



ASSA ABLOY

Installation Instructions

Tri-Style 1600 Series

Non Handed Door Closer

Non Hold Open Models

Sized
(Sizes 2,3,4,5,6)

Adjustable
(Sizes 3 thru 6)

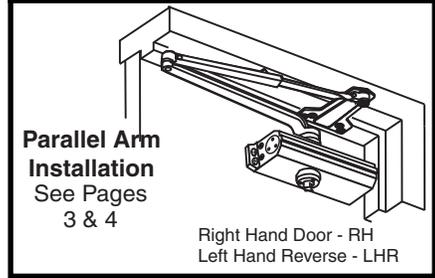
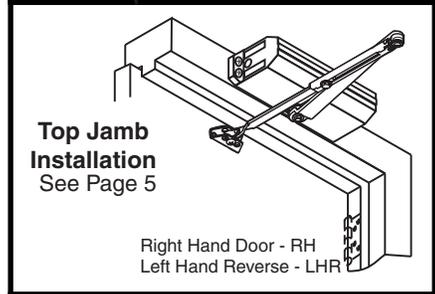
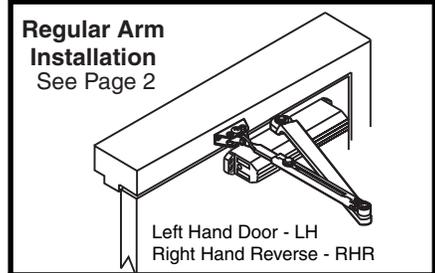
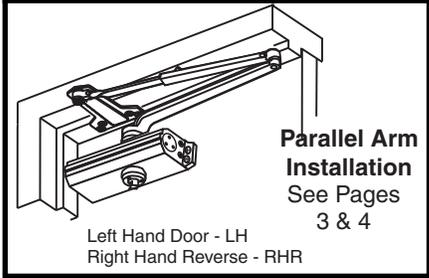
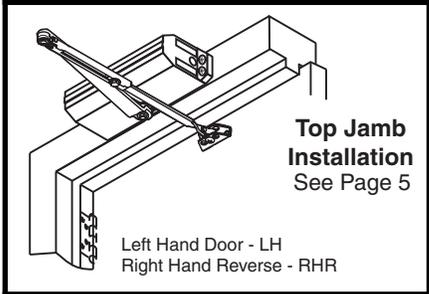
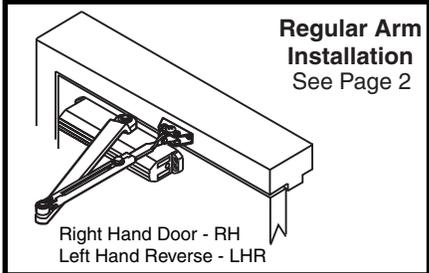
Weaker
↓
Stronger
+

1602BC
1603BC
1604BC
1605BC
1606BC

1601
(Sizes 1 thru 4)
1601BF



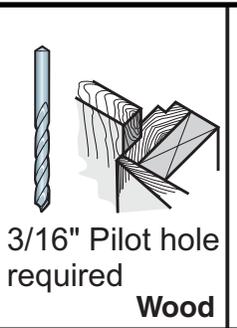
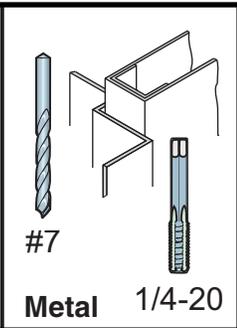
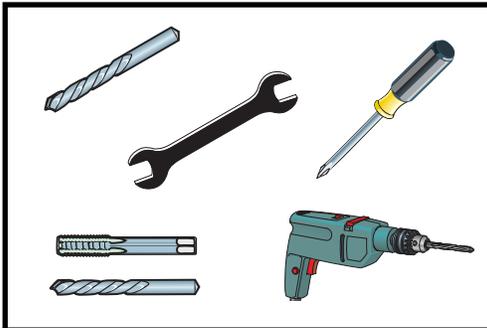
CAUTION An Incorrectly installed or improperly adjusted door closer can cause property damage or personal injury. These installation instructions should be followed to avoid the possibility of misapplication or misadjustment.



