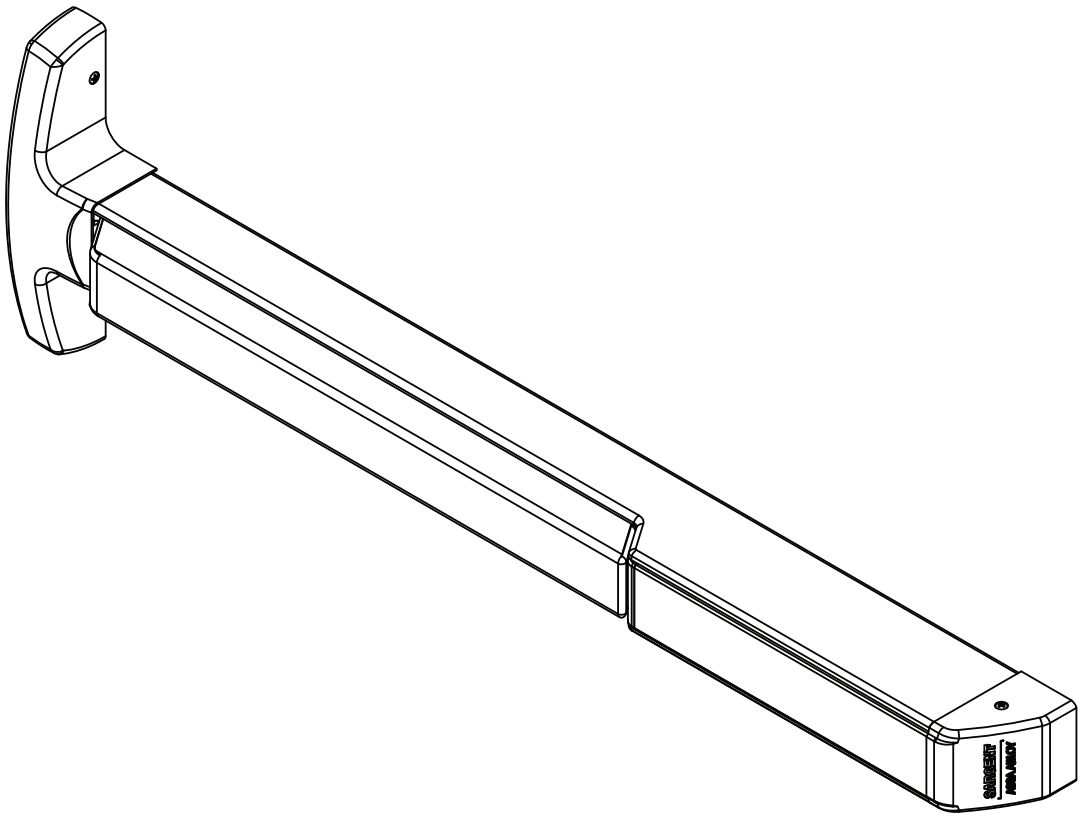
Installation Instructions

SARGENT
ASSA ABLOY

PE8500 Series - Narrow Rim Exit Devices

For Standard, Fire Rated and Aluminium Doors

PE8500 - Standard
12-PE8500 - Fire Rated
AD-PE8500 - Aluminum Door



⚠ 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.

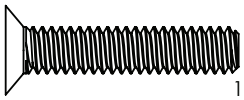
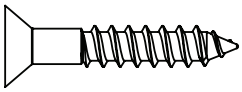
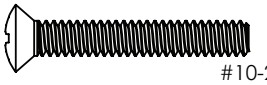
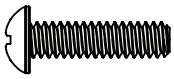
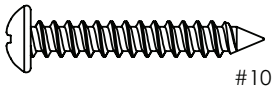
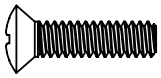
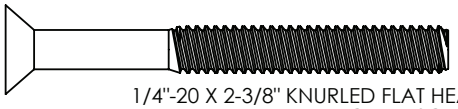
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A8302-1 5/23

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Screw Chart

SCREW	TOTAL QTY SUPPLIED	WHERE USED
 1/4"-20 X 1-1/4" FLAT HEAD MACHINE SCREW	2	(2) CHASSIS OUTER MOUNTING HOLES (METAL DOOR)
 #12 X 1-1/4" FLAT HEAD WOOD SCREW	2	(2) CHASSIS OUTER MOUNTING HOLES (WOOD DOOR)
 #10-24 X 1-1/2" OVAL HEAD MACHINE SCREW	2	(2) CHASSIS INNER MOUNTING HOLES (METAL DOOR, FIRE RATED)
 #10-24 X 3/4" ROUND HEAD MACHINE SCREW	2	(2) REAR MOUNTING PLATE (METAL DOOR)
 #10 X 1-1/4" ROUND HEAD WOOD SCREW	2	(2) REAR MOUNTING PLATE (WOOD DOOR)
 #10-24 X 3/4" OVAL HEAD MACHINE SCREW	2	(2) 657 STRIKE (METAL FRAME)
 #10 X 1-1/4" OVAL HEAD WOOD SCREW	2	(2) 657 STRIKE (WOOD FRAME)
 #8-32 X 5/16" W/ #6 OVAL HEAD MACHINE SCREW	6	(4) CHASSIS COVER (2) END CAP
 1/4"-20 X 2-3/8" KNURLED FLAT HEAD MACHINE SCREW	2	(2) EXIT TRIM (IF USED)

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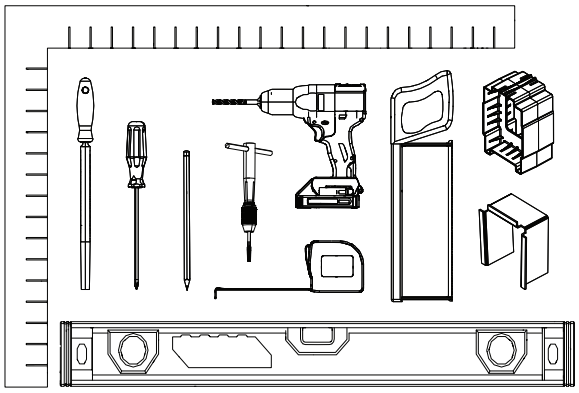
PE8500 Series - Narrow Rim Exit Devices

