



ASSA ABLOY

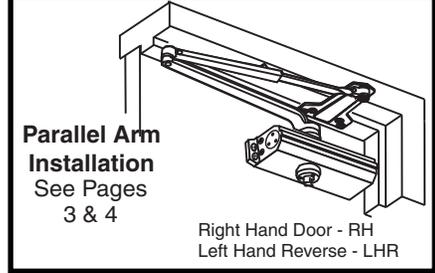
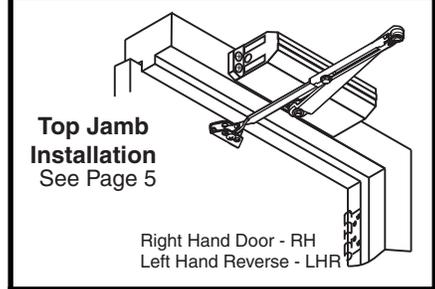
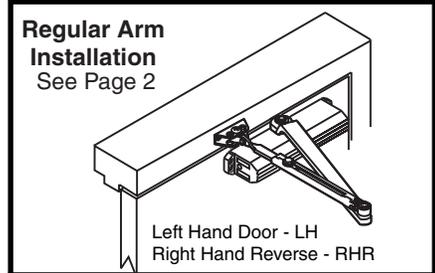
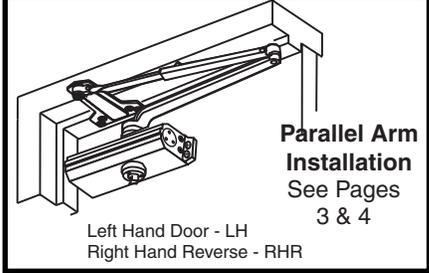
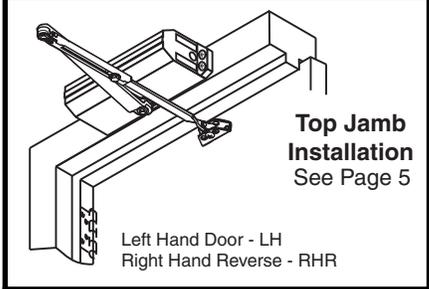
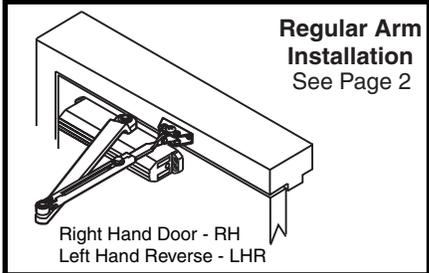
# Installation Instructions

## Tri-Style 1600 Series Non Handed Door Closer

### Non Hold Open Models

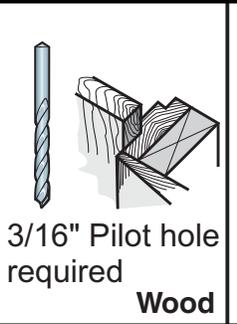
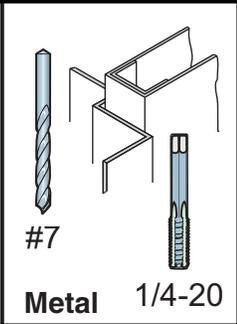
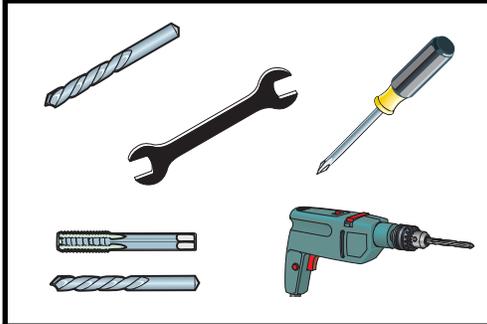
Weaker ↓ Stronger +	Sized (Sizes 3,4) <b>1603BC</b> <b>1604BC</b>	Adjustable (Sizes 1 thru 6)  <b>1601</b> 
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**CAUTION** An Incorrectly installed or improperly adjusted door closer can cause property damage or personal injury. These installation instructions should be followed to avoid the possibility of misapplication or misadjustment.



**NOTE:** 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.
- Door and frame must be properly reinforced.
- Adjust closing time speed between 3 and 7 seconds from 90° to 0°.
- These door closers should NOT be installed on the exposed side (weather side) of exterior doors.