"DA" suffix (Delayed Action) is an optional feature. A separate sheet is supplied showing closer adjustments.

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.

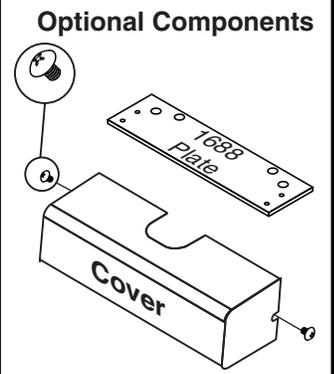
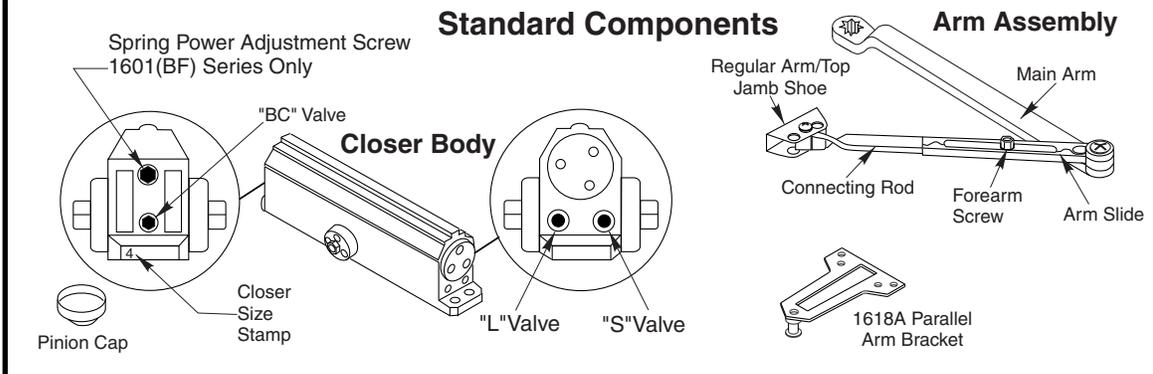
- Doors should be hung on ball bearing or anti-friction hinges.
- A separate door stop is recommended.
- Door and frame must be properly reinforced.
- Adjust closing time speed between 3 and 7 seconds from 90° to 0°.
- These door closers should NOT be installed on the exposed side (weather side) of exterior 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

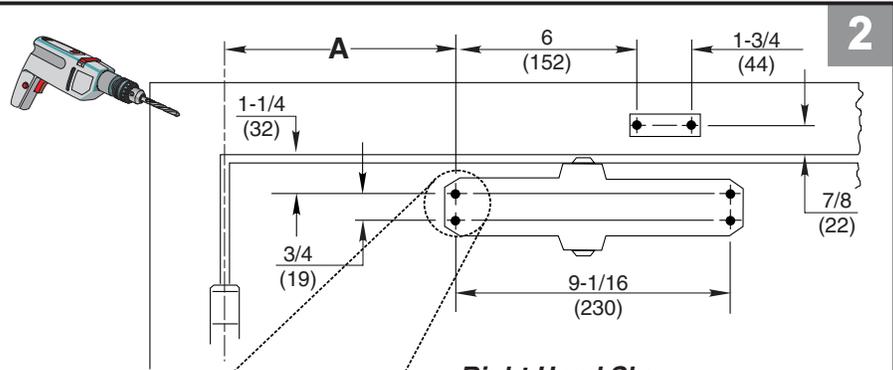
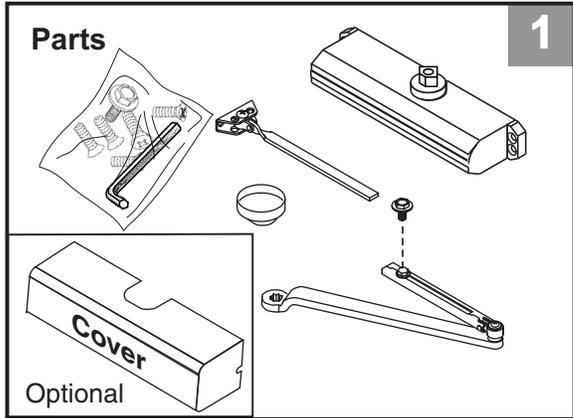


