7500H Series Door Closer

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

Installation Instructions

⚠ WARNING

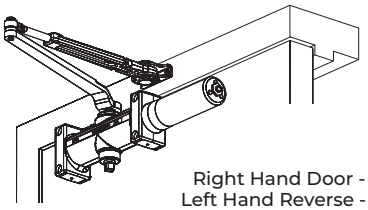
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to: www.P65warnings.ca.gov.

READ AND FOLLOW ALL INSTRUCTIONS.
SAVE THESE INSTRUCTIONS.

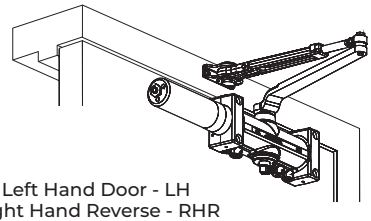
CAUTION

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

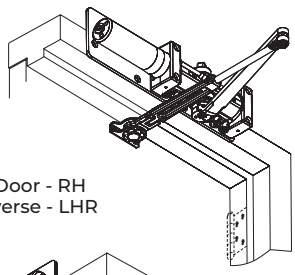


Right Hand Door - RH
Left Hand Reverse - LHR

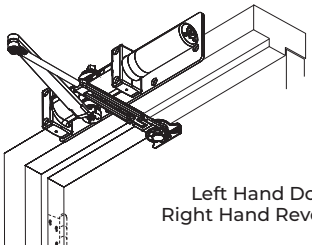


Left Hand Door - LH
Right Hand Reverse - RHR

Top Jamb Mount

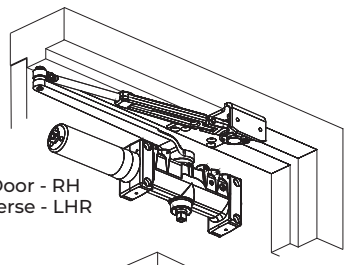


Right Hand Door - RH
Left Hand Reverse - LHR

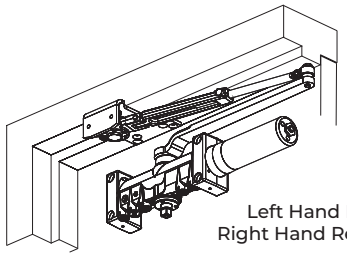


Left Hand Door - LH
Right Hand Reverse - RHR

Parallel Arm

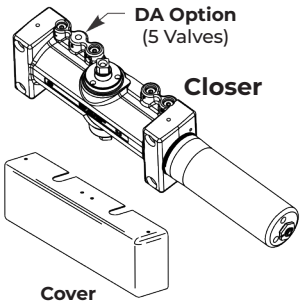


Right Hand Door - RH
Left Hand Reverse - LHR



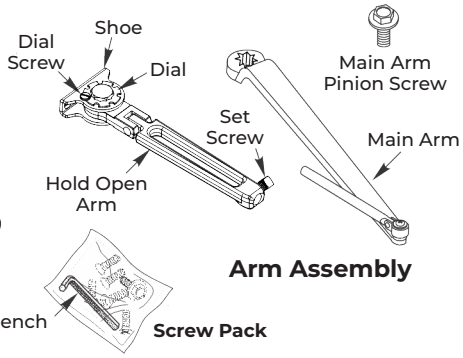
Left Hand Door - LH
Right Hand Reverse - RHR

Included Components (See page 2 for mounting hardware)



Cover
Standard Plastic or Optional Metal

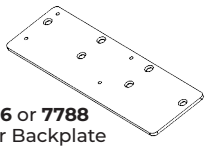
1/8" Hex Wrench



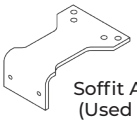
Arm Assembly

Screw Pack

Optional Plates

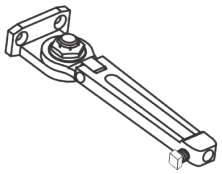


7786 or **7788**
Closer Backplate



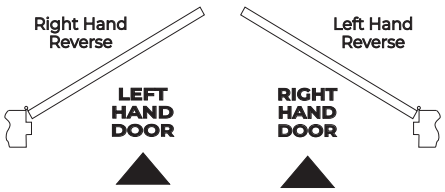
1628H
Soffit Adapter Plate
(Used with Parallel Arm Closers Only)