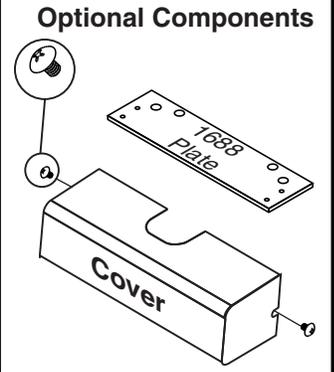
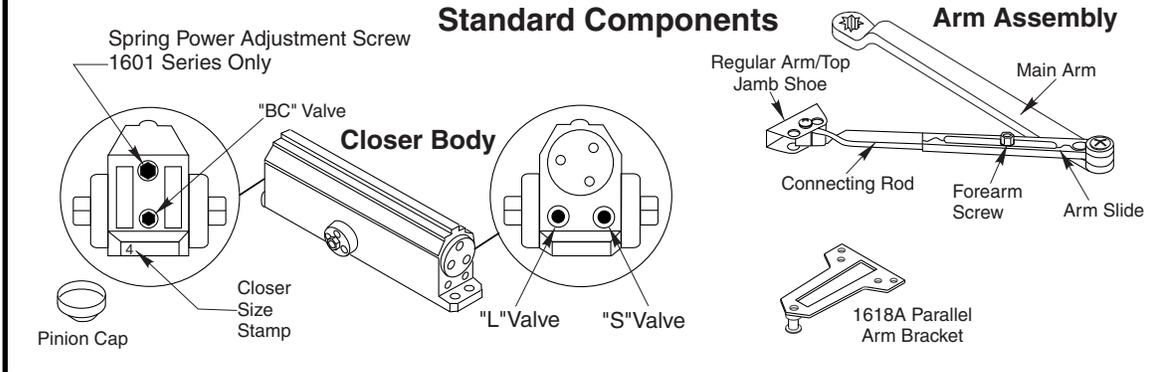