For Standard, Fire Rated and Aluminium Doors

Installation Instructions

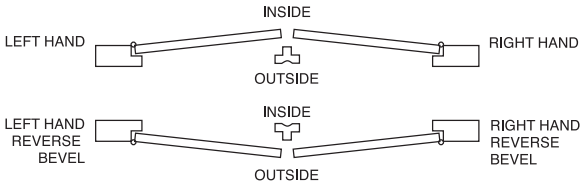
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Tools Needed



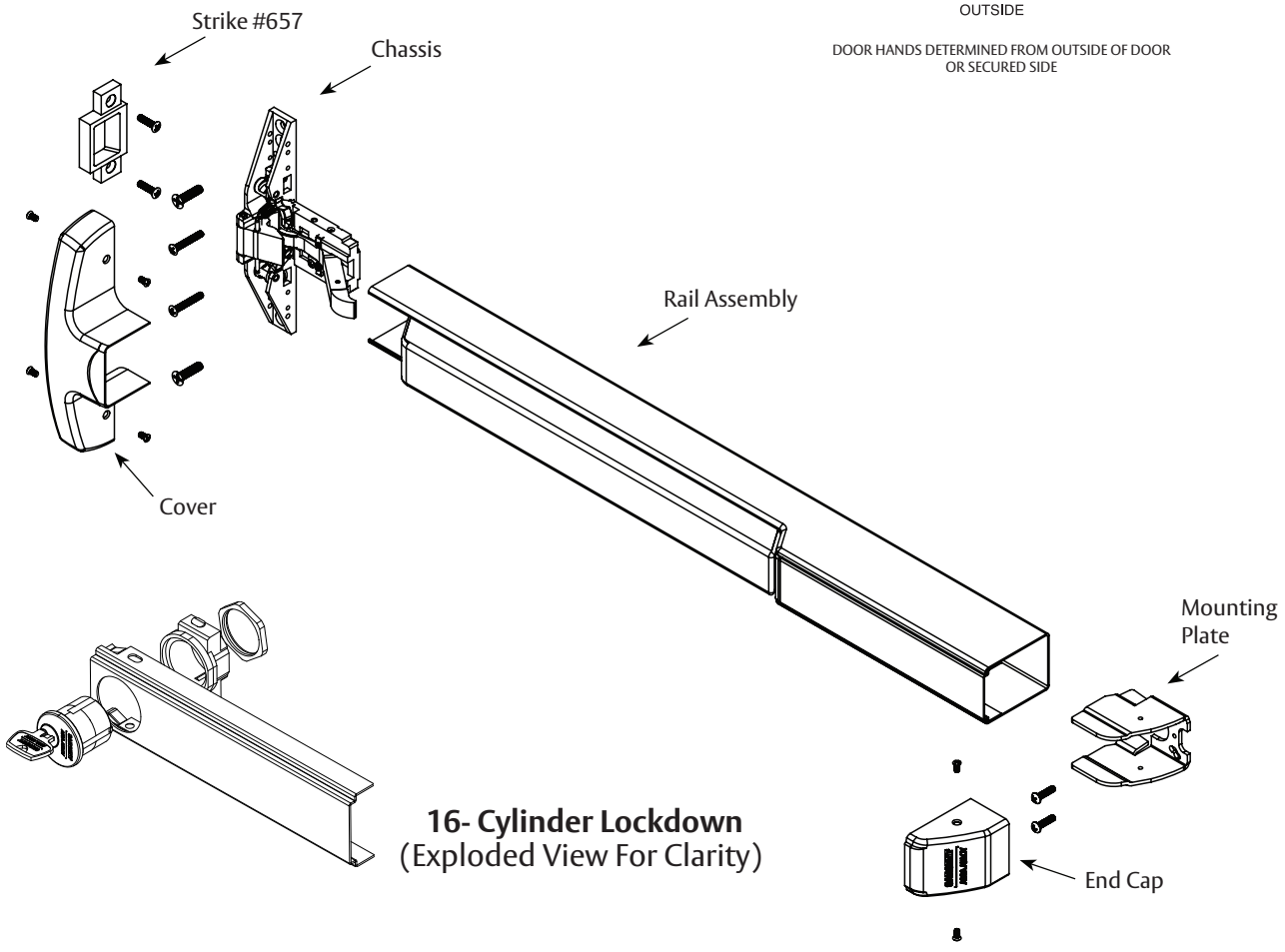
Support Block (Provided)

Rail Cutting Guide (Provided)



DOOR HANDS DETERMINED FROM OUTSIDE OF DOOR OR SECURED SIDE

Exploded View



16- Cylinder Lockdown
(Exploded View For Clarity)

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For Standard, Fire Rated and Aluminium Doors

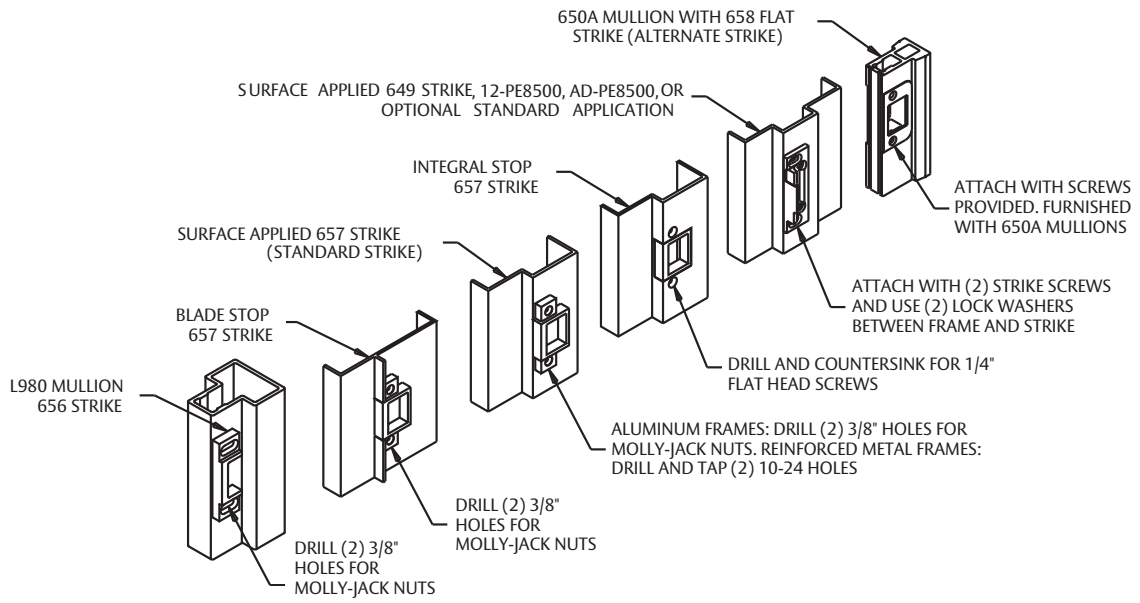
Installation Instructions

Before installation:

1. Install mullion, if used.
2. Fit and hang door.
3. Check the box's label for the size of the exit device.
4. For wood doors, use wood screws and prep accordingly.

