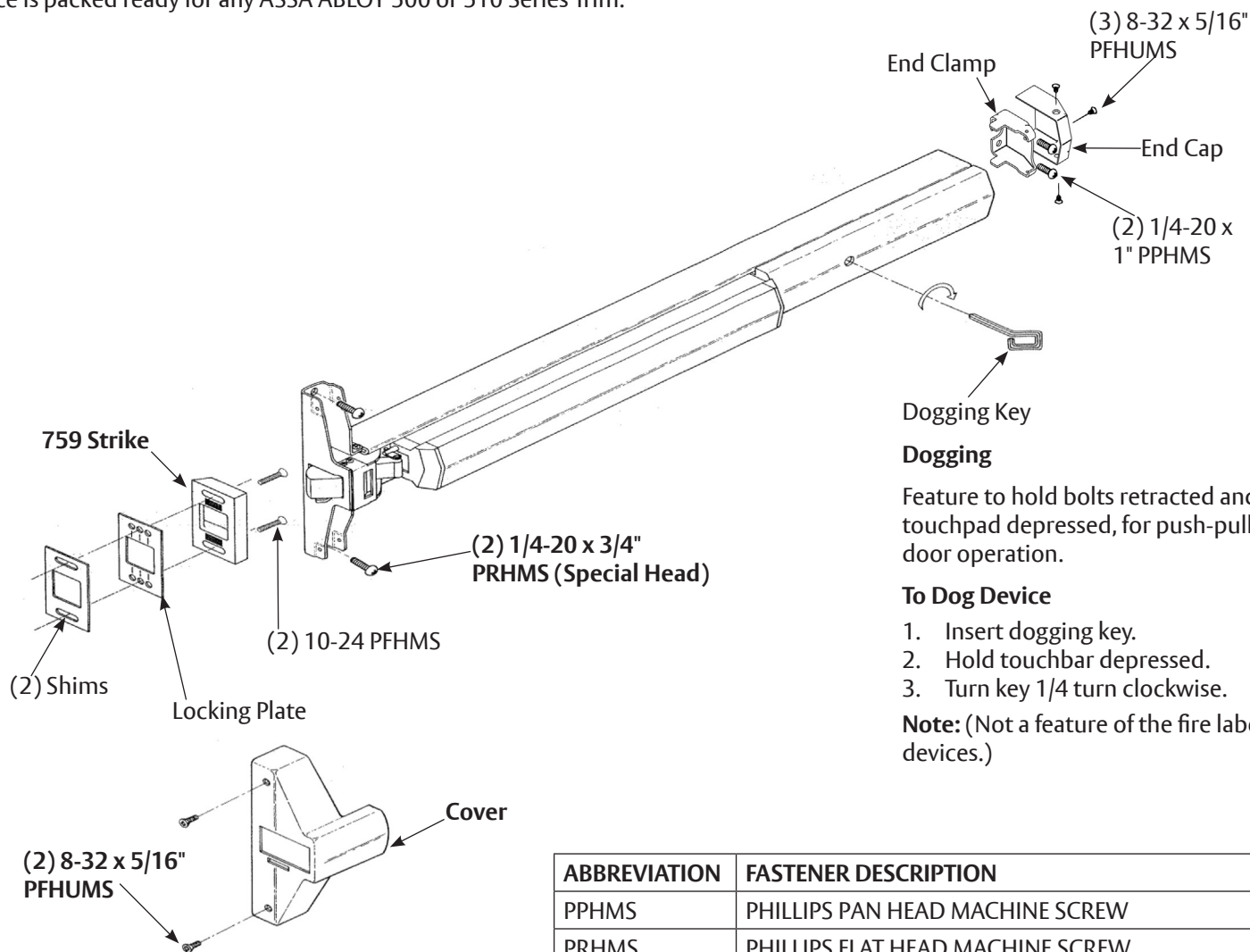# 7200 Rim Exit Devices

Single Doors or Pairs with M300 Mullion

Installation Instructions

ASSA ABLOY

Outside Trim

Device is packed ready for any ASSA ABLOY 500 or 510 Series Trim.

