

# 1600 Cushion Stop Non Handed Door Closer Regular Mount Top Jamb Mount

## Non Hold Open

Sized  
(Sizes 3,4)  
CA1603BC  
CA1604BC

Adjustable  
(Sizes 1-6)  
CA1601



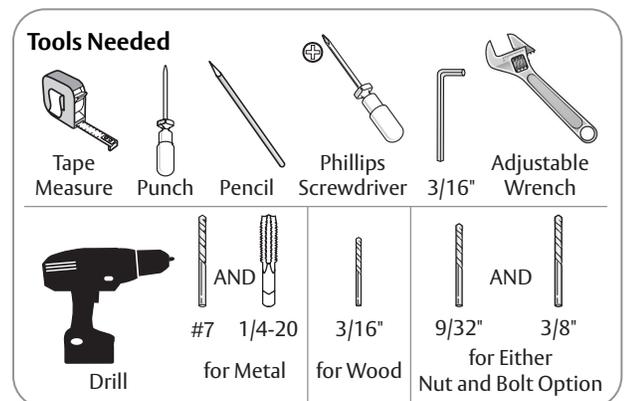
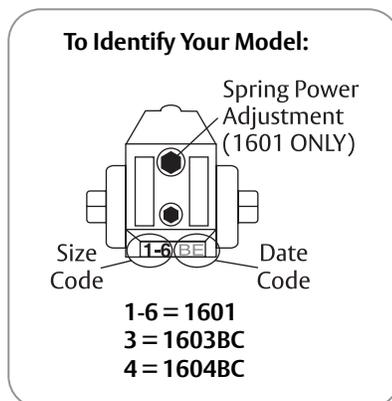
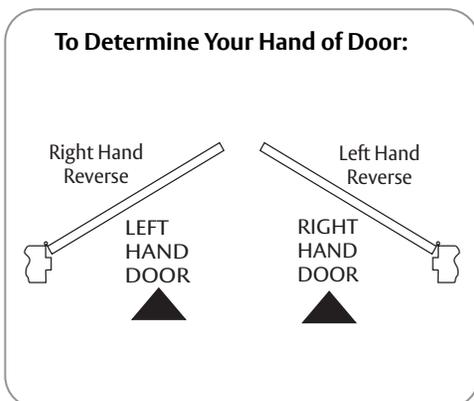
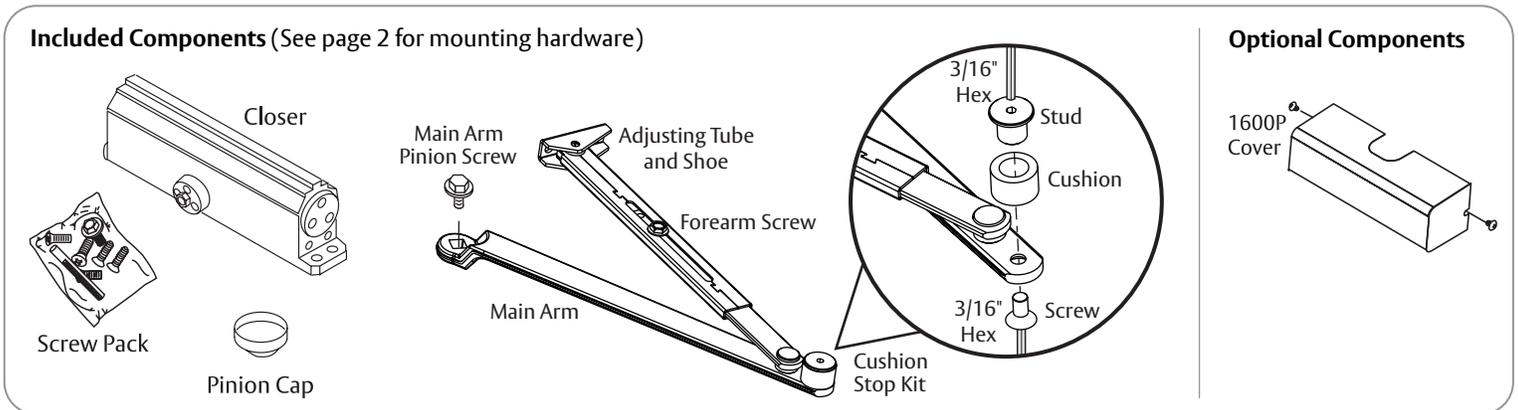
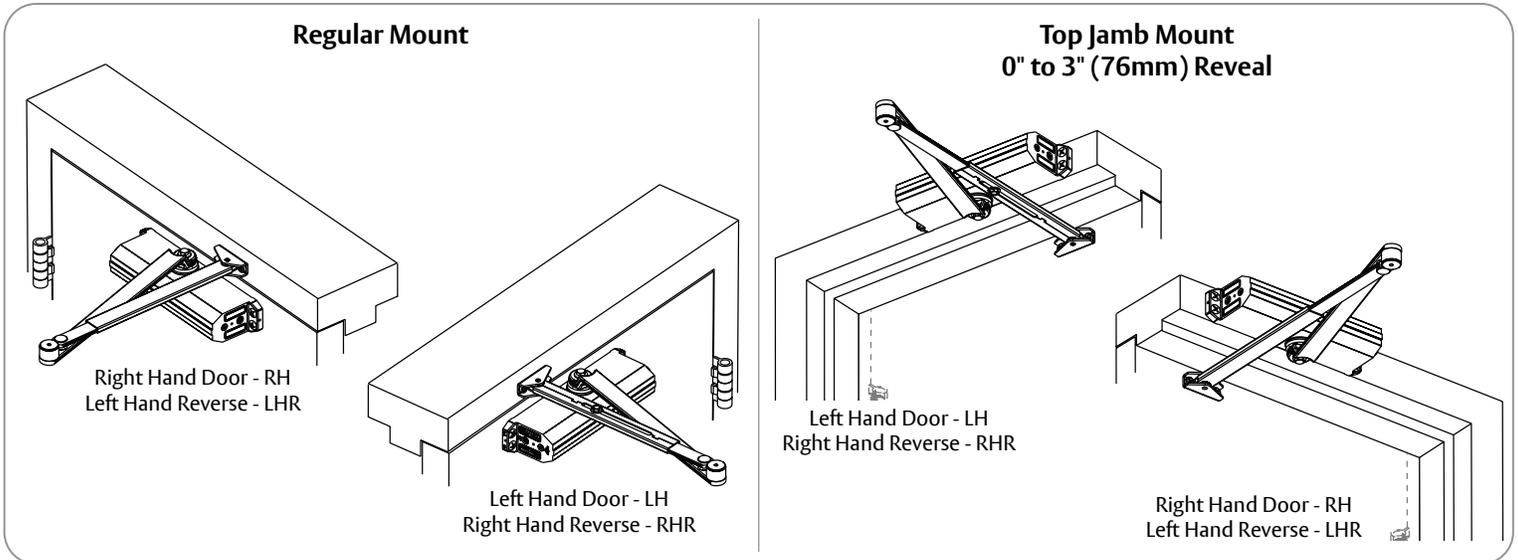
# Norton®