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.



Strike Mounting Options

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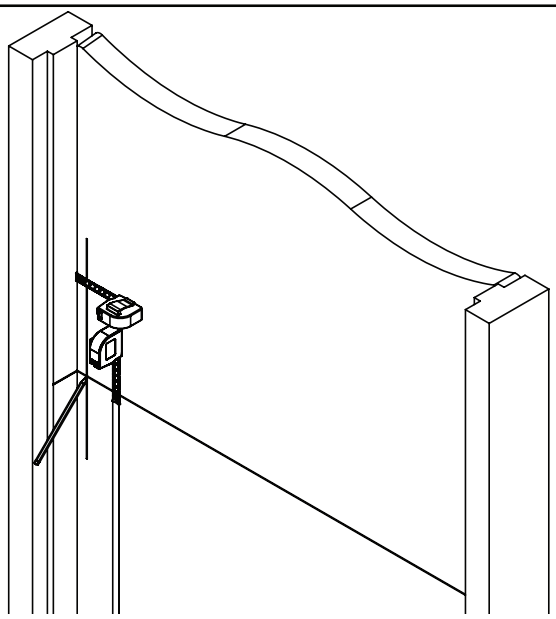
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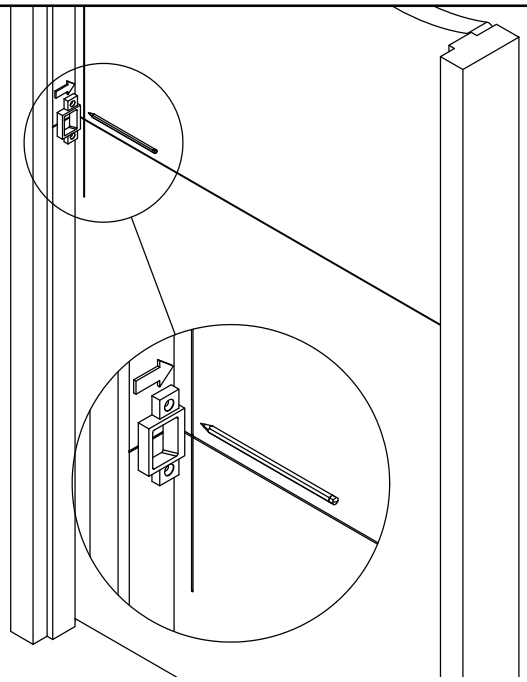
Installation Instructions

1



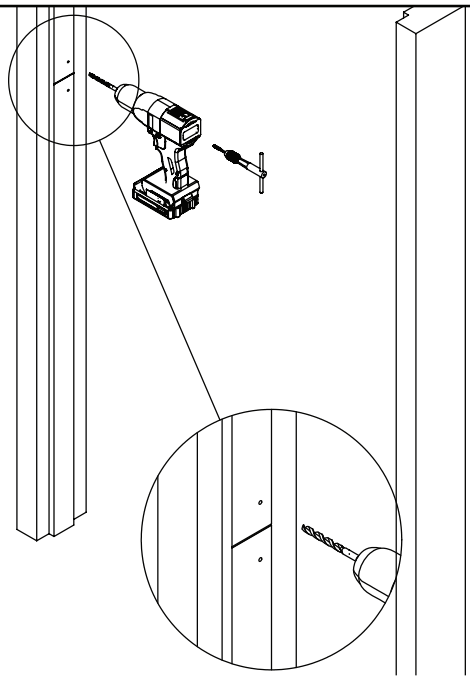
Measure 39-5/8" from the finished floor and mark door and frame. Temporarily hold strike against frame. Measure 13/16" from surface of strike (Refer to the strike template.) for vertical centerline.

2



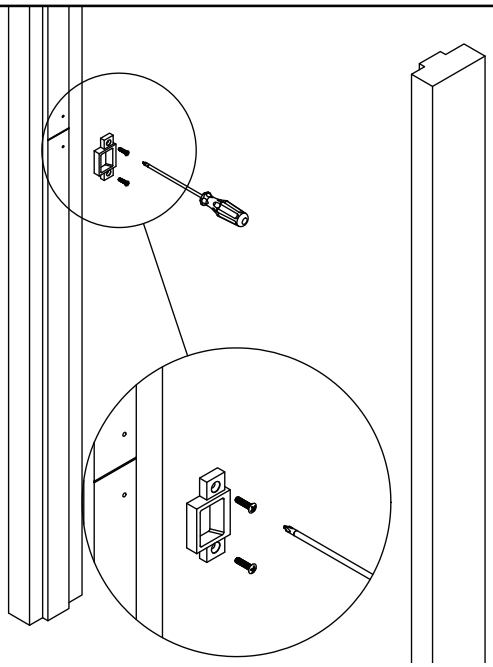
Place strike against frame, centered on the line marked in Step 1. With the strike pressed against the closed door, trace upper and lower strike slots.

3



Drill and tap #10-24 holes for strike (2 places).

