

8000H

Non Handed Door Closer

Regular Arm

Top Jamb Mount

Parallel Arm

With or without DA suffix (delayed action)

Hold Open Arm Models

Adjustable
(Sizes 1-6)

8101H

8301H

8501H



Norton®

ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions



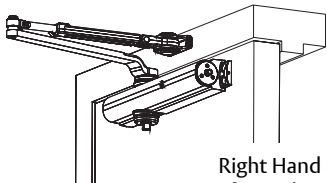
TRADEMARK
HARDWARE

⚠ WARNING

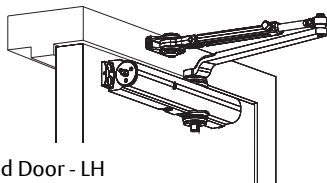
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Ce produit peut vous exposer au plomb qui, dans l'état de la Californie, est reconnu pour causer le cancer, des anomalies congénitales ou d'autres problèmes de reproduction. Pour plus d'informations, visitez: www.P65warnings.ca.gov.

Regular Arm

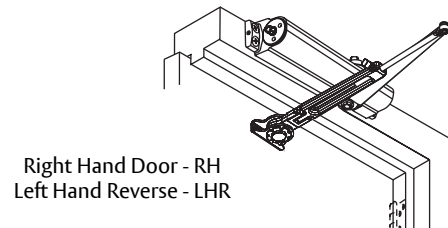


Right Hand Door - RH
Left Hand Reverse - LHR

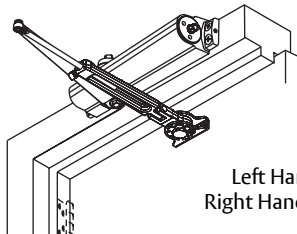


Left Hand Door - LH
Right Hand Reverse - RHR

Top Jamb Mount

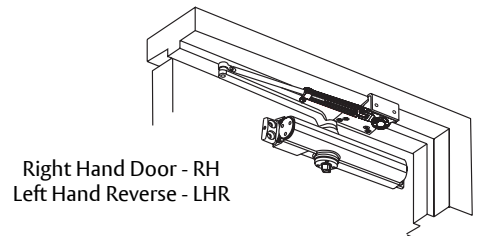


Right Hand Door - RH
Left Hand Reverse - LHR

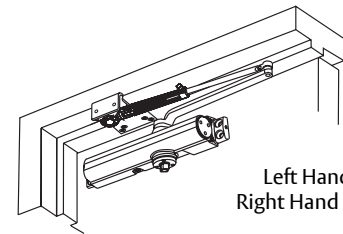


Left Hand Door - LH
Right Hand Reverse - RHR

Parallel Arm

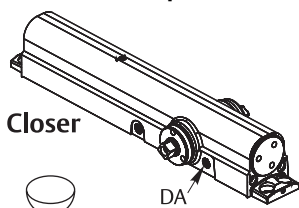


Right Hand Door - RH
Left Hand Reverse - LHR



Left Hand Door - LH
Right Hand Reverse - RHR

*Included Components

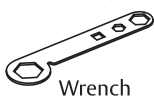


Closer

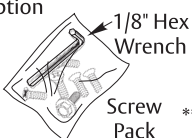


**Pinion Cap

DA Option



Wrench



Screw Pack



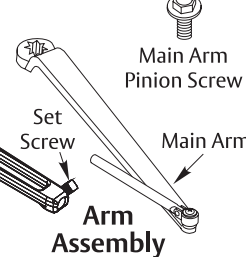
Dial Screw



Shoe



Dial

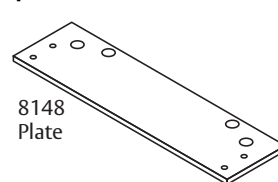


Arm Assembly

*See page 2 for mounting hardware.

