



# Installation Instructions

## Hold Open Arm Models

Sized (Sizes 2,3,4,5,6) Adjustable (Sizes 3 thru 6)  
**1601H**

Weaker  
 ↓  
 Stronger  
 +

**1602BC-H**  
**1603BC-H**  
**1604BC-H**  
**1605BC-H**  
**1606BC-H**

(Sizes 1 thru 4)  
**1601BF-H**



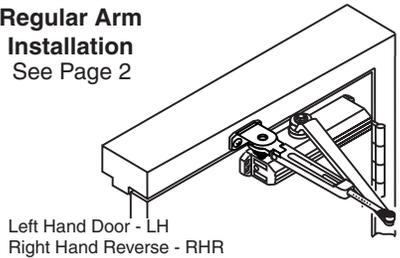
## ASSA ABLOY

# Tri-Style 1600H Series

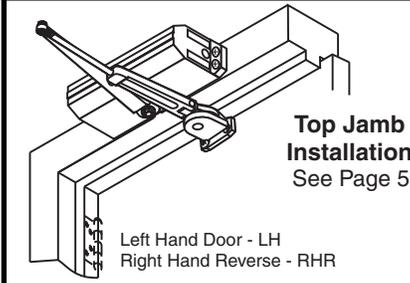
### Non Handed Door Closer

### Non Handed Door Closer

#### Regular Arm Installation See Page 2

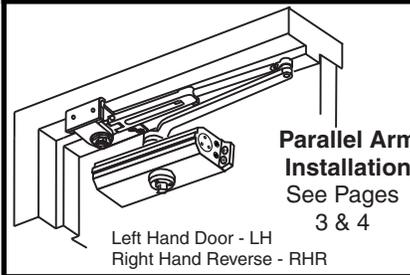


Left Hand Door - LH  
 Right Hand Reverse - RHR



#### Top Jamb Installation See Page 5

Left Hand Door - LH  
 Right Hand Reverse - RHR



#### Parallel Arm Installation See Pages 3 & 4

Left Hand Door - LH  
 Right Hand Reverse - RHR

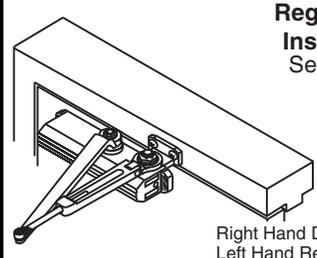
**CAUTION** An Incorrectly installed or improperly adjusted door closer can cause property damage or personal injury. These installation instructions should be followed to avoid the possibility of misapplication or misadjustment.

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

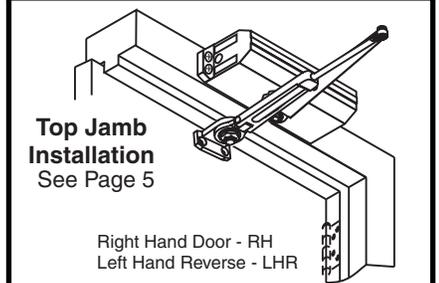
**NOTE:** For special applications a separate door and frame preparation template is packed with these instructions. Use this instruction sheet for installation sequence and closer adjustments only.

- 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.

#### Regular Arm Installation See Page 2

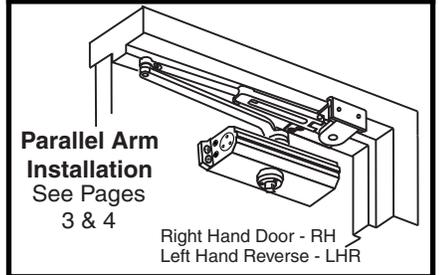


Right Hand Door - RH  
 Left Hand Reverse - LHR



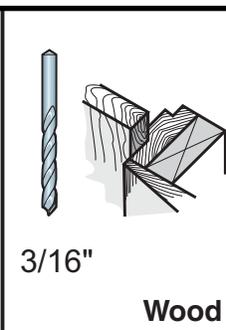
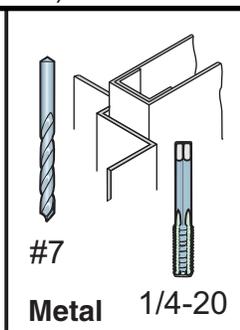
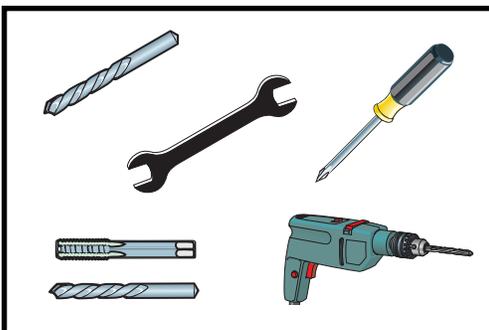
#### Top Jamb Installation See Page 5

