

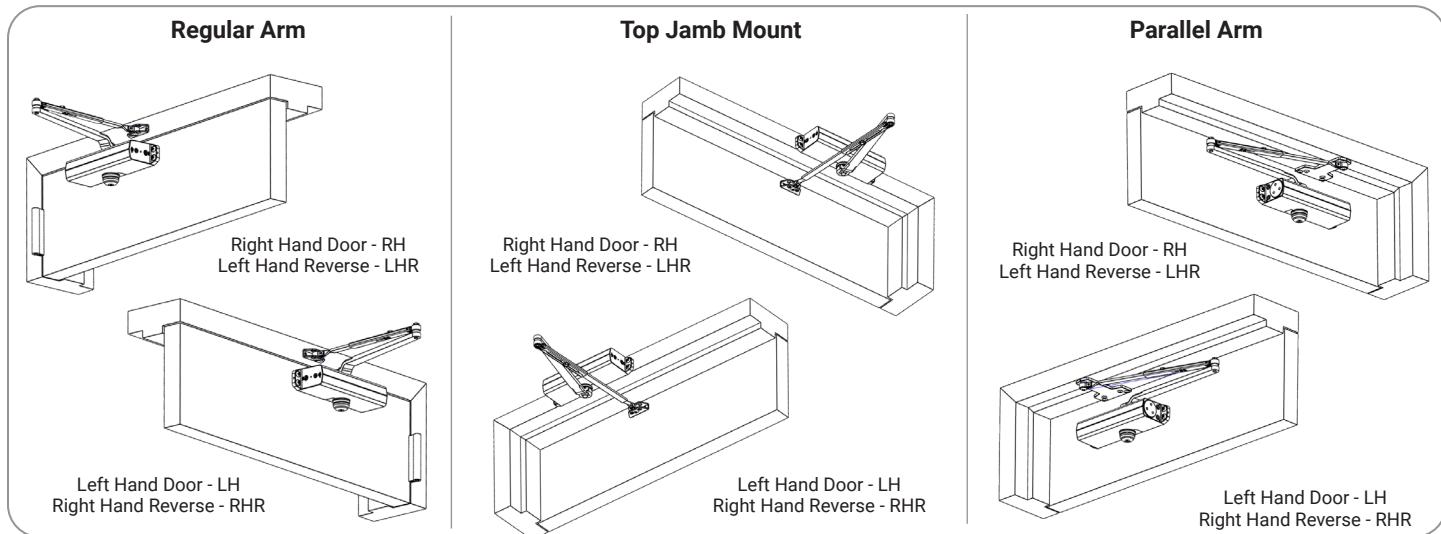
# 51 Series Door Closer

## Model 51

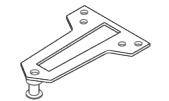
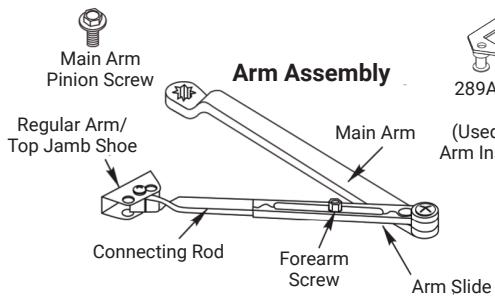
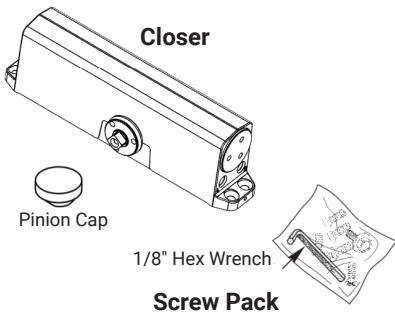
Regular, Top Jamb, and Parallel Arms, Non-Hold Open  
Installation Instructions

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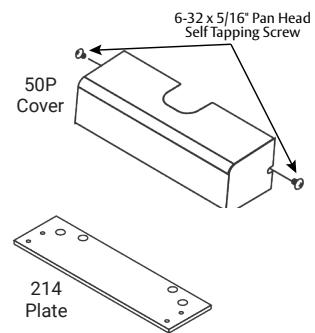


### Included Components

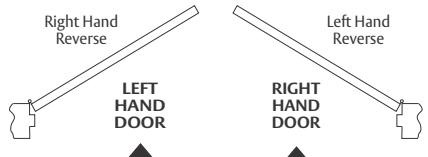


289A Parallel Arm Bracket  
(Used with Parallel Arm Installation Only)

