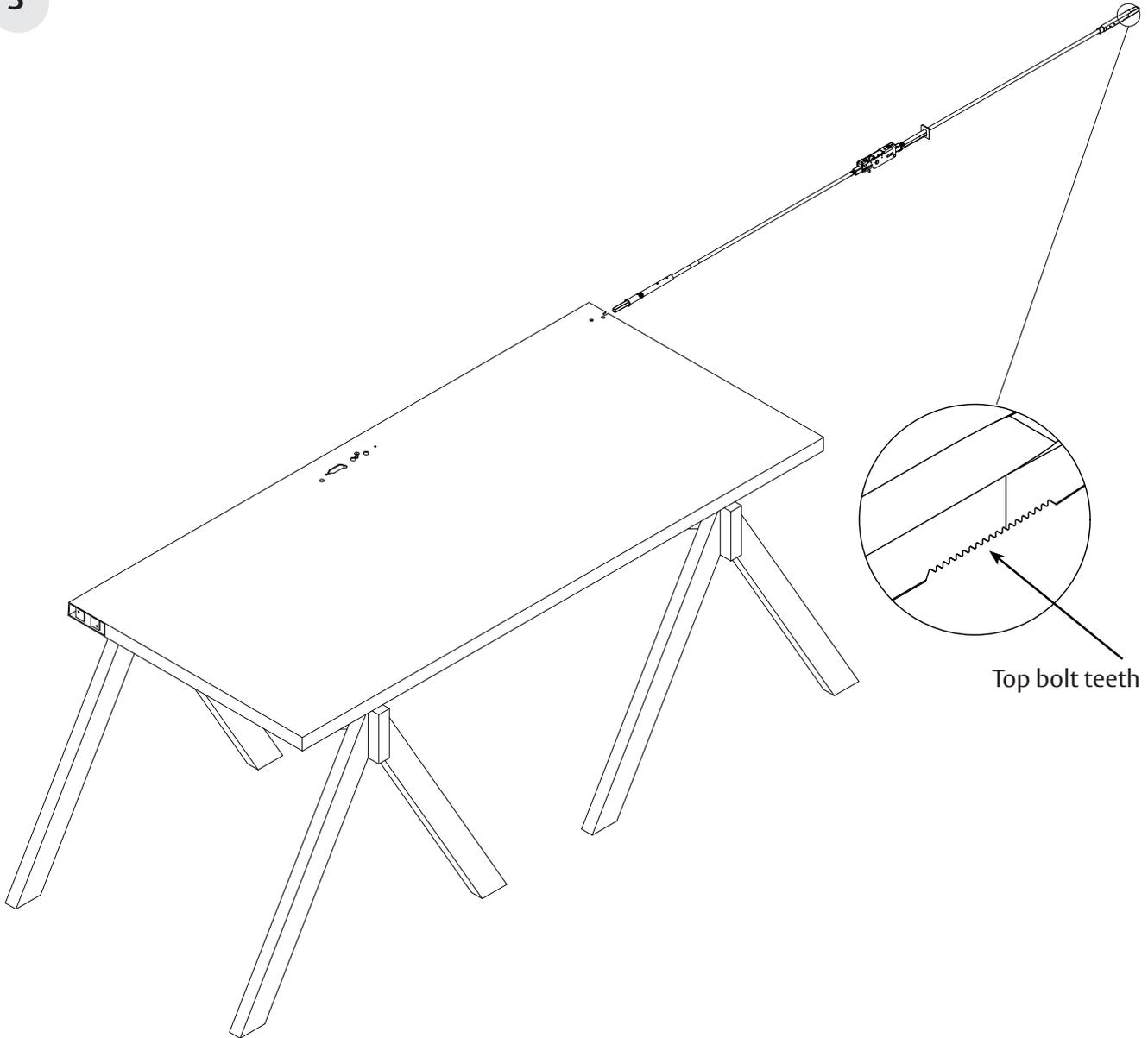
## Narrow Stile Concealed Vertical Rod Exit Device

### Installation Instructions



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3



Feed rod and inner chassis assembly into the door. Ensure teeth face down and top bolt teeth are opposite the inside door prep.

# PED4800 Series (AD, MD & A MD)

## Narrow Stile Concealed Vertical Rod Exit Device

### Installation Instructions



**4**

Attach inner case chassis to the door with (1) #10-24 x 1/2" flat head screw (EE). If PT Series ET trim is being used, it must be installed at this point. See trim installation instructions.