Right Hand Door - RH  
 Left Hand Reverse - LHR



#### Parallel Arm Installation See Pages 3 & 4

Right Hand Door - RH  
 Left Hand Reverse - LHR

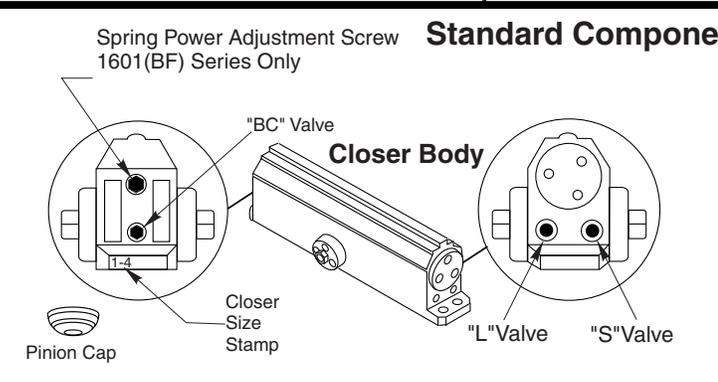


**Self Drilling Screws  
Wood and Metal**  
 For Wood drill 3/16 hole

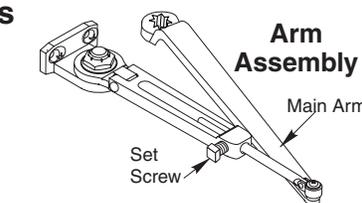
**Machine Screws**  
 #7 Drill, 1/4-20 Tap

