7500 Series Door Closer

Non-Hold Open, Regular Arm, Top Jamb & Parallel Arm with or without Delayed Action. with or without Metal Cover

Installation Instructions

⚠ WARNING

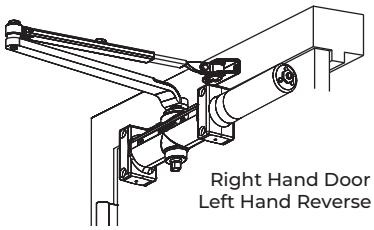
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to: www.P65warnings.ca.gov.

READ AND FOLLOW ALL INSTRUCTIONS.
SAVE THESE INSTRUCTIONS.

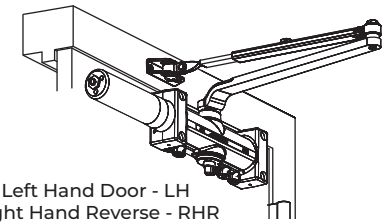
CAUTION

An incorrectly installed or improperly adjusted door closer can cause property damage or personal injury. These instructions should be followed to avoid the possibility of misapplication or misadjustment.

Regular Arm

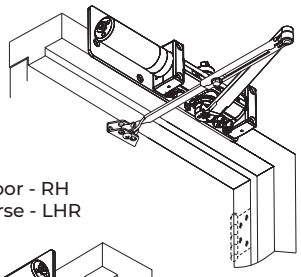


Right Hand Door - RH
Left Hand Reverse - LHR

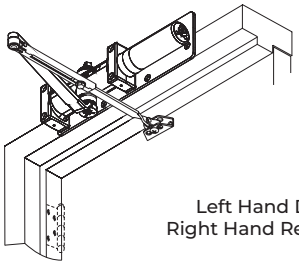


Left Hand Door - LH
Right Hand Reverse - RHR

Top Jamb Mount

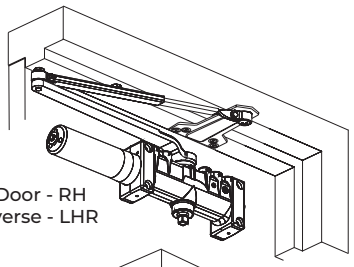


Right Hand Door - RH
Left Hand Reverse - LHR

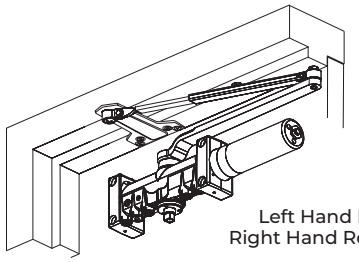


Left Hand Door - LH
Right Hand Reverse - RHR

Parallel Arm

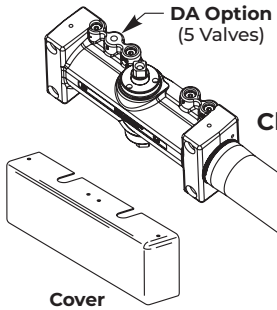


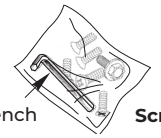
Right Hand Door - RH
Left Hand Reverse - LHR



Left Hand Door - LH
Right Hand Reverse - RHR

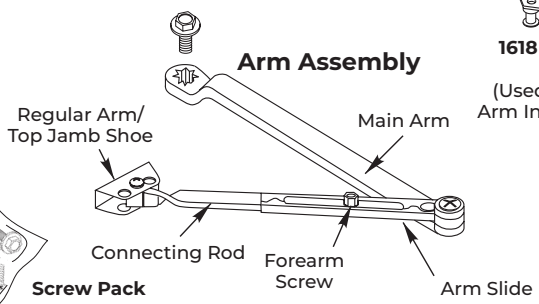
Included Components (See page 2 for mounting hardware)