(3) 8-32 x 5/16" PFHUMS

End Clamp

End Cap

(2) 1/4-20 x 1" PPHMS

Dogging Key

759 Strike

(2) 1/4-20 x 3/4" PRHMS (Special Head)

(2) 10-24 PFHMS

(2) Shims

Locking Plate

Dogging

Feature to hold bolts retracted and touchpad depressed, for push-pull door operation.

To Dog Device

1. Insert dogging key.
2. Hold touchbar depressed.
3. Turn key 1/4 turn clockwise.

Note: (Not a feature of the fire labeled devices.)

Cover

(2) 8-32 x 5/16" PFHUMS

ABBREVIATION	FASTENER DESCRIPTION
PPHMS	PHILLIPS PAN HEAD MACHINE SCREW
PRHMS	PHILLIPS FLAT HEAD MACHINE SCREW
PFHMS	PHILLIPS FLAT HEAD UNDER CUT MACHINE SCREW
PFHUMS	PHILLIPS ROUND HEAD MACHINE SCREW

⚠ 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: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and ASSA ABLOY makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.
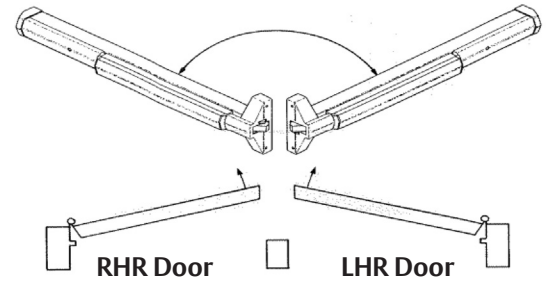
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Maintenance

1. Periodically remove covers and coat mechanisms with a silicone base lubricant. This is particularly required in corrosive environments for proper product function.
2. Check mounting fasteners periodically. Retighten if found loose. Apply screw locking compound (available at automotive part stores) or change part fasteners if screws continue to back up.

For Narrow Stile Metal Doors of Either Hand

RHR Door   **LHR Door**
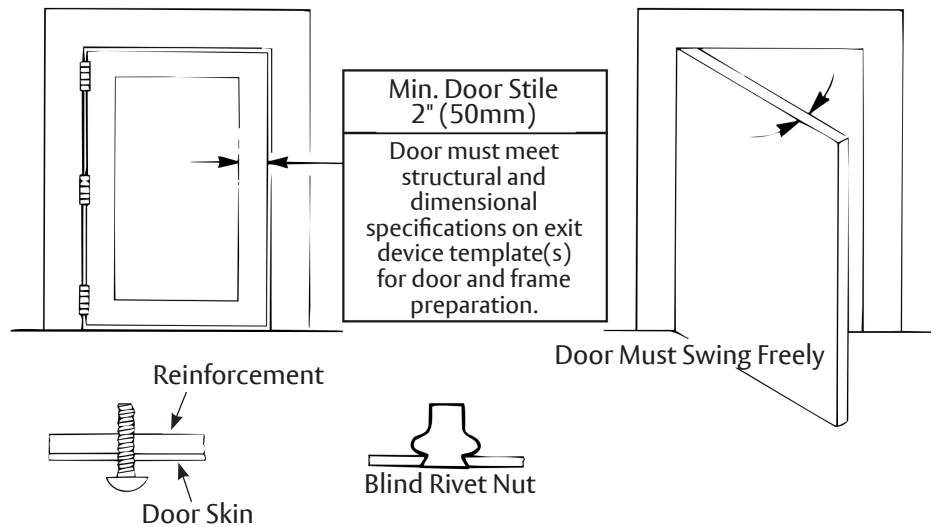
Check Before Starting