4



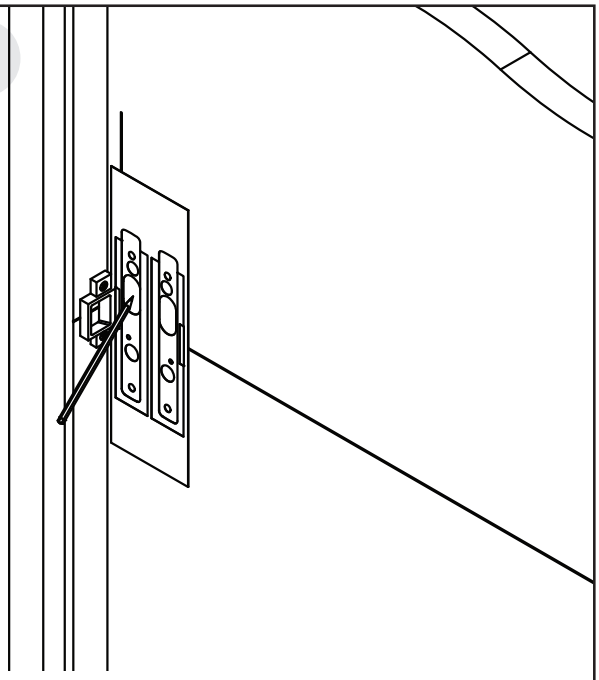
Install strike using oval head phillips #10-24 x 3/4" screws supplied.

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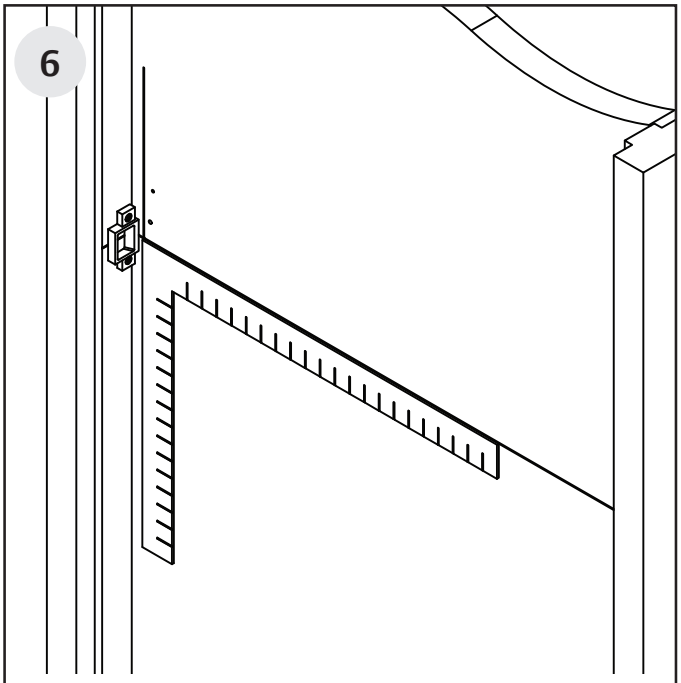
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5



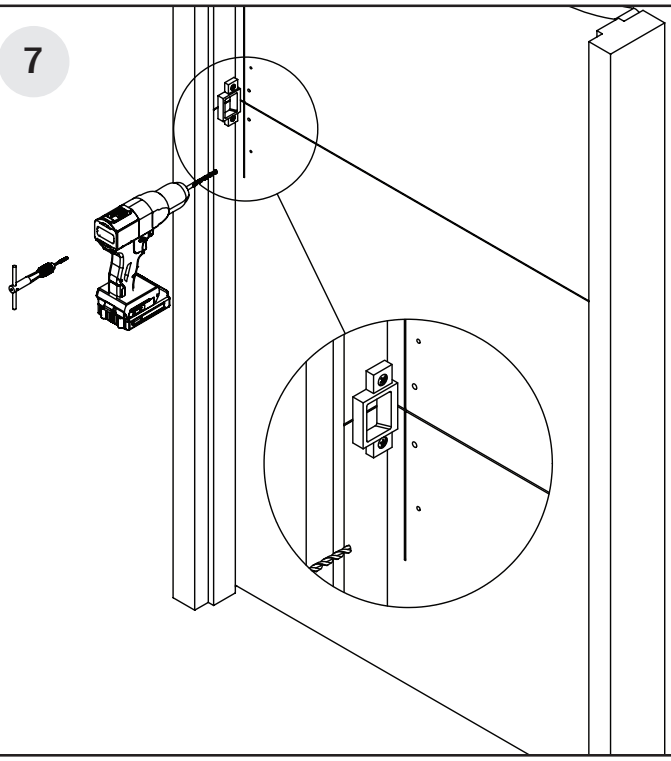
Place supplied paper template against the strike. Mark hole and mounting holes per device function.

6

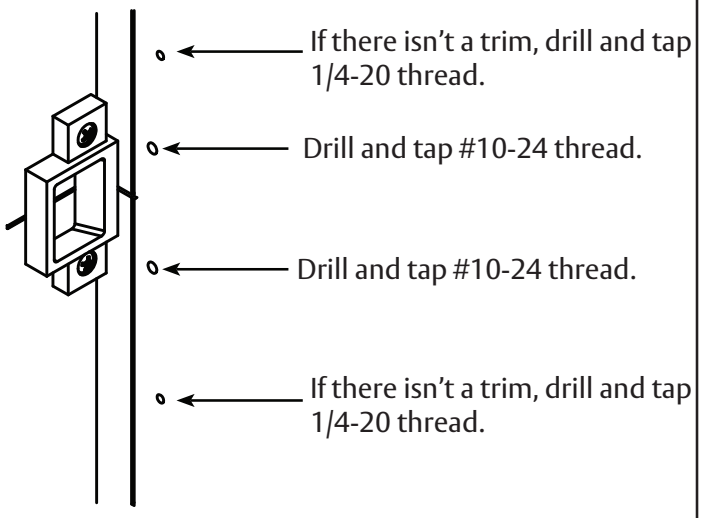


Using a square, extend centerline marks created in Step 1.

7

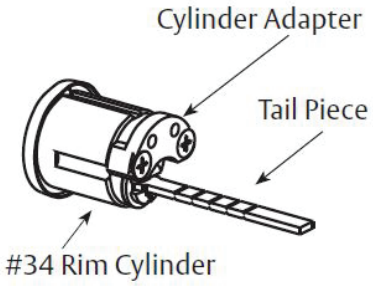


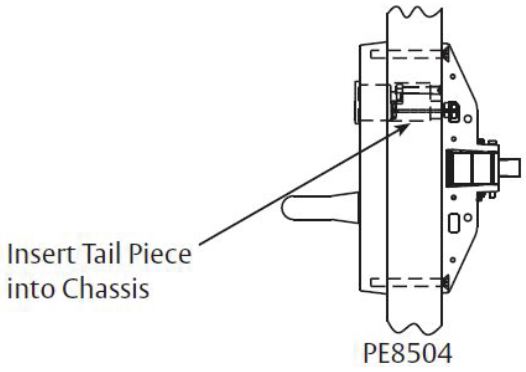
If there is a trim, the chassis is only held on to the door by the trim screws. Use the thru holes. See 7a or 7b.