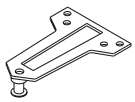




1/8" Hex Wrench

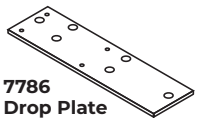
Screw Pack



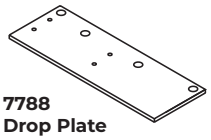


1618 Parallel Arm Bracket
(Used with Parallel Arm Installation Only)

Optional Components

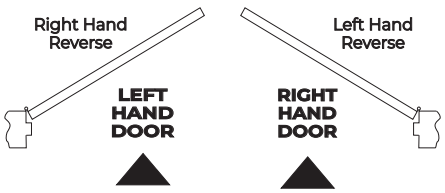


7786 Drop Plate



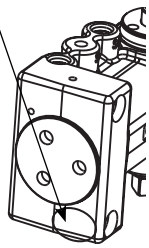
7788 Drop Plate

To Determine Your Hand of Door:



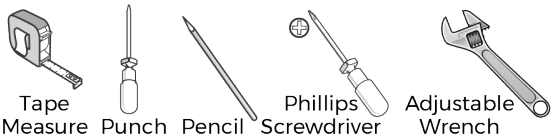
To Identify Model:

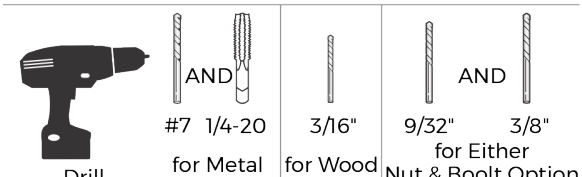
Older models may be stamped "1-6", "1-4" or "2-6". They can be replaced with a newer "1-6" model which has no stamp.



Standard 7500 = 4 valves
Delayed Action 7500DA = 5 valves

Tools Needed:





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80-9377-1201-020 Rev 4 06/26

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NORTON RIXSON
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7500 Series

Non-Hold Open, Regular Arm, Top Jamb & Parallel Arm

ATTENTION:
An incorrectly installed or improperly adjusted door closer can cause property damage or personal injury. These installation instructions should be followed to avoid the possibility of misapplication or misadjustment.

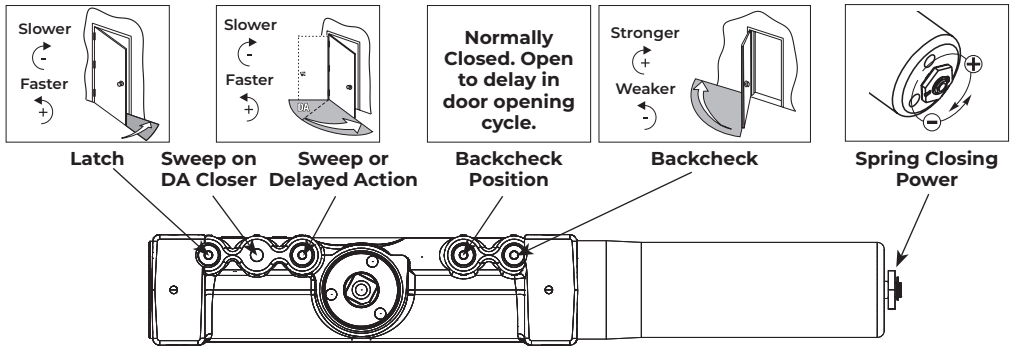
- For special applications, a separate door and frame preparation template is packed with these instructions. Use these instructions for installation sequence and closer adjustments only.
- 7500 Series closing force is adjustable from 1-6 as outlined in ANSI Standard A156.4. When closer is adjusted to conform to ADA reduced opening force requirements (5 lbs max.) for interior doors, it may not have adequate closing force to reliably close and latch door. Charted power adjustments in instructions are recommended where possible, to ensure proper door control.
- Doors should be hung on ball bearing or anti-friction hinges.
- A separate door stop is recommended.
- Always consult door/frame manufacturer for fastener compatibility.
- Door and frame must be properly reinforced.
- Adjust closing time speed between 3 - 7 seconds from 90° - 0°.
- These door closers should NOT be installed on exposed side (weather side) of exterior doors.
- Dimensions are given in inches (millimeters).