1600 Series

Non Hold Open Door Closers — Regular Arm

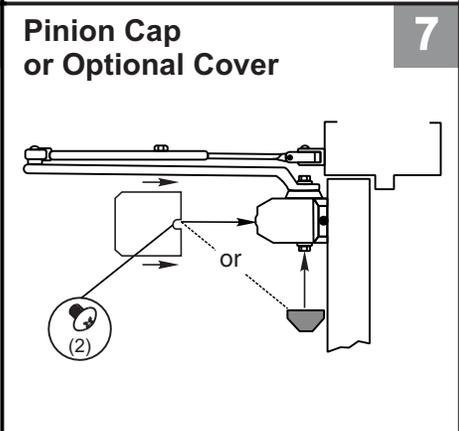
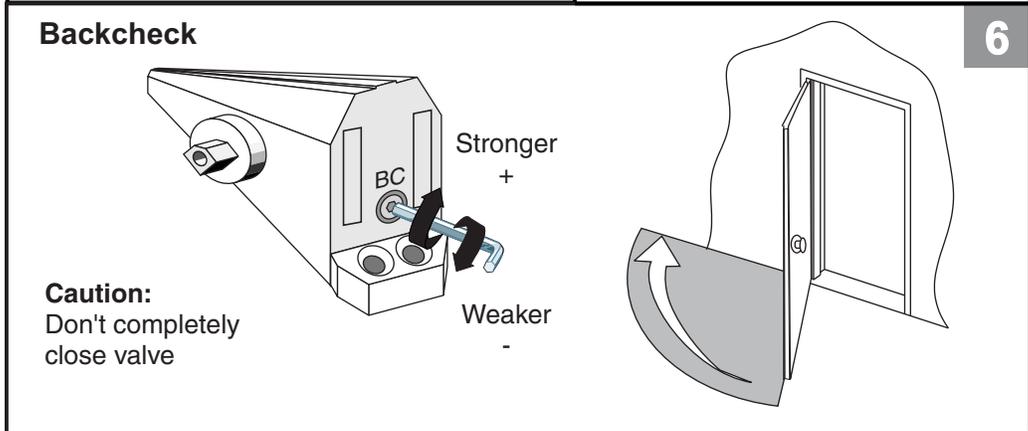
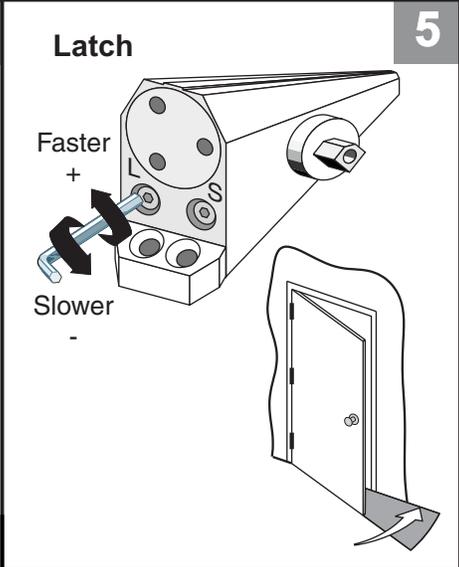
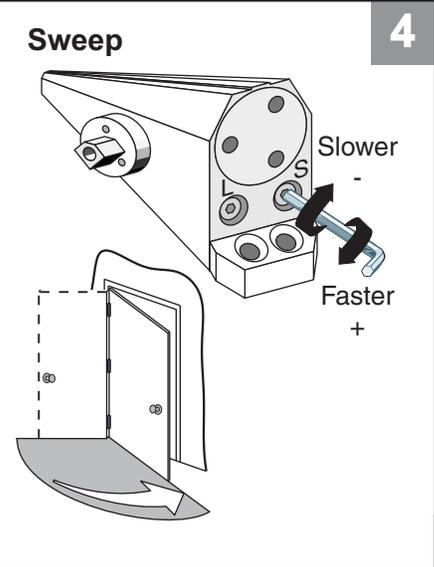
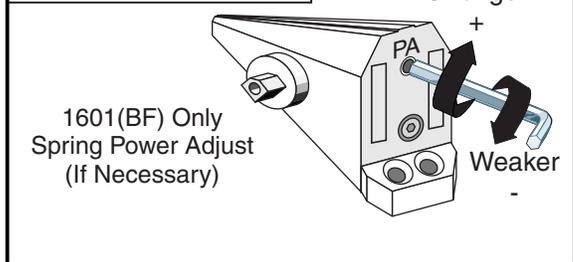
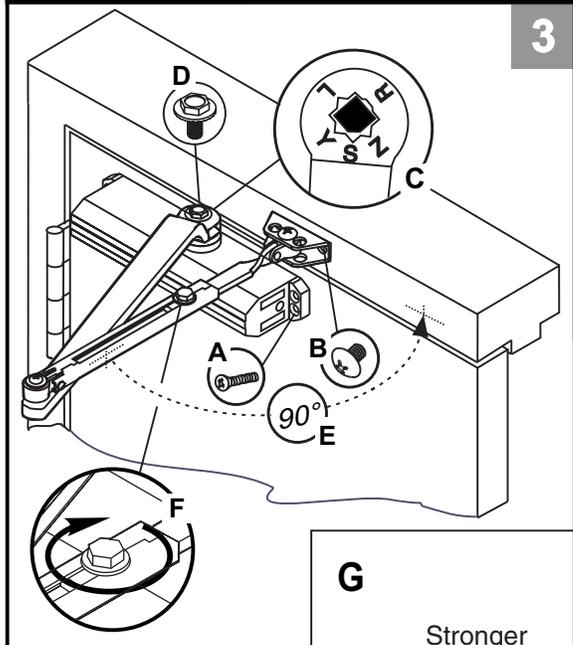