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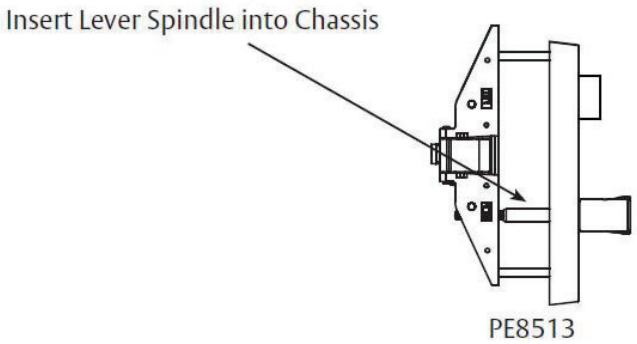
7a If you do have a trim: PE8500 / 12-PE8500 - 04, 44, 10, 40 Functions





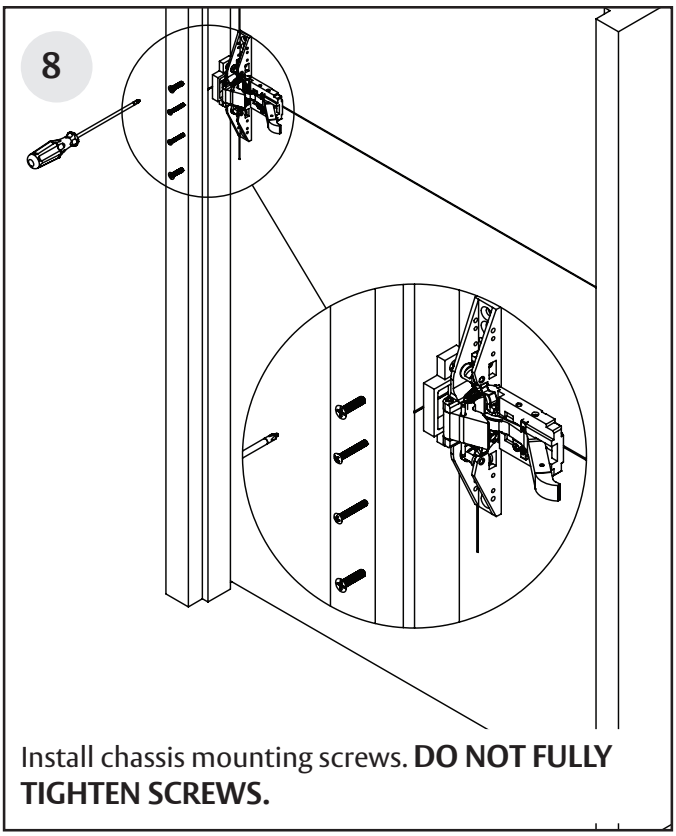
- Thru-bolt chassis to the trim.
- 04/44 functions: Install cylinder adapter on cylinder before installing cylinder in door. Ensure cylinder tail piece fully engages spindle hub. Trim excess tail piece.
- 10/40 Functions: Same except, no cylinder.
- **DO NOT FULLY TIGHTEN SCREWS.**

7b If you do have a trim: PE8500 / 12-PE8500 13, 15, 43, 73, 74 Functions



- Thru-bolt chassis to trim.
- Ensure spindle engages chassis.
- **DO NOT FULLY TIGHTEN SCREWS.**

8



Install chassis mounting screws. **DO NOT FULLY TIGHTEN SCREWS.**

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Rail cutting guide

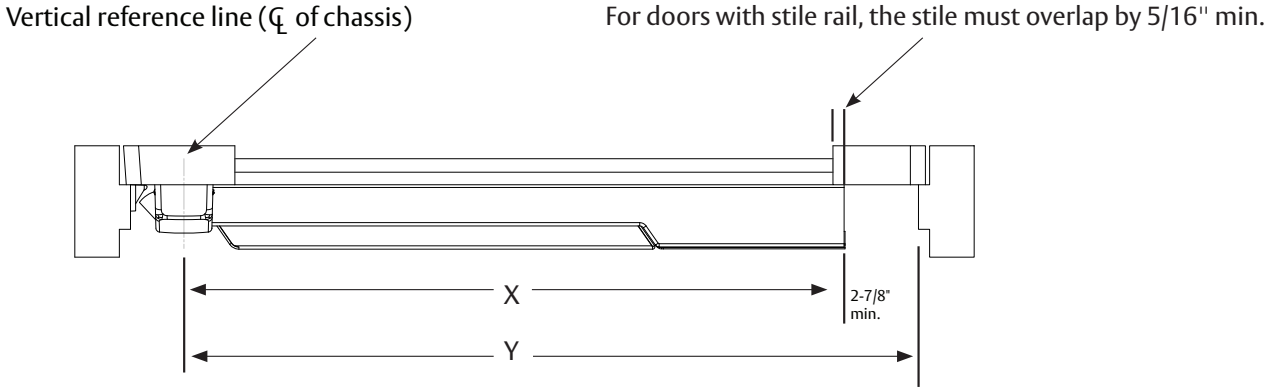
If the rail doesn't need to be cut, continue to page 10, step 9.
If the rail must be cut, follow these steps on page 8 and 9:

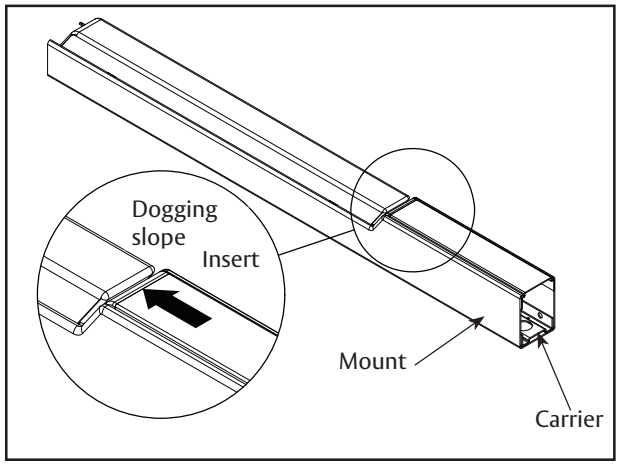
Refer to the individual exit device installation instructions for rail cutting requirements / restrictions. Instructions will vary based on device type and options.