Mounting Hardware		Door or Frame	Drill
	**Arm Shoe or Optional PA Bracket:** 1/4-14 x 1-1/2 Flat Head Self Drilling Screw	Wood	3/16" (4.76mm)
		Aluminum or Metal	no drill required
	**Closer:** 1/4-14 x 3 Flat Head Self Drilling Screw	Wood	3/16" (4.76mm)
		Aluminum or Metal	no drill required
	**Arm Shoe or Optional PA Bracket:** 1/4-20 x 1-1/2 Oval Head Machine Screw	Metal	Drill #7 (.201 dia. or 5.10mm) Tap 1/4-20
	**Closer:** 1/4-20 x 3 Flat Head Machine Screw		
	**Arm to Optional PA Bracket:** 1/4-20 x 1/2 Oval Head Machine Screw	N/A	N/A
	**Closer or Arm Shoe:** Sleeve Nut and Bolt (SNB) (standard with tri-pack closers, optional for JL7500)	Hollow Metal	9/32" (7.00mm) thru 3/8" (9.50mm) door face opposite to closer
		Aluminum or Wood	3/8" (9.50mm) thru
	**Closer or Arm Shoe:** Thru Bolt and Grommet Nut (TBGN) (optional)	All	9/32" (7.00mm) thru 3/8" (9.50mm) dia. x 3/8" (9.500mm) deep, door face opposite to closer

Closer Adjustments

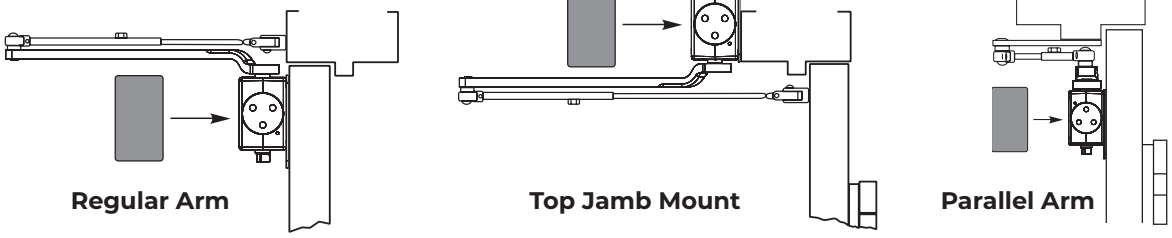
Use provided hex wrench to turn valves.
NEVER force valves out of closer.
NEVER completely close backcheck valve.

Door must be open to adjust spring closing power. Refer to specific charts on installation pages. **Do not use a power drill. Warranty will be void.**



Cover

Do not over tighten screws.



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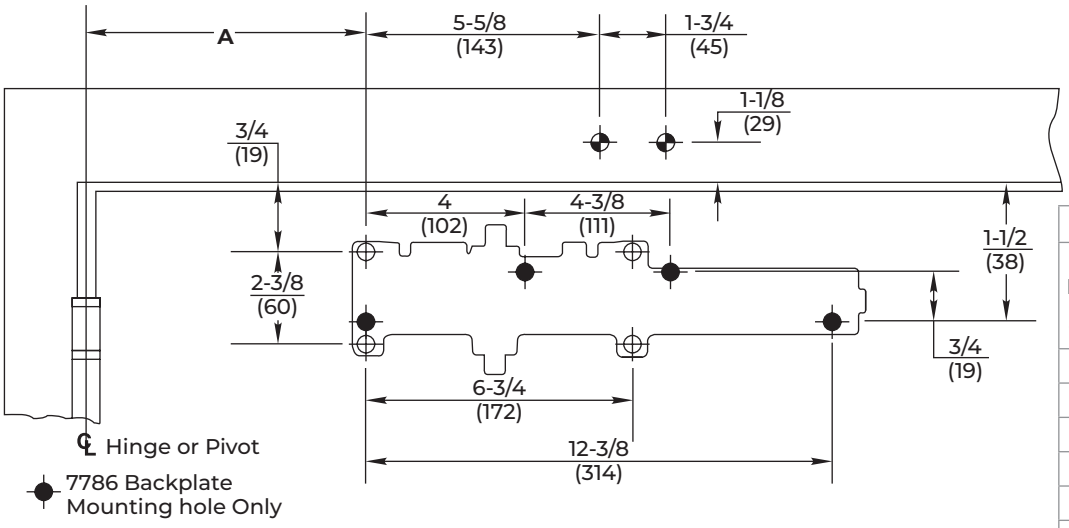
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7500 Series
Non-Hold Open, Regular Arm, Top Jamb & Parallel Arm