** Pinion Cap not included with Slim Line Cover

Optional Plates

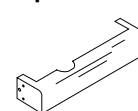


8148
Plate

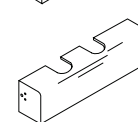


Soffit Adapter Plate
1628H Soffit Plate
Used with Parallel
Arm Closers Only

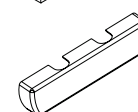
Optional Covers



8200P/8200PG
Slim Line
for 8300 Series

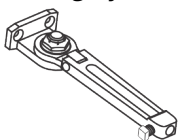


8400P/8400PG
Standard, Plastic
or
8400M, Metal
for 8500 Series



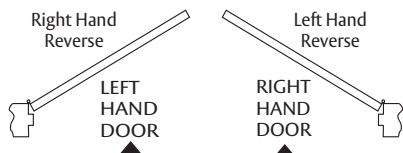
8400A/8400AG
Architectural, Plastic
or 8400MA, Metal
for 8500 Series

Legacy Friction Hold Open Arm

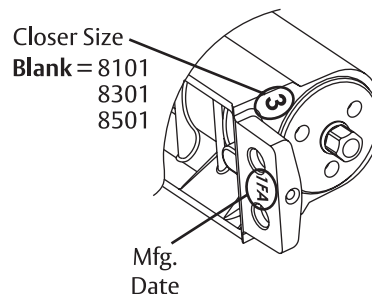


Note: Legacy FHO
arm has installation
orientation.
See 80-9300-0003-000
for details.

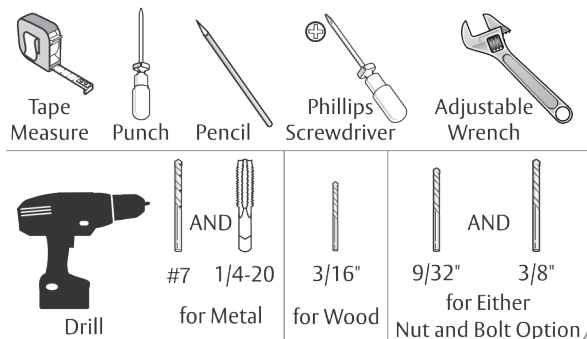
To Determine Your Hand of Door:



To Identify Your Model:



Tools Needed



Before You Begin

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.

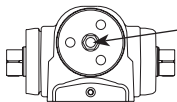
- “DA” suffix (Delayed Action) is an optional feature.
- For special applications, a separate door and frame preparation template is packed with these instructions. Use this instruction sheet for installation sequence and closer adjustments only.
- Doors should be hung on ball bearing or anti-friction 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 and 7 seconds from 90° to 0°. Greater closing times may be required for elderly or handicapped.
- 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) (optional)	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



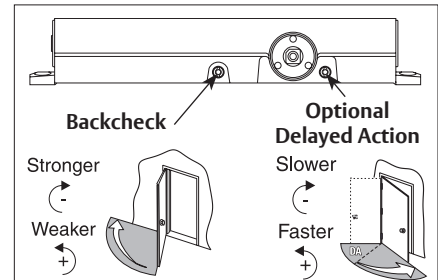
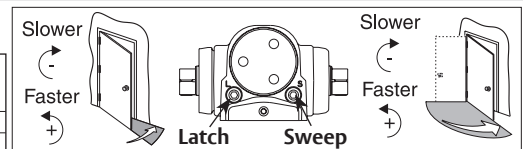
Use provided hex wrench to turn valves. NEVER force valves out of closer. NEVER completely close backcheck valve.



Door must be open to adjust spring closing power. Refer to chart. **Do not use a power drill. Warranty will be void.**

Spring Closing Power				Number of Turns Required			
	DOOR	TYPE OF INST.	*	MAXIMUM DOOR SIZE			
				34" (0.85M)	36" (0.90M)	42" (1.05M)	48" (1.20M)
8100, 8300, 8500	INTERIOR	Regular Arm Top Jamb	FULL 360° TURNS	5	8	11	13
		Parallel Arm		7	10	13	16
	EXTERIOR	Regular Arm Top Jamb		7	10	13	16
		Parallel Arm		9	12	15	18