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

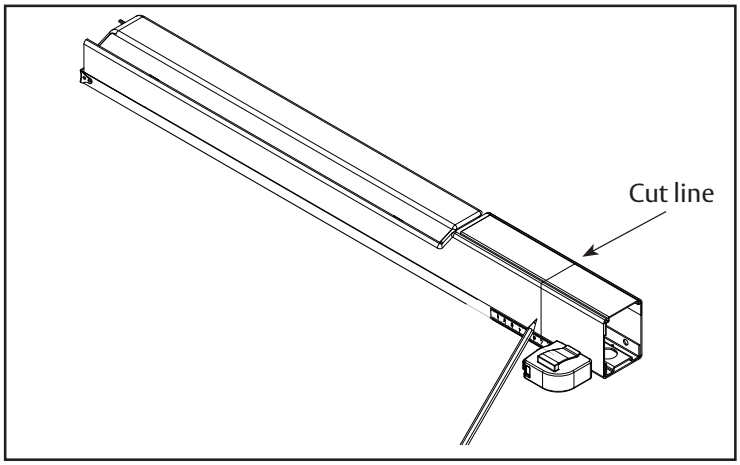
⚠ Do not cut closer than 1-5/8" from the the front edge of the rail insert.

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





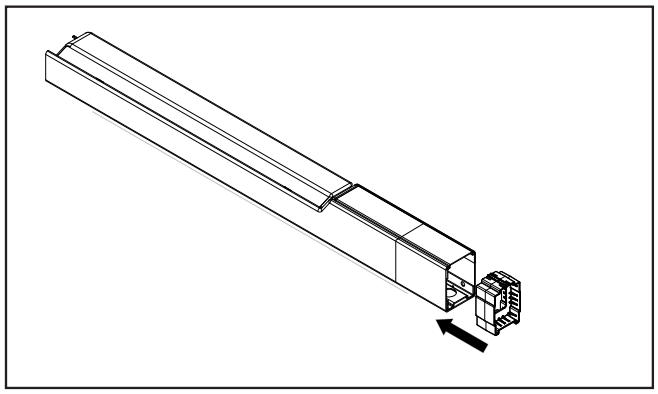
A. Ensure there isn't a gap between the insert and the dogging slope, and the carrier is flush with the mount.



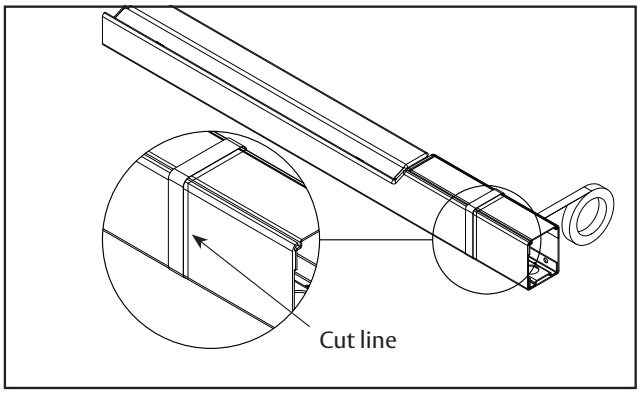
B. Mark rail at the required cut length.

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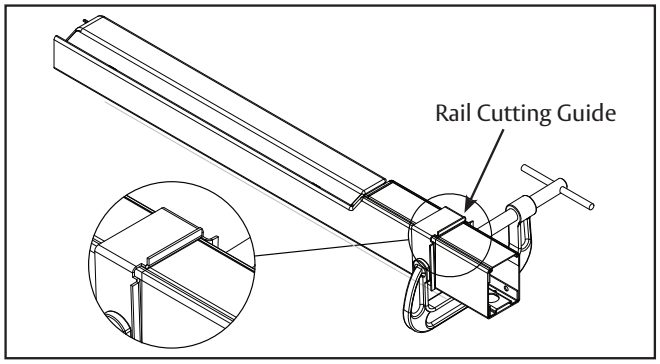
Rail cutting guide, continued.



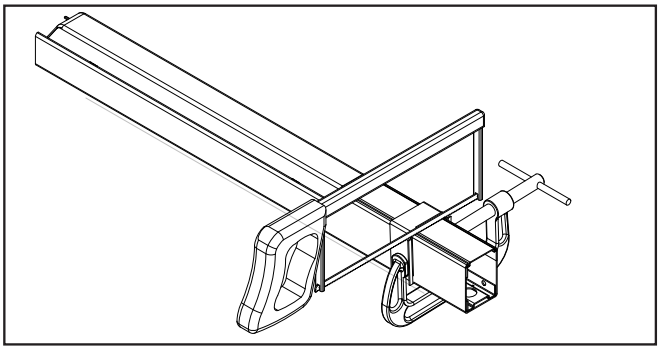
C. Ensure plastic insert support is installed under the cut line.



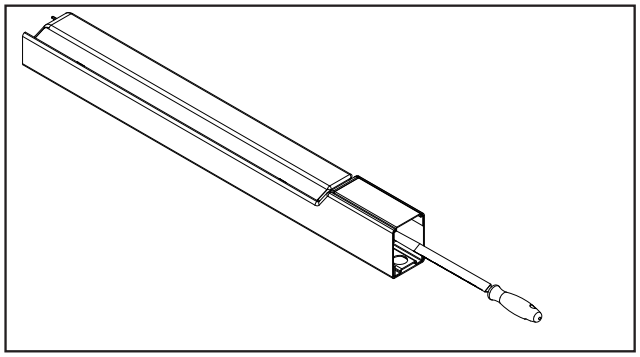
D. Wrap the rail and insert in masking tape, as shown.



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.