Regular Arm Installation

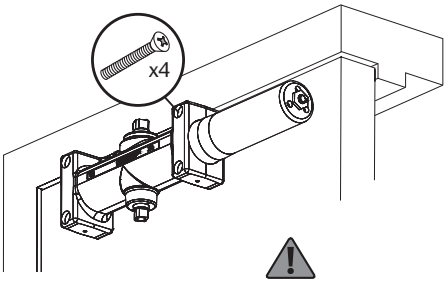
A. Prepare door and frame.



Opening	Dim A
	inches (mm)
to 100°	7-5/8 (194)
101° to 120°	6-5/8 (168)
121° to 150°	4-5/8 (117)
151° to 180°	4-1/8 (105)

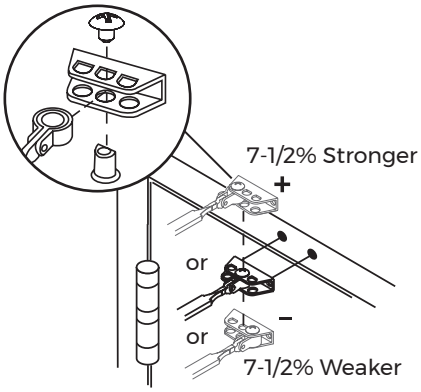
Power Adjustment Chart		
Maximum Interior Door Size inches (mm)	Maximum Exterior Door Size inches (mm)	Turns from Zero
32 (813)	28 (711)	5
36 (914)	34 (864)	8-1/2
42 (1067)	38 (965)	11
52 (1321)	42 (1067)	13-1/2
60 (1524)	48 (1219)	16-1/2
NOTE: Maximum of 16-1/2 turns (360°) of Power Nut Adjustment		

B. Mount optional back-plate and/or closer to door.

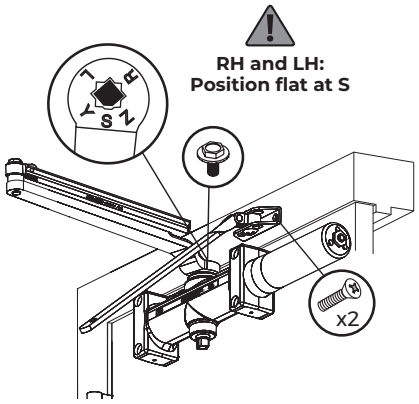


Closer tube AWAY from hinge.
Left Hand = Valves DOWN
Right Hand=Valves UP

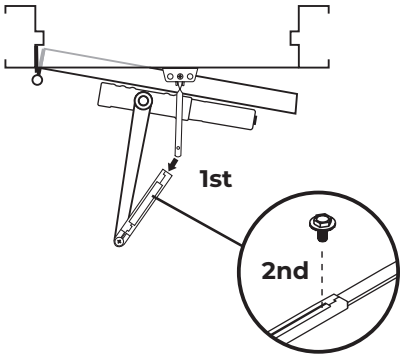
C. Choose arm placement in shoe.



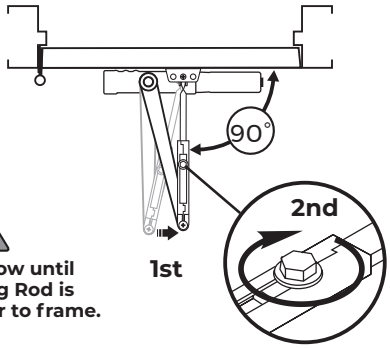
Cb. Install separate arms.