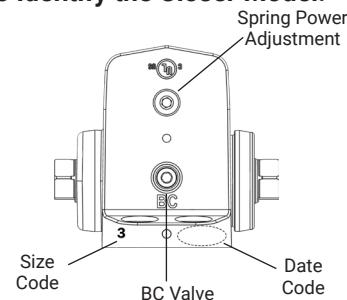
### Optional Components



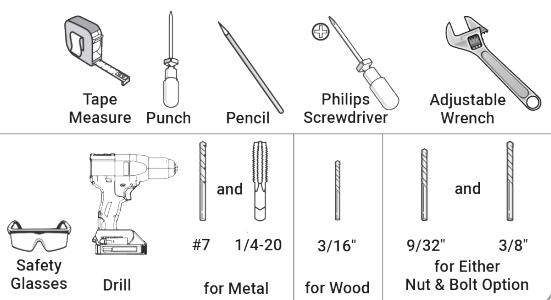
### To Determine Hand of Door:



### To Identify the Closer Model:



### Tools Needed:



### ⚠ 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](http://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.

855-557-5078 x 2 • [www.accentra-assaabloy.com](http://www.accentra-assaabloy.com)

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80-9350-2531-010 Rev 3 05/24

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**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 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.

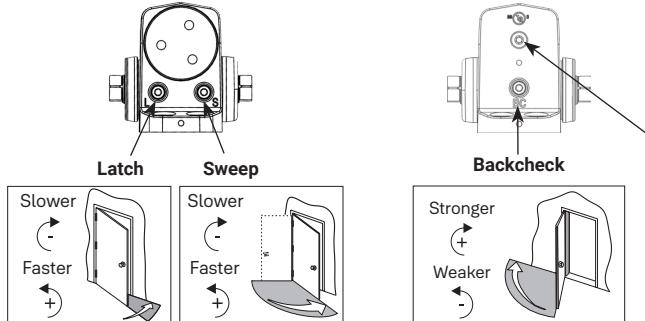
**Supplied Hardware**

Mounting Hardware		Door or Frame	Drill
	<b>Closer, PA Bracket:</b> 1/4-14 x 1-1/2 Oval Flat Head Self Drilling Screw	Wood/Metal	3/16" (4.8mm) for wood
	<b>Closer, PA Bracket:</b> 1/4-20 x 3/4 Oval Flat Head Mach. Screw	Metal	Drill #7 (.201 dia. or 5.1mm) Tap 1/4-20
	<b>Arm Shoe to Jamb or Door:</b> 1/4-20 x 5/8 Round Head Mach. Screw	Wood/Metal	3/16" (4.8mm) for wood
	<b>Arm Shoe to Jamb or Door:</b> 1/4-14 x 1-1/2 Round Head Self Drilling Screw	Hollow Metal	9/32" (7.0mm) thru 3/8" (9.5mm) door face opposite to closer
	<b>Closer:</b> Sleeve Nut and Bolt (SNB) (optional) with 1/4-20 x 3/4 Oval Flat Head Mach. Screw (recommended)	Aluminum or Wood	3/8" (9.5mm) thru
	<b>Closer:</b> Thru Bolt and Grommet Nut (TBGN) (optional)	All	9/32" (7.0mm) thru 3/8" (9.5mm) dia. x 3/8" (9.5mm) 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 the chart.

Use of a power drill will void the Warranty.

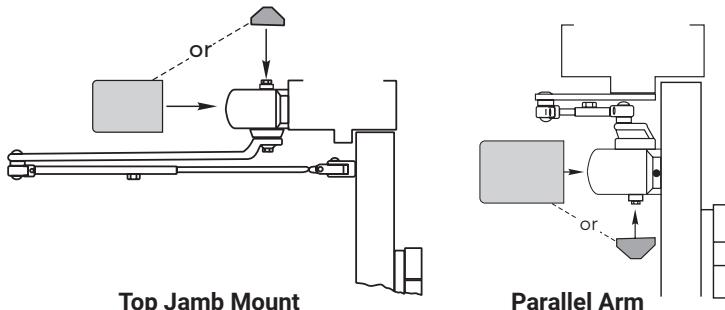
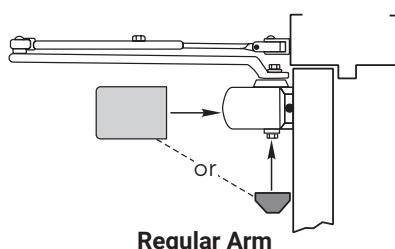