**(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

### Standard Components



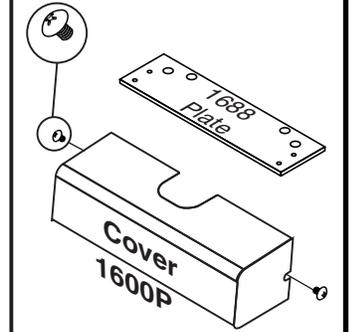
### Arm Assembly



### Soffit Adapter Plate



### Optional Components

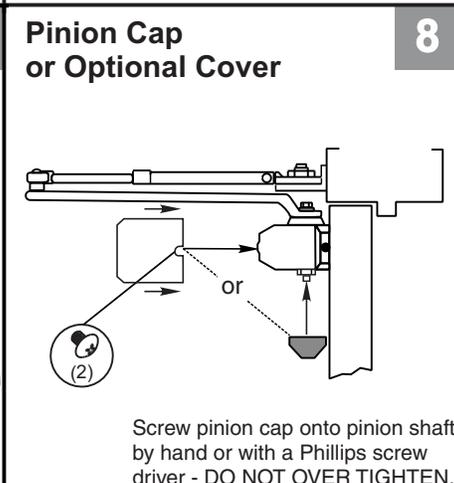
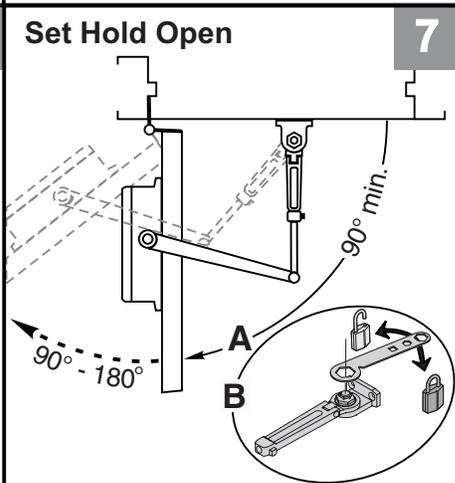