**5**

Position chassis and attach to inner chassis. Top chassis mounting screw is 1/4-20 x 1/2" (HH). Bottom chassis mounting screw is #10-24 x 3/4 (CC). **Do not fully tighten screws.**

# PED4800 Series (AD, MD & A MD)

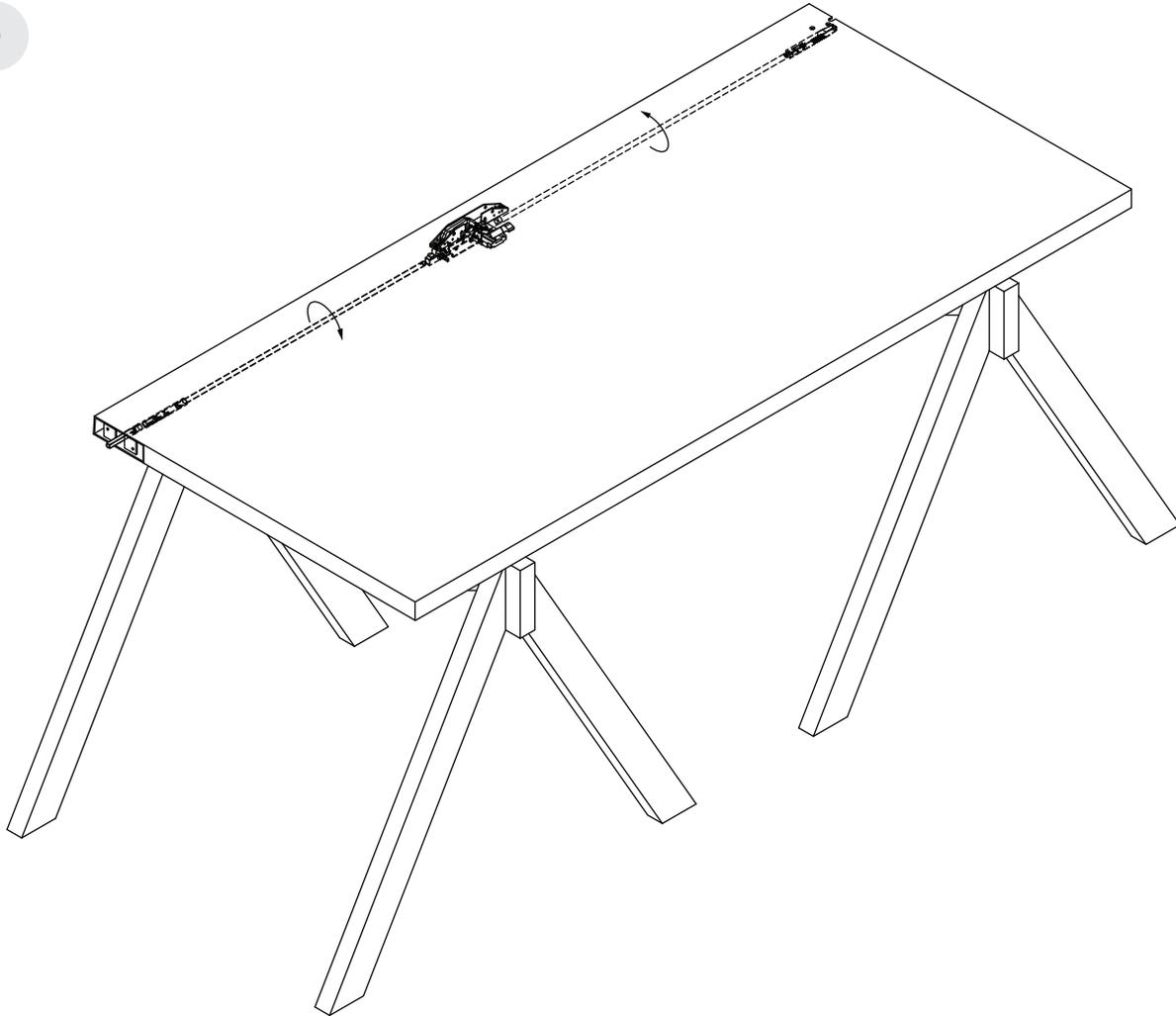
## Narrow Stile Concealed Vertical Rod Exit Device

### Installation Instructions



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#### Adjusting the top bolt and rod assembly

- 1/8" gap or less between door top and frame: Rotate bolt to make it even with the top of the door.
- 1/8" gap or greater: Bolt must extend above the door, equal to the gap, minus 1/8".