51	Door	Type of Installation	* Full 360° Turns	Spring Closing Power					Number of Turns Required				
				Maximum Door Size									
				34" (0.85M)	36" (0.90M)	40" (1.00M)	44" (1.10M)	48" (1.20M)	34" (0.85M)	36" (0.90M)	40" (1.00M)	44" (1.10M)	48" (1.20M)
Interior	Regular Arm	Top Jamb	2	4	6	10	12						
	Parallel Arm		3	5	8	11	14						
Exterior	Regular Arm	Top Jamb	3	5	8	11	14						
	Parallel Arm		5	8	11	16	19						

\*30 Full (360°) turns maximum available      = turns as shipped

**Pinion Cap or Cover**

**!** Do not over tighten cap or cover screws.



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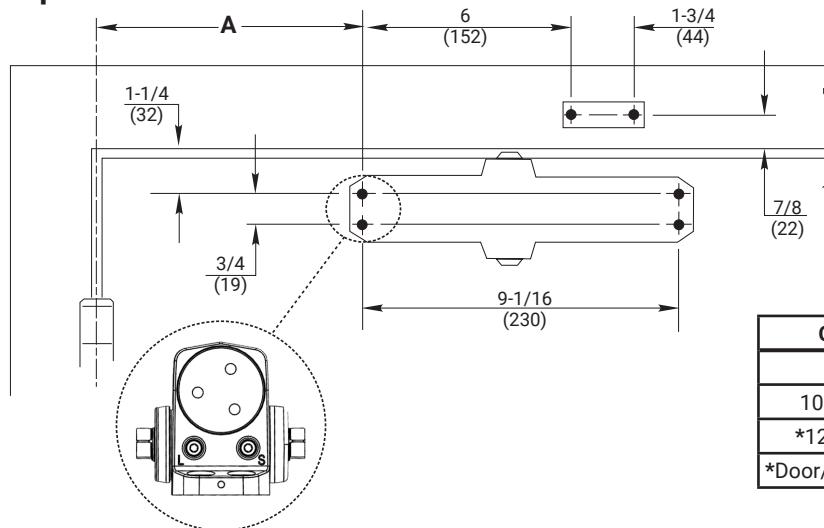
# Model 51

## Regular, Top Jamb, and Parallel Arms, Non-Hold Open

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### Regular Arm Installation (Right Hand Shown)

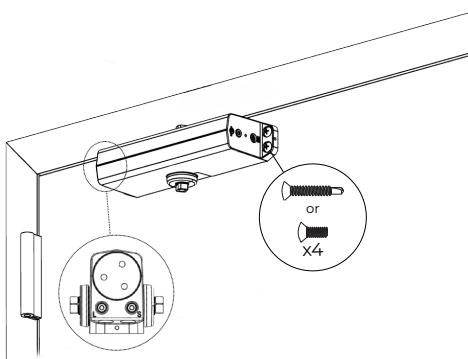
#### A. Prepare door and frame.



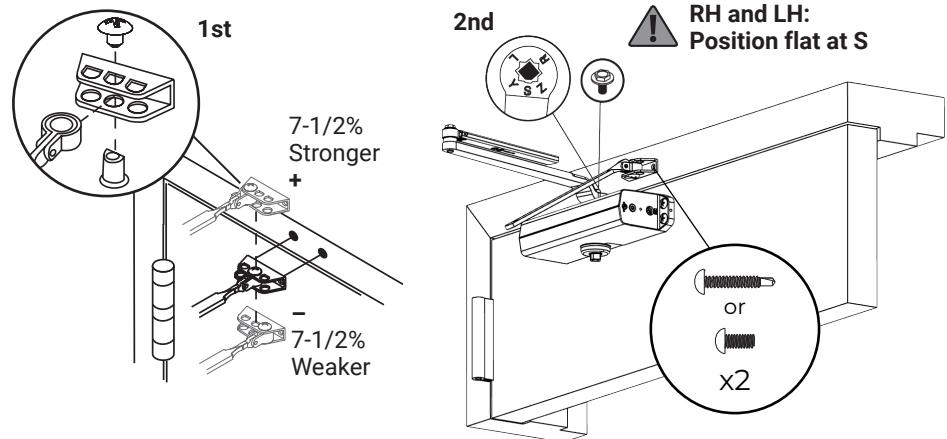
Opening	Dimension "A"
to 100°	7 (178)
101° to 120°	6 (152)
*121° to 180°	3-1/2 (89)