Legacy Friction Hold Open Arm



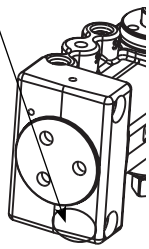
NOTE: Legacy FHO arm has installation orientation. See 80-9300-0003-000 for details.

To Determine Hand of Door:



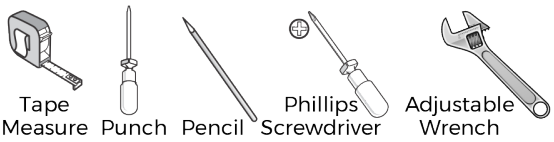
To Identify the Model:

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



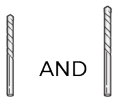


Drill



#7 1/4-20
for Metal

3/16"
for Wood



9/32" 3/8"
for Either
Nut & Boolt Option

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80-9377-3204-020 Rev 3 06/26

Approved 2026-06-30

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NORTON RIXSON
ASSA ABLOY

7500H Series

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.

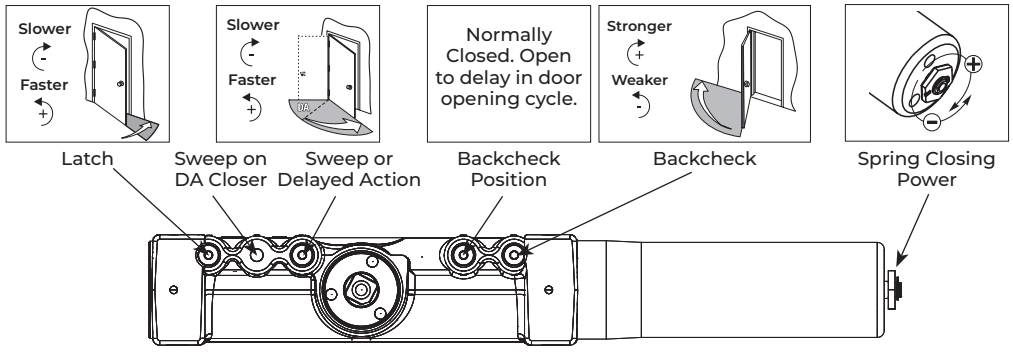
- For special applications, a separate door and frame preparation template is packed with these instructions. Use these instructions for installation sequence and closer adjustments only.
- 7500 Series closing force is adjustable from 1-6 as outlined in ANSI Standard A156.4. When closer is adjusted to 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
	**Closer, H/O Shoe or Optional PA Bracket:** 1/4-14 x 1-1/2 Oval Flat Head Mach. Screw	Wood	3/16" (4.76mm)
	**Closer, H/O Shoe or Optional PA Bracket:** 1/4-20 x 3/4 Oval Flat Head Mach. Screw	Metal	Drill #7 (.201 dia. or 5.10mm) Tap 1/4-20
	**H/O Shoe to Optional PA Bracket:** 1/4-20 x 1/2 Oval Flat Head Mach. Screw		
	**Closer:** Sleeve Nut and Bolt (SNB) (standard with tri-pack closers)	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:** 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

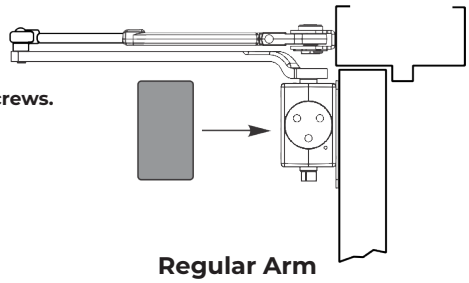
Use provided hex wrench to turn valves.
NEVER force valves out of closer.
NEVER completely close backcheck valve.