**Self Drilling Screws**  
Wood and Metal  
For Wood drill 3/16 hole

**Machine Screws**  
#7 Drill, 1/4-20 Tap

**(Optional)**  
**Sleeve Nut and Bolt**  
Drill 9/32 thru from Closer Side  
3/8 Drill other side

**Thru Bolt and Grommet Nut**  
Drill 9/32 thru from Closer Side  
3/8 Drill other Side

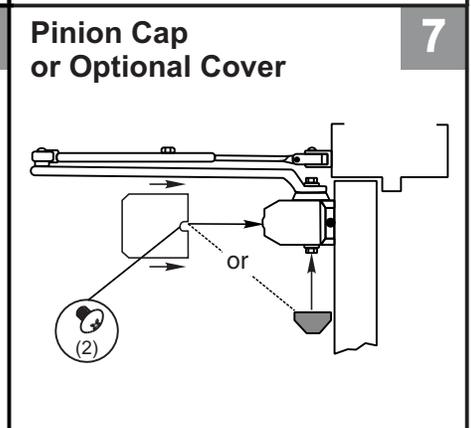
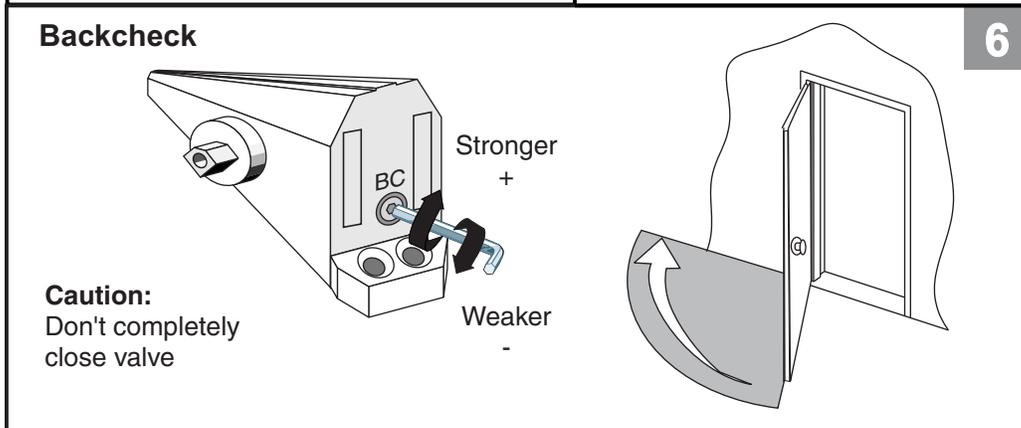
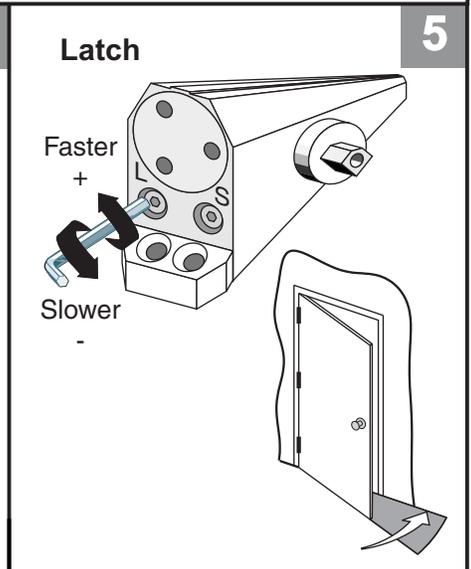
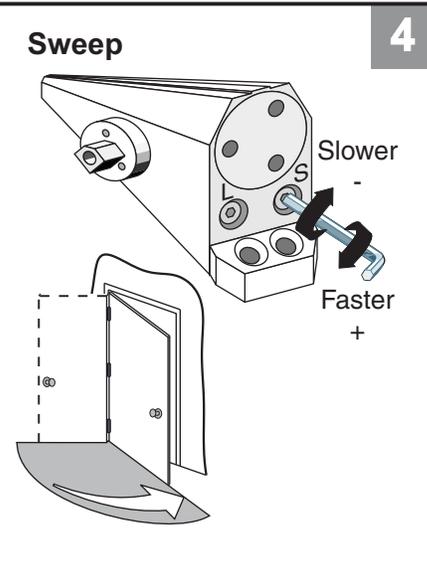
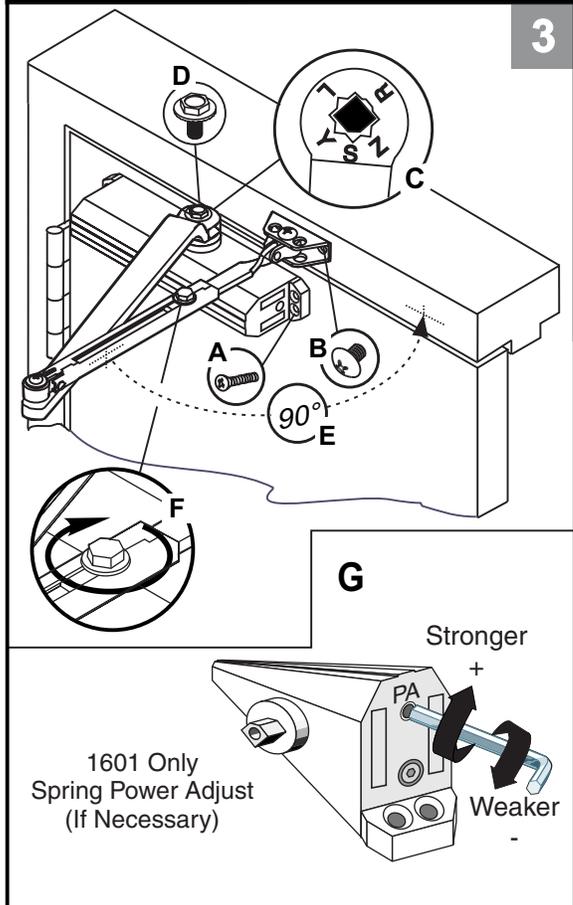
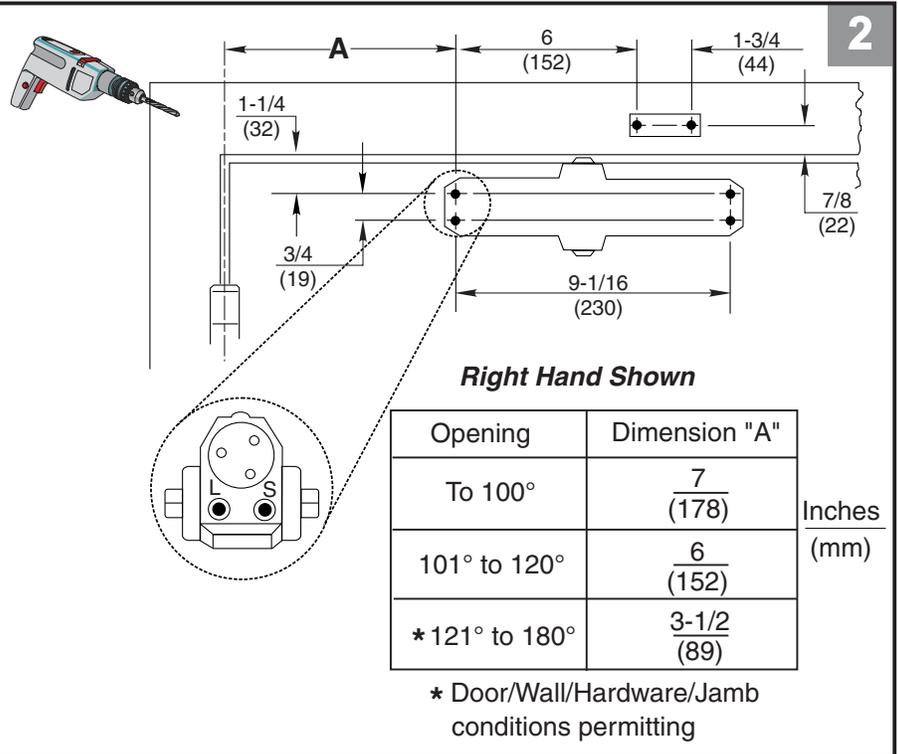
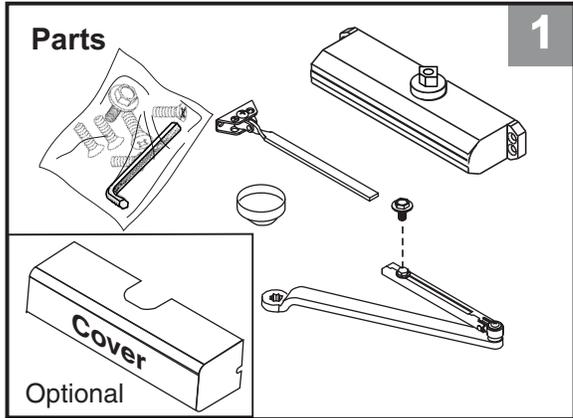