*20 FULL (360°) TURNS MAX. AVAILABLE  = 10 TURNS AS SHIPPED

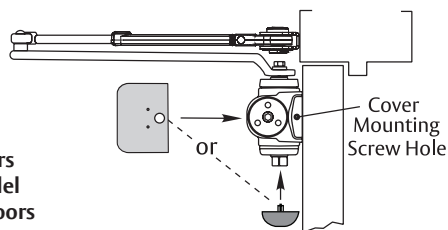


Pinion Cap and Cover

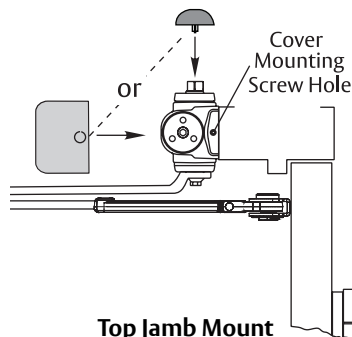


Do not over tighten cap or cover screws.

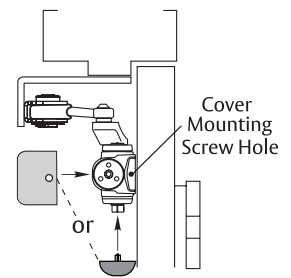
Architectural (“A”) covers cannot be used on parallel mounted closers with doors swinging over 120°.



Regular Arm



Top Jamb Mount



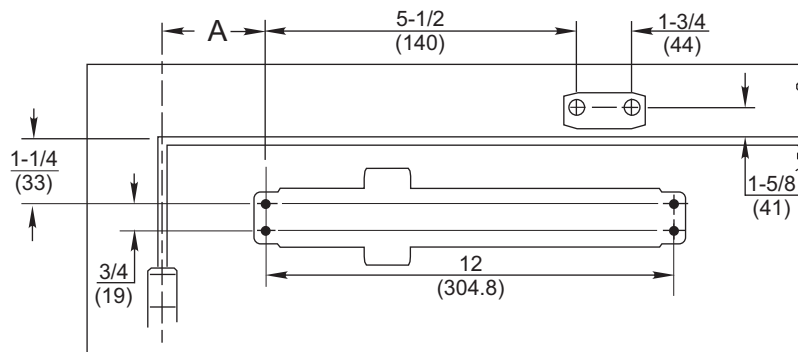
Parallel Arm

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8000H Regular Arm Installation (Right Hand Shown)

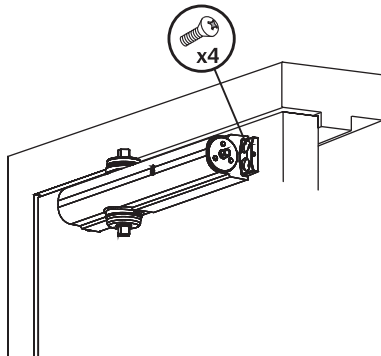
1. Prepare door and frame.



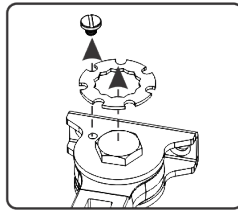
Opening	Dimension "A"
To 100°	$7\frac{1}{2}$ (191)
101° to 130°	$\frac{6}{(152)}$
131° to *180°	$4\frac{1}{2}$ (114)

*Door/Wall/Hardware/Jamb conditions permitting

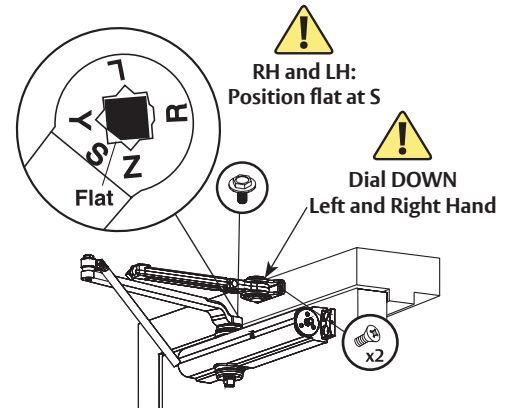
2. Mount closer to door.