## ASSA ABLOY

### ⚠ 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).

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](http://www.P65warnings.ca.gov).



### 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.
- Where severe or abusive conditions are expected, a separate door stop, supplied by others, is recommended to assist in preventing damage to closer, closer arm, door, frame, or adjacent walls.

- Doors should be hung on ball bearing or anti-friction hinges.
- Door and frame must be properly reinforced.
- Always consult door/frame manufacturer for fastener compatibility.
- Adjust closing time speed between 4 and 7 seconds from 90° to 0°. Use of door by handicapped, elderly or small children may require greater closing time.
- 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
	<b>Closer, Shoe:</b> 1/4-14 x 1-1/2 Oval Flat Head Mach. Screw	Wood	3/16" (4.76mm)
	<b>Closer, Shoe:</b> 1/4-20 x 3/4 Oval Flat Head Mach. Screw	Metal	Drill #7 (.201 dia. or 5.10mm) Tap 1/4-20
	<b>Closer:</b> 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
	<b>Closer:</b> Thru Bolt and Grommet Nut (TBGN) (optional)	All	9/32" (7.00mm) thru 3/8" (9.50mm) dia. x 3/8" (9.50mm) deep, door face opposite to closer

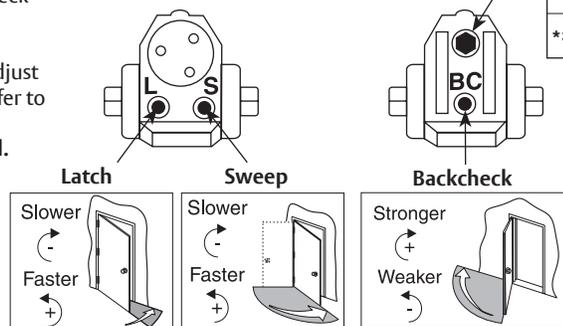
## Closer Adjustments



Use provided 1/8" hex wrench to turn valves.  
NEVER force valves out of closer.  
NEVER completely close backcheck valve. Backcheck is not a positive stop.

Door must be open to adjust spring closing power. Refer to chart.

**Do not use a power drill.**  
**Warranty will be void.**



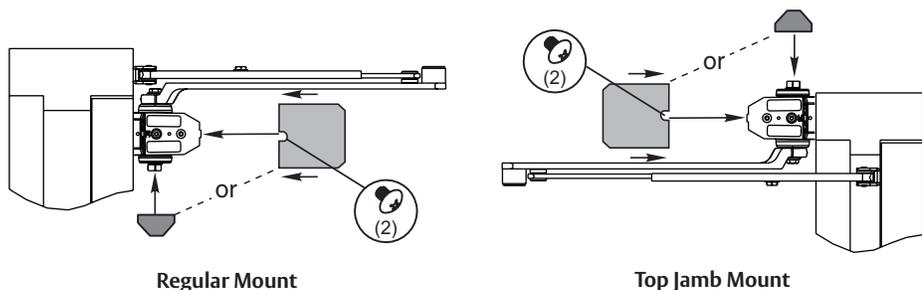
Spring Closing Power				Number of Turns Required				
DOOR	TYPE OF INST.	*	MAXIMUM DOOR SIZE					
			34" (0.85M)	36" (0.90M)	40" (1.00M)	44" (1.10M)	48" (1.20M)	
CA1601	INT	Regular Arm Top Jamb	FULL 360° TURNS	2	4	6	10	12
	EXT	Regular Arm Top Jamb		3	5	8	11	14