\*Door/Wall/Hardware/Jamb conditions permitting

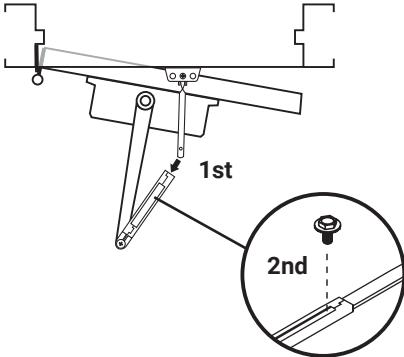
#### B. Mount closer to door.



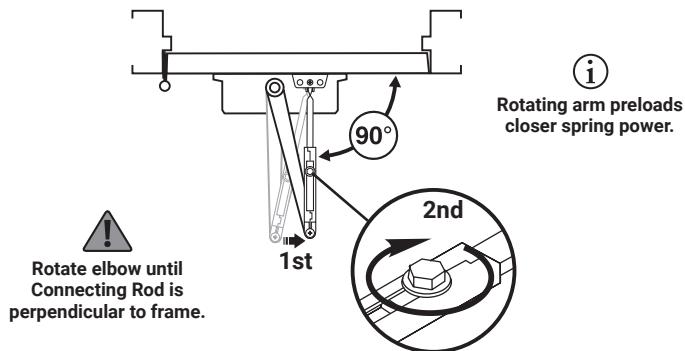
#### C. Choose arm placement in shoe and install arms.



#### D. Connect arms and install forearm screw.



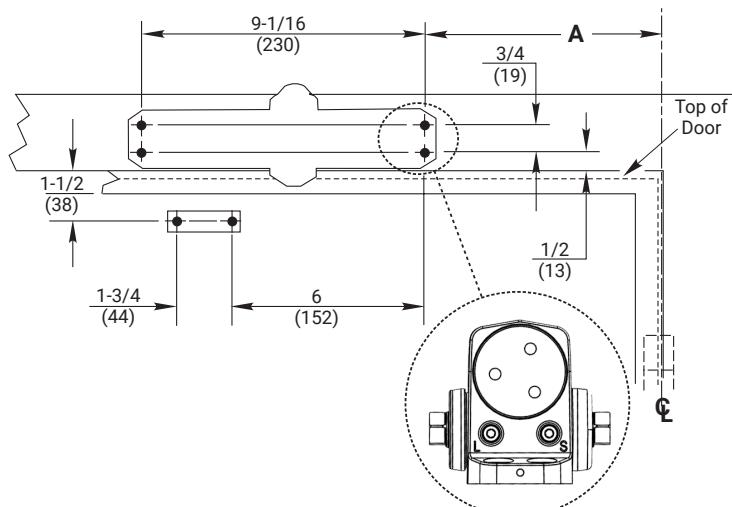
#### E. Preload spring and tighten forearm screw.



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

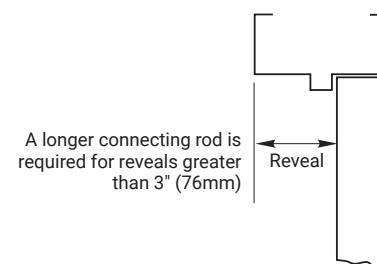
**Top Jamb Arm Installation (Right Hand Shown)**

**A. Prepare door and frame.**

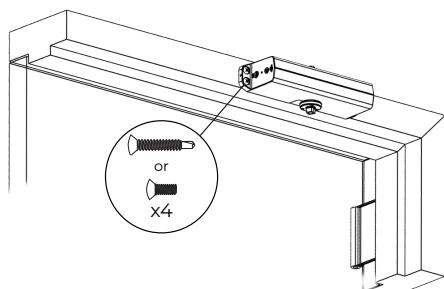


Opening	Dimension "A"
to 100°	7-1/2 (191)
101° to 120°	6 (152)
*121° to 180°	3-1/2 (89)

