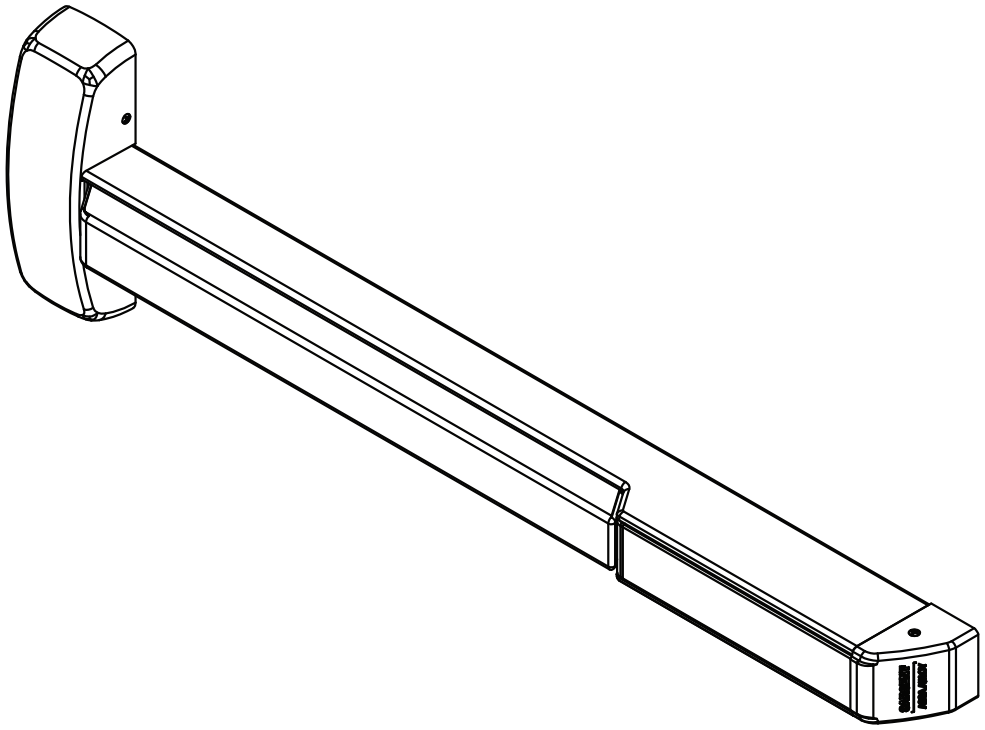
Installation Instructions

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PE8600 Series (12-WD, WD, NB-12-WD, & NB-WD)

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.

⚠ WARNING

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

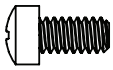
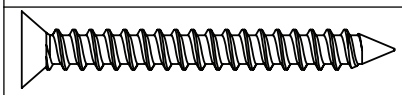
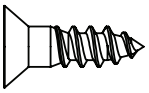
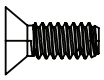
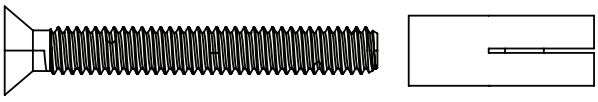
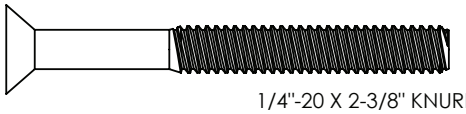
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Screw Chart

DESCRIPTION	TOTAL QTY SUPPLIED	WHERE USED
 CC #10 X 1-1/4" FLAT HEAD WOOD SCREW	10	(4) CHASSIS CORNER MOUNTING HOLES (2) INNER CHASSIS PLATE (2) 650 STRIKE, TOP (WOOD FRAME) (2) 650 STRIKE, BOTTOM (WOOD FRAME)
 BB #10 X 1-1/4" ROUND HEAD WOOD SCREW	2	(2) REAR MOUNTING PLATE (WOOD DOOR)
 HH #10-24 X 3/8" FILLISTER HEAD MACHINE SCREW	1	(1) INNER CHASSIS
 AA #12 X 2" FLAT HEAD WOOD SCREW	4	(4) TOP CASE BRACKET
 DD 1/4" X 1/2" FLAT HEAD WOOD SCREW	2	(2) BOTTOM BRACKET
 #10-24 X 1/2" U'CUT FLAT HEAD MACHINE SCREW	4	(2) 650 STRIKE, TOP (METAL FRAME) (2) 650 STRIKE, BOTTOM (METAL FRAME)
 1/4"-20 X 2" FLAT HEAD MACHINE SCREW W/ANCHOR	2	(2) 606 BOTTOM STRIKE (FIRE RATED)
 FF #8-32 X 5/16" W/ #6 OVAL HEAD MACHINE SCREW	6	(4) CHASSIS COVER (2) END CAP
 GG 1/4"-20 X 2-3/8" KNURLED FLAT HEAD MACHINE SCREW	2	(2) EXIT TRIM (IF USED)

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PE8600 Series (12-WD, WD, NB-12-WD & NB-WD)

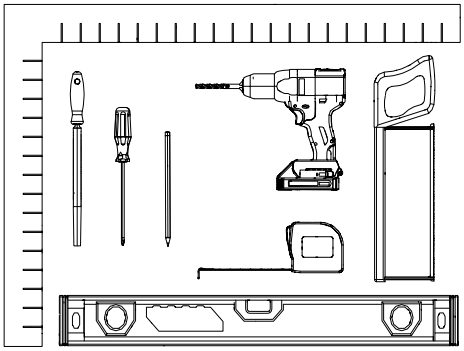
Concealed Vertical Rod Exit Devices

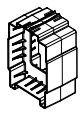
Installation Instructions

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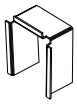
Equipment Needed

Tools





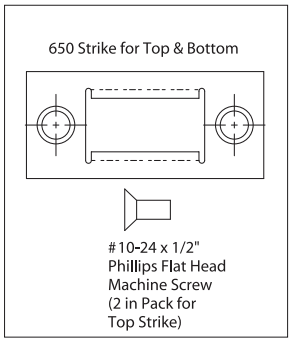
Support Block (Provided)



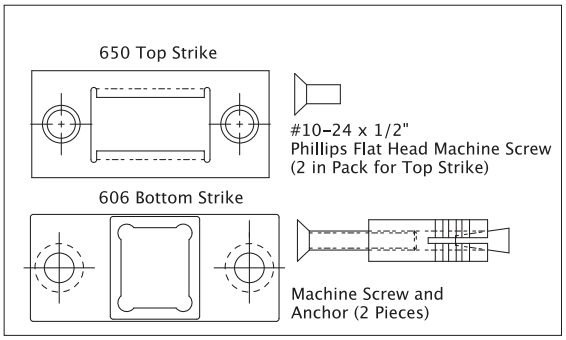
Rail Cutting Guide (Provided)

Strike Packs

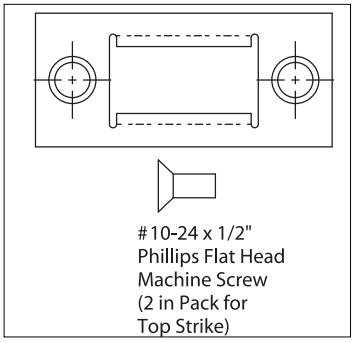
Strike Pack for WD-PE8600



Strike Pack for 12-WD-PE8600



650 Top Strike Pack NB-WD-PE8600 & 12-NB-WD-PE8600



*Note: The NB-WD-PE8600, 12-NB-WD-PE8600 do not have a bottom strike.

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.

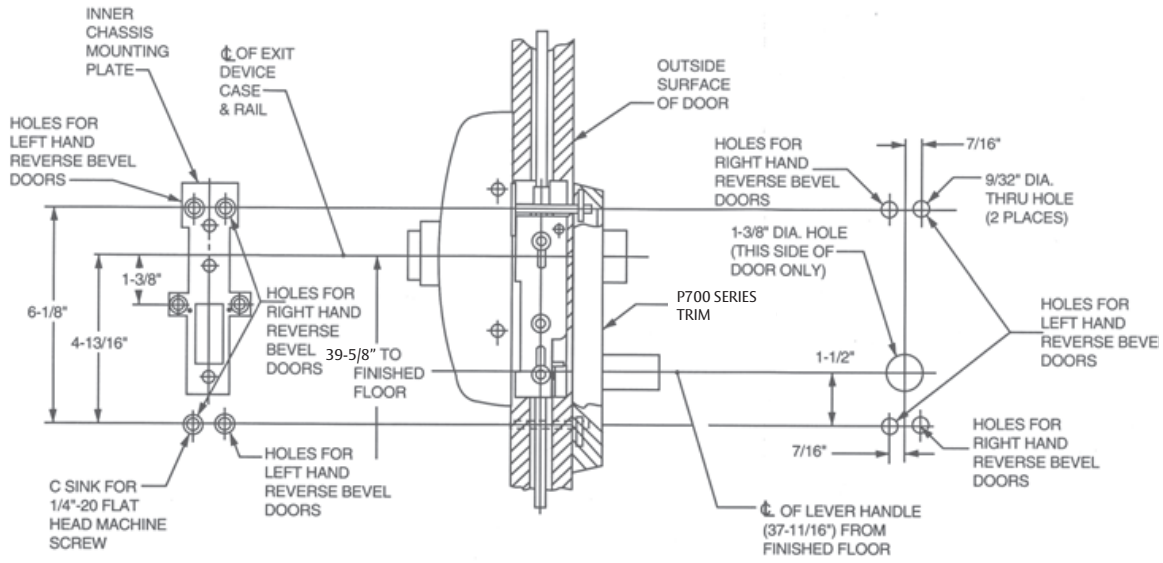
Note: Please refer to trim and other installation instructions provided in the box.

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Template for WD-PE8600, 12-WD-PE8600, NB-WD-PE8600 and NB-12-WD-PE8600 with P700 Series Trim



The P700-4 series trim needs to be attached through the door with (2) 1/4-20 x 2-3/8" flat head machine screws (GG).