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Opening	Dimension "A"	Inches (mm)
To 100°	$\frac{7}{(178)}$	
101° to 120°	$\frac{6}{(152)}$	
* 121° to 180°	$\frac{3-1/2}{(89)}$	

* Door/Wall/Hardware/Jamb conditions permitting

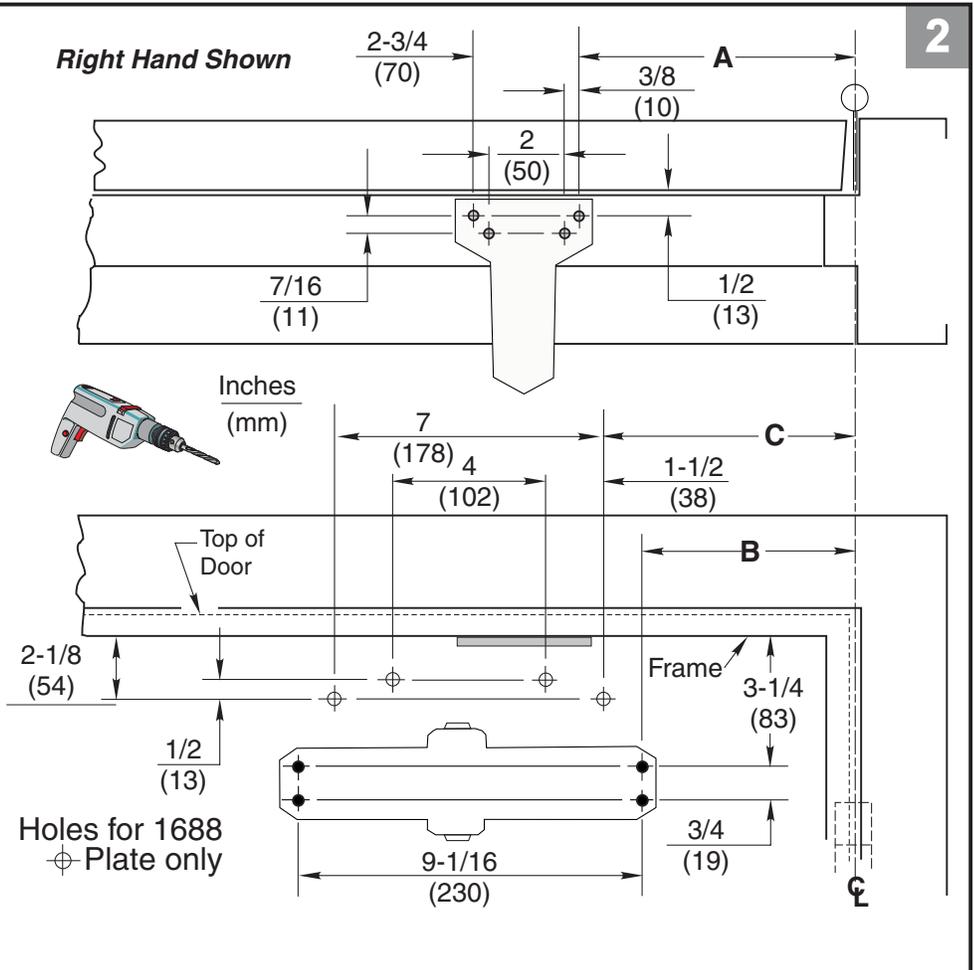
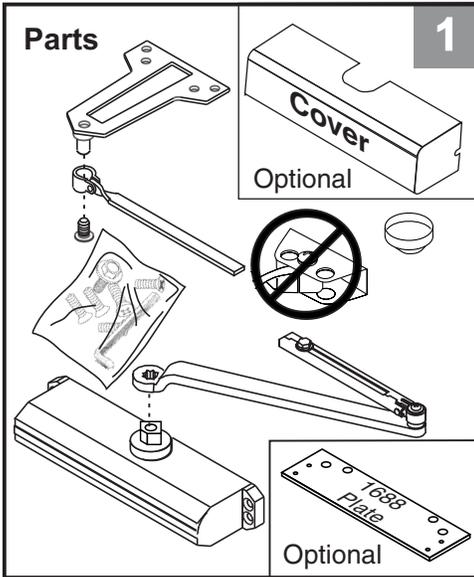