\*30 FULL (360°) TURNS MAXIMUM AVAILABLE   = 8 TURNS AS SHIPPED

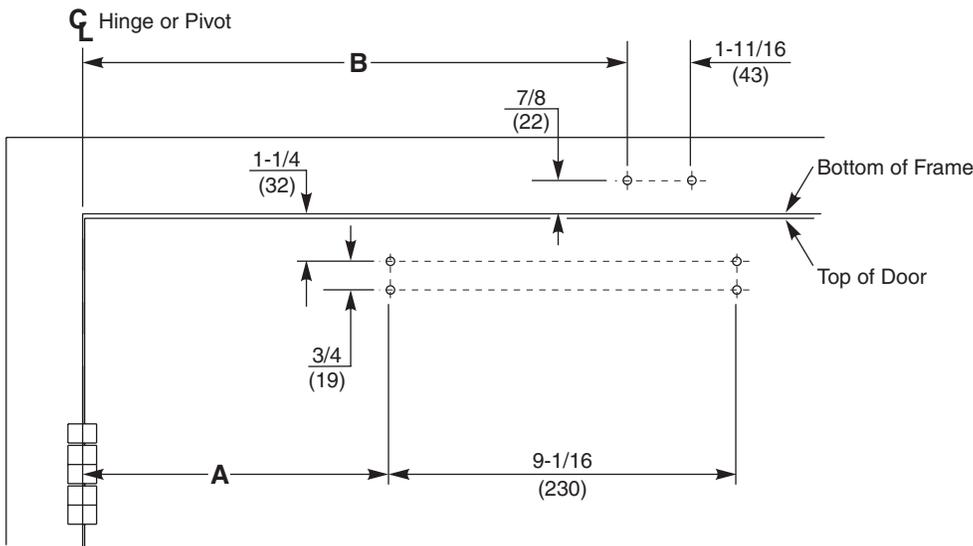
## Pinion Cap or Cover



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

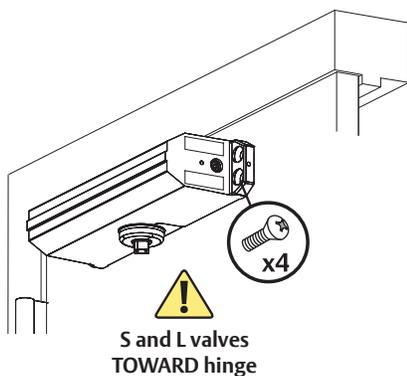


## 1. Prepare door and frame.

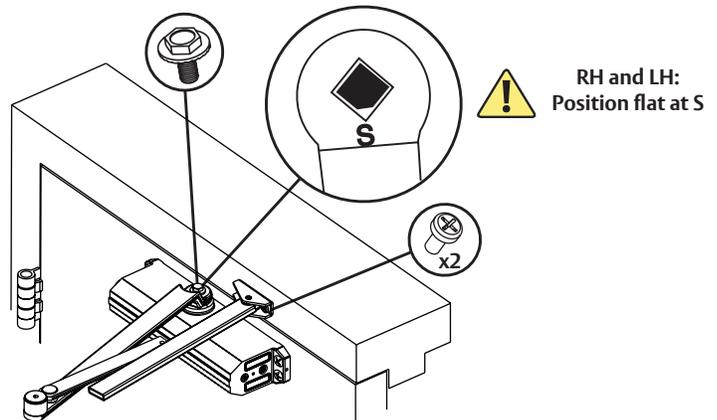


	A	B
Up to 85°	8-3/4" (222)	14-3/4" (375)
85° - 90°	8-1/4" (210)	14-1/4" (362)
90° - 95°	7-3/4" (197)	13-3/4" (349)
95° - 100°	7-1/4" (184)	13-1/4" (337)
100° - 105°	6-3/4" (171)	12-3/4" (324)
105° - 110°	6-3/8" (162)	12-3/8" (314)

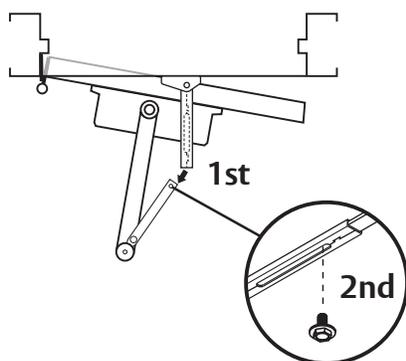
## 2. Mount closer to door.



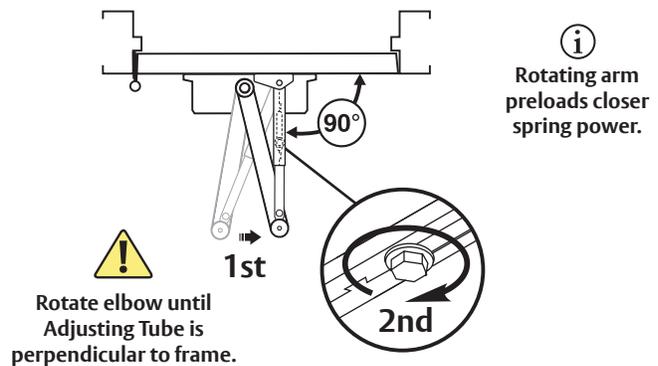
## 3. Install separate arms.