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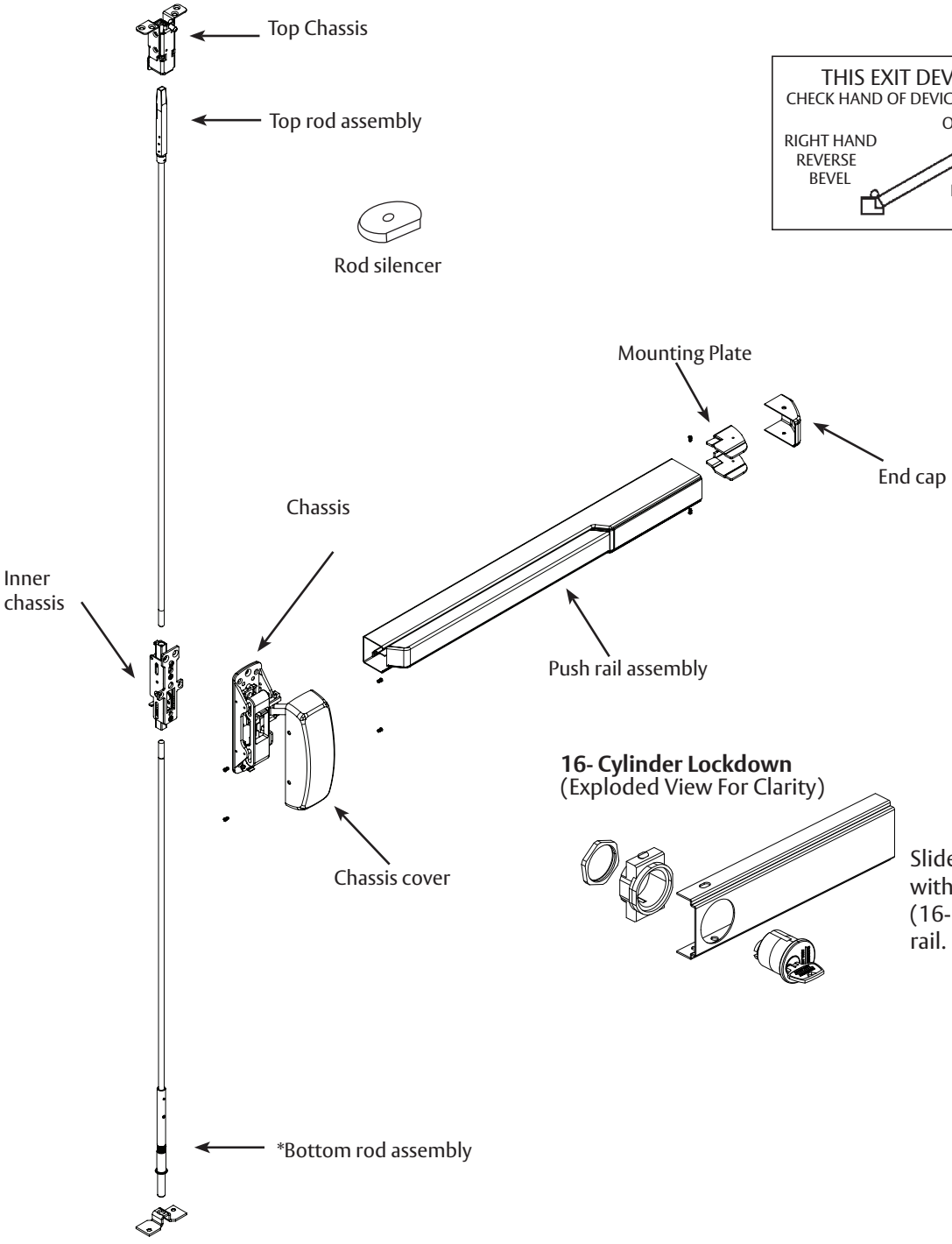
PE8600 Series (12-WD, WD, NB-12-WD & NB-WD)

Concealed Vertical Rod Exit Devices

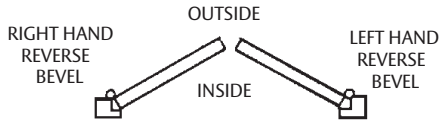
Installation Instructions

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Exploded View



THIS EXIT DEVICE IS HANDED
CHECK HAND OF DEVICE AGAINST APPLICATION



16- Cylinder Lockdown
(Exploded View For Clarity)

Slide mounting rail insert with cylinder dogging (16-prefix) into mounting rail.

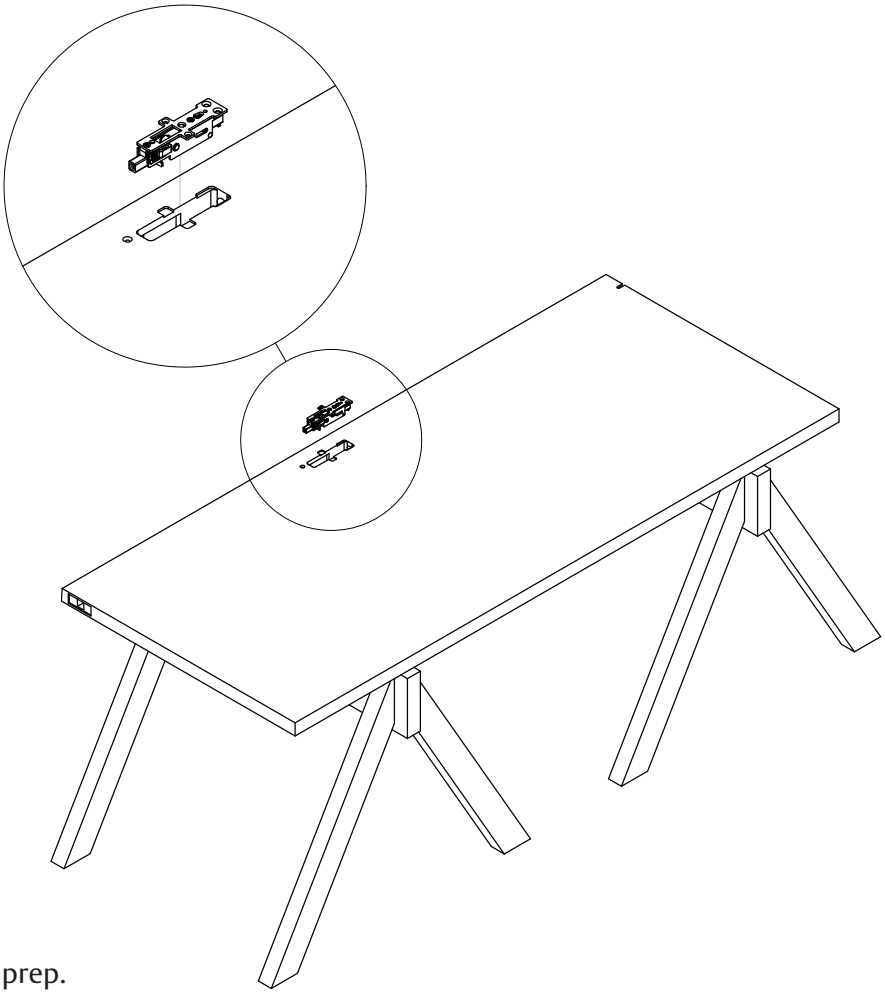
*Note: The NB-WD-PE8600 and the 12-NB-WD-PE8600 do not have a bottom rod assembly.

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1



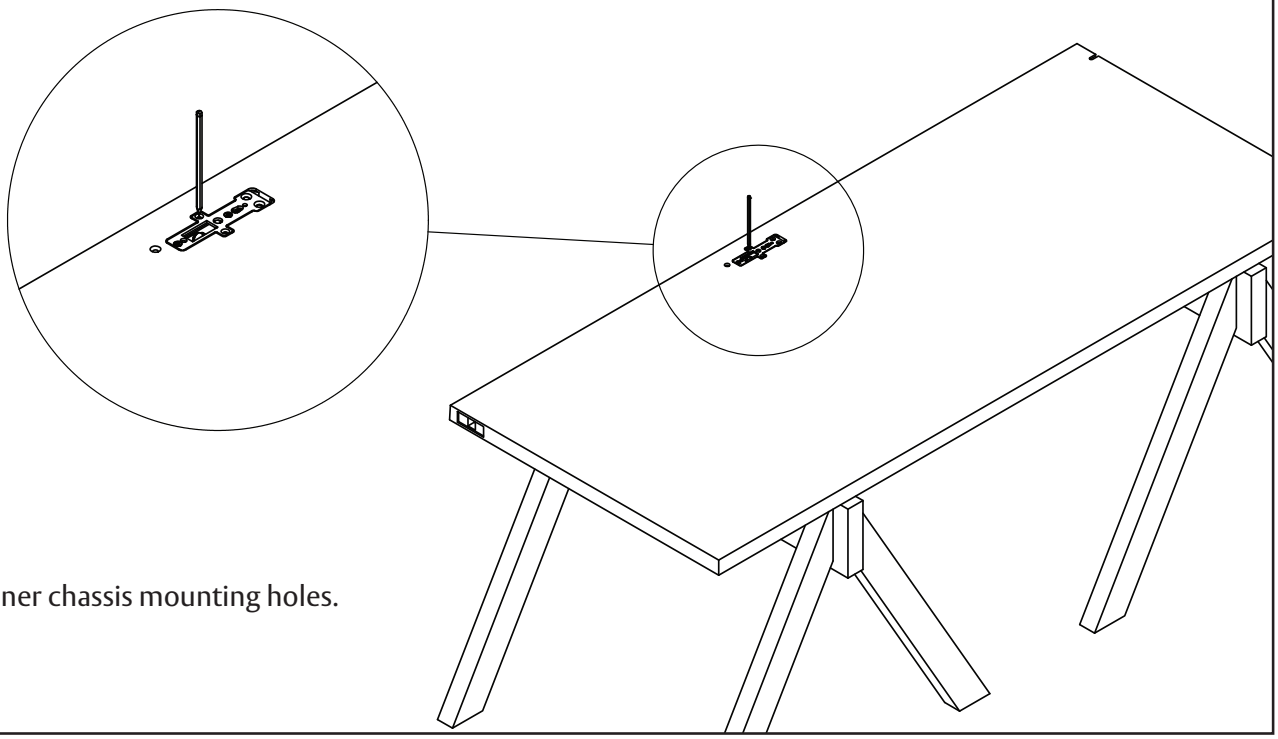
Install inner chassis into door prep.
Note: Wood doors must be prepared by a wood door manufacturer.