#### Adjusting the bottom bolt and rod assembly (Not needed for NB exit devices)

- 1/8" gap or less between door bottom and high point: Rotate bolt to make it even with the top of the door.
- 1/8" gap or greater: Bolt must extend below the door, equal to the gap, minus 1/8".

**Note:** Rod must be retracted while adjusting bolt projection. Depress chassis lift arm to retract top bolt and rod assembly.

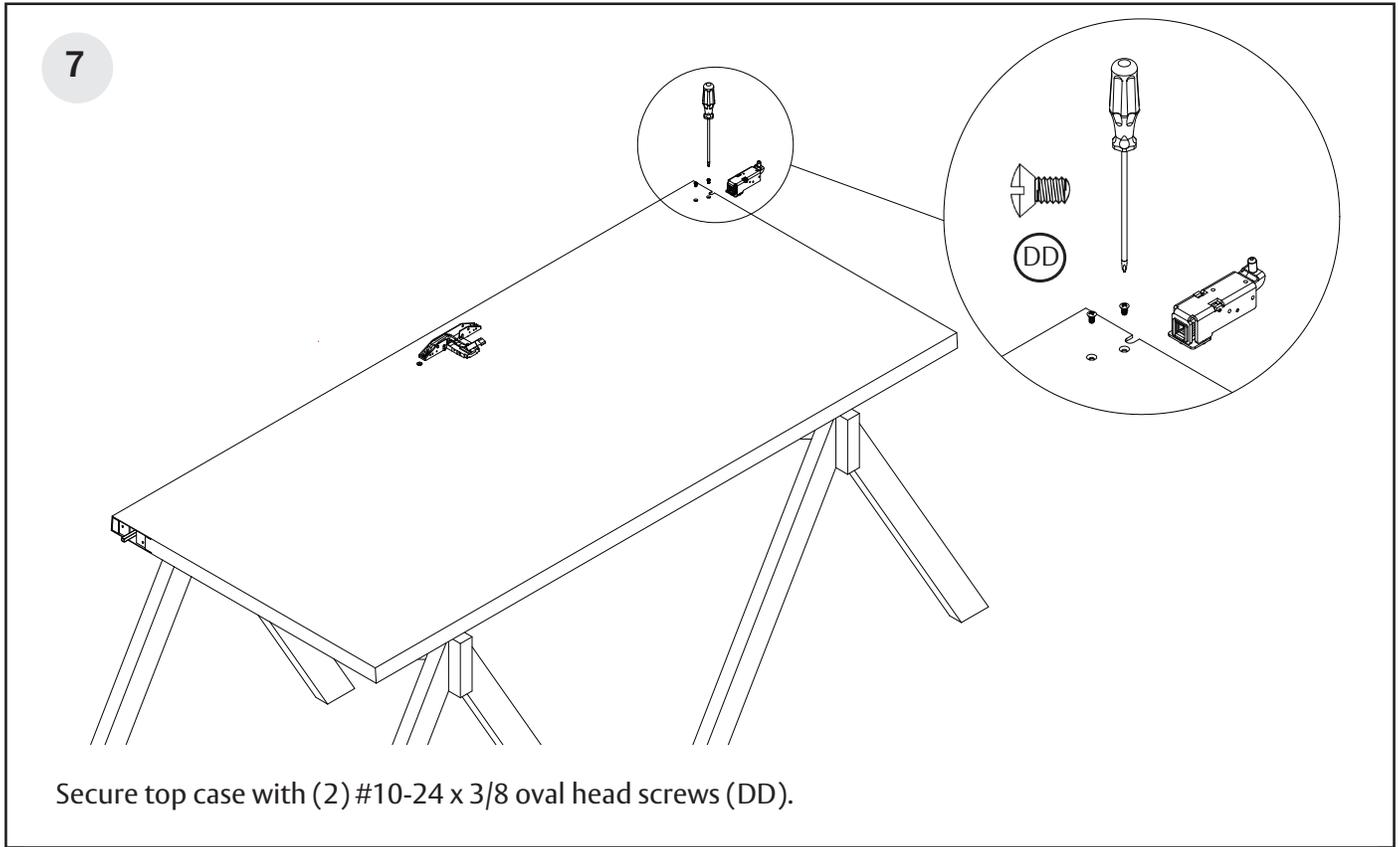
# PED4800 Series (AD, MD & A MD)

## Narrow Stile Concealed Vertical Rod Exit Device

### Installation Instructions



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# PED4800 Series (AD, MD & A MD)