Unreinforced Door or Frames

Doors and Frames with walls having a structural thickness (metal skin plus reinforcement or solid hardwood) to engage less than (3) full screw threads are considered unreinforced.
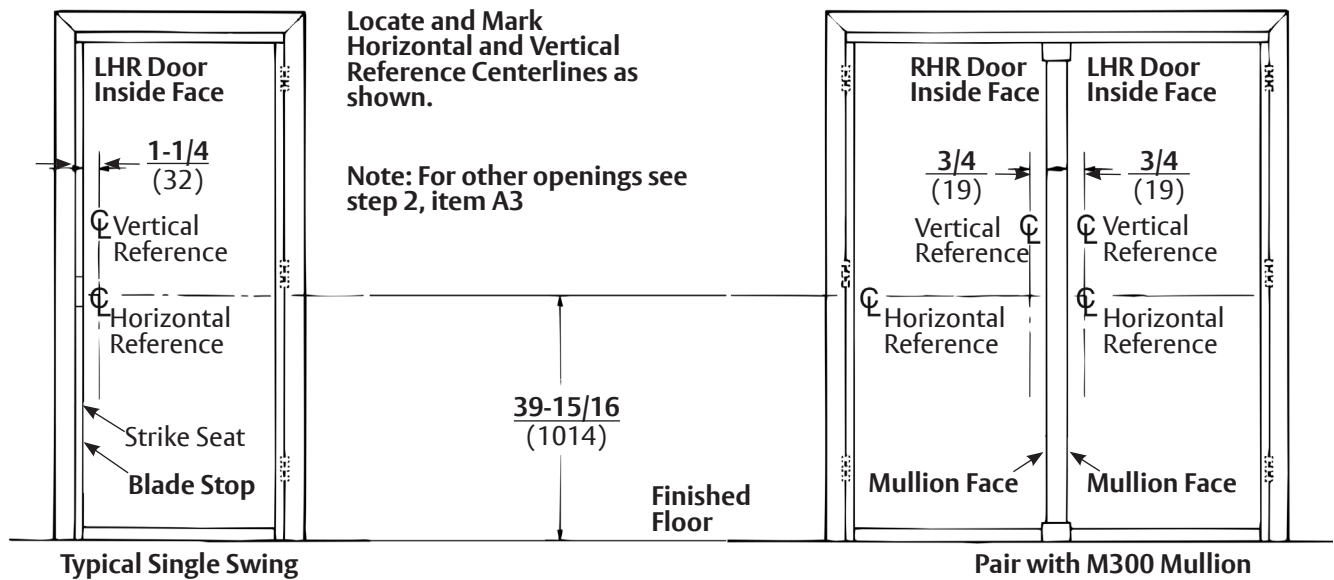
Unreinforced Doors: Use SNB (sex nuts and bolts).

Unreinforced Frames: Use Blind Rivet Nuts.

Recommended fasteners for unreinforced openings are not necessarily supplied by ASSA ABLOY Security, Inc.
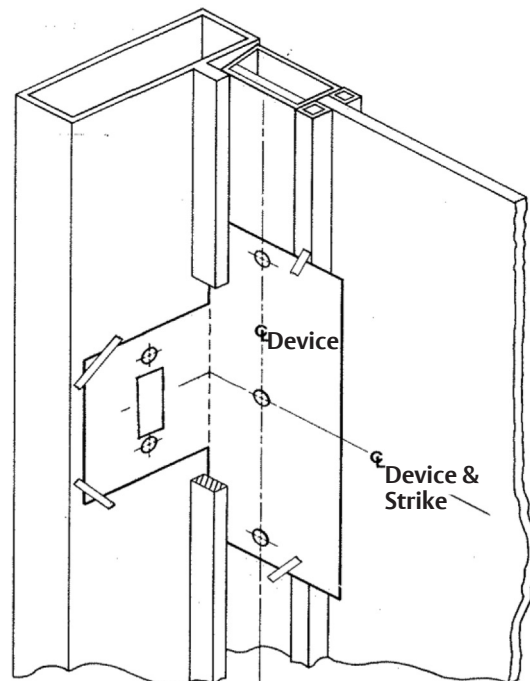
Min. Door Stile 2" (50mm)

Door must meet structural and dimensional specifications on exit device template(s) for door and frame preparation.

Door Must Swing Freely

Reinforcement

Door Skin

Blind Rivet Nut

1. Mark Door

LHR Door Inside Face

1-1/4 (32)

℄ Vertical Reference

℄ Horizontal Reference

Strike Seat

Blade Stop

Typical Single Swing

Locate and Mark Horizontal and Vertical Reference Centerlines as shown.