# 1600 Series

## Non Hold Open Door Closers — Regular Arm



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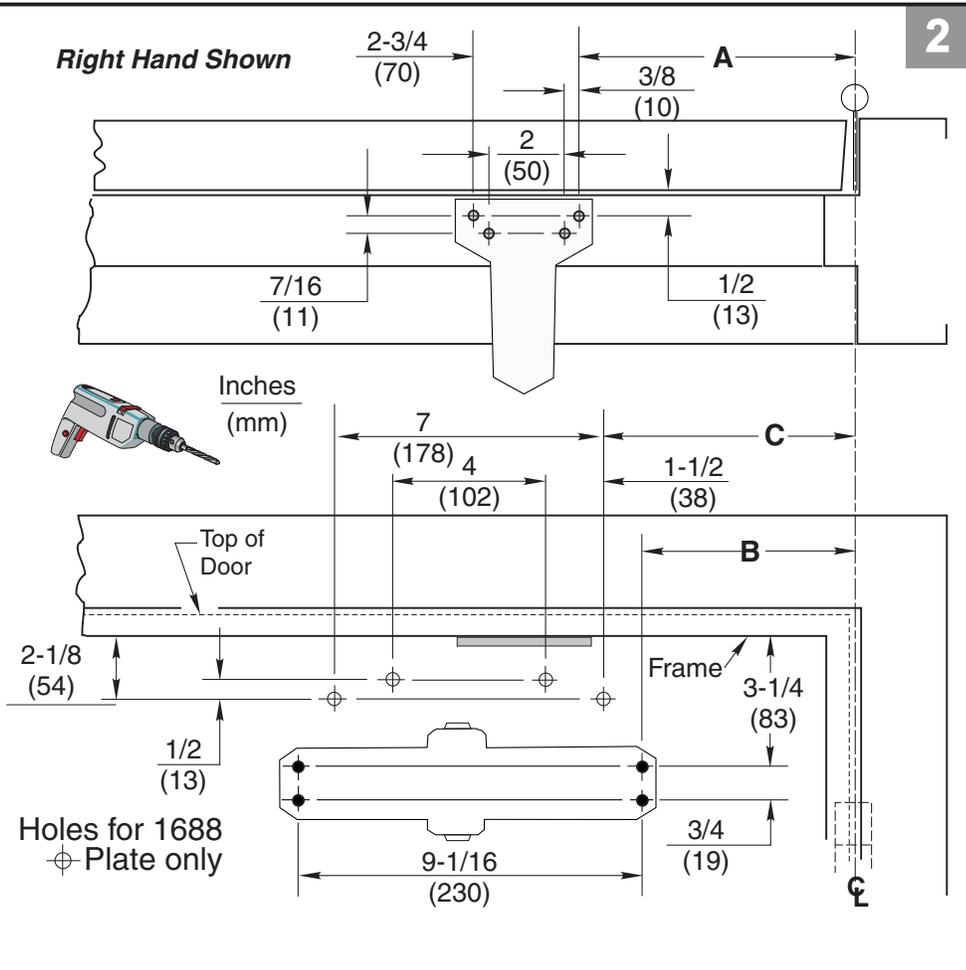
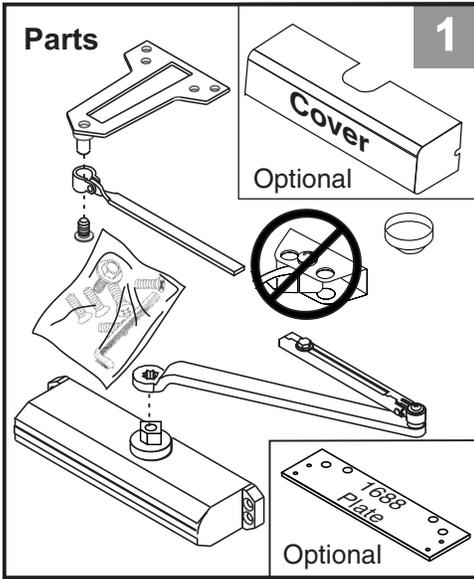