## 4. Connect arms and install forearm screw.



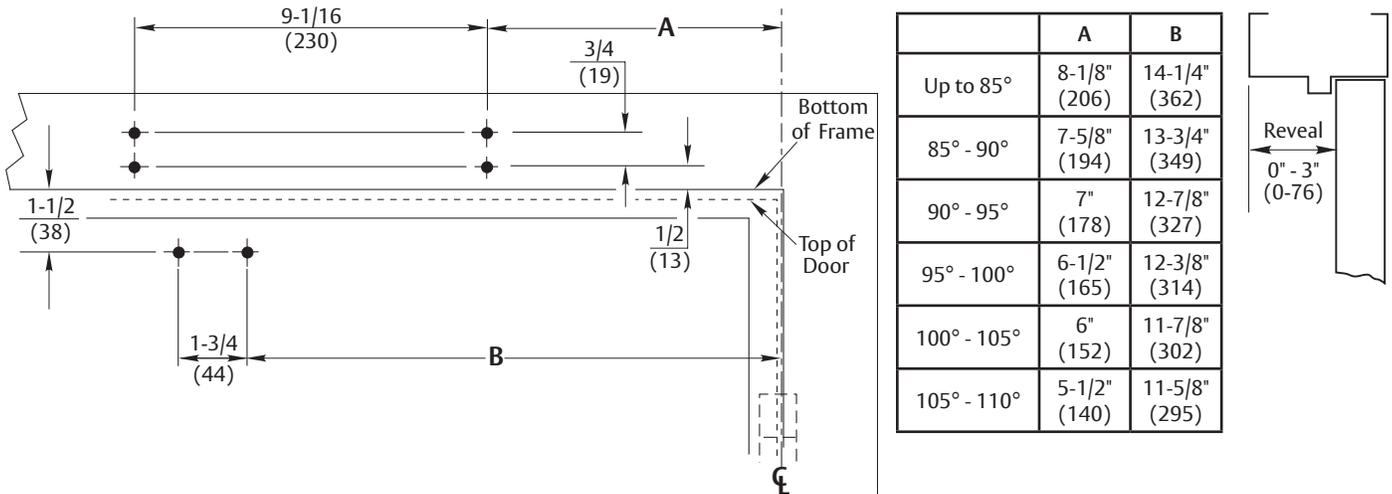
## 5. Preload spring and tighten forearm screw.



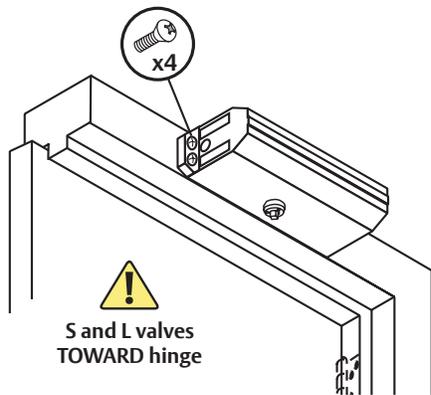
You've installed the CA1600 Non Hold Open Closer - Regular Mount.

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

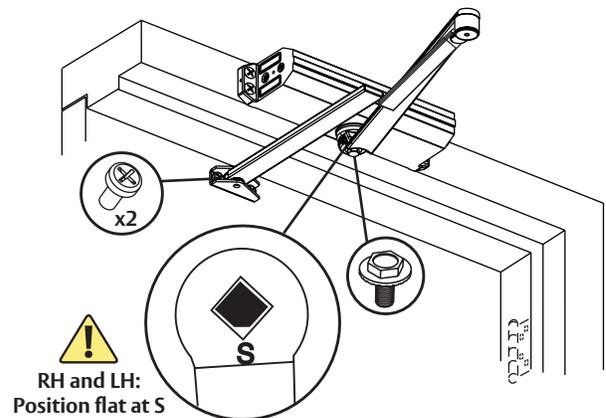
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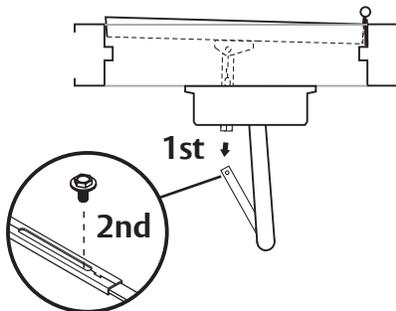
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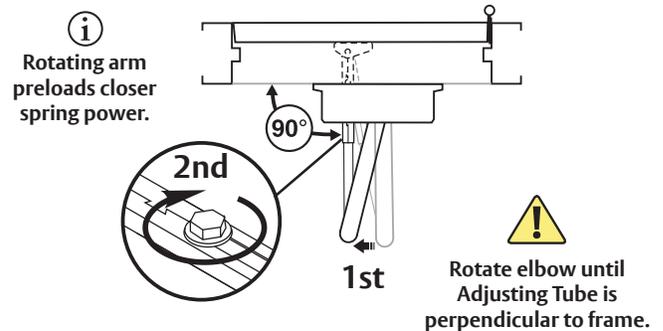
**3. Install separate arms.**



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



You've now installed the **CA1600 Non Hold Open Closer - Top Jamb Mount**.

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

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