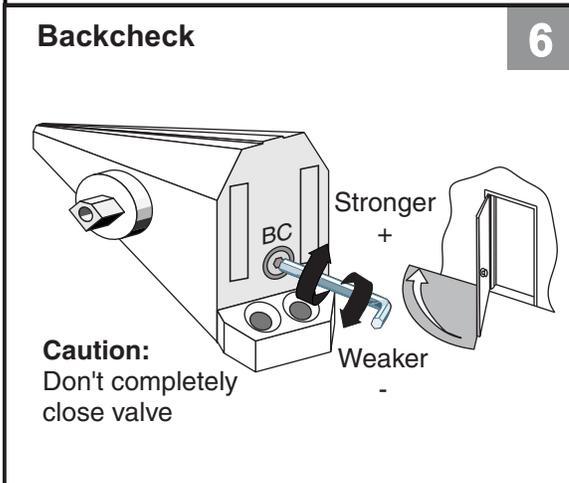
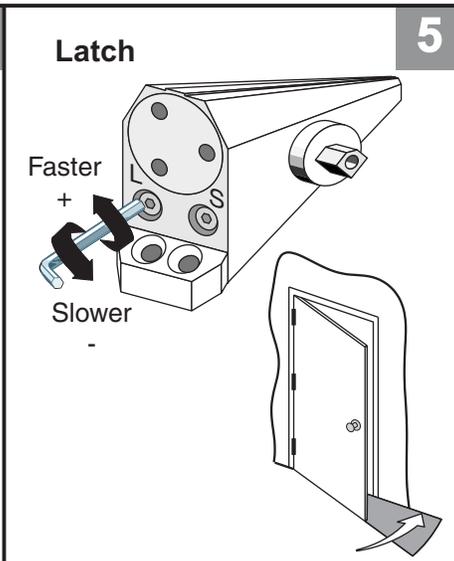
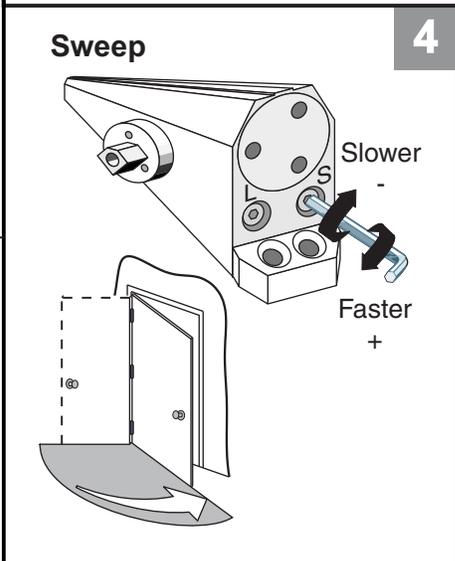
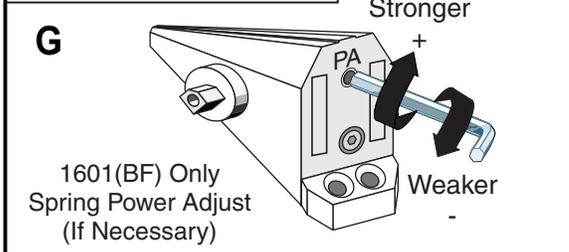
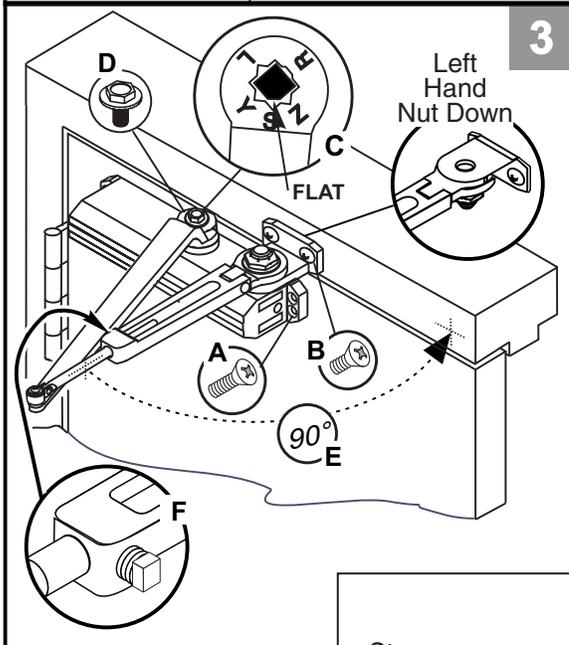
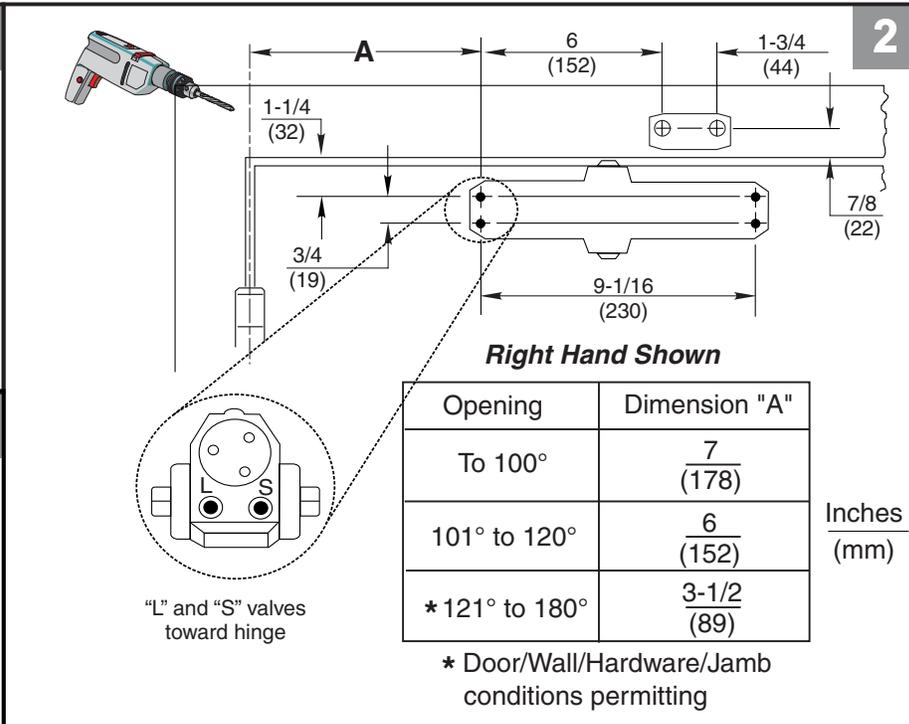
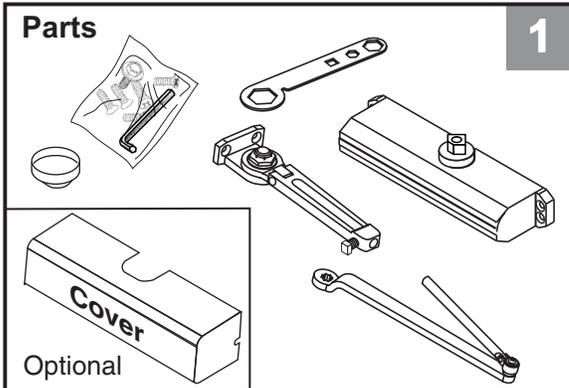