Note: For other openings see step 2, item A3

39-15/16 (1014)

Finished Floor

RHR Door Inside Face   **LHR Door Inside Face**

3/4 (19)   3/4 (19)

Vertical Reference   ℄   ℄ Vertical Reference

℄ Horizontal Reference   ℄ Horizontal Reference

Mullion Face   **Mullion Face**

Pair with M300 Mullion

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7200 Rim Exit Devices
Single Doors or Pairs with M300 Mullion
Installation Instructions

2. Prepare Door & Frame

1. Determine opening requirements.
   a. Aluminum Single Openings:
      Stop must be notched to clear strike.
      Cutout is 3-1/8" (79) long, centered on Device centerline.
   b. Pairs with M300 Mullions ***:
      Cut off and discard strike portion of Installation Template.
   c. Other openings:
      Door stile should exceed 2" (51) by height of frame stop or 1/2 the width of the mullion.
2. Seat template on door and jamb face (if pertinent).
3. Align template with horizontal and vertical Device centerline on door. Tape template in place.
4. Locate and tape Trim Template on door. (See instructions packed with trim.)
5. Spot and prepare holes.
   a. **Device:** (2) 1/4-20 Machine Screws*, or (2) 3/8" (9.5) Dia. Sex Nuts and Bolts
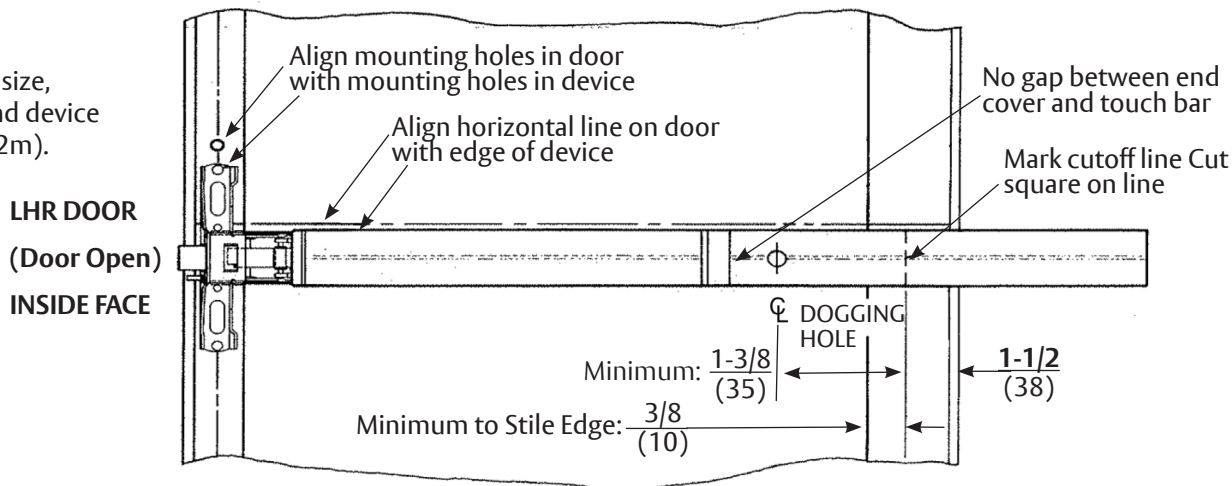   b. **Strike****: (2) 10-24 Machine Screws

Notes:

(*) Reinforced doors only.

(**) Plus template cutouts, if not factory prepared.

(***) Strike machined into the mullion. Position device carefully.

Device

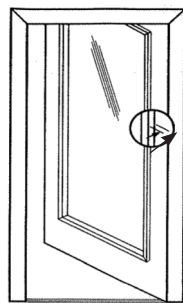Device & Strike

3. Size Device

Device must be field cut to size, unless standard opening and device are 36" (0.91m) or 48" (1.22m).

Align mounting holes in door with mounting holes in device

Align horizontal line on door with edge of device

No gap between end cover and touch bar

Mark cutoff line Cut square on line

LHR DOOR

(Door Open)

INSIDE FACE

C̵L DOGGING HOLE

Minimum: $\frac{1\text{-}3/8}{(35)}$

Minimum to Stile Edge: $\frac{3/8}{(10)}$

$\frac{1\text{-}1/2}{(38)}$

4. Clear Raised Door Molding

Device must seat flush on door surface or on shims that keep it parallel to door face.