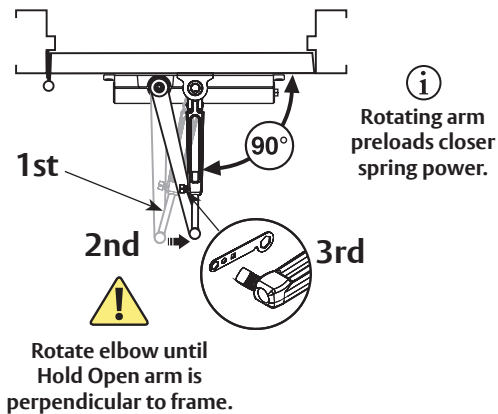
3a. Remove dial from Hold Open arm.



3b. Install separate arms.

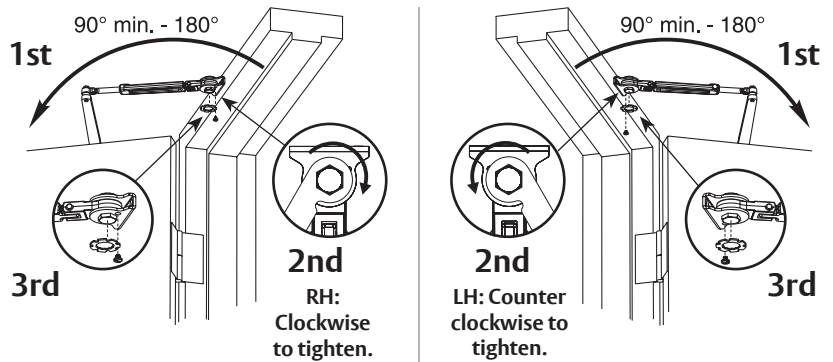


4. Connect arms, preload spring and tighten set screw.



5. Set Hold Open.

Keep door open in position until dial screw secures dial.

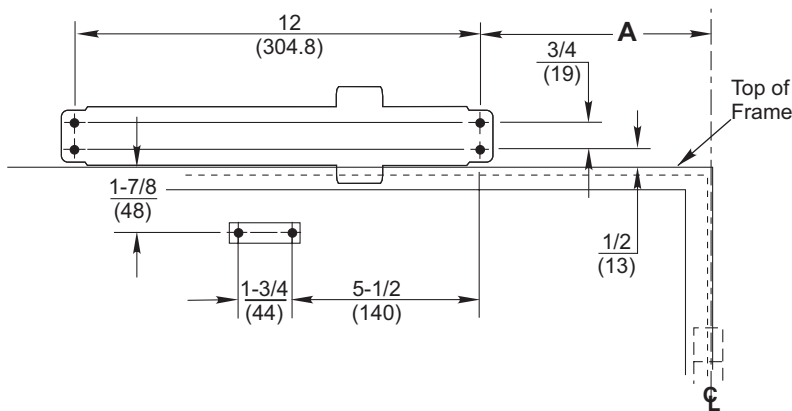


You've installed the 8000H Hold Open Closer - Regular Arm.

Go to page 2 for closer adjustments and decorative cap or cover installation.

8000H Top Jamb Mount Installation (Right Hand Shown)

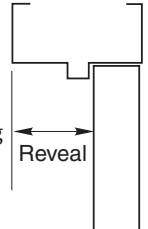
1. Prepare door and frame.