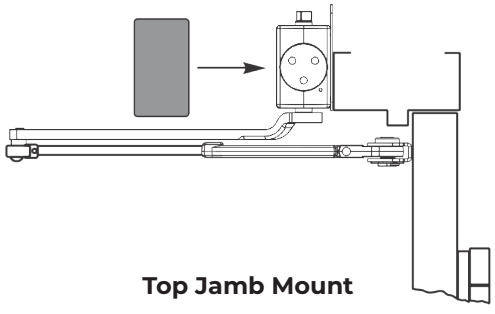
Door must be open to adjust spring closing power. Refer to specific charts on installation pages. **Do not use a power drill. Warranty will be void.**

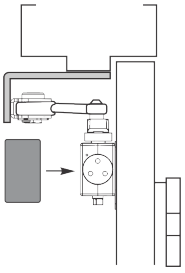


Cover

Do not over tighten screws.


Regular Arm


Top Jamb Mount


Parallel Arm

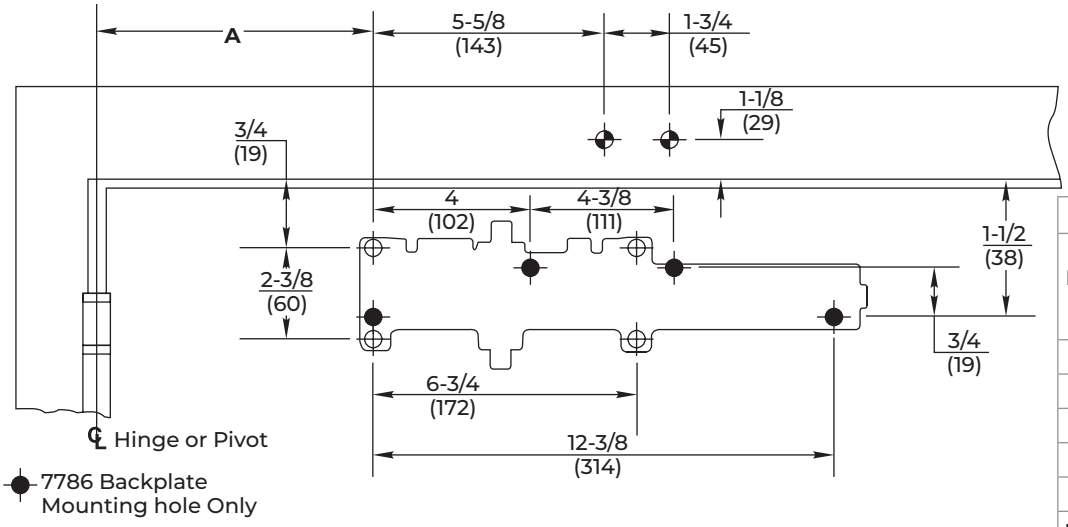
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7500H Series
Hold Open, Regular Arm, Top Jamb & Parallel Arm

Regular Arm Installation

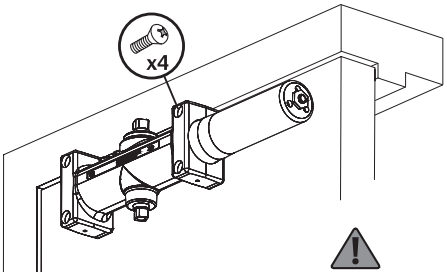
A. Prepare door and frame.