## Narrow Stile Concealed Vertical Rod Exit Device

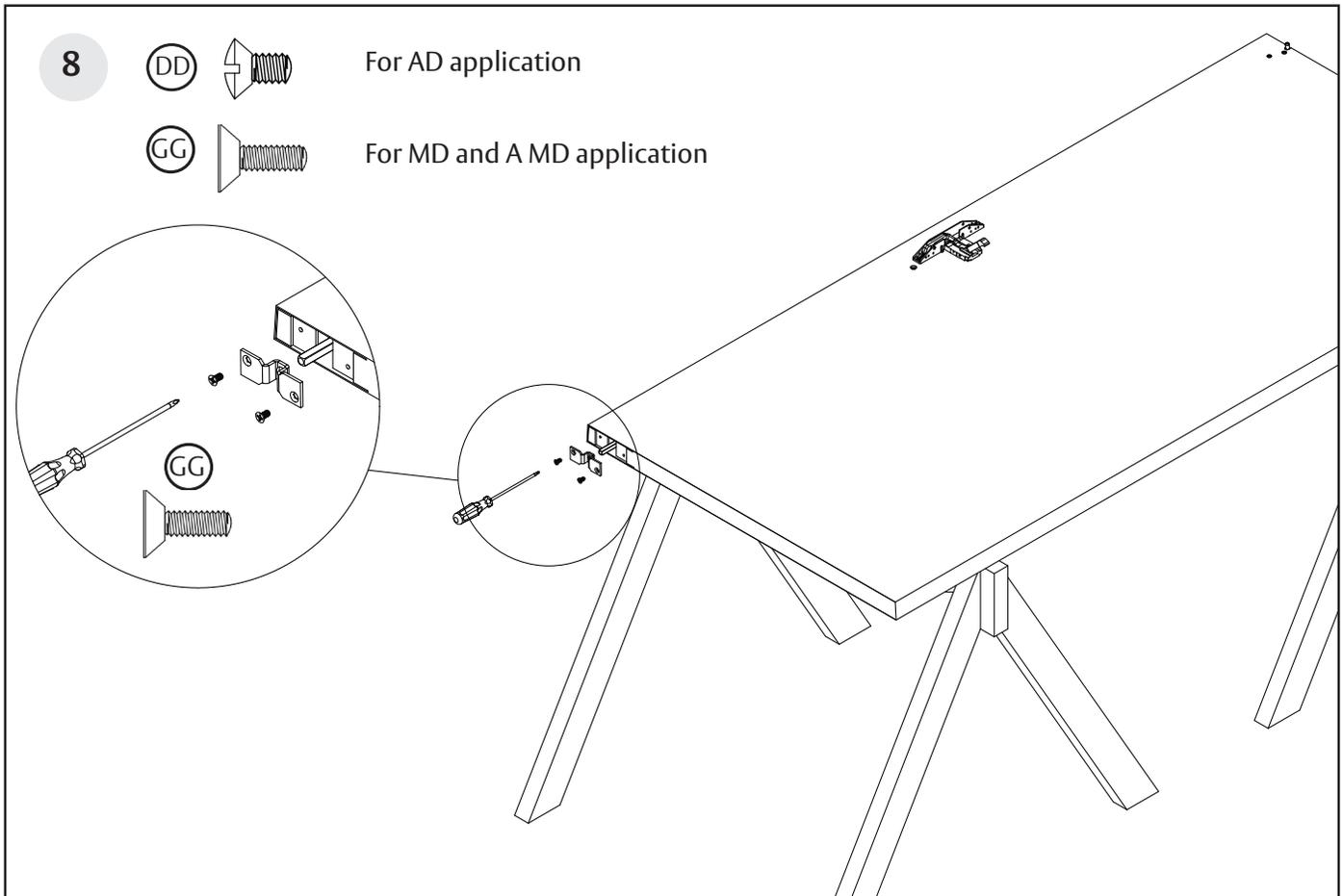
### Installation Instructions



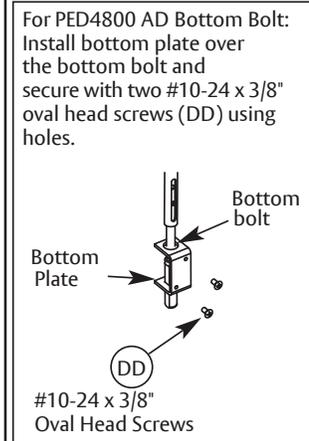
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**8**   For AD application

  For MD and A MD application

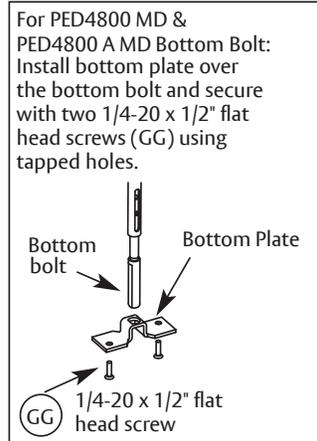


**For PED4800 AD Bottom Bolt:**  
Install bottom plate over the bottom bolt and secure with two #10-24 x 3/8" oval head screws (DD) using holes.