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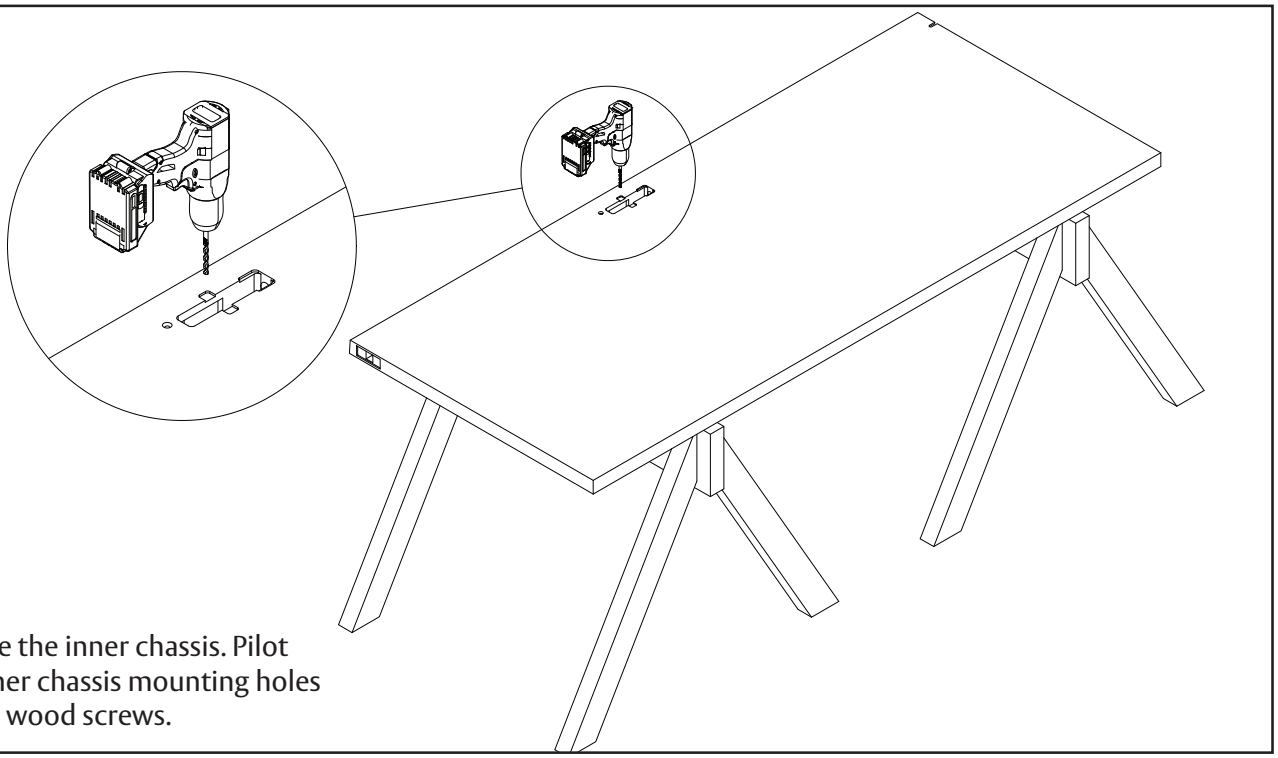
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2



Mark inner chassis mounting holes.

3

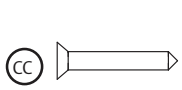


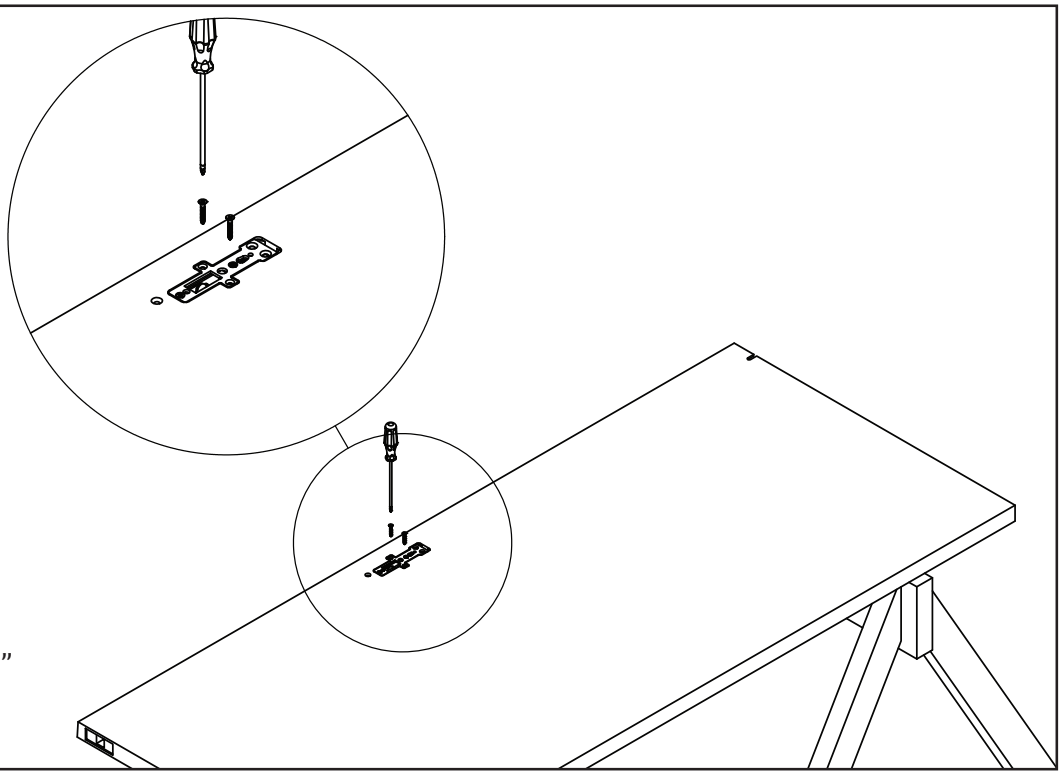
Remove the inner chassis. Pilot drill inner chassis mounting holes for #10 wood screws.

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4





Install the inner chassis using two (2) #10 x 1-1/4" screws (CC).

5



Install #10-24 x 3/8" fillister screws (HH) to the inner chassis.

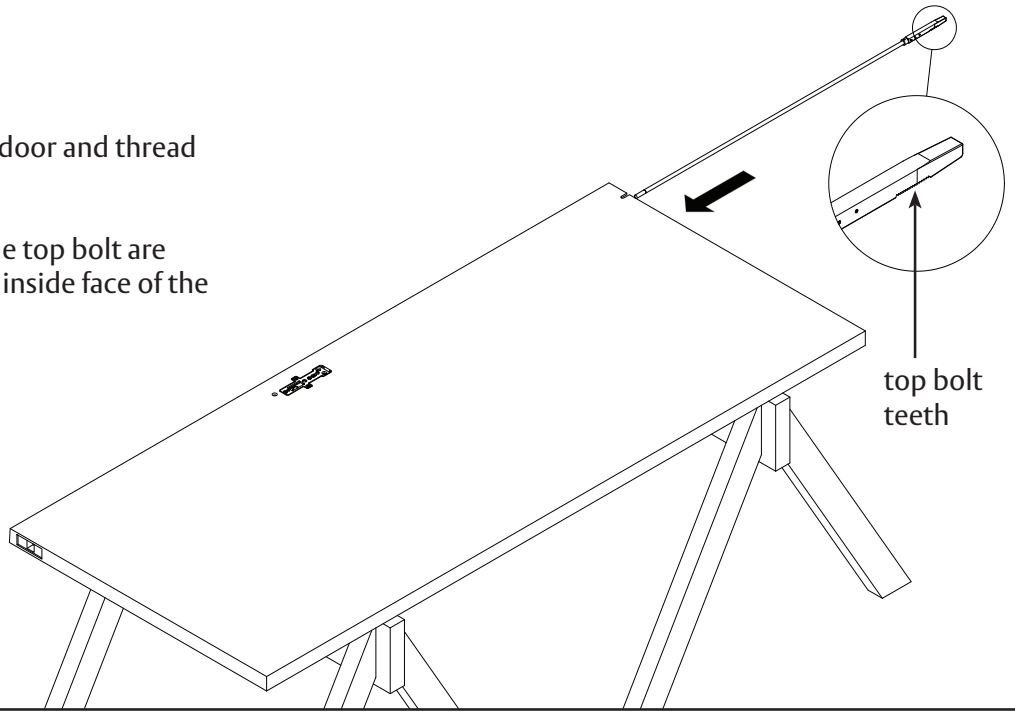
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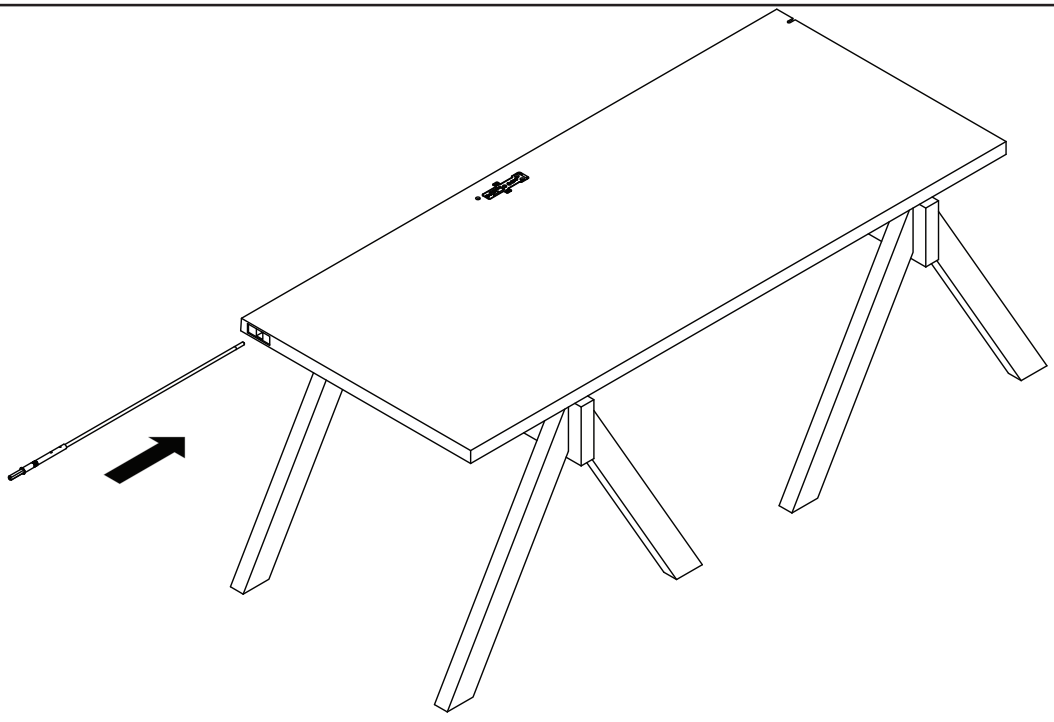
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6

- Slide top rod into the door and thread into the inner chassis.
- Ensure the teeth on the top bolt are facing opposite of the inside face of the door.