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)

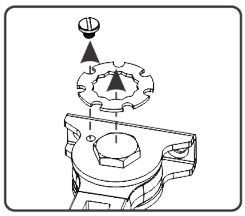
Power Adjustment Chart		
Maximum Interior Door Size inches (mm)	Maximum Exterior Door Size inches (mm)	Turns from Zero
32 (813)	28 (711)	5
36 (914)	34 (864)	8-1/2
42 (1067)	38 (965)	11
52 (1321)	42 (1067)	13-1/2
60 (1524)	48 (1219)	16-1/2
NOTE: Maximum of 16-1/2 turns (360°) of Power Nut Adjustment		

B. Mount closer to door.

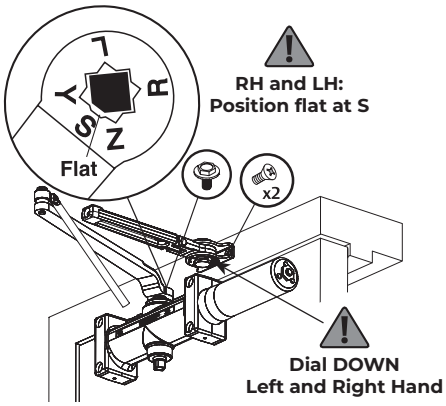


Closer tube AWAY from hinge. Left and right hand.

C. Remove dial from Hold Open arm.



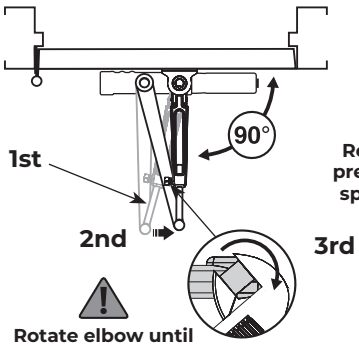
Cb. Install separate arms.



RH and LH: Position flat at S

Dial DOWN Left and Right Hand

D. Connect arms, preload spring and tighten set screw.

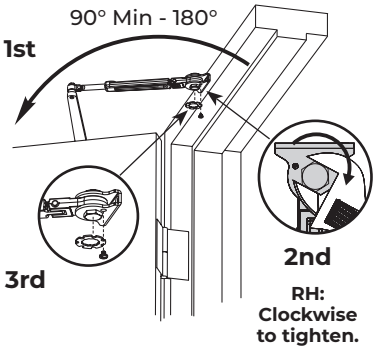


Rotating arm preloads closer spring power.

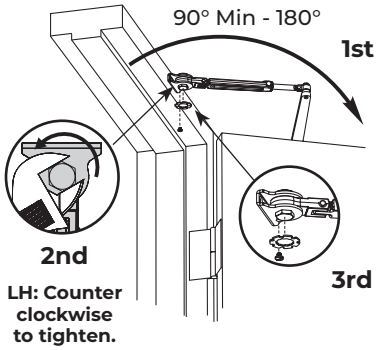
Rotate elbow until Hold Open arm is perpendicular to frame.

E. Set Hold Open.

Keep door open in position until dial screw secures dial.



RH: Clockwise to tighten.



LH: Counter clockwise to tighten.

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

Go to page 2 for closer adjustments and cover installation.

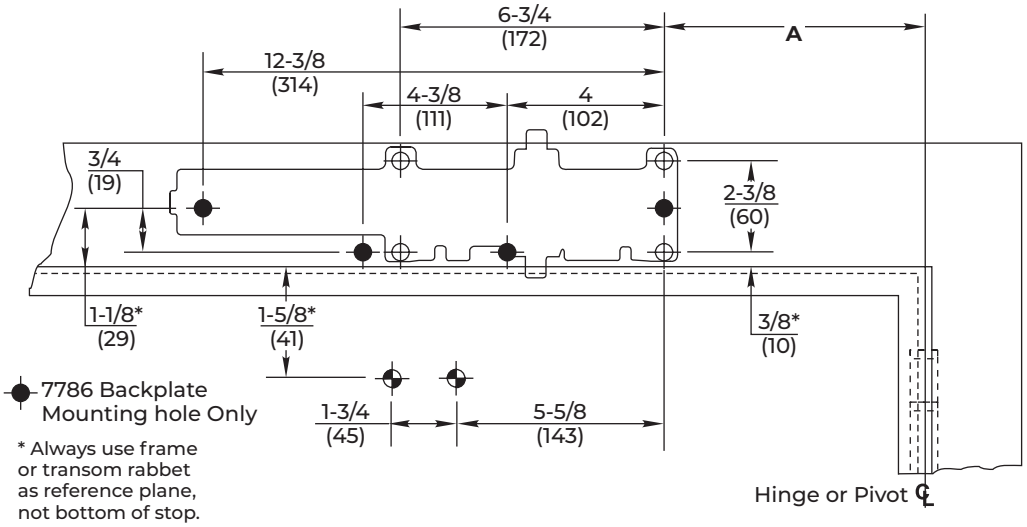
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7500H Series