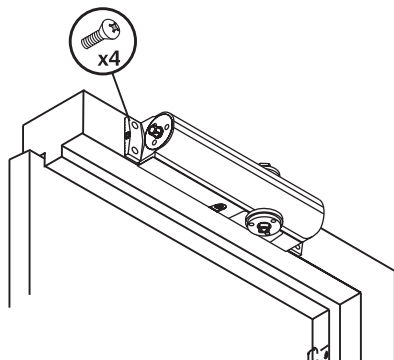
Opening	Dimension "A"
To 100°	7-1/2 (191)
101° to 130°	6 (152)
131° to *180°	4-1/2 (114)

* Door/Wall/Hardware/Jamb conditions permitting

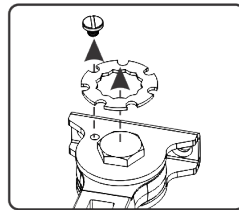
A longer connecting rod is required for reveals greater than 3" (76)



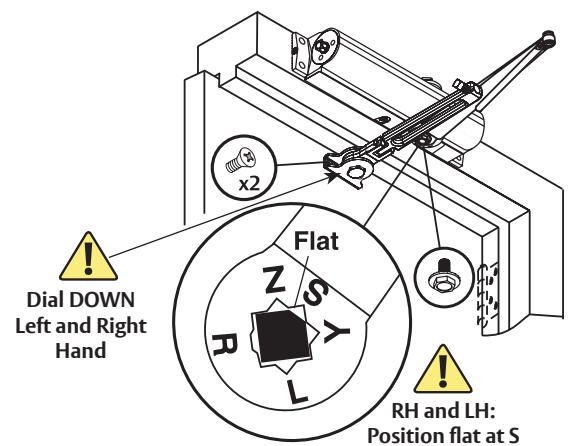
2. Mount closer to frame.



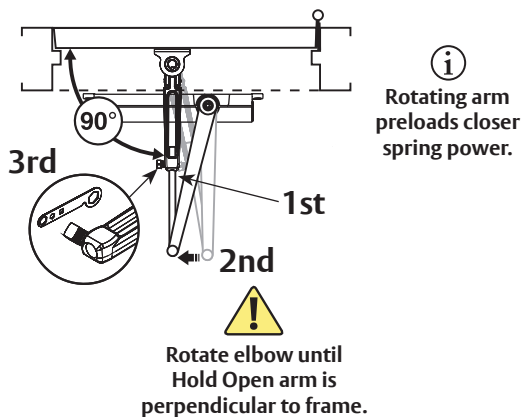
3a. Remove dial from Hold Open arm.



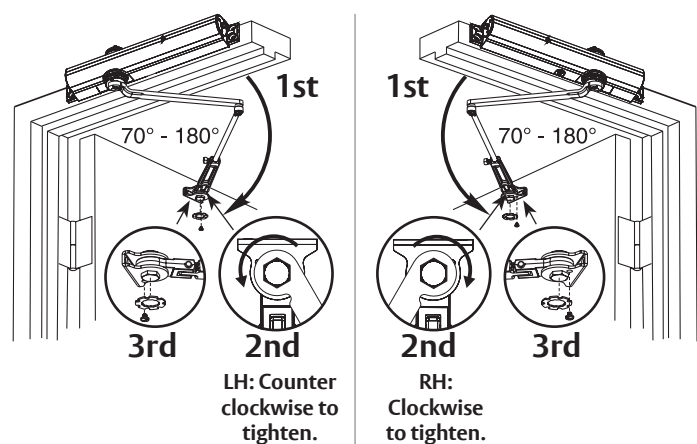
3b. Install separate arms.