# 1600H Series

## Hold Open Arm Door Closers — Regular Arm



ASSA ABLOY

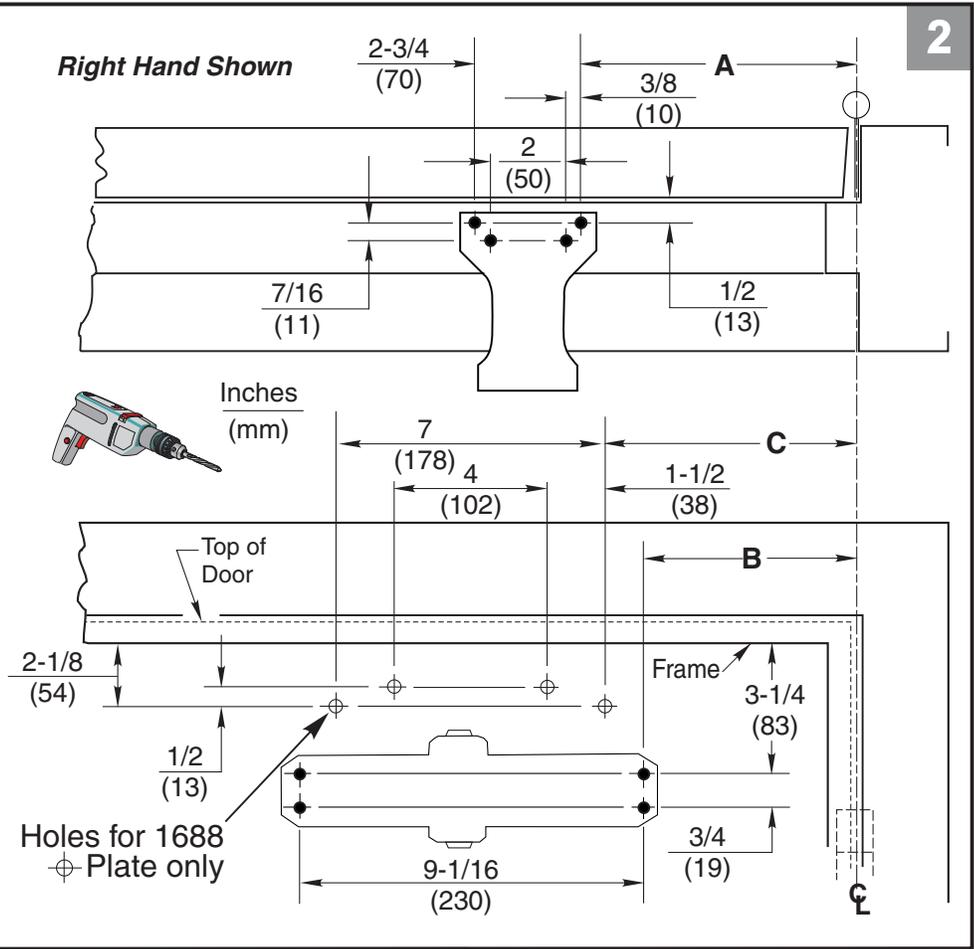
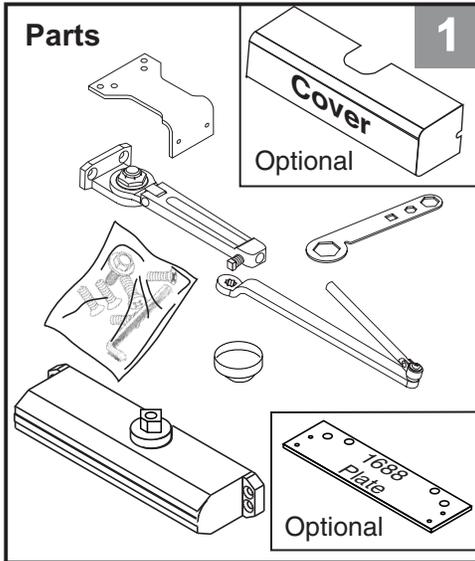


# 1600H Series

## Hold Open Arm Door Closers — Parallel Arm

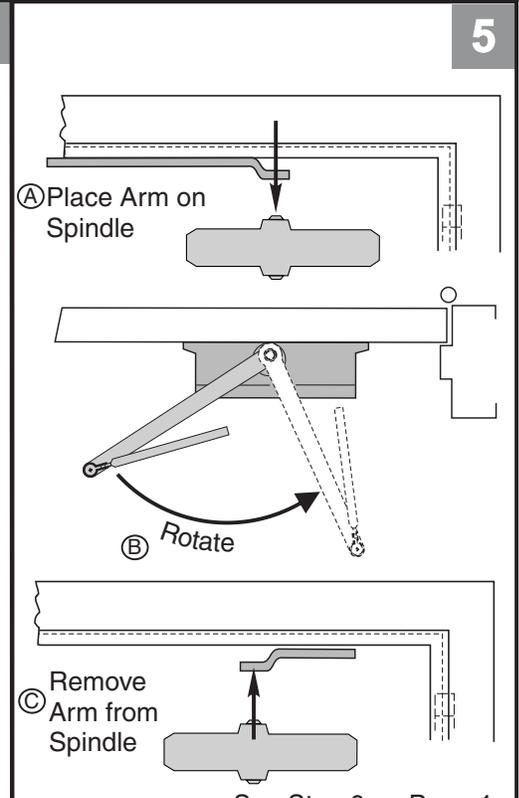
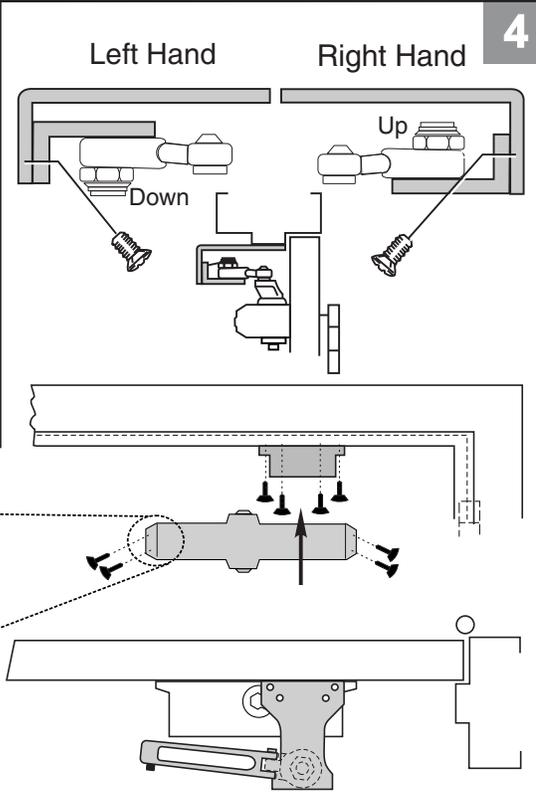
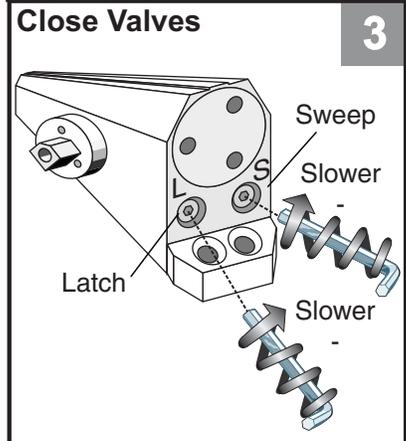