# 1600 Series

## Non Hold Open Door Closers — Parallel Arm

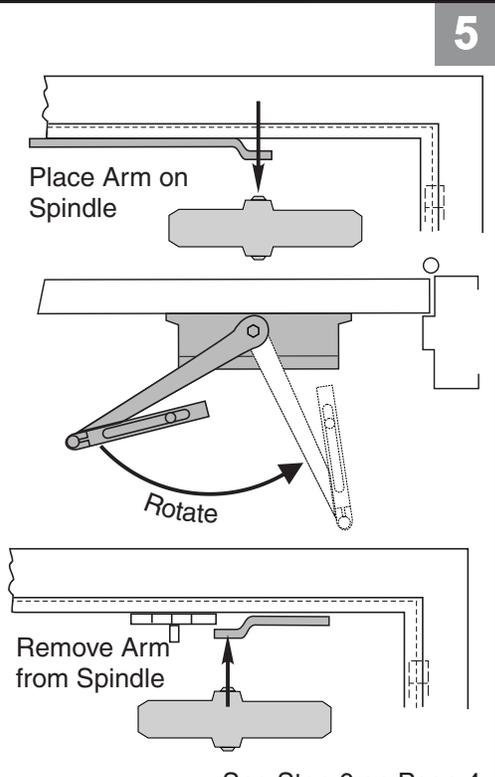
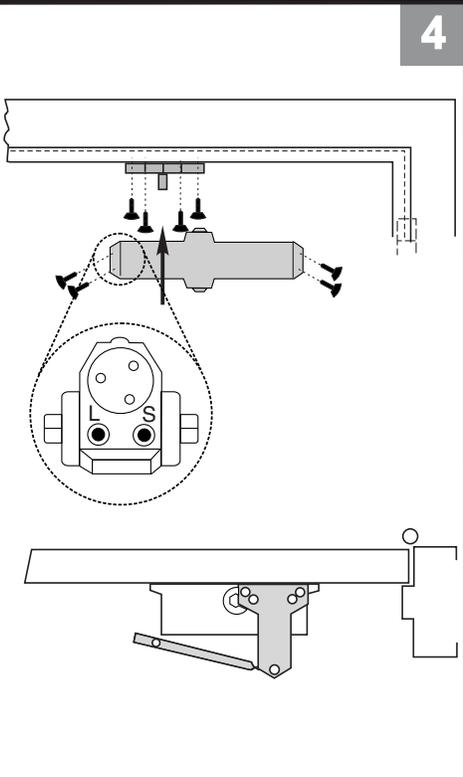
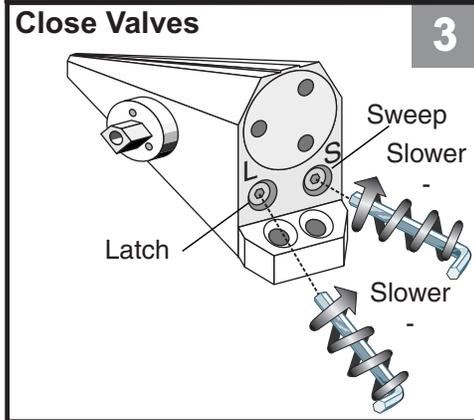


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Door Opening	A	B	C
To 100°	9-1/4 (235)	7-5/8 (194)	8-5/8 (219)
101° to 130°	7-3/4 (197)	6-1/8 (156)	7-1/8 (181)
*131° to 180°	5-3/4 (146)	4-1/8 (105)	5-1/8 (130)