D. Connect arms and install forearm screw.



E. Preload spring and tighten forearm screw.



Rotating arm preloads closer spring power.

Rotate elbow until Connecting Rod is perpendicular to frame.

The **7500 Non Hold Open Closer - Regular Arm** has now been installed.

Go to page 2 for closer adjustments and cover installation.

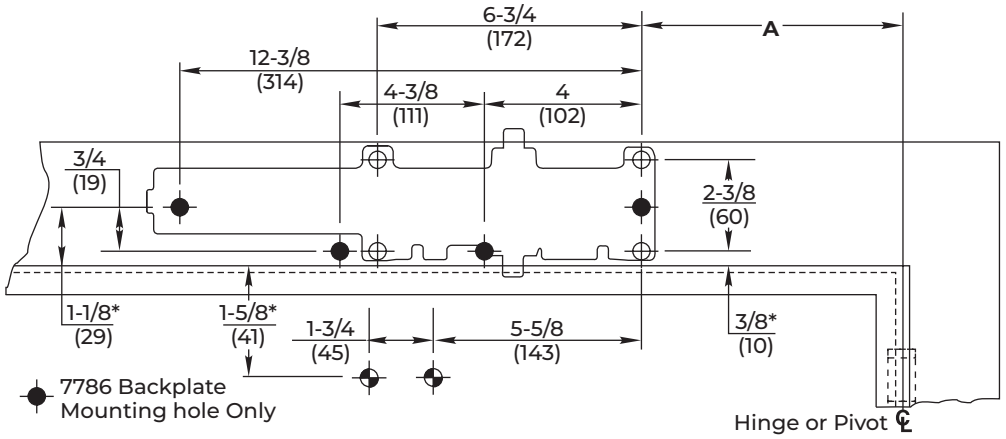
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7500 Series

Non-Hold Open, Regular Arm, Top Jamb & Parallel Arm

Top Jamb Mount Installation

A. Prepare door and frame.



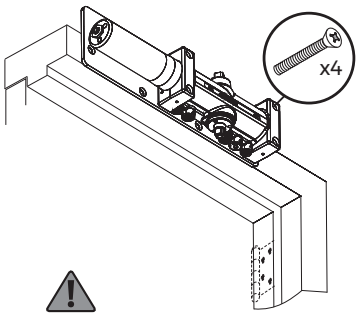
Power Adjustment Chart		
Maximum Interior Door Size inches (mm)	Maximum Exterior Door Size inches (mm)	Turns from Zero
32 (813)	28 (711)	5
36 (914)	34 (864)	8-1/2
42 (1067)	38 (965)	11
52 (1321)	42 (1067)	13-1/2
60 (1524)	48 (1219)	16-1/2
NOTE: Maximum of 16-1/2 turns (360°) of Power Nut Adjustment		

* Always use frame or transom rabbet as reference plane, not bottom of stop.

Reveal Range	Door Swing	Model	Complete Arm	Adjusting Rod
Under 3" (76)	180°	7500	7701-1	7701-11
3" to 4-1/4" (76 to 108)	180°	J7500	7701-1A	7701-11A
4-1/4" to 6-7/8" (108 to 175)	150°	J7500	7701-1A	7701-11A
4-1/4" to 6-7/8" (108 to 175)	180°	JI7500	7701-1B	7701-11B

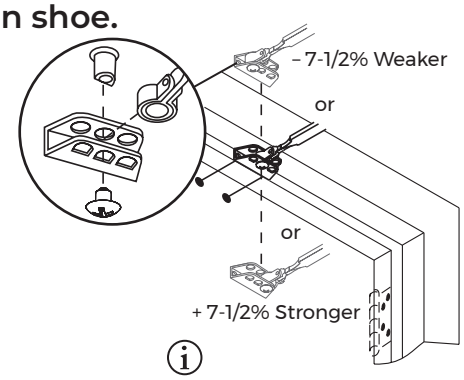
Opening	Dim A
	inches (mm)
to 100°	7-5/8 (194)
101° to 120°	6-5/8 (168)
121° to 150°	4-5/8 (117)
151° to 180°	4-1/8 (105)