7



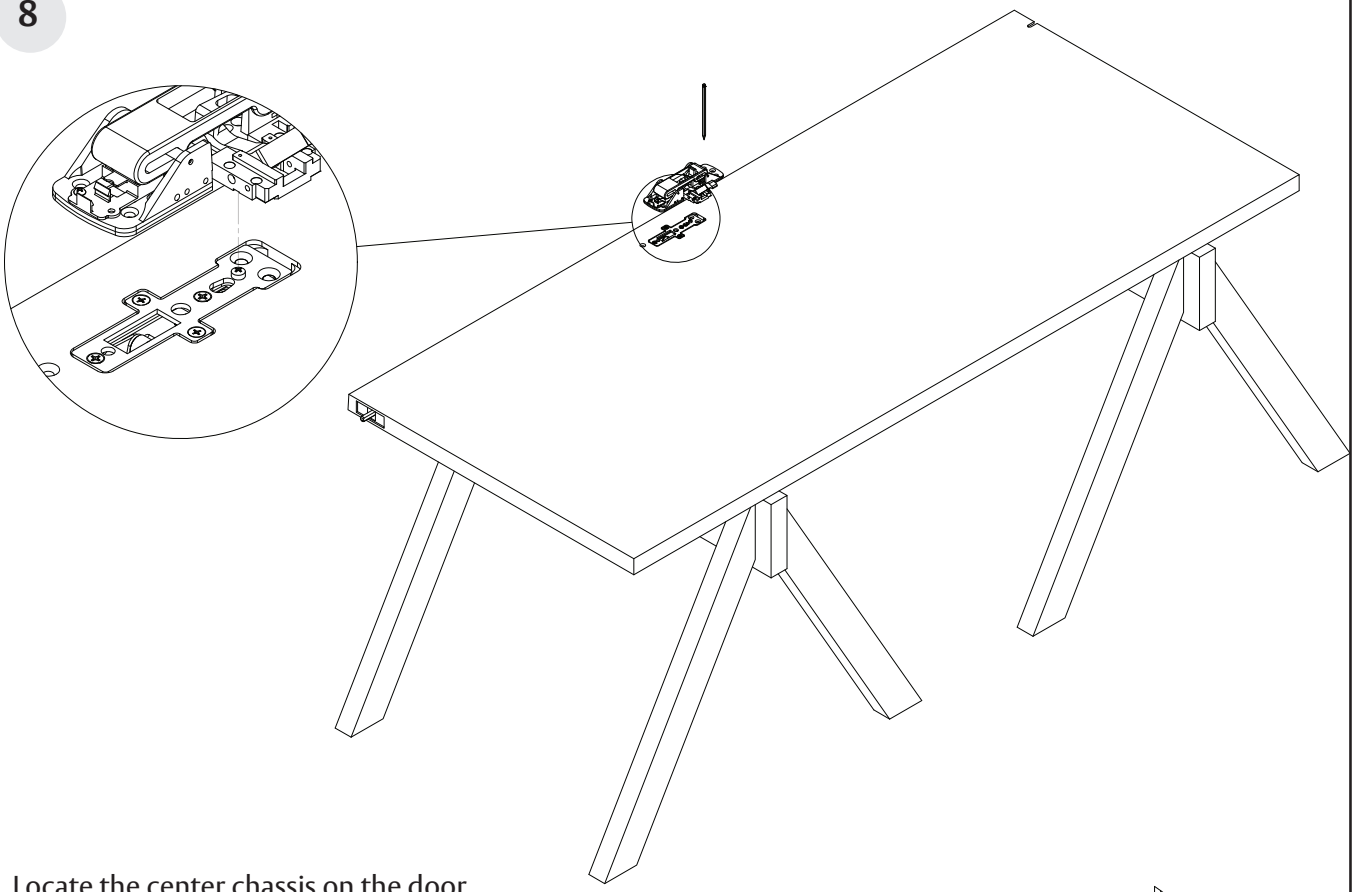
Slide bottom rod into the door and thread into the inner chassis.

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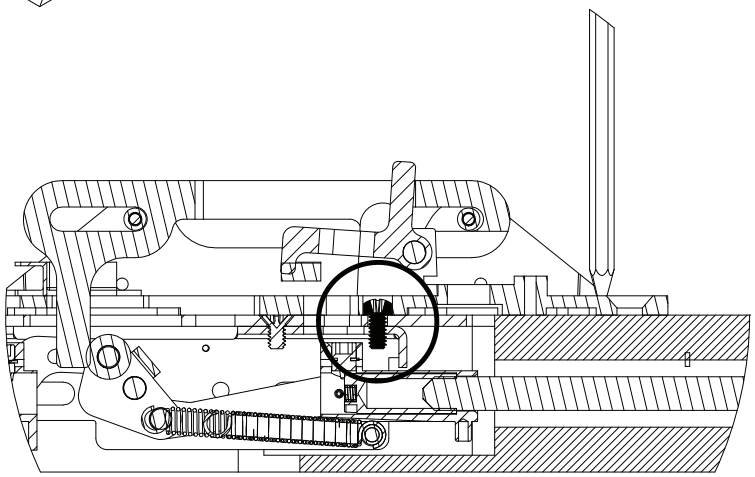
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8



- Locate the center chassis on the door by keying it to the fillister head screw projecting off the door face.
- Mark the four corner mounting holes.



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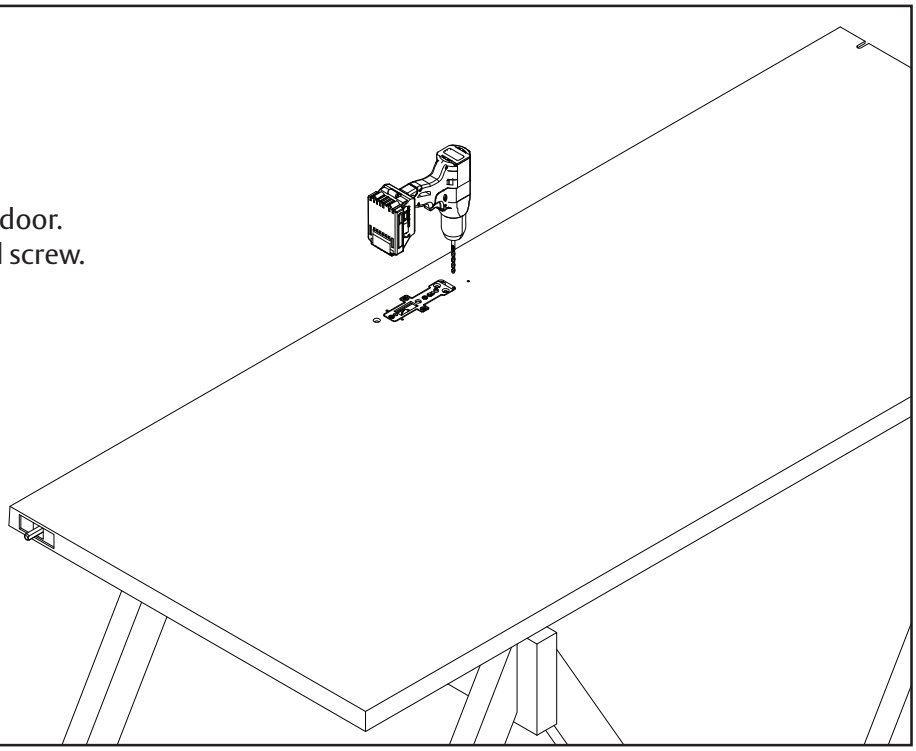
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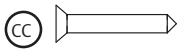
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9

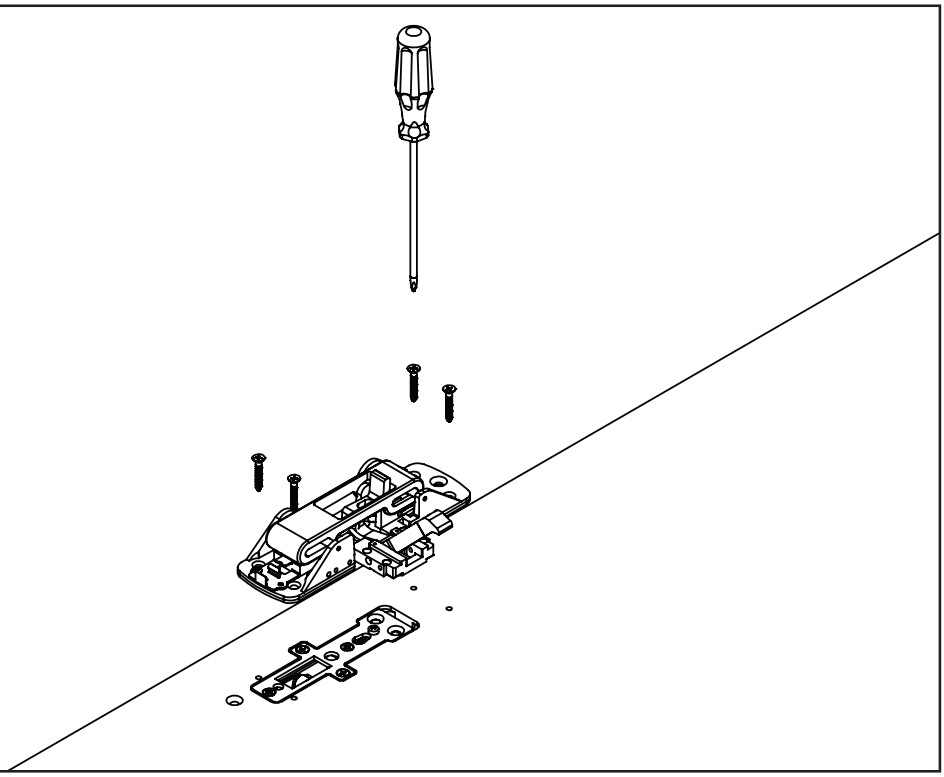
Remove the center chassis from the door.
Pilot mounting holes for a #10 wood screw.