Hold Open, Regular Arm, Top Jamb & Parallel Arm

Top Jamb Mount Installation

A. Prepare door and frame.

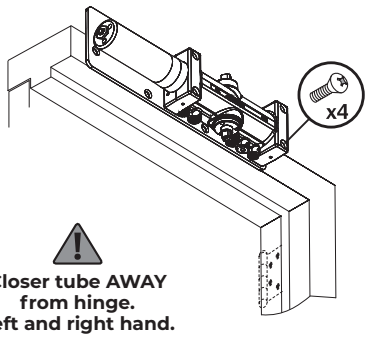


* Always use frame or transom rabbet as reference plane, not bottom of stop.

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)

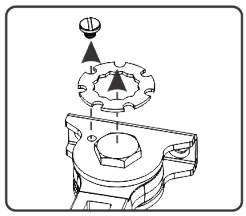
Power Adjustment Chart		
Maximum Interior Door Size inches (mm)	Maximum Exterior Door Size inches (mm)	Turns from Zero
32 (813)	28 (711)	5
36 (914)	34 (864)	8-1/2
42 (1067)	38 (965)	11
52 (1321)	42 (1067)	13-1/2
60 (1524)	48 (1219)	16-1/2
NOTE: Maximum of 16-1/2 turns (360°) of Power Nut Adjustment		

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

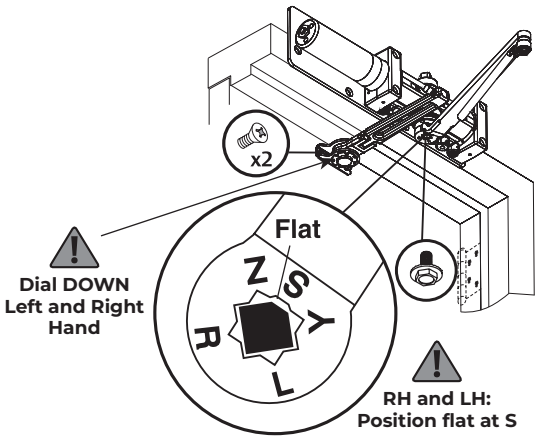


Closer tube AWAY from hinge. Left and right hand.

C. Remove dial from Hold Open arm.



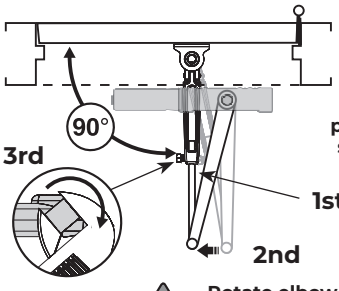
Cb. Install separate arms.



Dial DOWN Left and Right Hand

RH and LH: Position flat at S

D. Connect arms, preload spring and tighten set screw.

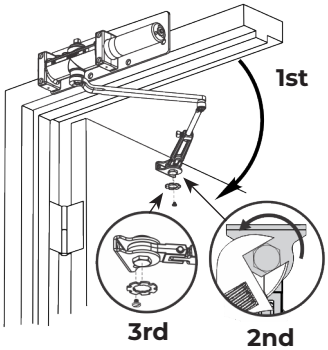


Rotating arm preloads closer spring power.

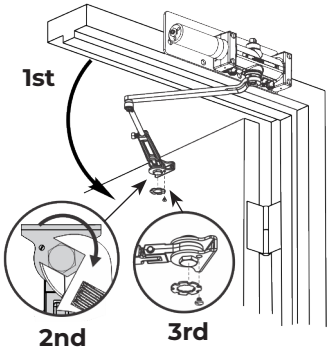
Rotate elbow until Hold Open arm is perpendicular to frame.