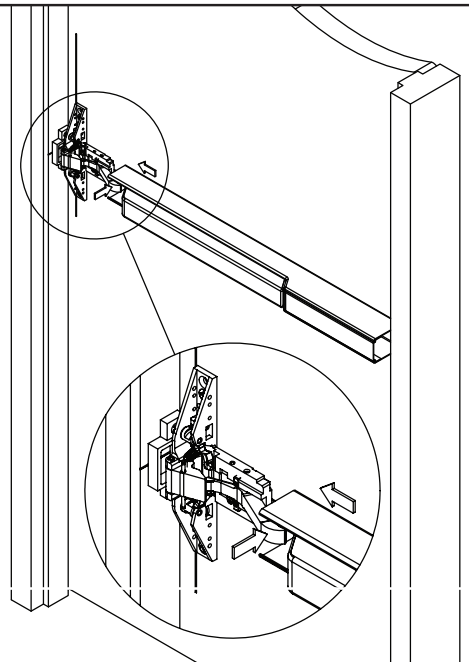
F. Using a hack saw with a new blade or a chop saw with a metal cutting blade, cut the rail, ensuring that the blade stays pressed against the rail cutting guide.



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

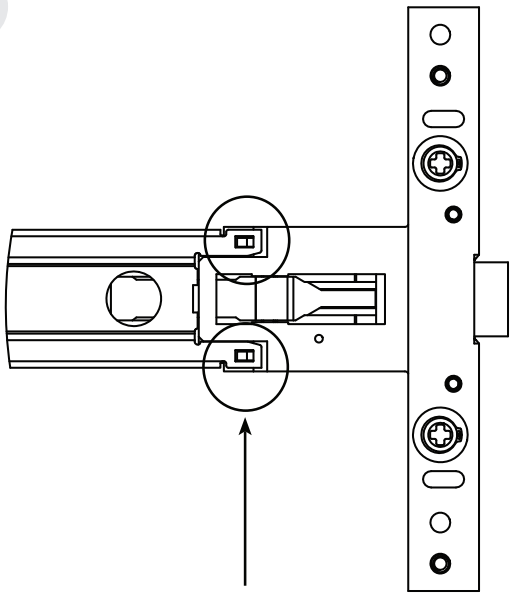
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9



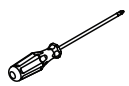
Depress chassis lift arm, and slide rail assemby onto chassis.

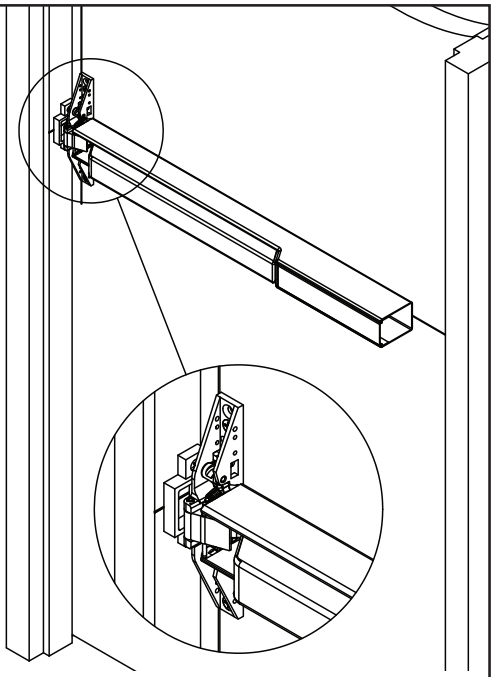
10



Ensure rail carrier tabs are aligned with chassis.

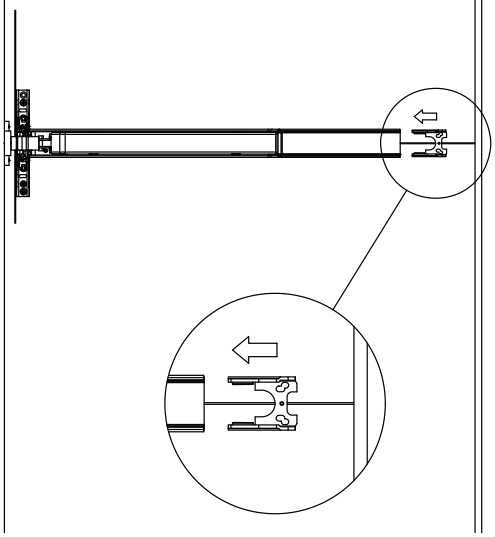
11





Fully tighten chassis screws.

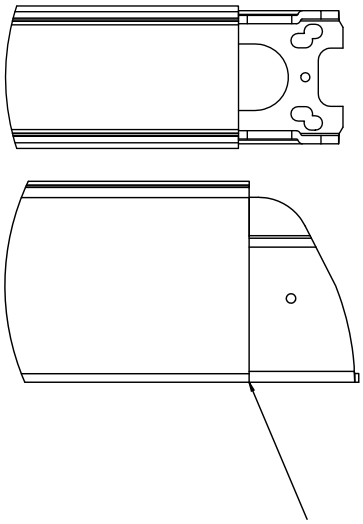
12



Insert the end cap bracket into the rail assembly.

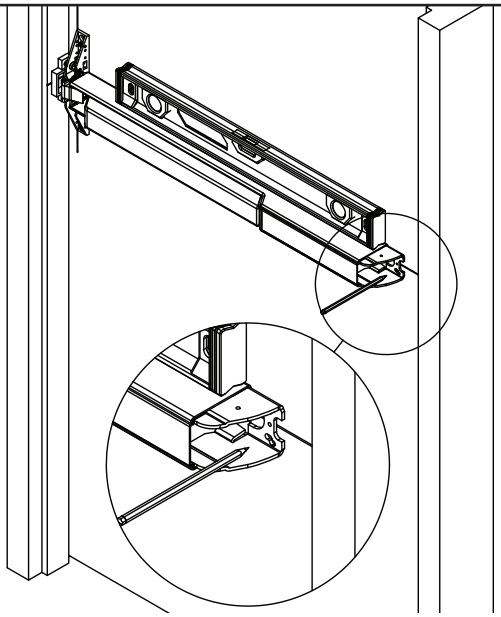
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13