ASSA ABLOY



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

# 1600H Series

## Hold Open Arm Door Closers — Parallel Arm



ASSA ABLOY

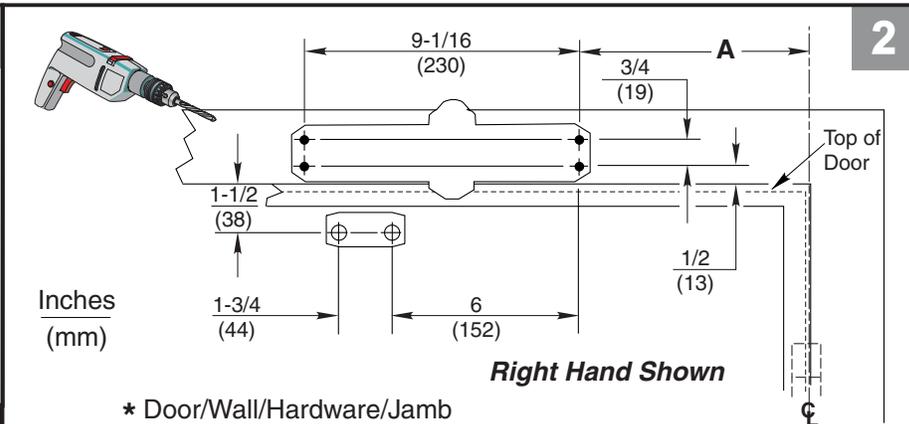
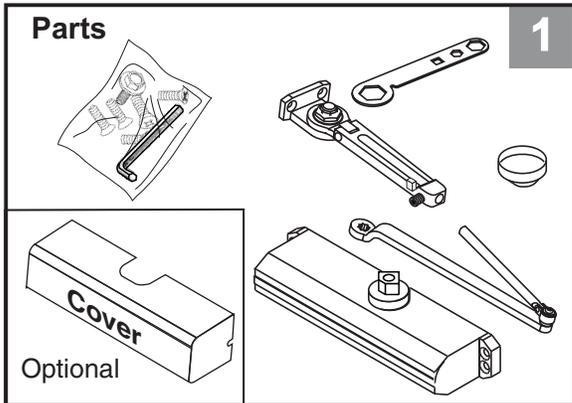
<p><b>6</b></p> <p>Right Hand Door or Left Hand Door Flat Flat A B</p>	<p><b>7</b></p> <p><b>Open Valves</b></p> <p>Caution: Do Not Back Valves out Completely</p>	<p><b>8</b></p> <p><b>Assemble Arm</b></p>	
<p><b>9</b></p> <p><b>Arm Screw</b></p> <p>1-1/2 (38)</p>	<p><b>10</b></p> <p><b>Spring Power Adjust 1601(BF) only (If necessary)</b></p> <p>Stronger + PA Weaker -</p>	<p><b>11</b></p> <p><b>Sweep</b></p> <p>Slower - Faster +</p>	<p><b>12</b></p> <p><b>Latch</b></p> <p>Faster + Slower -</p>
<p><b>13</b></p> <p><b>Backcheck</b></p> <p>Stronger + BC Weaker - Caution: Don't completely close valve</p>	<p><b>14</b></p> <p><b>Set Hold Open</b></p> <p>70° to 180° A B</p>	<p><b>15</b></p> <p><b>Pinion Cap or Optional Cover</b></p> <p>(2) OR Screw pinion cap onto pinion shaft by hand or with a Phillips screw driver - DO NOT OVER TIGHTEN.</p>	