B. Mount optional backplate and/or closer to frame.



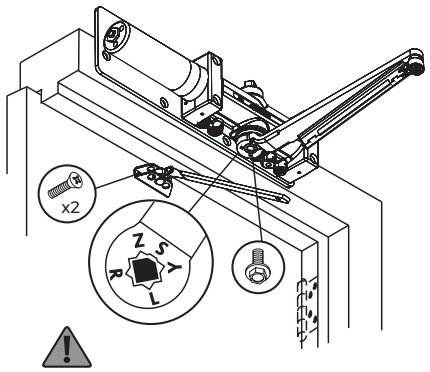
Closer tube AWAY from hinge.
Left Hand = Valves UP
Right Hand=Valves DOWN

C. Choose arm placement in shoe.



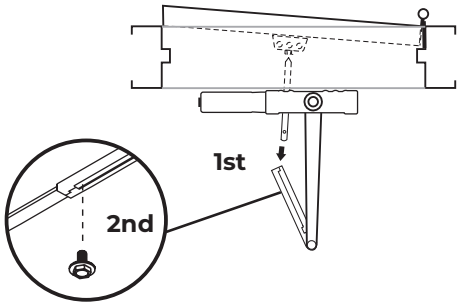
Longer adjusting rod or different arm might be required for frame conditions. See Reveal Range chart above.

Cb. Install separate arms.



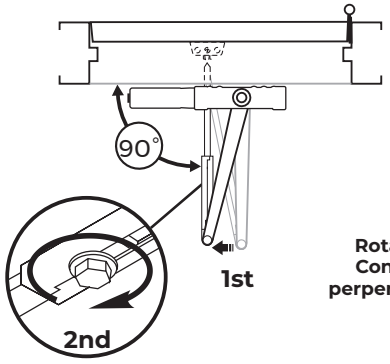
RH and LH:
Position flat S

D. Connect arms and install forearm screw.



E. Preload spring and tighten forearm screw.

Rotating arm preloads closer spring power.



Rotate elbow until Connecting Rod is perpendicular to frame.

The **7500 Non Hold Open Closer - Top Jamb Mount** has now been installed.

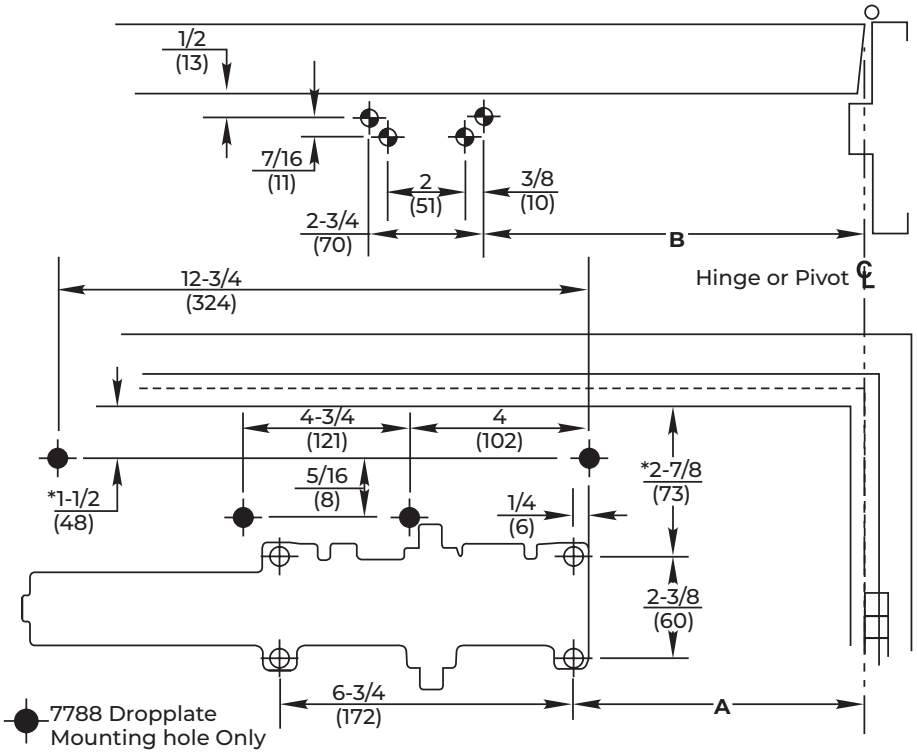
Go to page 2 for closer adjustments and cover installation.