1600 Series

Non Hold Open Door Closers — Parallel Arm

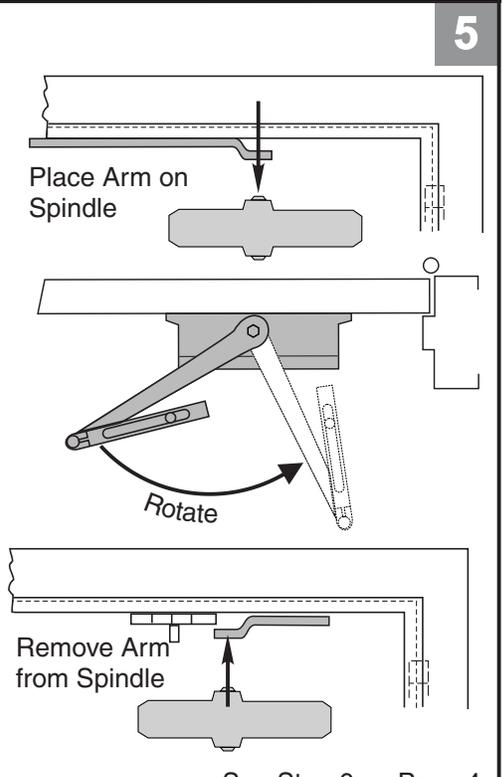
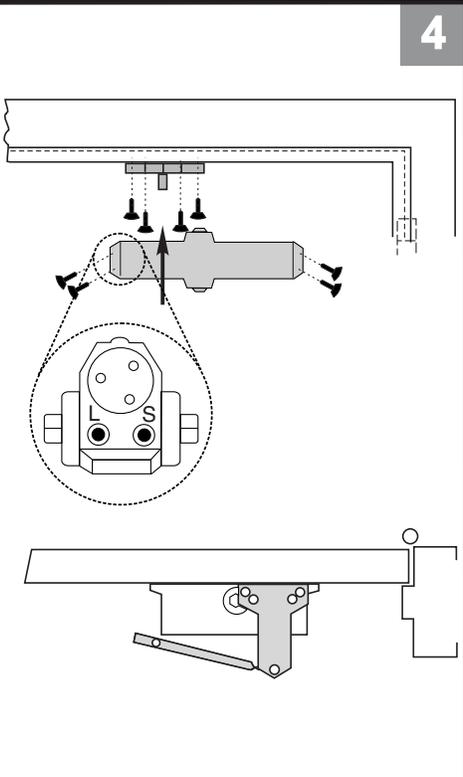
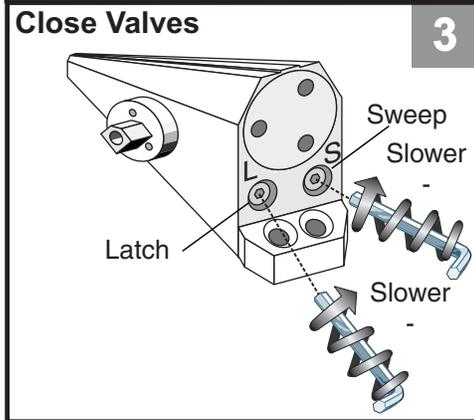