# 1600H Series

## Hold Open Arm Door Closers — Top Jamb Arm



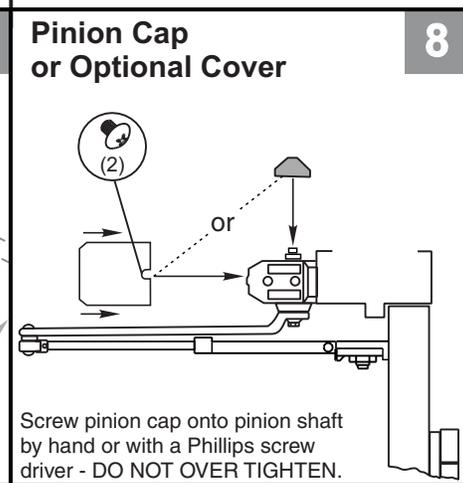
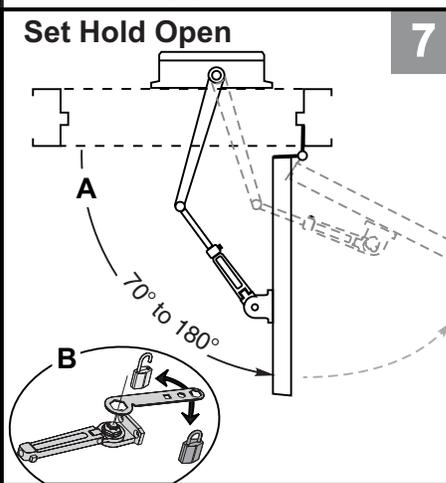
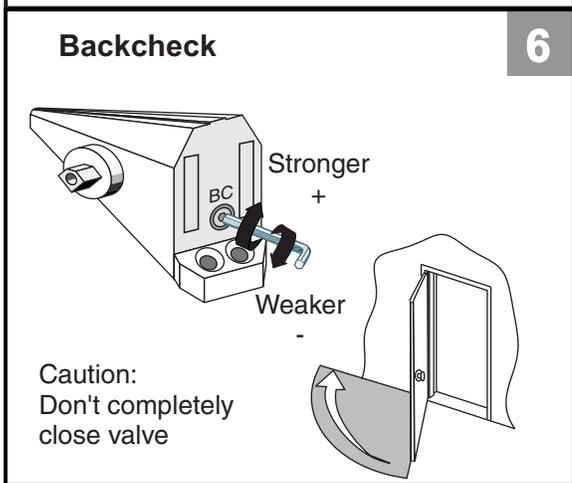
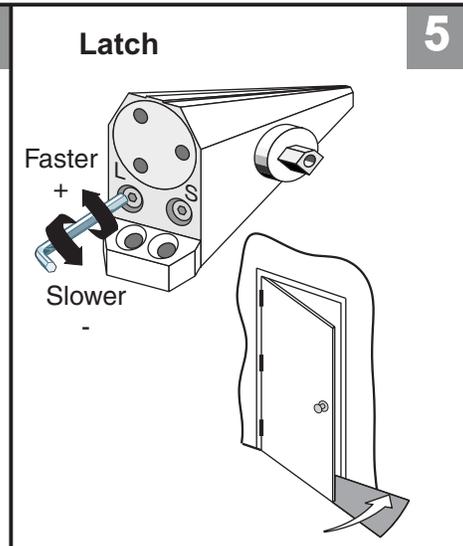
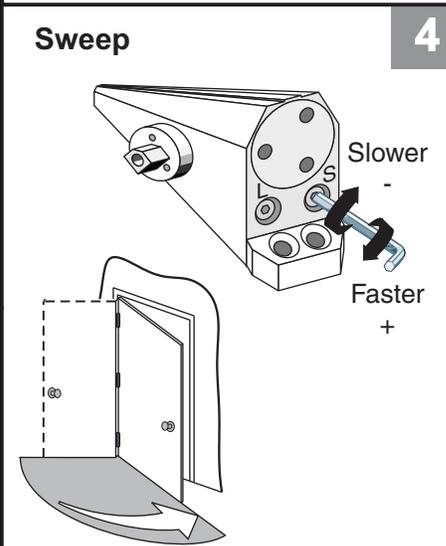
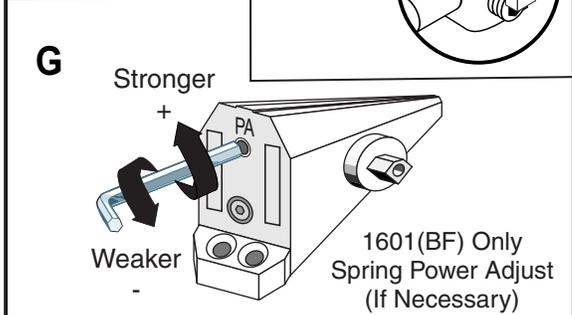
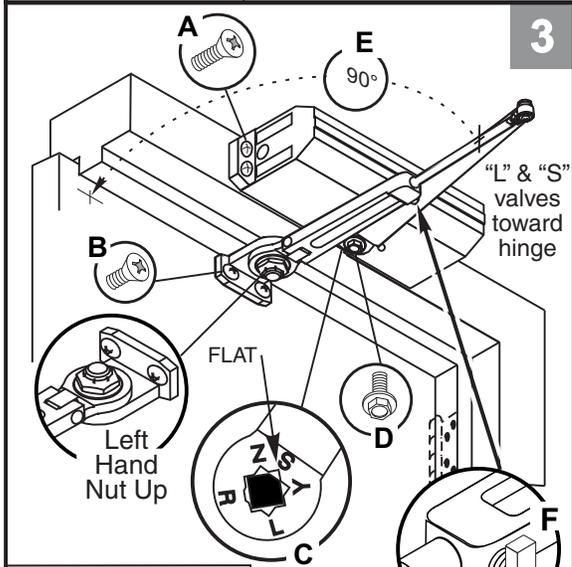
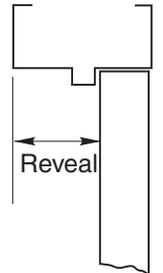
ASSA ABLOY