E. Set Hold Open.

Keep door open in position until dial screw secures dial.



LH: Counter clockwise to tighten.



RH: Clockwise to tighten.

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

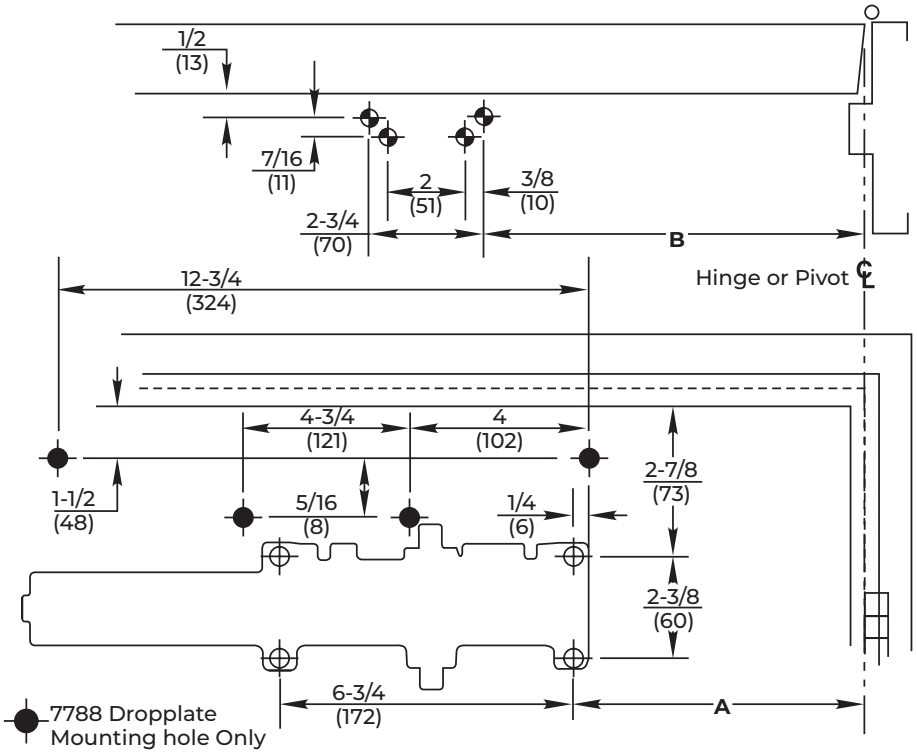
Go to page 2 for closer adjustments and cover installation.

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Parallel Arm Installation

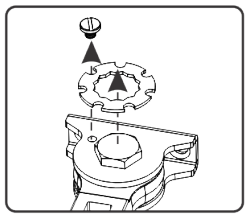
A. Prepare door and frame.



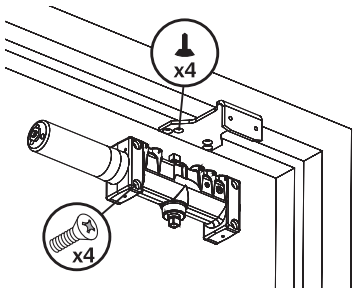
Opening	Dim A	Dim B
	inches (mm)	inches (mm)
to 100°	8-3/4 (222)	9-1/4 (235)
101° to 130°	7-1/4 (184)	7-3/4 (197)
131° to 150°	6-1/4 (159)	6-3/4 (171)
151° to 180°	5-1/4 (133)	5-3/4 (146)

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		

B. Remove dial from Hold Open arm.

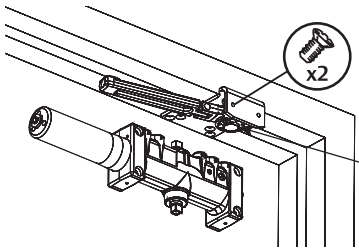


C. Install soffit plate and mount closer.



Closer tube AWAY from hinge. Left and right hand.