\* Door/Wall/Hardware/Jamb conditions permitting



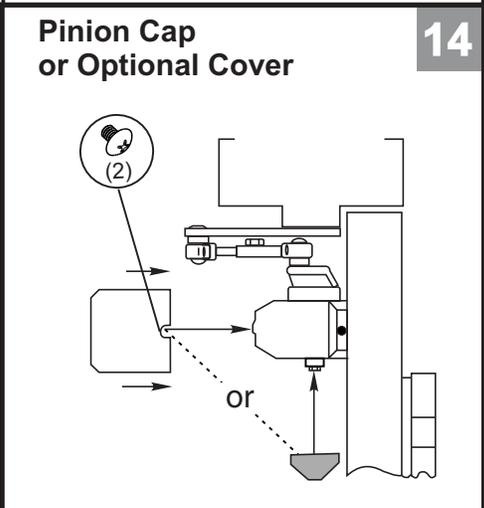
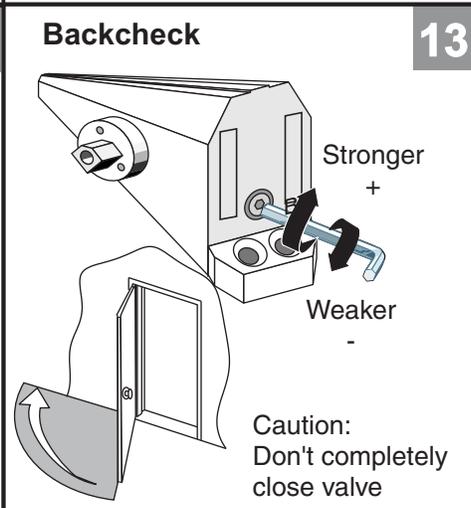
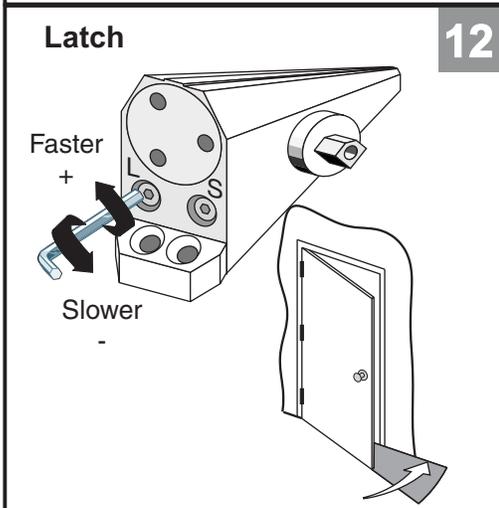
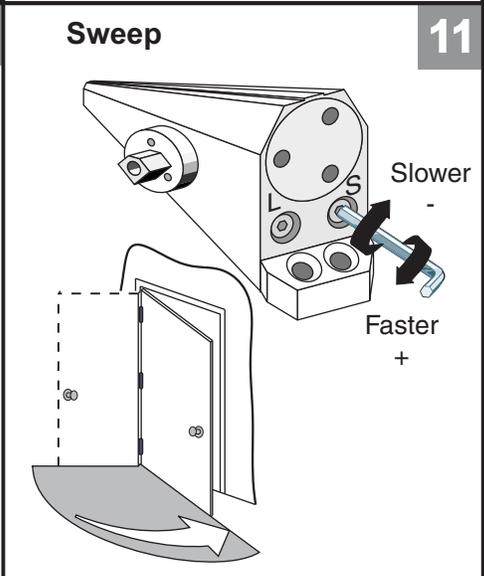
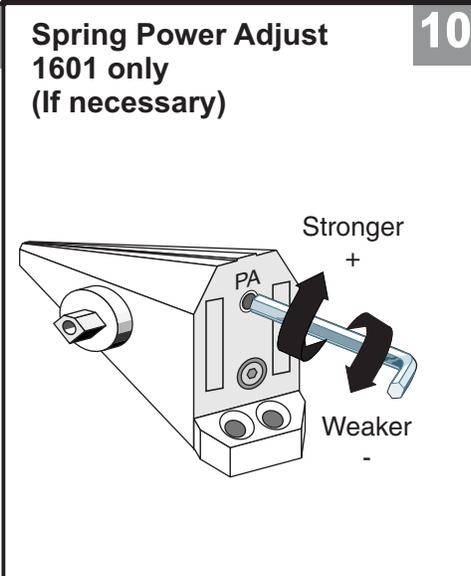
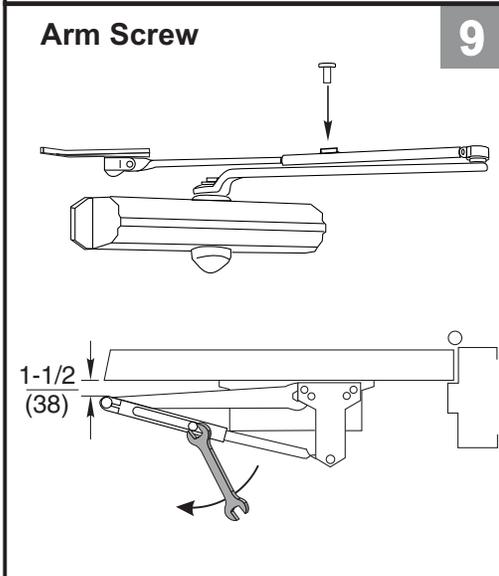
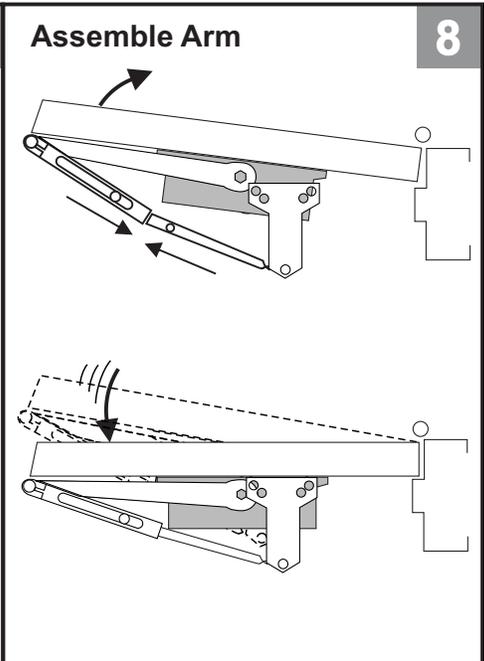
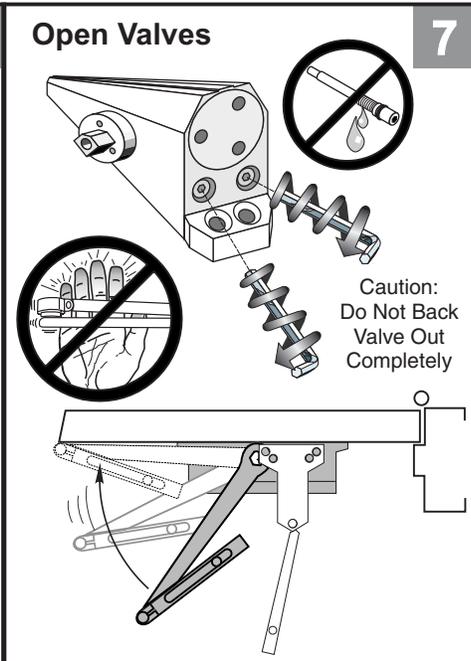
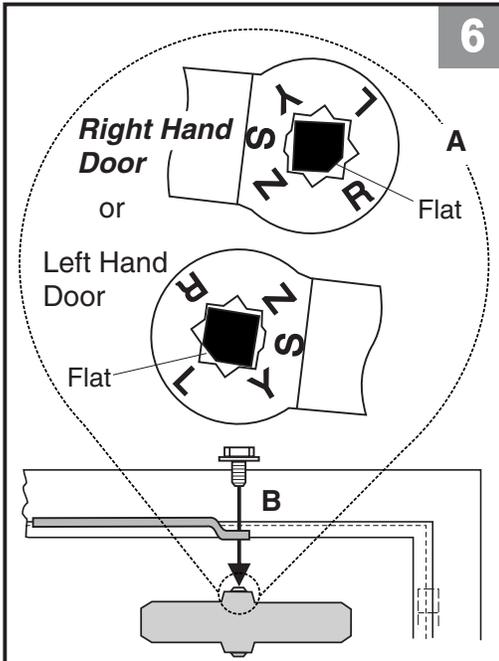
See Step 6 on Page 4