10



Install the center chassis using four (4) #10 x 1-1/4" screws (CC). **Do not fully tighten.**

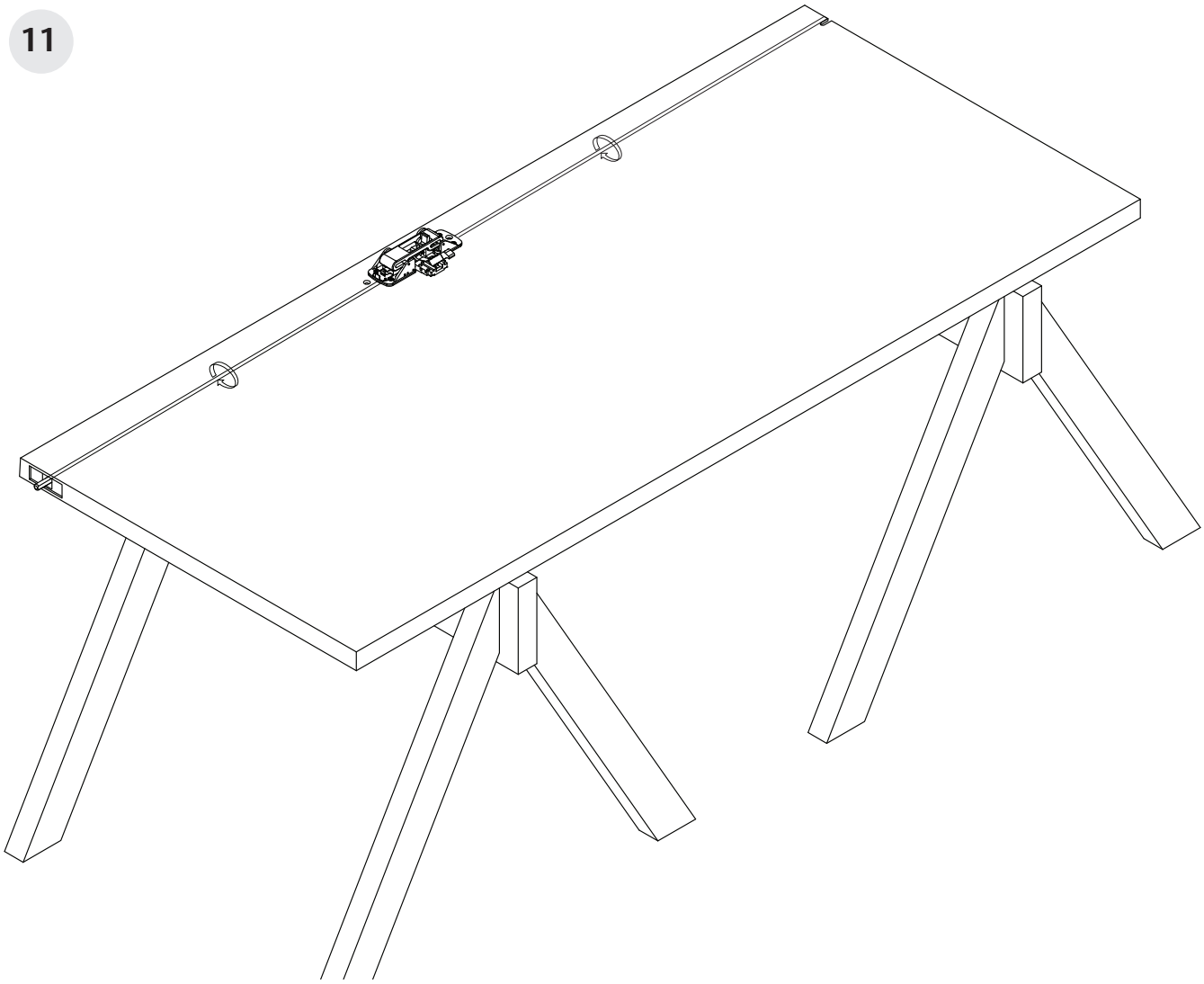


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11



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.

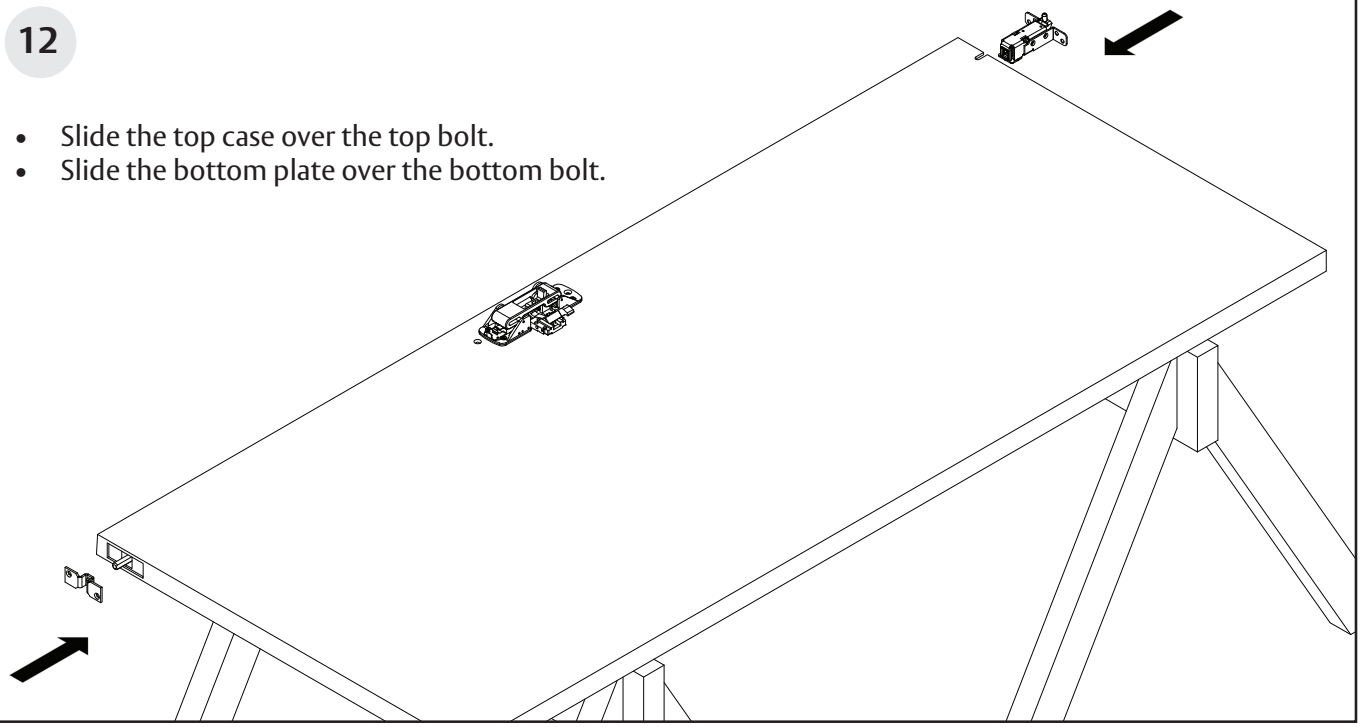
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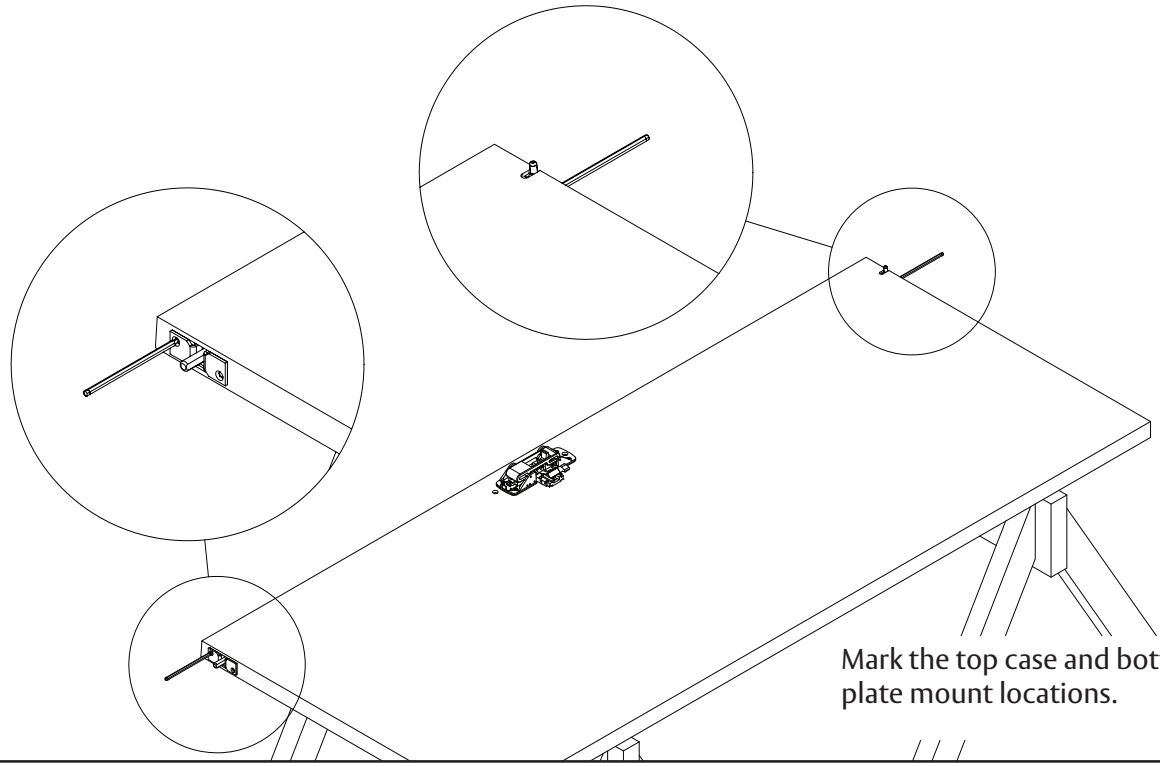
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12

- Slide the top case over the top bolt.
- Slide the bottom plate over the bottom bolt.



13



Mark the top case and bottom plate mount locations.