Bottom Plate  
Bottom bolt  
#10-24 x 3/8" Oval Head Screws (DD)

**For PED4800 MD & PED4800 A MD Bottom Bolt:**  
Install bottom plate over the bottom bolt and secure with two 1/4-20 x 1/2" flat head screws (GG) using tapped holes.



Bottom bolt  
Bottom Plate  
1/4-20 x 1/2" flat head screw (GG)

\*Bottom plate and screws not included with M55 option.

Install bottom bracket over the bottom bolt and secure with two 1/4-20 x 1/2" flat head screws (GG).  
For PED4800 AD use (2) #10-24 x 3/8" oval head screws (DD) on the face of the door.

# PED4800 Series (AD, MD & A MD)

## Narrow Stile Concealed Vertical Rod Exit Device

### Installation Instructions



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- For PED4800 MD & PED4800 A MD: Attach 650 strike to frame with (2) #10-24 x 1/2" flat head screws (EE).
- For PED4800 AD: Attach 640 strike to frame with (2) #10-24 x 1/2" flat head screws (EE).

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- For PED4800 MD & PED4800 A MD: Attach 650 bottom strike to floor with anchors and supplied fasteners.
- For PED4800 A MD: Attach 606 bottom strike to floor with anchors and supplied fasteners.
- For PED4800 AD: Attach 640 strike to threshold with supplied fasteners.

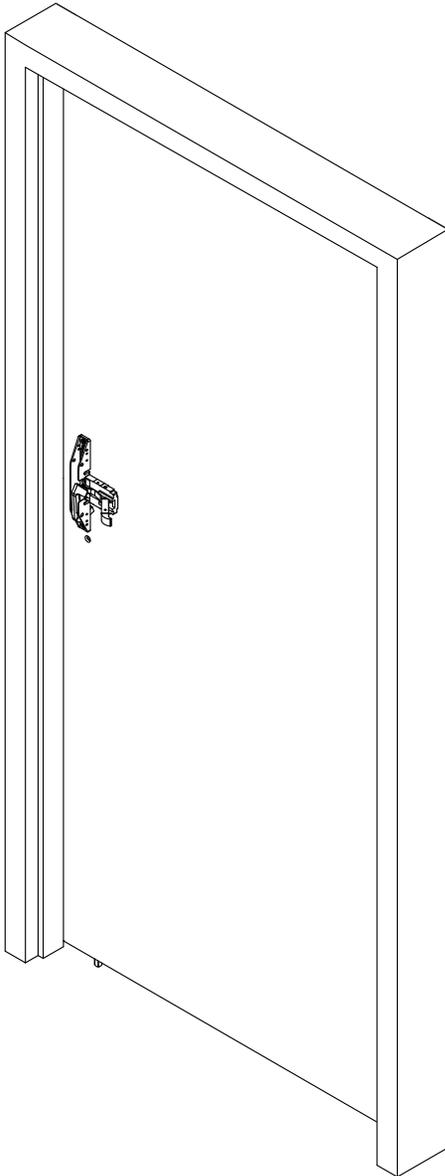
# PED4800 Series (AD, MD & A MD)

## Narrow Stile Concealed Vertical Rod Exit Device

### Installation Instructions



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Re-install door into the frame.

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# PED4800 Series (AD, MD & A MD)



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## Narrow Stile Concealed Vertical Rod Exit Device

### Installation Instructions

#### Rail cutting guide

If the rail doesn't need to be cut, continue to page 17, step 12.

If the rail must be cut, follow these steps on page 15 and 16:

Refer to the individual exit device installation instructions for rail cutting requirements / restrictions. Instructions will vary based on device type and options.