# 1600 Series

## Non Hold Open Door Closers — Parallel Arm



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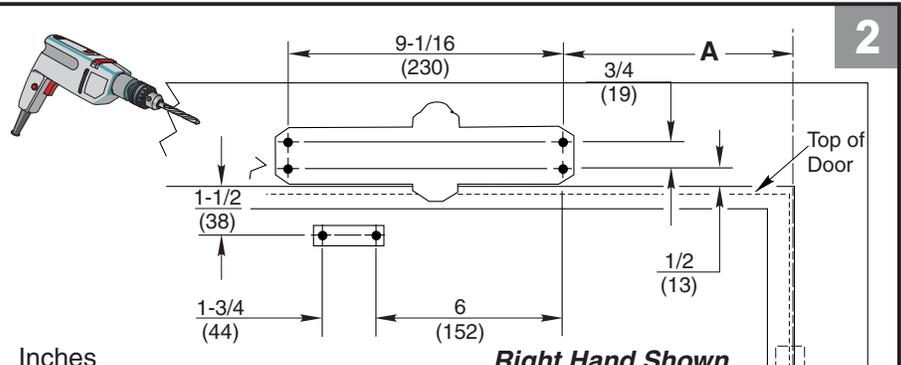
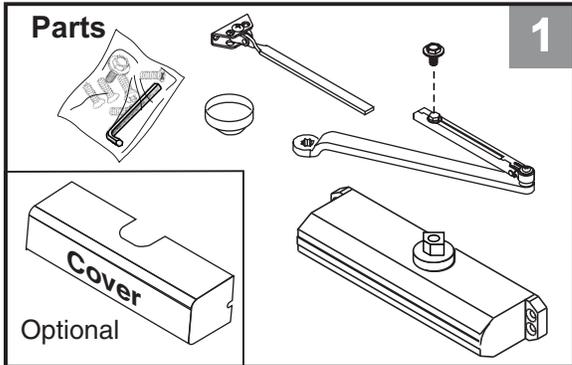


# 1600 Series

## Non Hold Open Door Closers — Top Jamb Arm



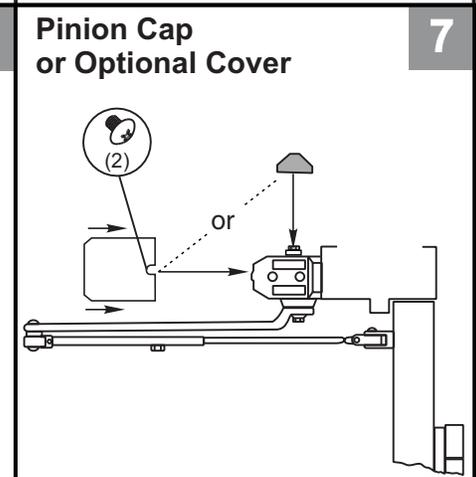
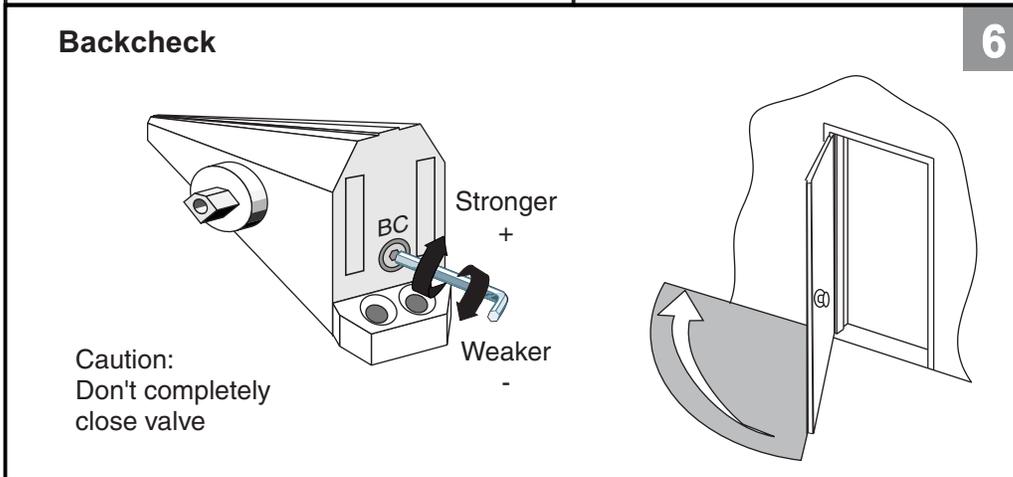
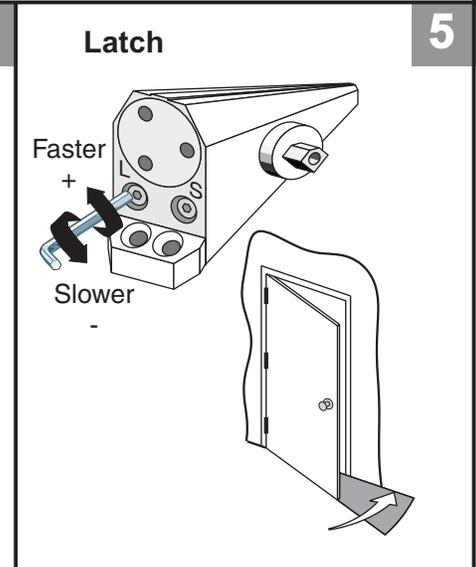
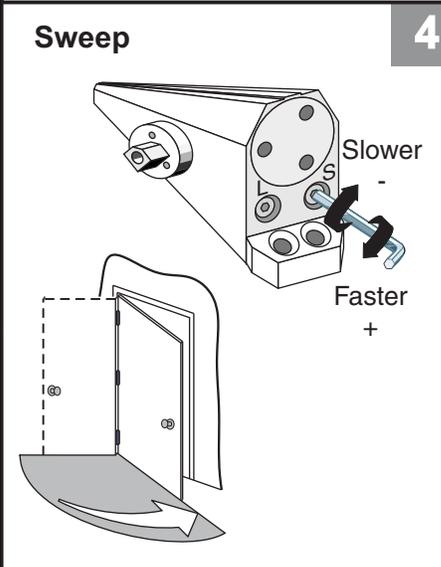
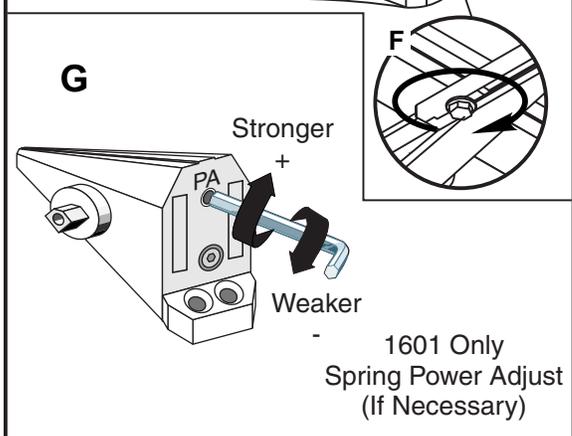
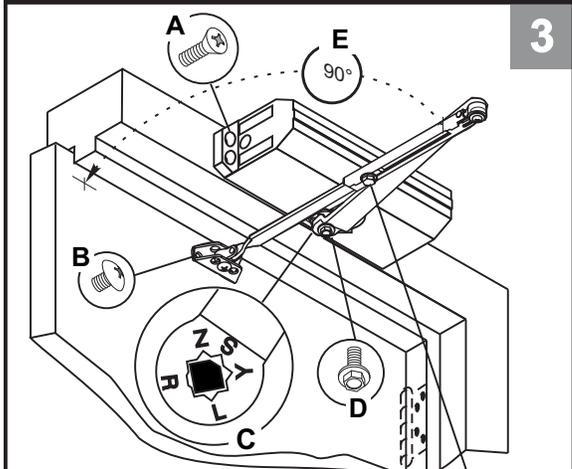
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\* Door/Wall/Hardware/Jamb conditions permitting