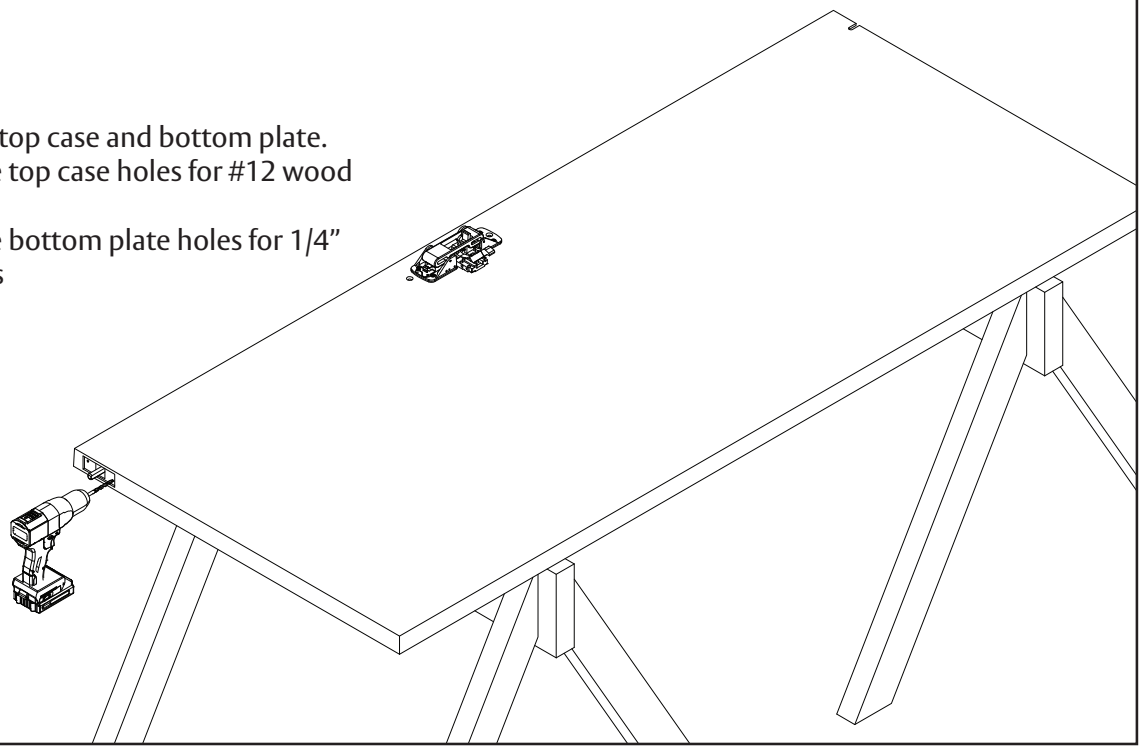
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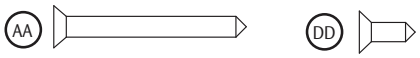
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14

- Remove the top case and bottom plate.
- Pilot drill the top case holes for #12 wood screws.
- Pilot drill the bottom plate holes for 1/4" wood screws



15



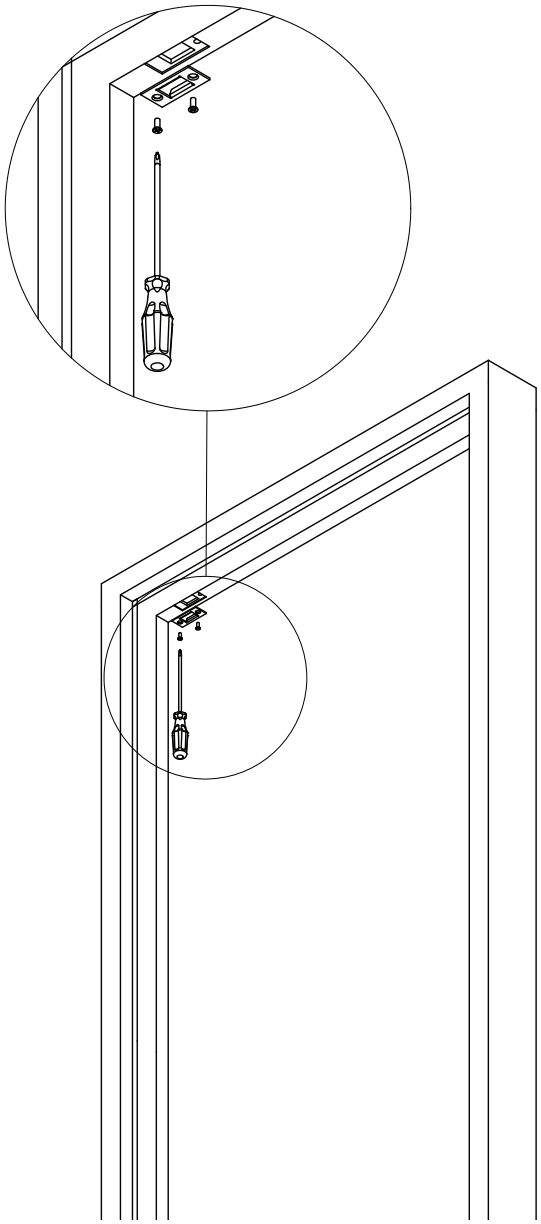
- Slide the top case over the top bolt. Secure to the top of the door with (4) #12 x 2" wood screws (AA).
- Install the bottom plate over the bottom bolt. Secure with (2) 1/4" x 1/2" wood screws (DD).

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16



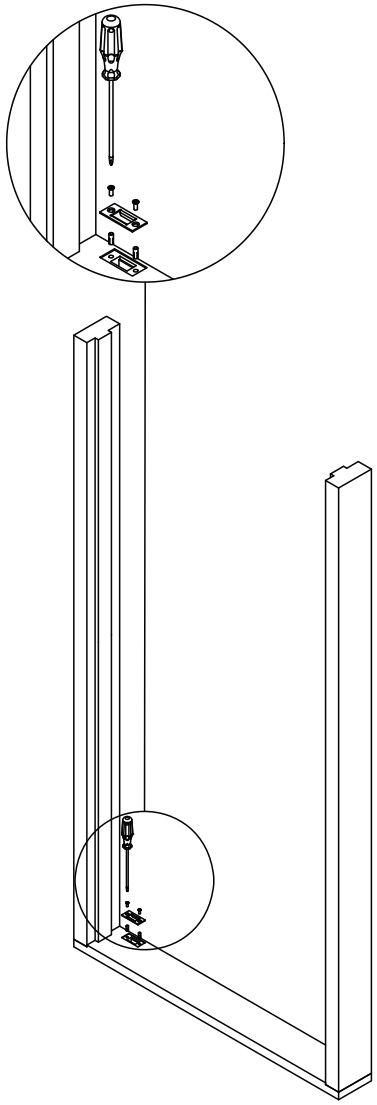
- Attach 650 strike to frame with (2) #10-24 x 1/2" flat head screws.

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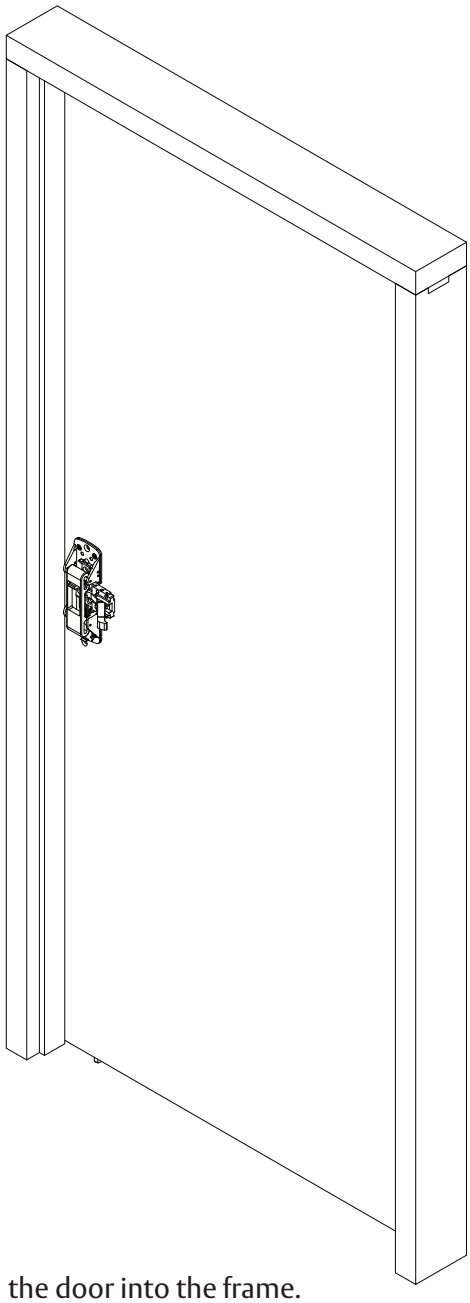
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17



- For WD-PE8600: Attach 650 bottom strike to floor with anchors and supplied fasteners.
- For 12-WD-PE8600 attach 606 bottom strike to floor with anchors and supplied fasteners.

18



Reinstall the door into the frame.

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Rail cutting guide

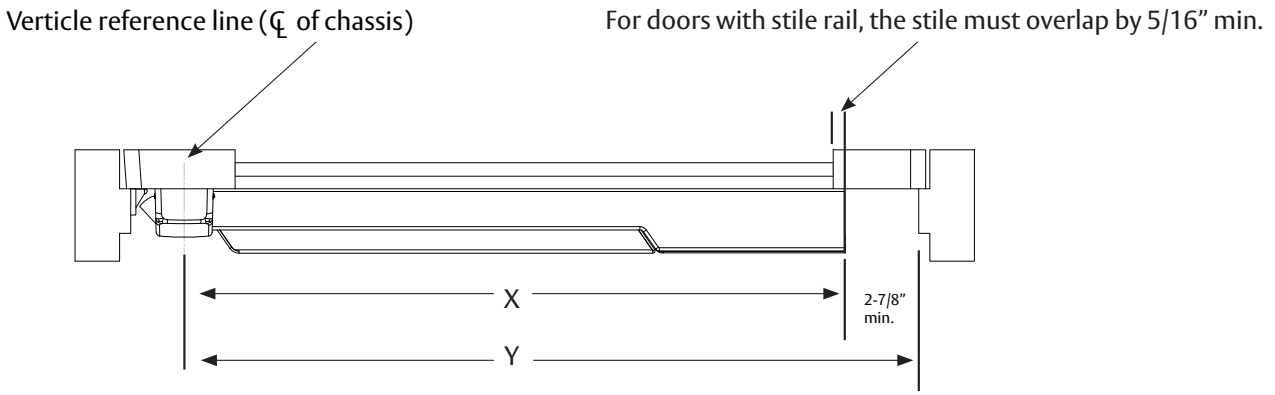
If the rail doesn't need to be cut, continue to page 18 step 19.
If the rail must be cut, follow these steps on page 16 and 17:

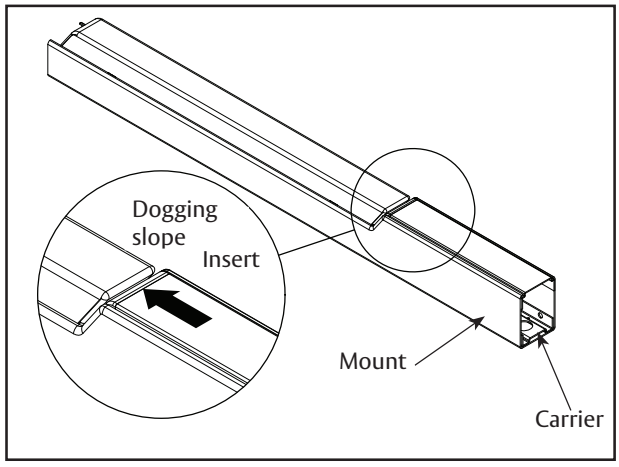
Refer to the individual exit device installation instructions for rail cutting requirements / restrictions. Instructions will vary based on device type and options.