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



5. Set Hold Open.

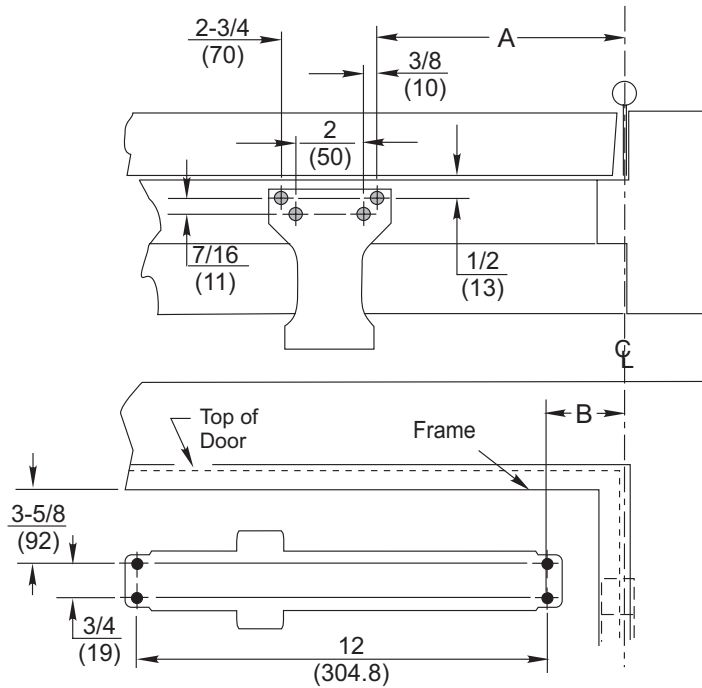


You've now installed the 8000H Hold Open Closer - Top Jamb Mount.

● Go to page 2 for closer adjustments and decorative cap or cover installation.

8000H Parallel Arm Installation (Right Hand Shown)

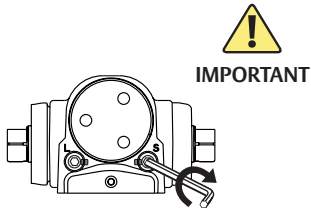
1. Prepare door and frame.



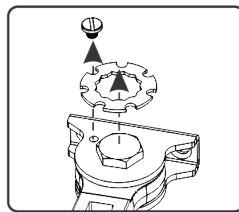
Door Opening	A	B
To 120°	9-1/2 (241)	3-3/4 (95)
* 121° to 180°	7 (178)	1-1/4 (32)

* Door/Wall/Hardware/Jamb conditions permitting

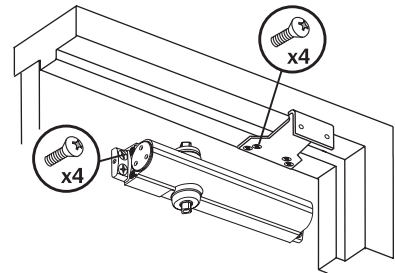
2. Close latch and sweep valves.



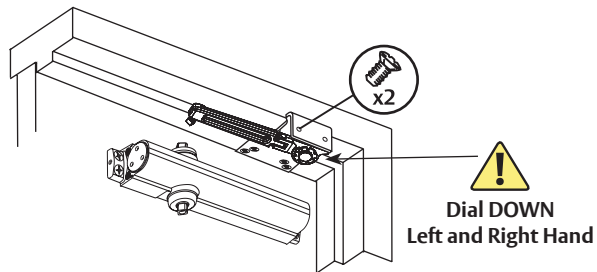
3. Remove dial from Hold Open arm.



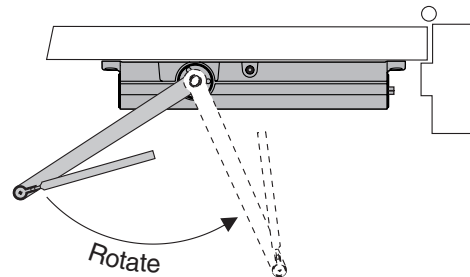
4. Install soffit plate and mount closer.