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Door Opening	A	B	C
To 100°	9-1/4 (235)	7-5/8 (194)	8-5/8 (219)
101° to 130°	7-3/4 (197)	6-1/8 (156)	7-1/8 (181)
*131° to 180°	5-3/4 (146)	4-1/8 (105)	5-1/8 (130)

* Door/Wall/Hardware/Jamb conditions permitting



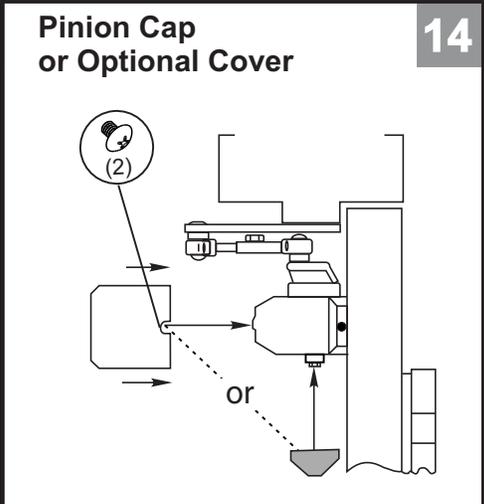
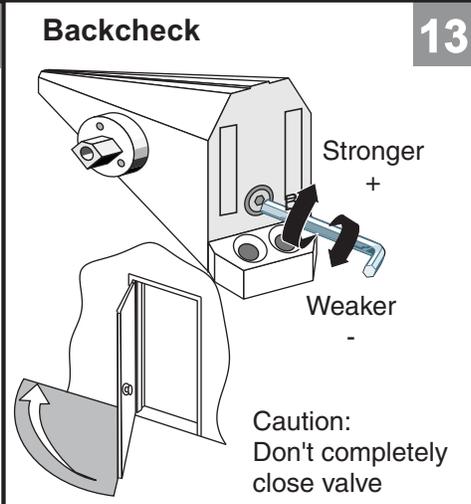