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

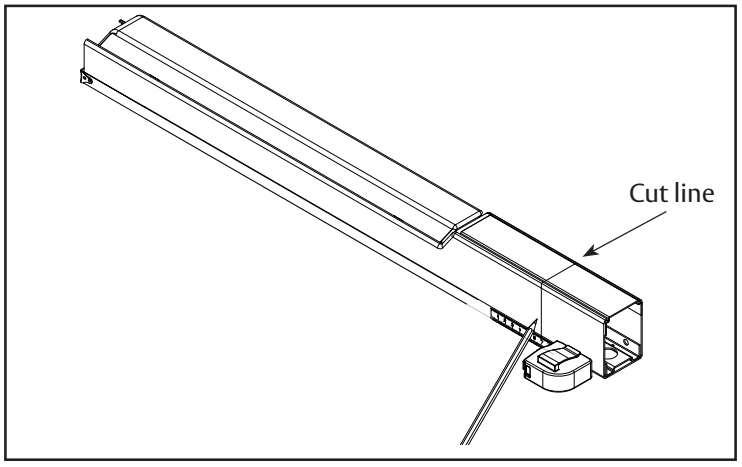
⚠ Do not cut closer than 1-5/8" from the the front edge of the rail insert.

Information for Cutting Rails		
Rail Sizes	Door Widths	
	Standard	Minimum
E	32"	24"
F	36"	33"
J	42"	37"
G	48"	43"





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



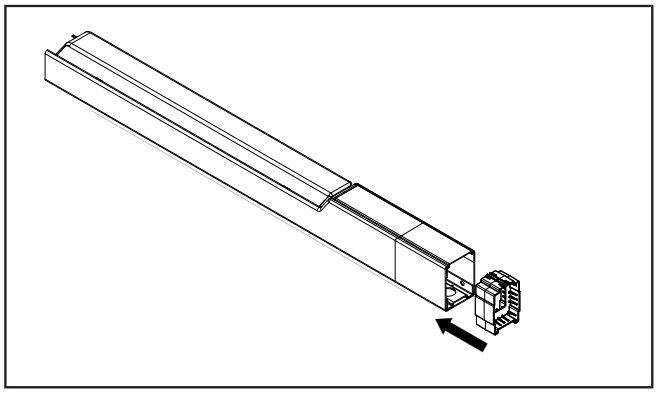
B. Mark rail at the required cut length.

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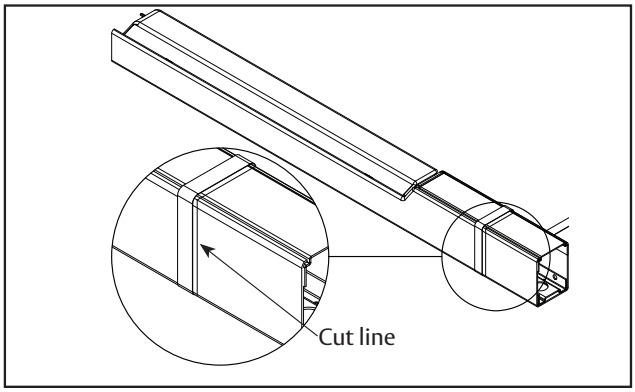
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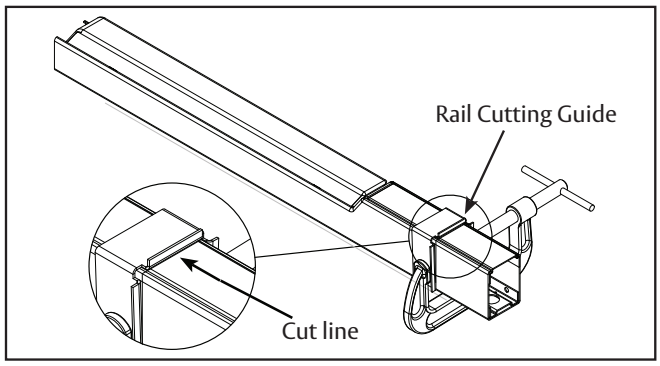
Rail cutting guide, continued.



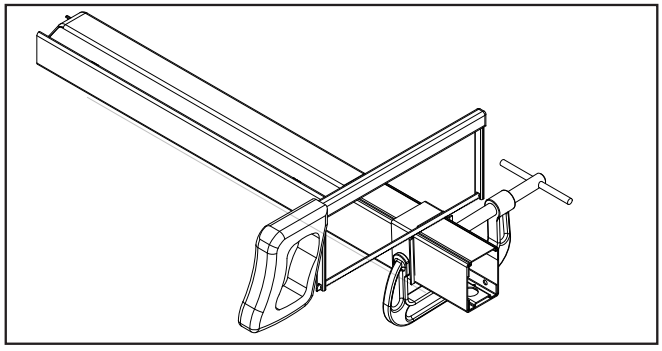
C. Ensure plastic insert support is installed under the cut line.



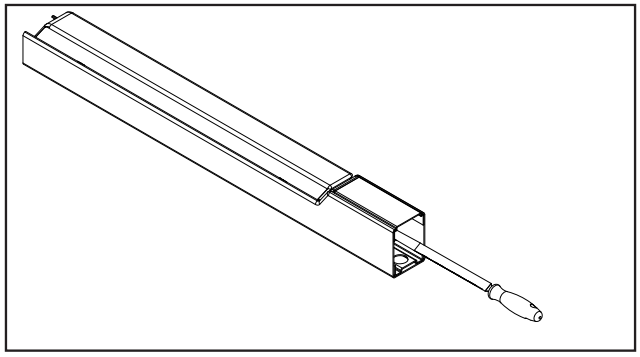
D. Wrap the rail and insert in masking tape, as shown.



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.



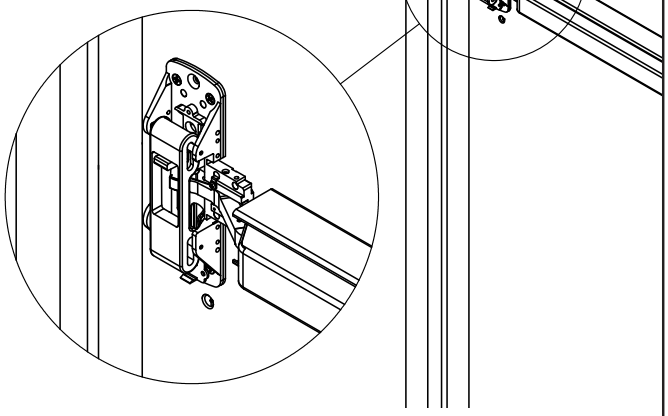
G. Deburr and smooth all cut edges with a file.

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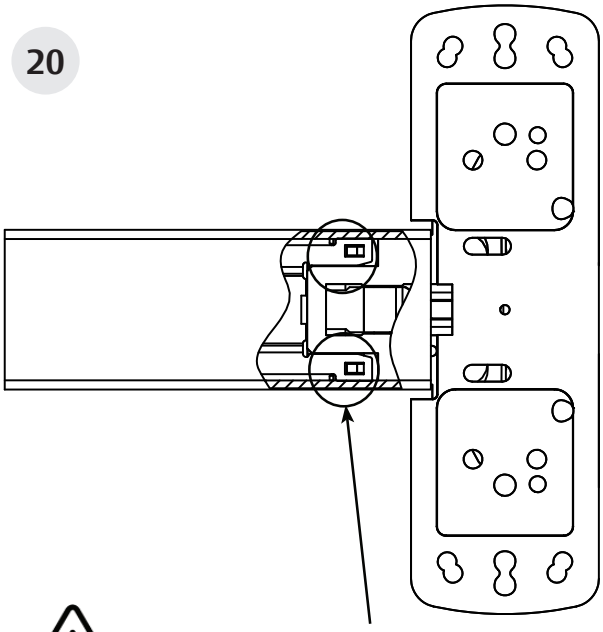
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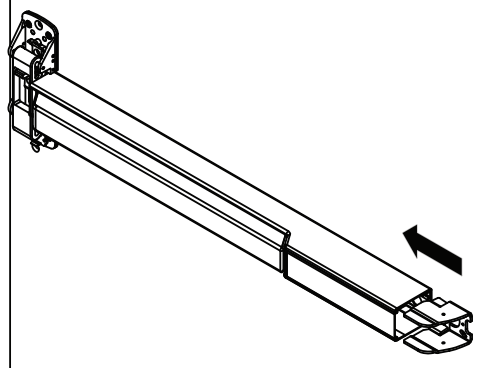
Slide the rail assembly on the chassis.
Tighten chassis mounting screws.

20



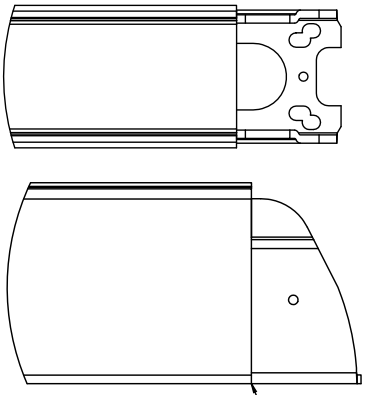
Ensure rail carrier tabs are aligned with chassis.

21



Insert the mounting bracket in the end of the rail.

22



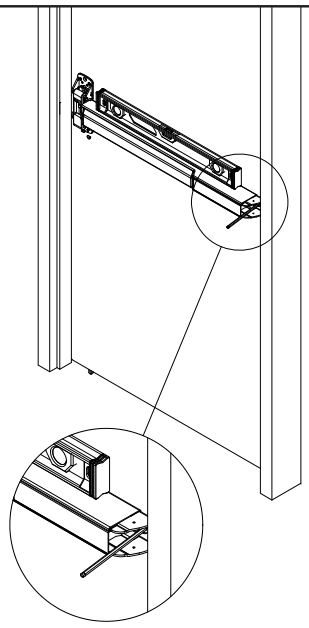
Ensure mounting rail bracket is against the rail without a gap.