(1) Shim Kit #723N required for each 1/8" (3mm) of device lift needed. Longer device mounting screws needed when more than two (2) Shim Kits are used.

1) Shim Kit #723N per 1/8" (3.2) of raised molding
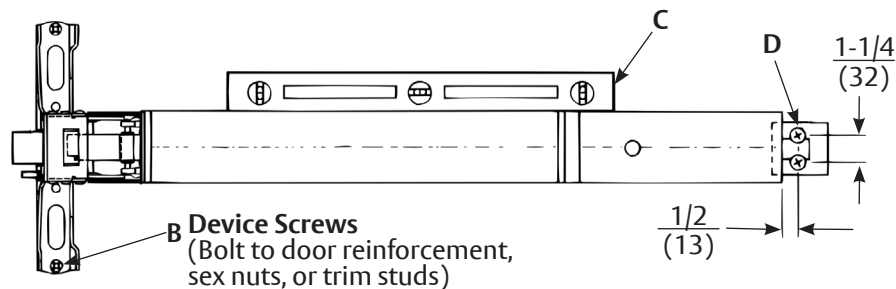
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5. Install Device
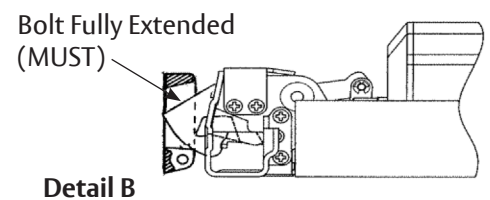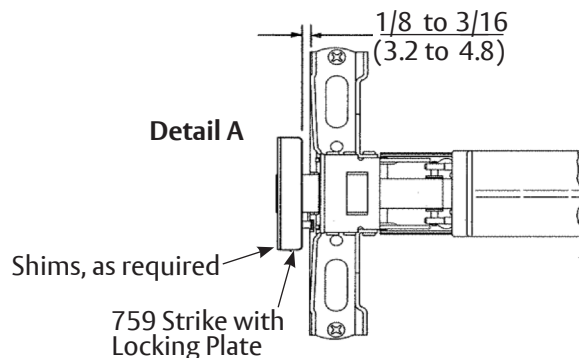
A. Mount Trim (Follow instructions packed with trim).
B. Seat Bar in place. (Projecting C-Cam boss must penetrate into door hole). Fasten Device Head (2 PRHMS or SNB).
C. Set Bar level. Locate End Clamp holes.
D. Prepare End Clamp Mounting holes. Mount End Clamp. (2 #1/4-20 PRHMS or 3/8" (10) dia. SNB)
E. Check Bolt Retraction.
   1. Depress touchbar (bolts must retract). Release touchbar (bolts must extend).
   2. Actuate trim (bolts must retract). Release trim actuator (bolts must extend).
   3. Depress touchbar, turn dogging key clockwise (bar must remain depressed, bolts must remain retracted). Turn dogging key counterclockwise (bar and bolts must return to extended position).
4. Tighten all mounting screws.

Note: When resulting operation is faulty, check first for visible binding or interference. If there is no apparent reason for the fault, remove item from the door and recheck its operation 3. Depress touchbar, turn dogging key clockwise (bar must before assuming that it is defective.

B Device Screws (Bolt to door reinforcement, sex nuts, or trim studs)

C
D
1-1/4 (32)
1/2 (13)

6. Install Strike

A. Position Strike Projection (Strike + Locking Plate + Shims, if needed. See Detail A.
B. Position Strike Depth. See Detail B.
C. Fasten Strike securely (2 PFHMS).
D. Check Bolt Engagement.
   1. Bolt should retract to clear the strike when actuated by bar, trim, or dogging action. Bolt should consistently reengage the strike when actuators are released and the door shuts.
   2. Door should remain latched and not rattle when pushed, pulled, or shaken in/out.

1/8 to 3/16 (3.2 to 4.8)

Detail A

Shims, as required

759 Strike with Locking Plate

Bolt Fully Extended (MUST)

Detail B

7. Install Head Cover & End Cap Top

Use (2) 8-32 PFHUMS for Head Cover

Use (3) 8-32 PFHUMS for End Cap

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