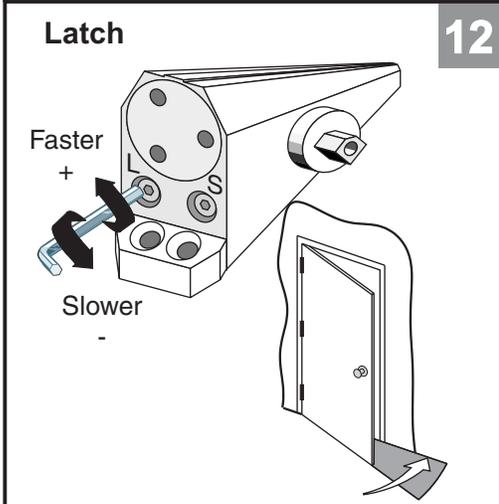
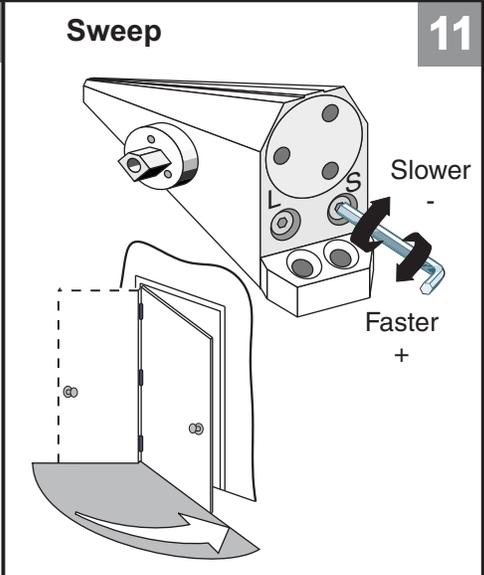
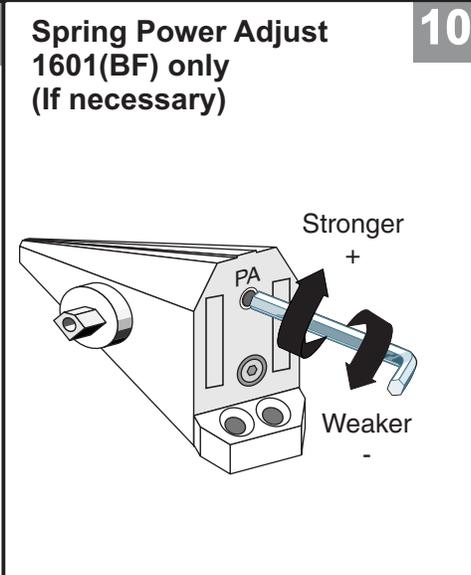
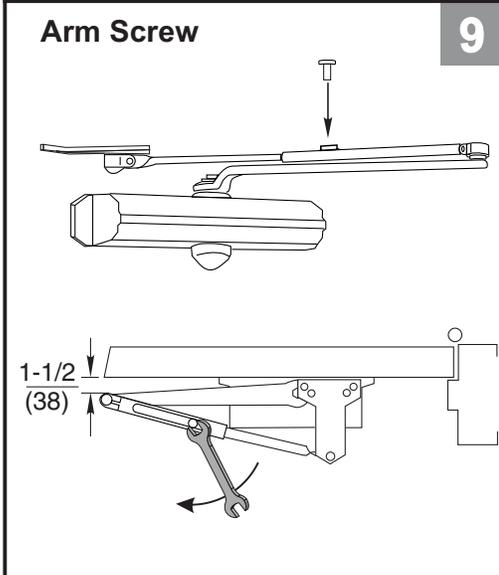
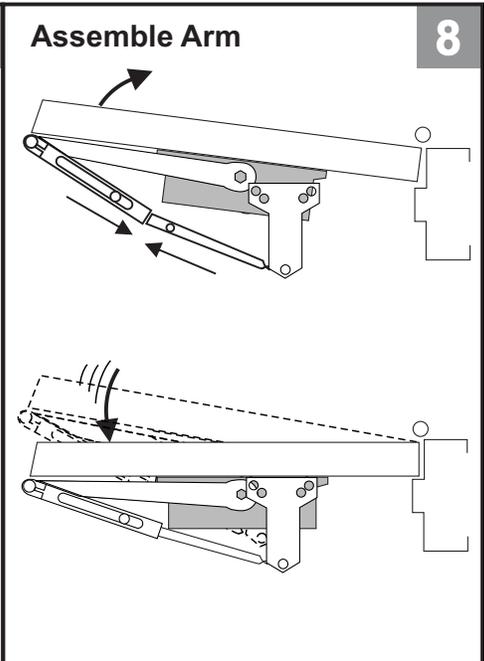
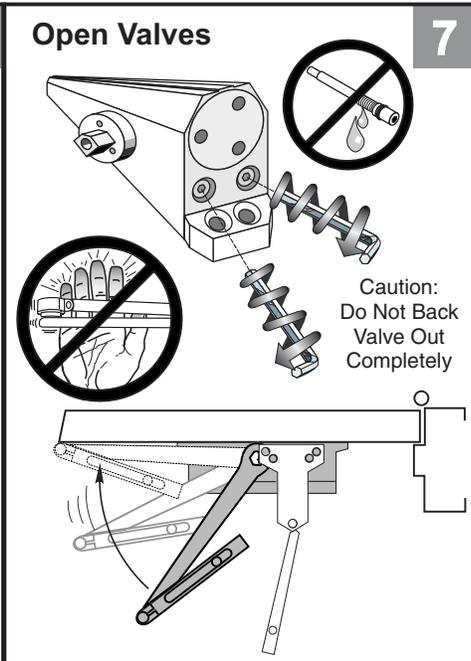
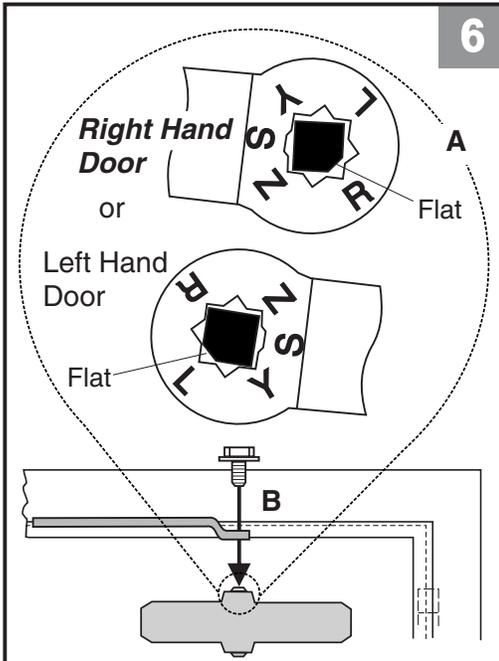
See Step 6 on Page 4