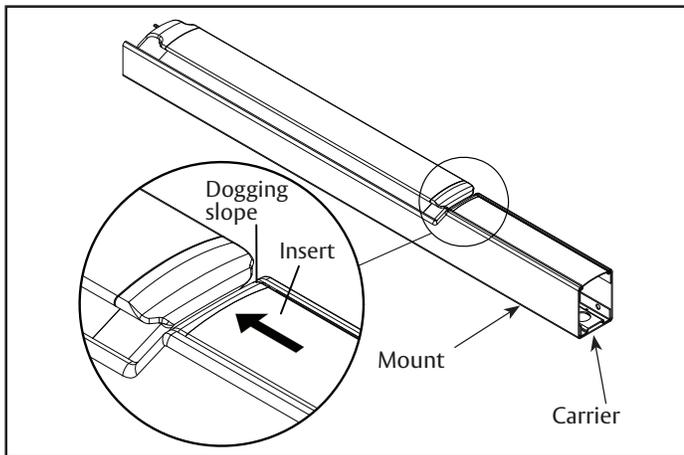
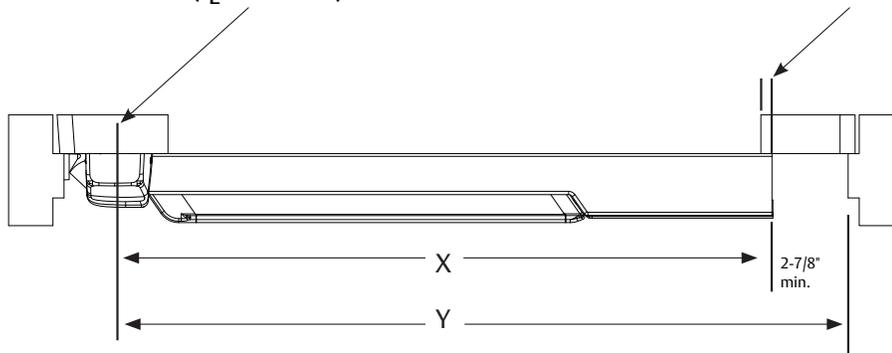
- Determine cut off dimension "X" by subtracting 2-7/8" from dimension "Y". Mark cut off point on mounting rail. (See below.)

Information for Cutting Rails		
Rail Sizes	Door Widths	
	Standard	Minimum
W032	32"	24"
W036 (Std.)	36"	33"
W042	42"	37"
W048	48"	43"

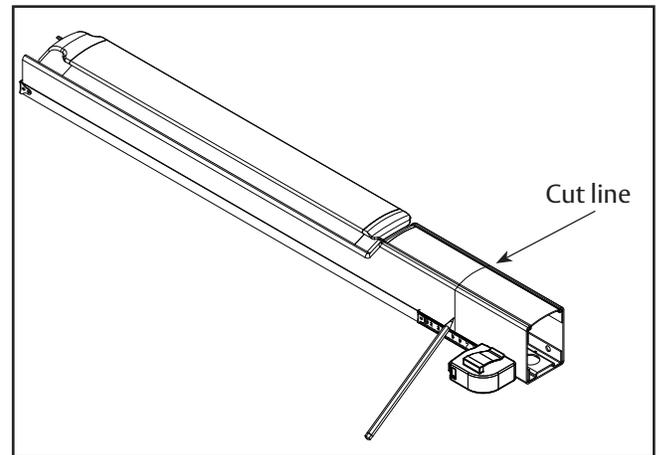
Do not cut closer than 1-5/8" from the the front edge of the rail insert.

Vertical reference line (Q of chassis)

For doors with stile rail, the stile must overlap by 5/16" min.



A. Ensure there isn't a gap between the insert and the dogging slope, and the carrier is flush with the mount.



B. Mark rail at the required cut length.

# PED4800 Series (AD, MD & A MD)

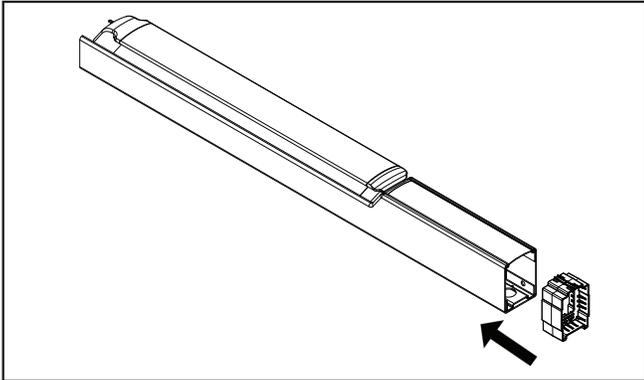
## Narrow Stile Concealed Vertical Rod Exit Device