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Parallel Arm Installation

A. Prepare door and frame.

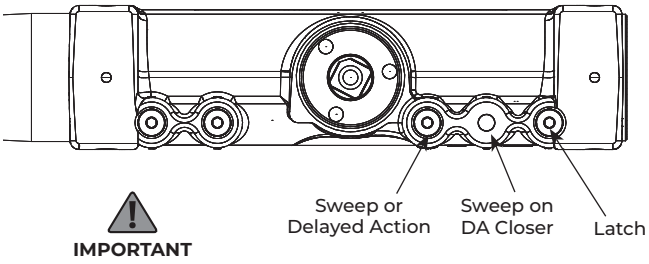


Opening	Dim A	Dim B
	inches (mm)	inches (mm)
to 100°	8-3/4 (222)	9-1/4 (235)
101° to 130°	7-1/4 (184)	7-3/4 (197)
131° to 150°	6-1/4 (159)	6-3/4 (171)
151° to 180°	5-1/4 (133)	5-3/4 (146)

Power Adjustment Chart		
Maximum Interior Door Size inches (mm)	Maximum Exterior Door Size inches (mm)	Turns from Zero
30 (762)	26 (660)	7
34 (864)	30 (762)	9
38 (965)	36 (914)	12-1/2
48 (1219)	42 (1067)	14-1/2
54 (1372)	48 (1219)	16-1/2
NOTE: Maximum of 16-1/2 turns (360°) of Power Nut Adjustment		