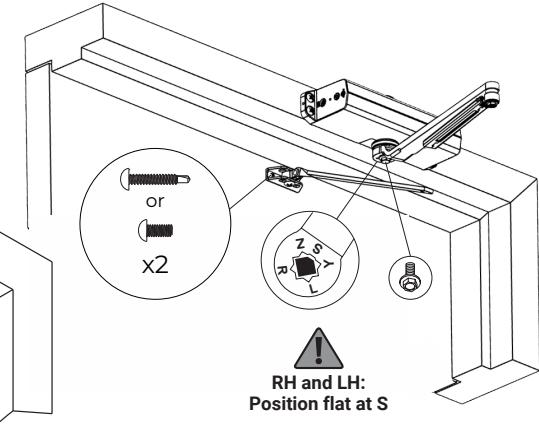
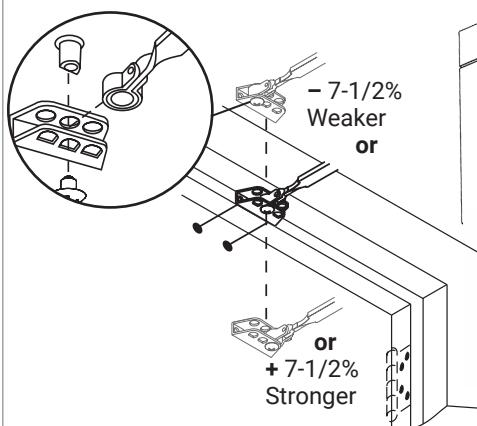
\*Door/Wall/Hardware/Jamb conditions permitting



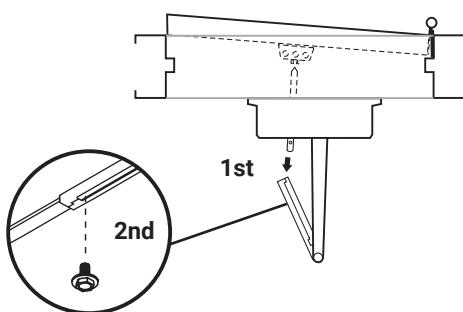
**B. Mount closer to frame.**



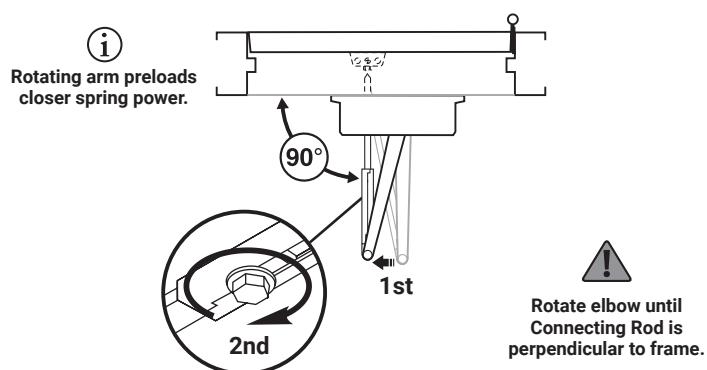
**C. Choose arm placement in shoe and install separate arms.**