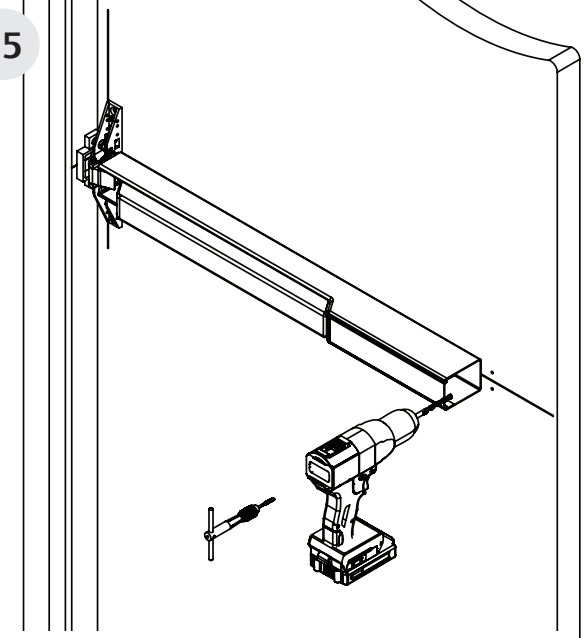
Ensure mounting rail bracket is against the rail without a gap.

14



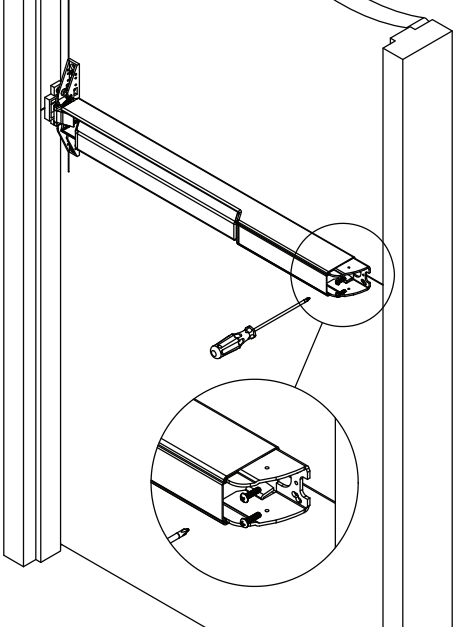
Level the rail and mark mounting holes, using the bracket as a guide.

15



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

16

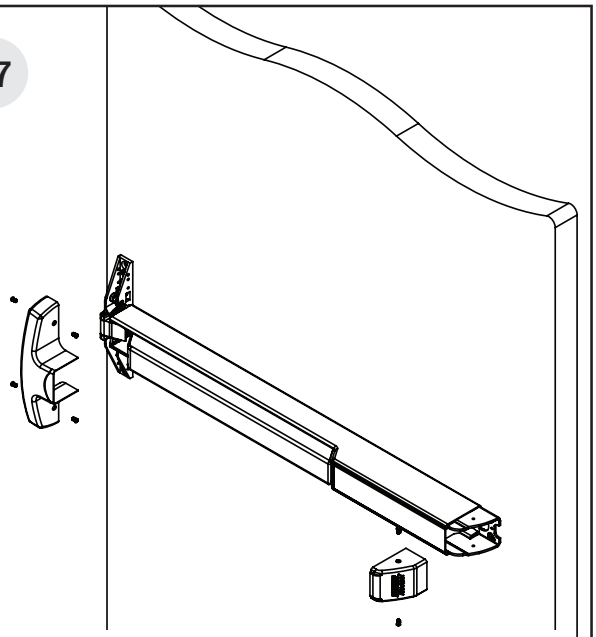


Install end cap bracket using round head phillips #10-24 x 1" screws, supplied.

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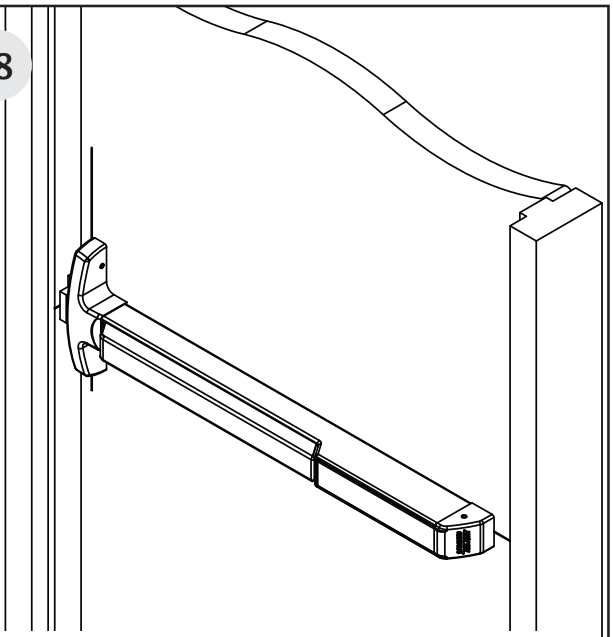
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ASSA ABLOY

17



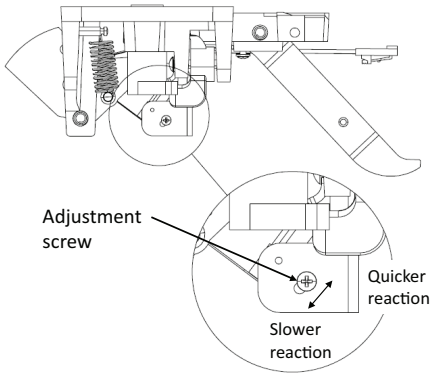
Install chassis and end cap cover using the supplied 8-32 x 5/16" oval head screws.

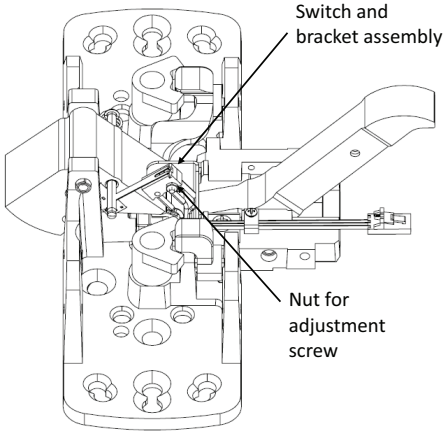
18



Check for proper operation.

19 (53-) Latch Bolt Monitoring Adjustment





- Loosen adjustment screw and nut.
- Rotate switch.
- Tighten adjustment screw and nut.
- Check operation.

For more information scan the QR code.

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