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

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



# 1600 Series Adjustments

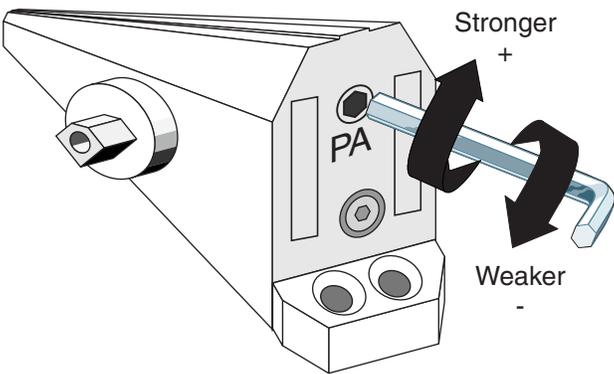
**Sweep**

**Latch**

(Use 1/8" Hex Wrench for these Adjustments)

**Backcheck**

## Spring Power Adjust 1601 only

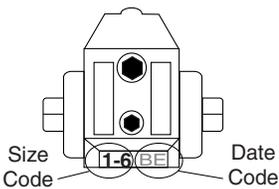


(Use 3/16" Hex Wrench for this Adjustment)

Adjustment Chart				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)
1601	INTERIOR	Regular Arm Top Jamb	FULL 360° TURNS OF 3/16 POWER ADJUSTMENT WRENCH	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

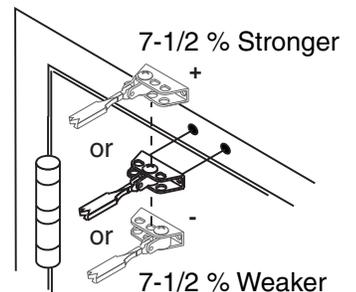
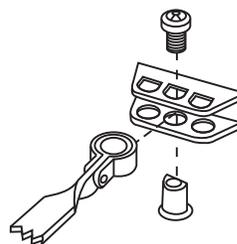
\*30 FULL (360°) TURNS MAXIMUM AVAILABLE  
 = 8 Turns As Shipped

### To identify your model:



1- 6=1601  
 3=1603BC  
 4=1604BC

### Arm Placement in Shoe



**ASSA ABLOY**

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