**D. Connect arms and install forearm screw.**



**E. Preload spring and tighten forearm screw.**



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

# Model 51

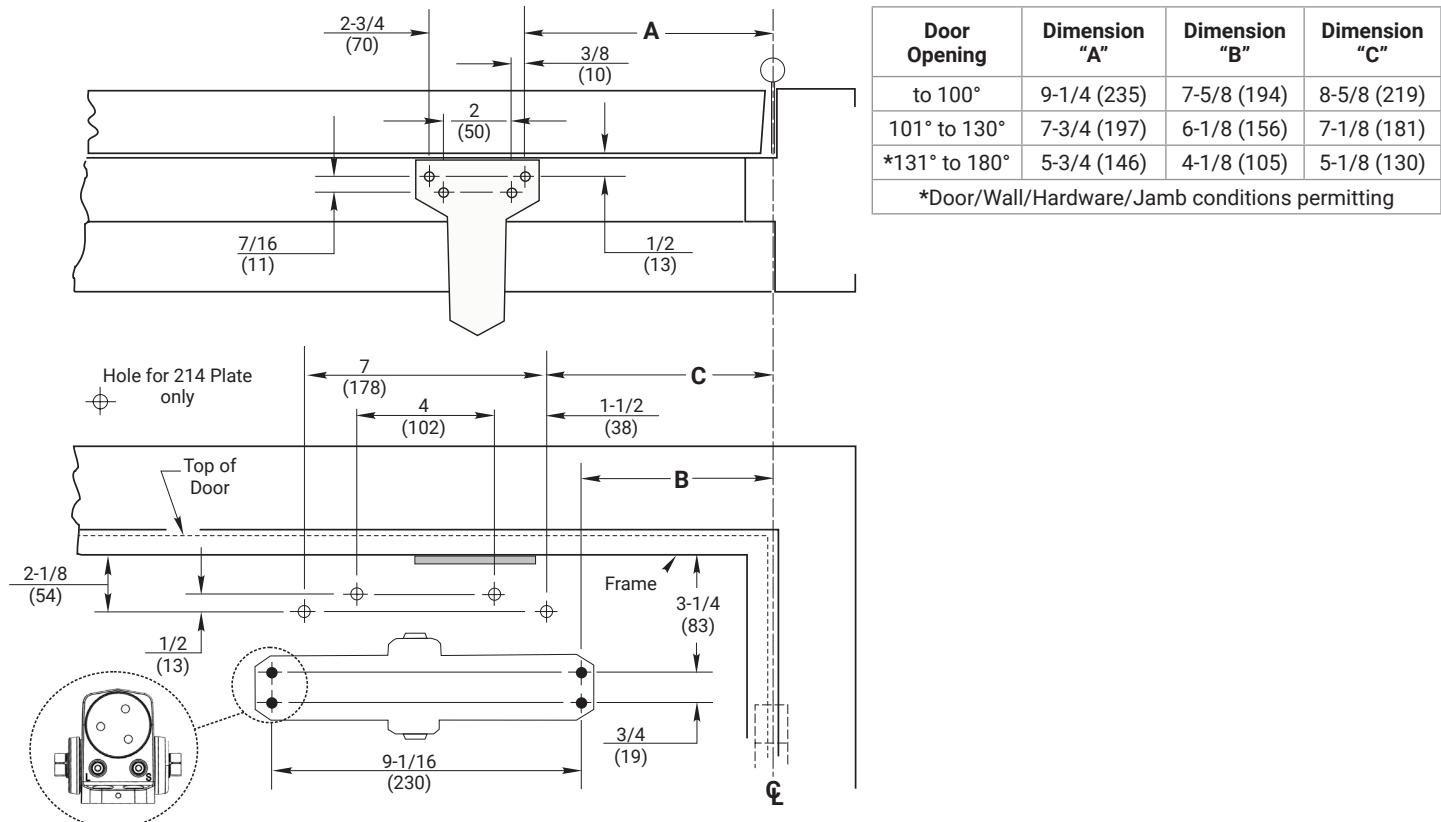
## Regular, Top Jamb, and Parallel Arms, Non-Hold Open

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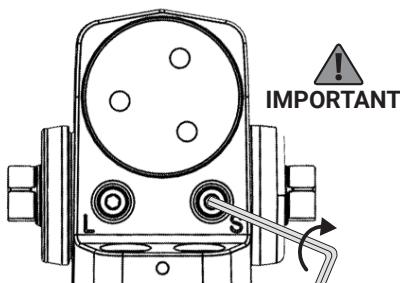
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### Parallel Arm Installation (Right Hand Shown)

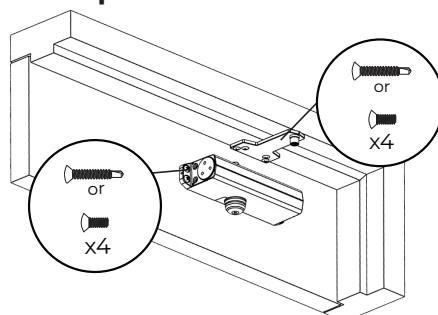
#### A. Prepare door and frame.



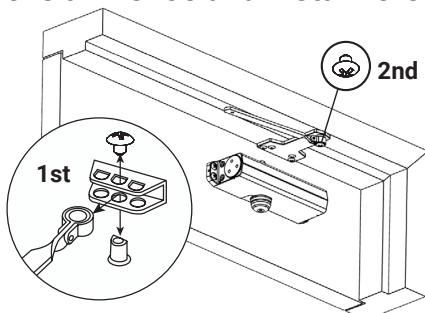
#### B. Close latch and sweep valves.