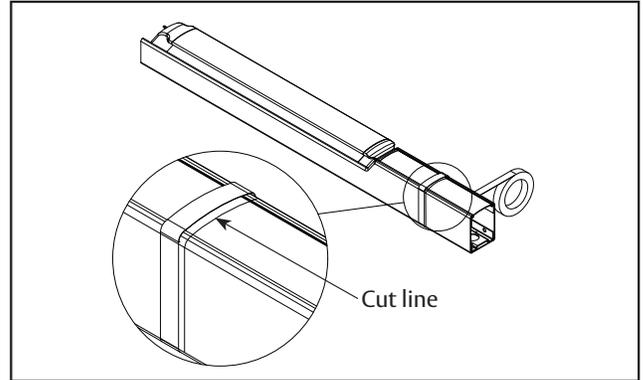
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### Installation Instructions

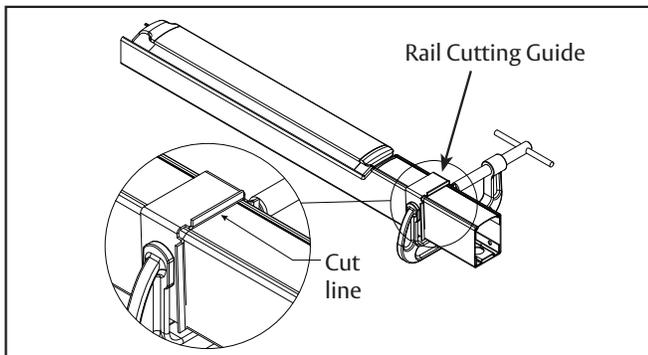
#### Rail cutting guide, continued.



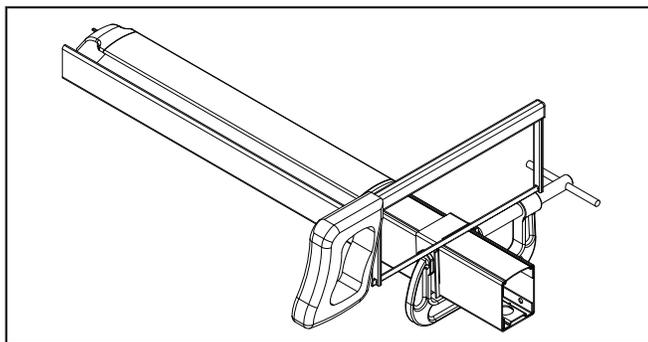
C. Ensure plastic insert support is installed under the cut line.



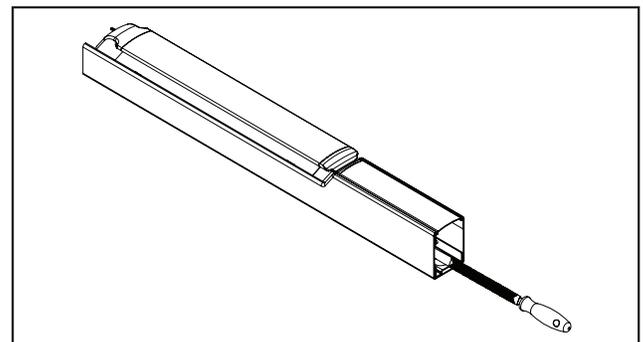
D. Wrap the rail and insert in masking tape, as shown.



E. Place the rail cutting guide over the masking tape and align it with the cut line. Clamp the cut guide to the rail using a C-clamp.



F. Using a hack saw with a new blade or a chop saw with a metal cutting blade, cut the rail, ensuring that the blade stays pressed against the rail cutting guide.



G. Deburr and smooth all cut edges with a file.

# PED4800 Series (AD, MD & A MD)

## Narrow Stile Concealed Vertical Rod Exit Device

### Installation Instructions



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12

Slide the rail assembly on the chassis. Tighten chassis mounting screws.

13

Ensure rail carrier tabs are aligned with chassis.

14

Insert the mounting bracket in the end of the rail.

15

Ensure mounting rail bracket is against the rail without a gap.

# PED4800 Series (AD, MD & A MD)

## Narrow Stile Concealed Vertical Rod Exit Device

### Installation Instructions



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16

Level the rail and mark mounting holes, using the bracket as a guide.

17

Drill and tap end cap bracket holes #10-24 (2 Places).

18

Attach mounting bracket and secure rail assembly to door with #10-24 x 3/4" screws (CC).