\* 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)

Longer connecting rod 7701-31A is required for reveals greater than 3" (76)

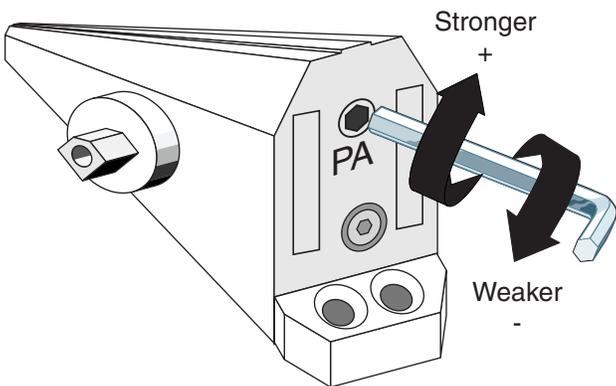


# 1600H Series Adjustments Page

**Sweep**      **Latch**      **Backcheck**

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

## Spring Power Adjust 1601 (BF) only



(Use 1/8" Hex Wrench for this Adjustment)

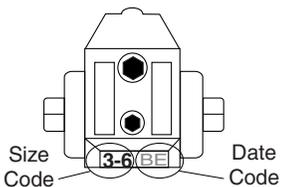
### Adjustment Chart

				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 1/8" 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 1/8" 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

\*\*As Shipped From Factory

### To identify your model:

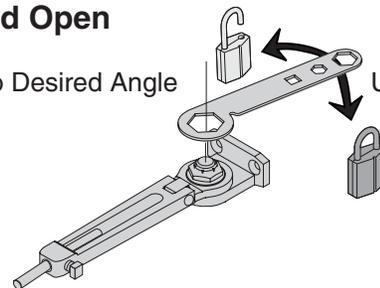


2=1602BC    3-6=1601  
 3=1603BC    1-4=1601BF  
 4=1604BC  
 5=1605BC  
 6=1606BC

### To Set Hold Open

Open Door to Desired Angle

Use 1" Wrench



3000 Highway 74 East • Monroe, NC 28112  
 Tel: (877)-974-2255 • Fax: (800)-338-0965  
[www.nortondoortcontrols.com](http://www.nortondoortcontrols.com)

ASSA ABLOY, the global leader in door opening solutions

80-9316-2504-020 (05-14)