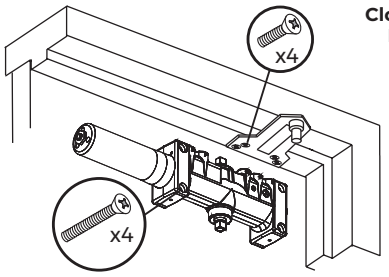
***Assuming 5/8" (16) stop height**

B. Close latch and sweep valves.



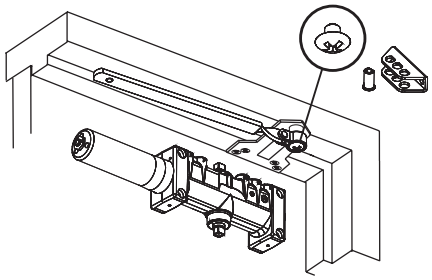
IMPORTANT

C. Install soffit plate and mount optional backplate and/or closer.

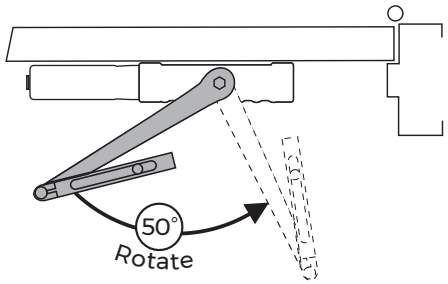


Closer tube AWAY from hinge.
Left Hand = Valves DOWN
Right Hand=Valves UP

D. Remove arm shoe and install forearm to plate.



E. Place main arm on closer spindle and rotate approximately 50 degrees.



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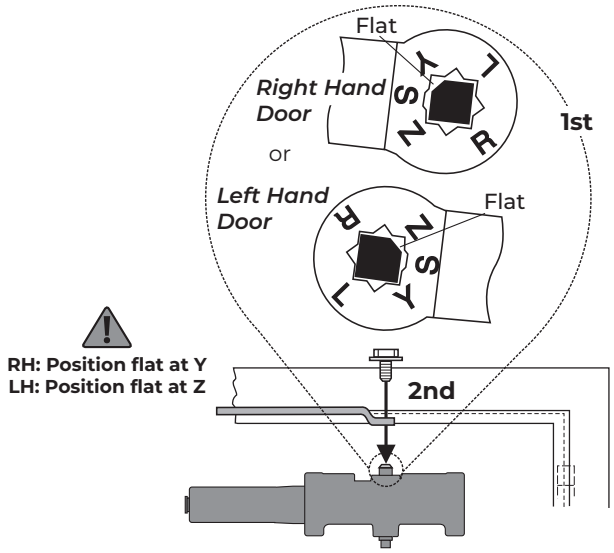
The ASSA ABLOY Group is the global leader in access solutions. Every day we help people feel safe, secure and experience a more open world.

NORTON RIXSON

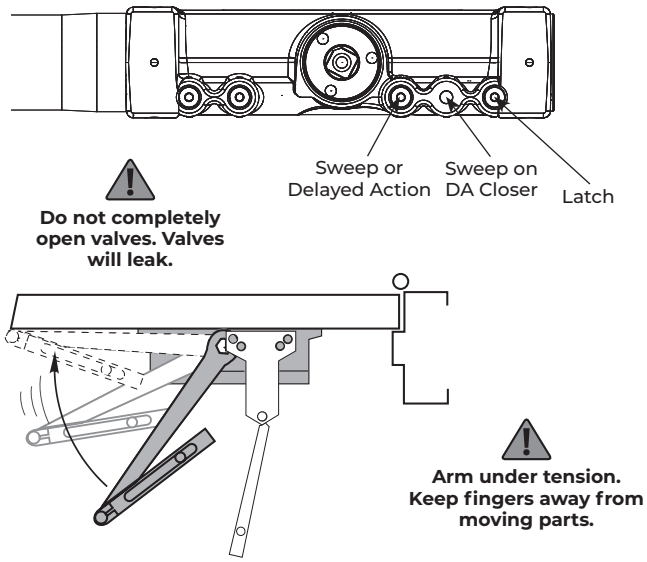
ASSA ABLOY

Parallel Arm Installation (cont.)

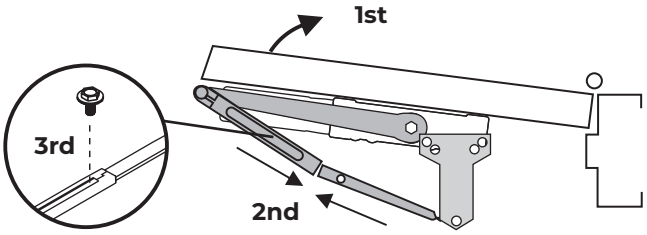
F. Remove arm and attach as shown.



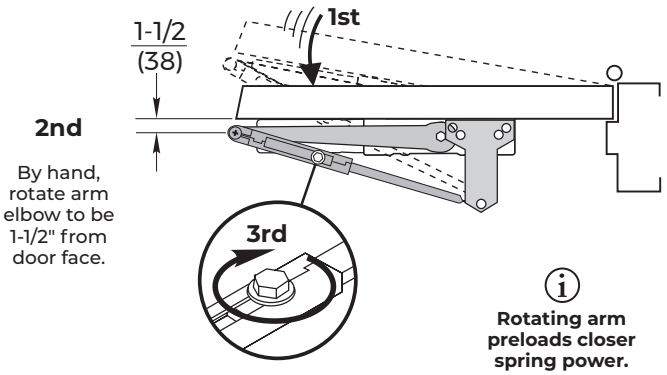
G. Open latch and sweep valves.



H. Connect arms and install forearm screw.



I. Preload spring and tighten forearm screw.



The **7500 Non Hold Open Closer - Parallel Arm** has now been installed

Go to page 2 for closer adjustments and cover installation.

Technical Product Support:
Monroe, NC 28112 USA
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Approved 2026-06-30

80-9377-1201-020 Rev 4 06/26