# PED4800 Series (AD, MD & A MD)

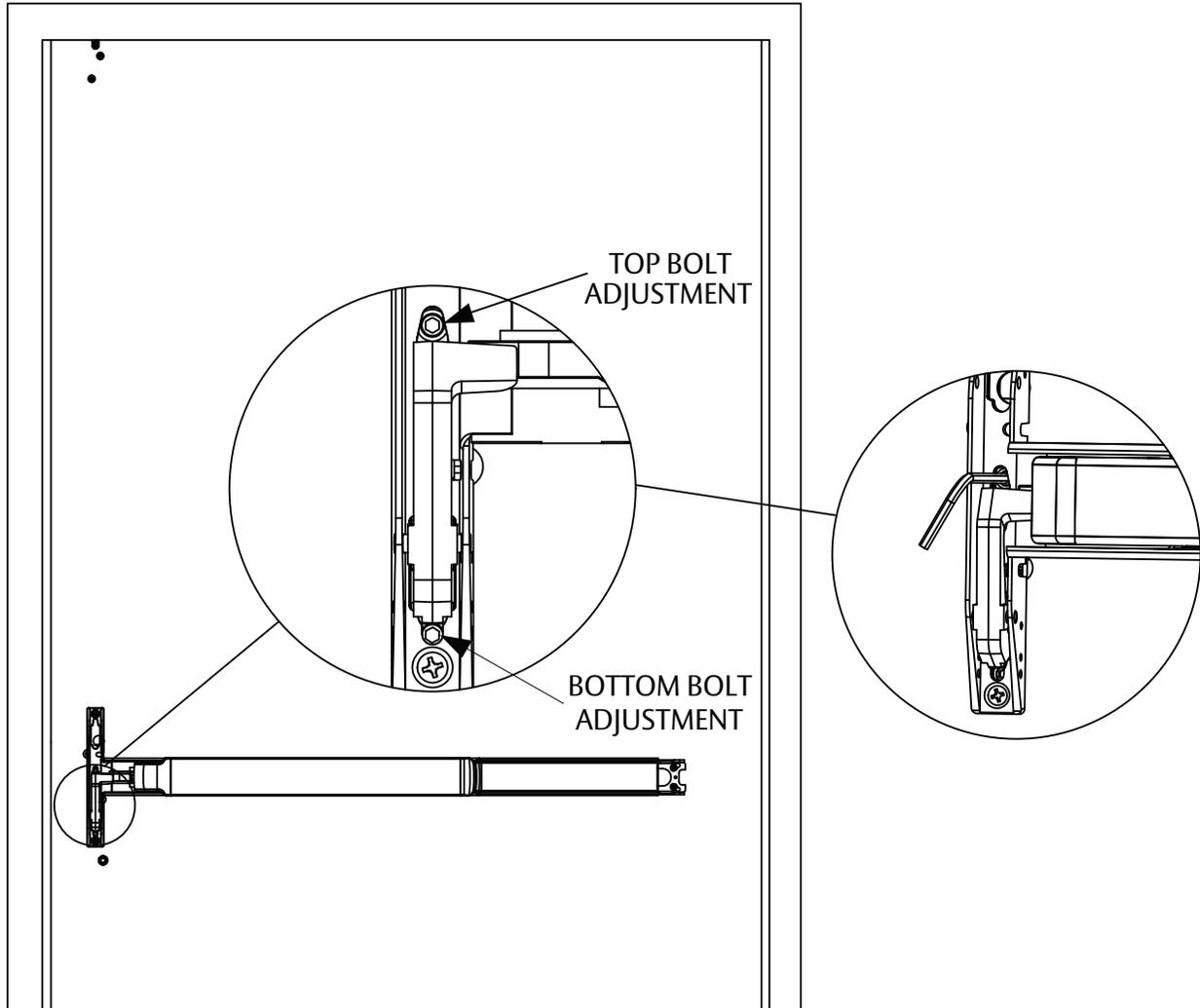
## Narrow Stile Concealed Vertical Rod Exit Device

### Installation Instructions



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If adjustments are needed, before closing the door check the following:

- Push rail in to retract bolts.
- Bolts stay retracted (hold back).
- Bolts release when the door closes. The button inside the top of the door hits the frame.
- The bolt engages with the strike 1/4" - 5/16".

For final adjustment, close door to adjust.

- Use 5/32" Allen wrench to adjust projection. Turn clockwise to adjust the bolt back into the door. Turn counter clockwise to extend the bolt.