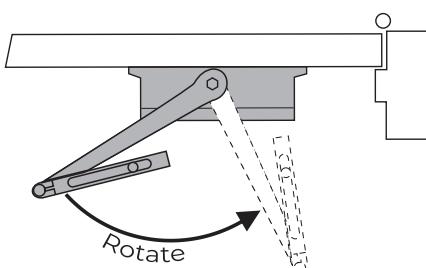
#### C. Install soffit plate and mount closer.



#### D. Remove arm shoe and install forearm to plate.

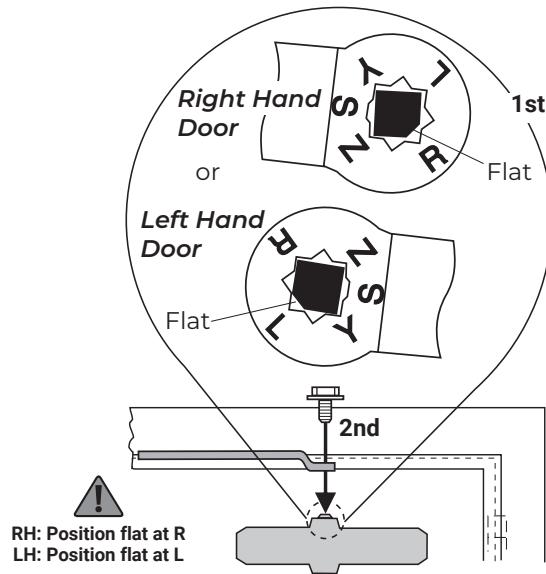


#### E. Place main arm on closer spindle and rotate

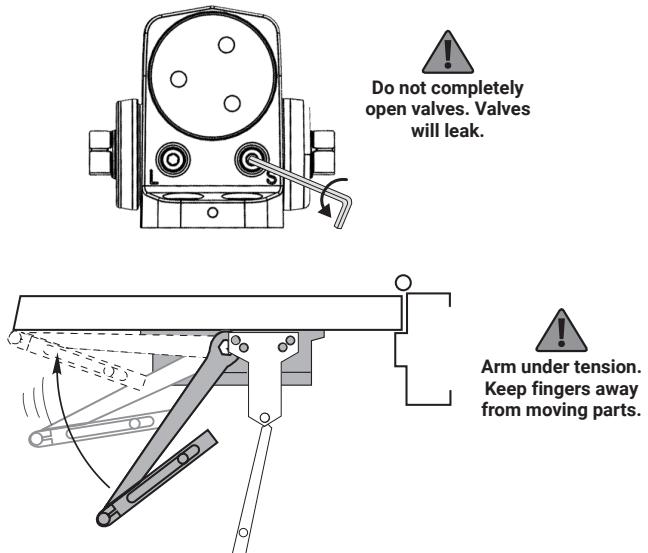


## Parallel Arm Installation (Right Hand Shown) cont.

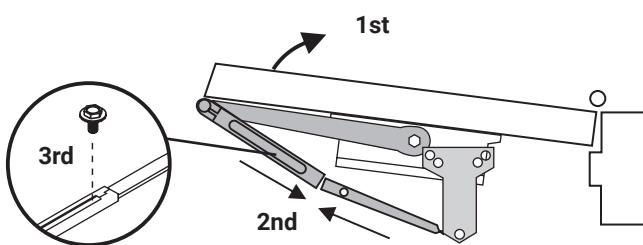
### F. Remove arm and attach as shown.



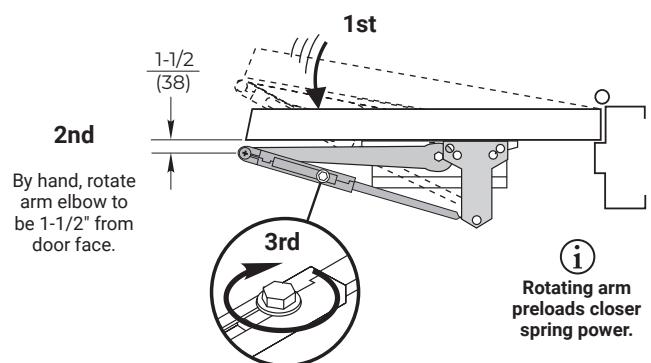
### G. Open latch and sweep valves.



### H. Connect arms and install forearm screw.



### I. Preload spring and tighten forearm screw.



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