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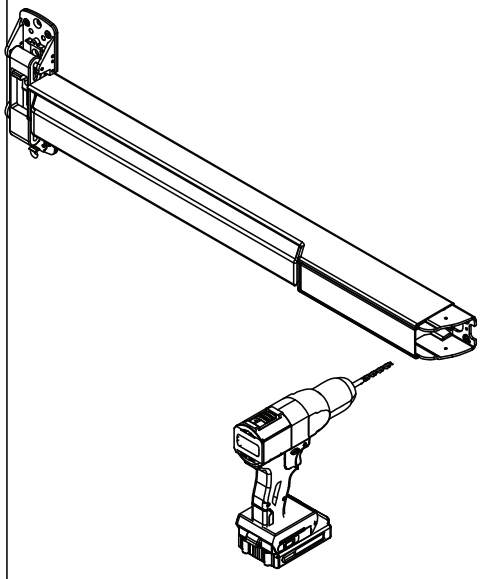
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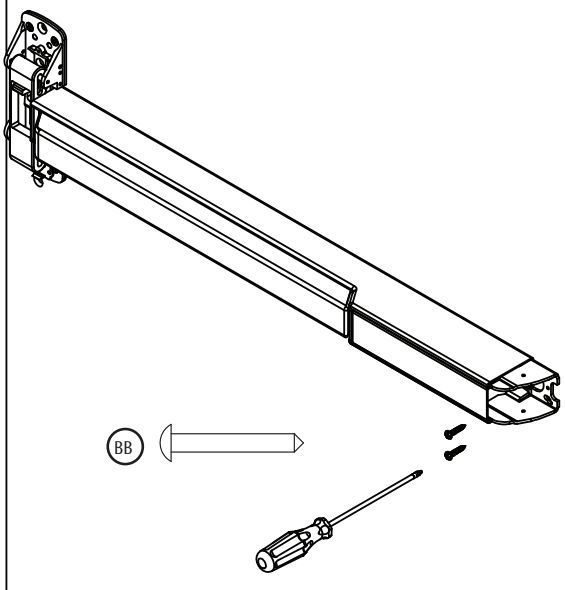
Level the rail and mark mounting holes, using the bracket as a guide.

24



Pilot mounting bracket holes for #10 wood screws.

25



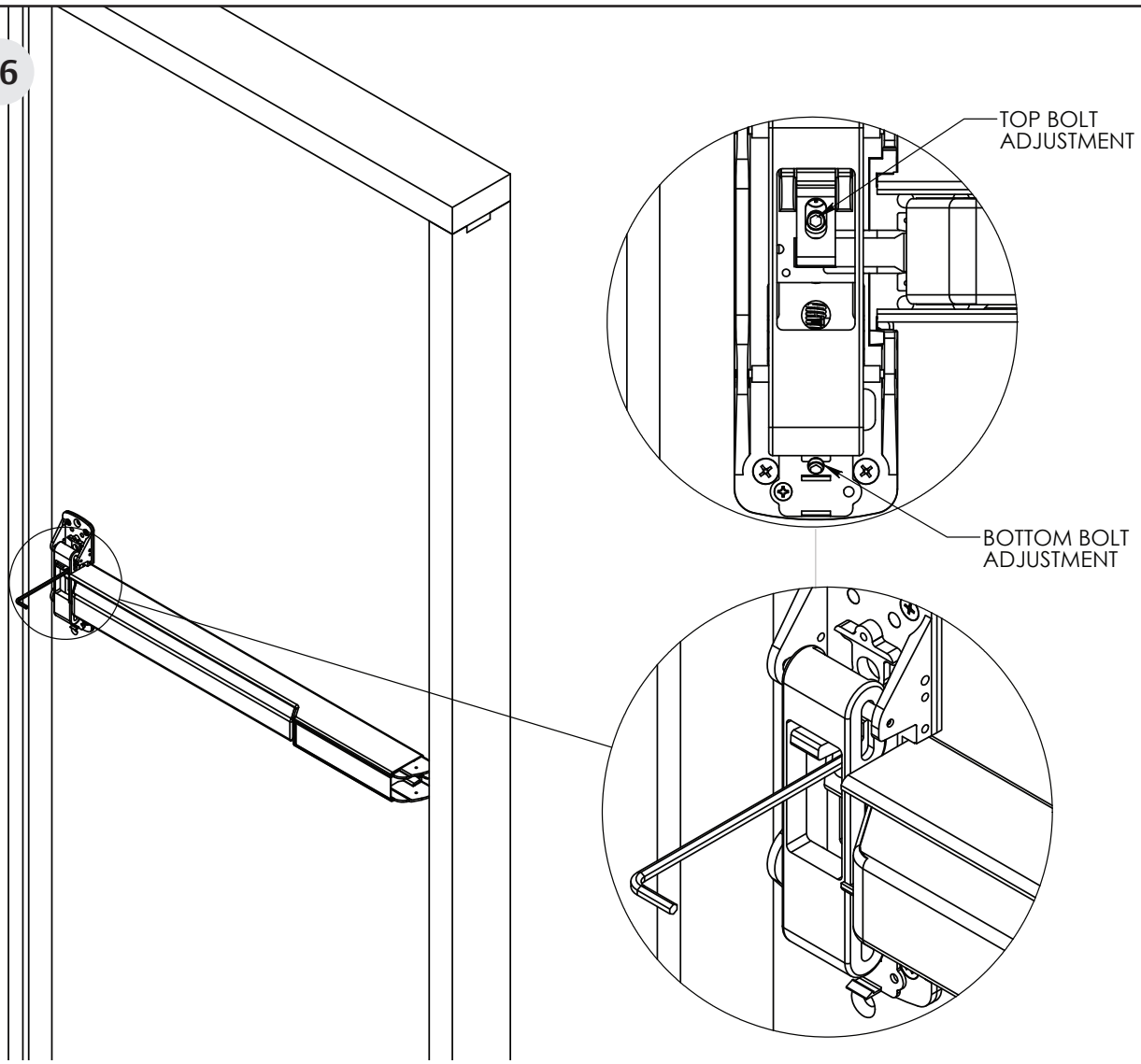
Atttach mounting bracket with (2) #10 wood screws (BB).

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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.

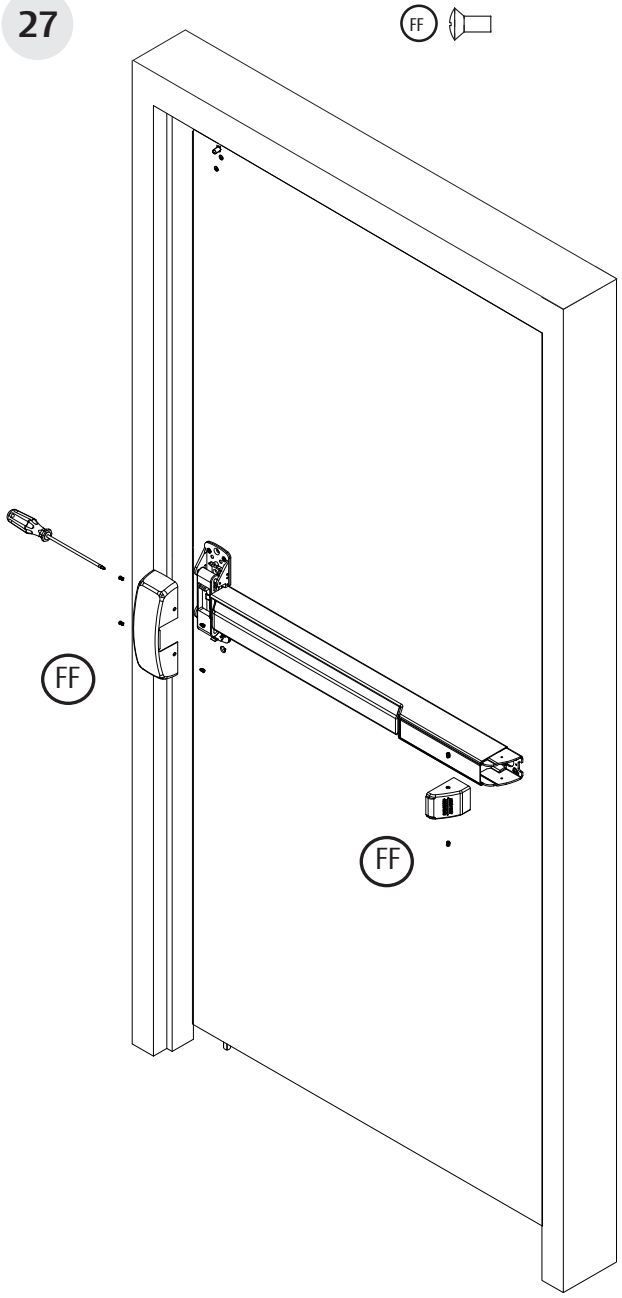
- Use 5/32" Allen wrench to adjust projection. Turn clockwise to adjust the bolt back into the door. Turn counter clockwise to extend the bolt.

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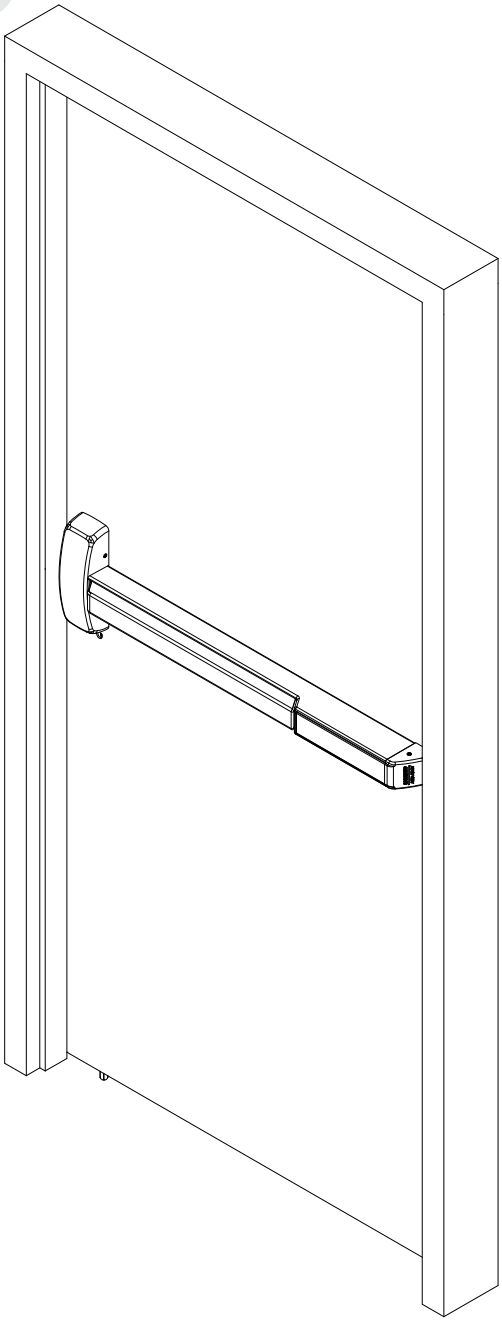
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Install chassis and end cap cover, using supplied #8-32 x 5/16 oval head screws (FF).

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Check for proper operation.

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