5. Install Hold Open arm to plate.

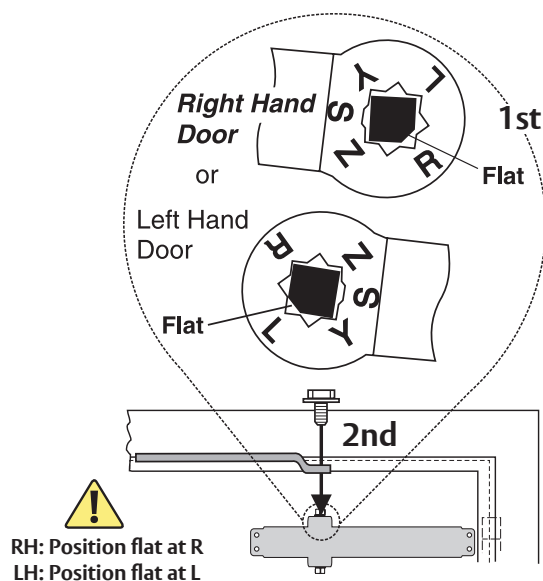


6. Place main arm on closer spindle and rotate.

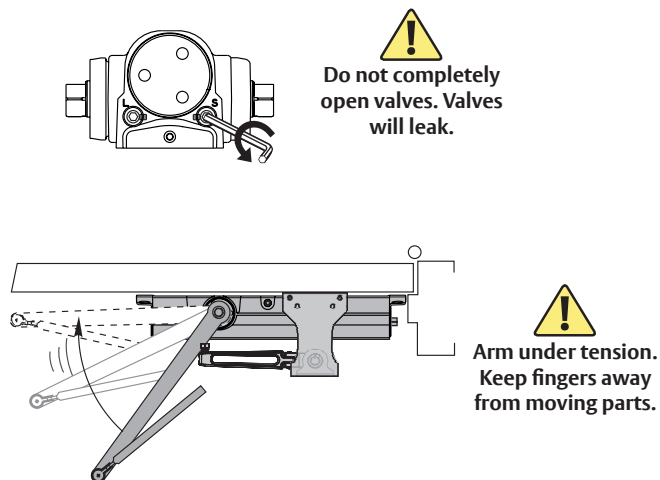


8000H Parallel Arm Installation (Right Hand Shown) continued

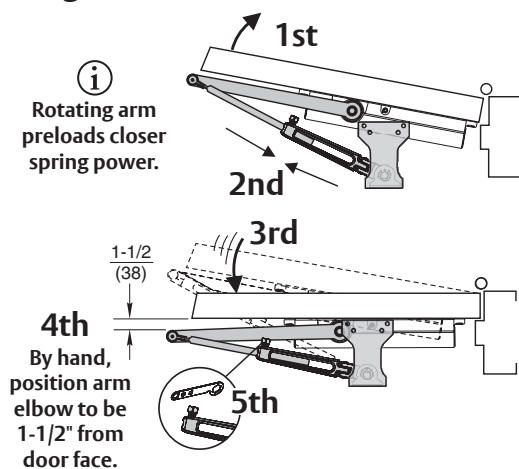
7. Remove arm and attach as shown.



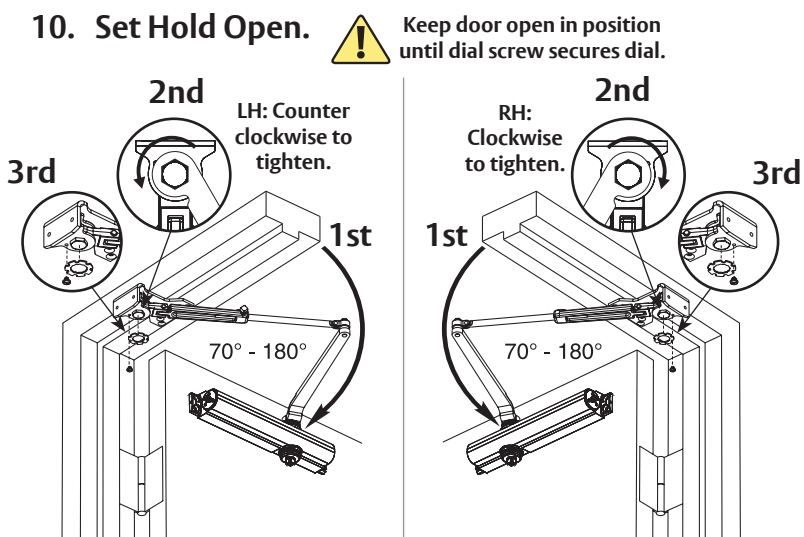
8. Open latch and sweep valves.



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



10. Set Hold Open.



You've now installed the **8000H Hold Open Closer - Parallel Arm**.

● Go to page 2 for closer adjustments and decorative cap or cover installation.