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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1 Parts

Optional Cover

2

Inches (mm) * 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)

Right Hand Shown

3

4 Sweep

5 Latch

6 Backcheck

Caution: Don't completely close valve

7 Pinion Cap or Optional Cover

1600 Series Adjustments

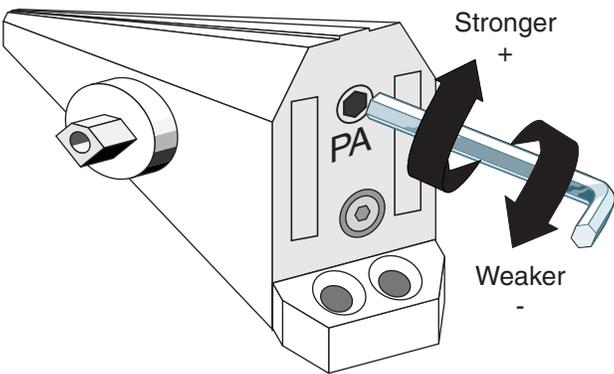
Sweep

Latch

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

Backcheck

Spring Power Adjust 1601 (BF) only

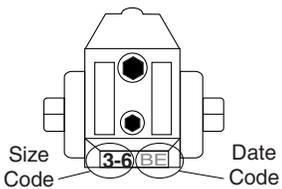


(Use 3/16" Hex Wrench for this Adjustment)

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)	
1601BF	INTERIOR	Regular Arm Top Jamb	FULL 360° TURNS OF 3/16 POWER ADJUSTMENT WRENCH	1	1	2	3	3	
		Parallel Arm		2	2	3	4	5	
	EXTERIOR	Regular Arm Top Jamb		5	6	8	NOT RECOMMENDED USE 1601		
		Parallel Arm		8	9	12			
1601	INTERIOR	Regular Arm Top Jamb		FULL 360° TURNS OF 3/16 POWER ADJUSTMENT WRENCH	2	4	6	9	11
		Parallel Arm			3	5	7	10	13
	EXTERIOR	Regular Arm Top Jamb			3	5	7	10	13
		Parallel Arm			5	7	10	14	16

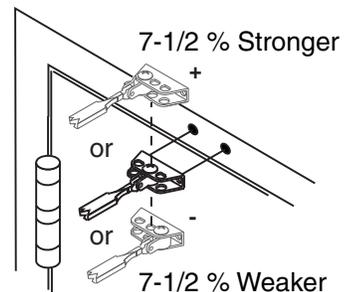
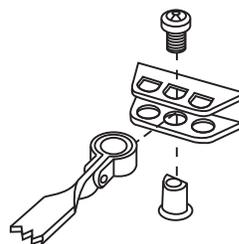
*18 FULL (360°) TURNS MAXIMUM AVAILABLE
 = 8 Turns As Shipped

To identify your model:



- 2=1602BC 3-6=1601
- 3=1603BC 1-4=1601BF
- 4=1604BC
- 5=1605BC
- 6=1606BC

Arm Placement in Shoe



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