D. Install Hold Open arm to plate.



Dial DOWN Left and Right Hand

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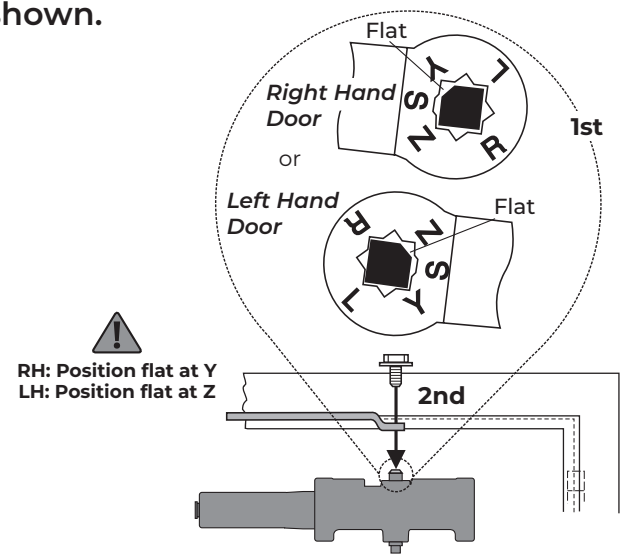
The ASSA ABLOY Group is the global leader in access solutions. Every day we help people feel safe, secure and experience a more open world.

NORTON RIXSON

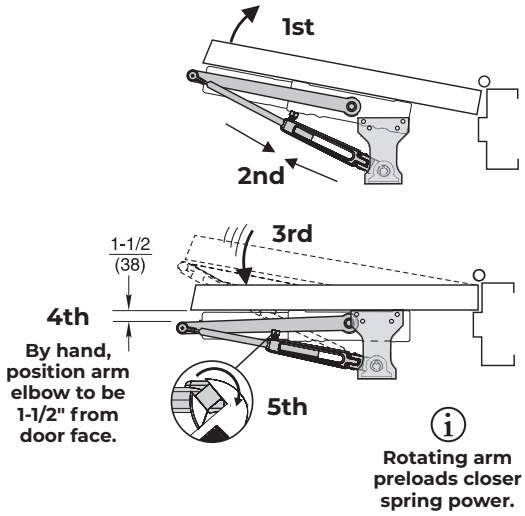
ASSA ABLOY

Parallel Arm Installation (cont.)

E. Place main arm on closer spindle as shown.

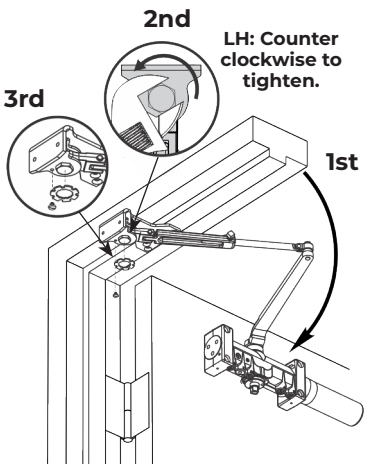


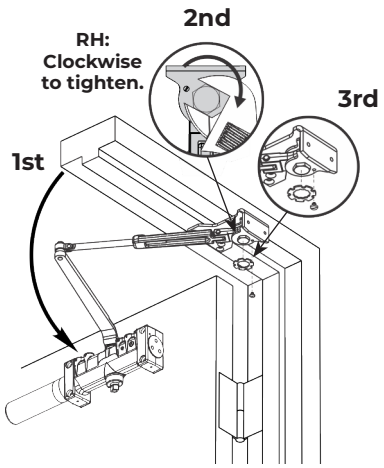
F. Connect arms, preload and tighten set screw.



G. Set Hold Open.

Keep door open in position until dial screw secures dial.





You've now installed the **7500H Hold Open Closer - Parallel Arm**.

Go to page 2 for closer adjustments and cover installation.

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