# **Norton**<sup>®</sup>

#### **Installation Instructions**

# ASSA ABLOY

Regular Arm

Installation

See Page 2

Left Hand Door - LH

Right Hand Reverse - RHR



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.

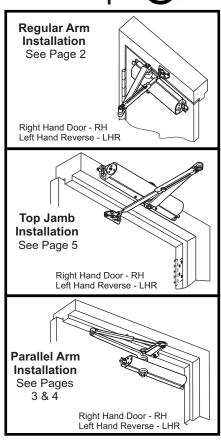
**NOTE:** For special applications a separate door and frame preparation template is packed with these instructions. Use this instruction sheet for installation sequence and closer adjustments only.

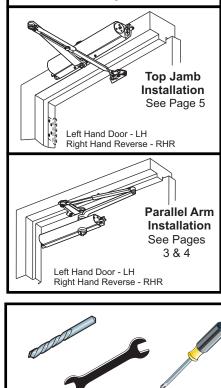
- Doors should be hung on ball bearing or anti-friction hinges.
- A separate door stop is recommended.
- Door and frame must be properly reinforced.
- Always adjust spring power before adjusting control.
- Adjust closing time speed between 3 and 7 seconds from 90° to 0°. Greater closing times may be required for elderly or handicapped.
- These door closers should NOT be installed on the exposed side (weather side) of exterior doors.

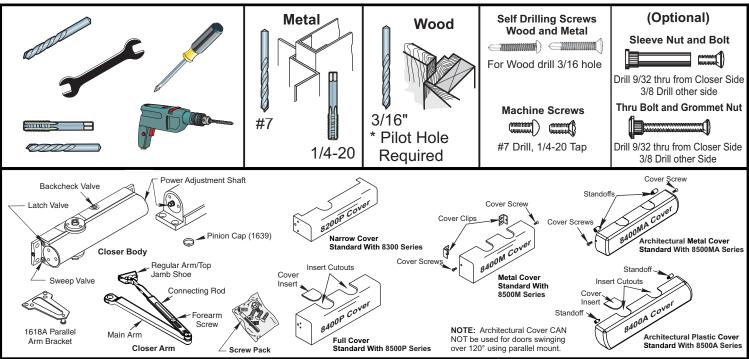
### 8000 Series Tri-Style

Non Handed Door Closer
Non Hold Open Models

Sized (Sizes 2,3,4,5,6) 8100 8300 8500 Adjustable (Sizes 1 thru 6) 8301 8501



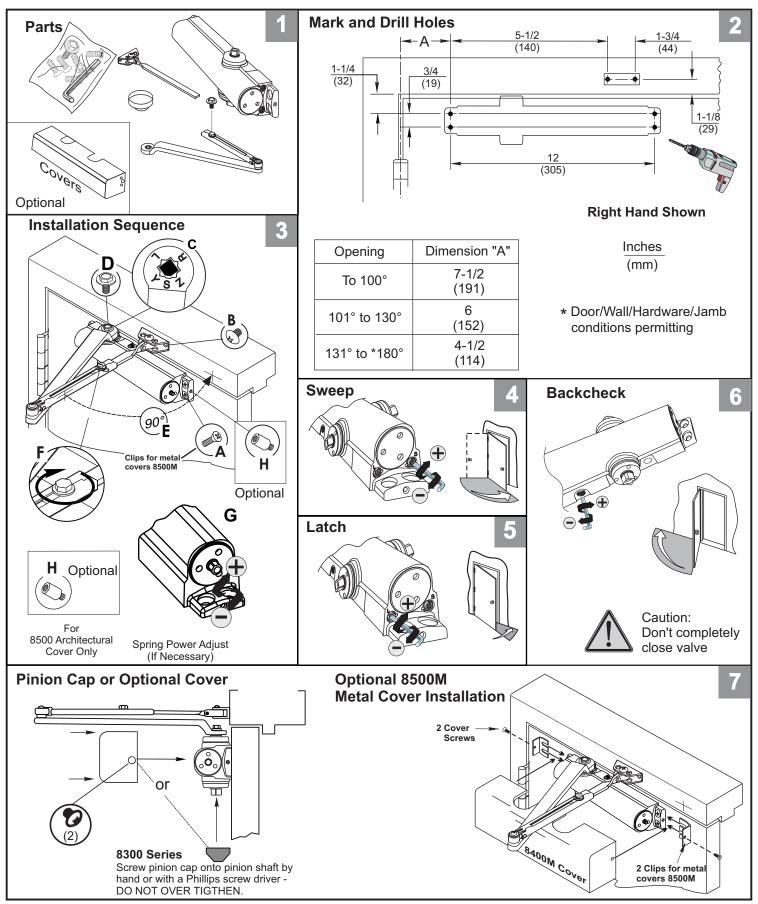




#### Non Hold Open Door Closers — Regular Arm



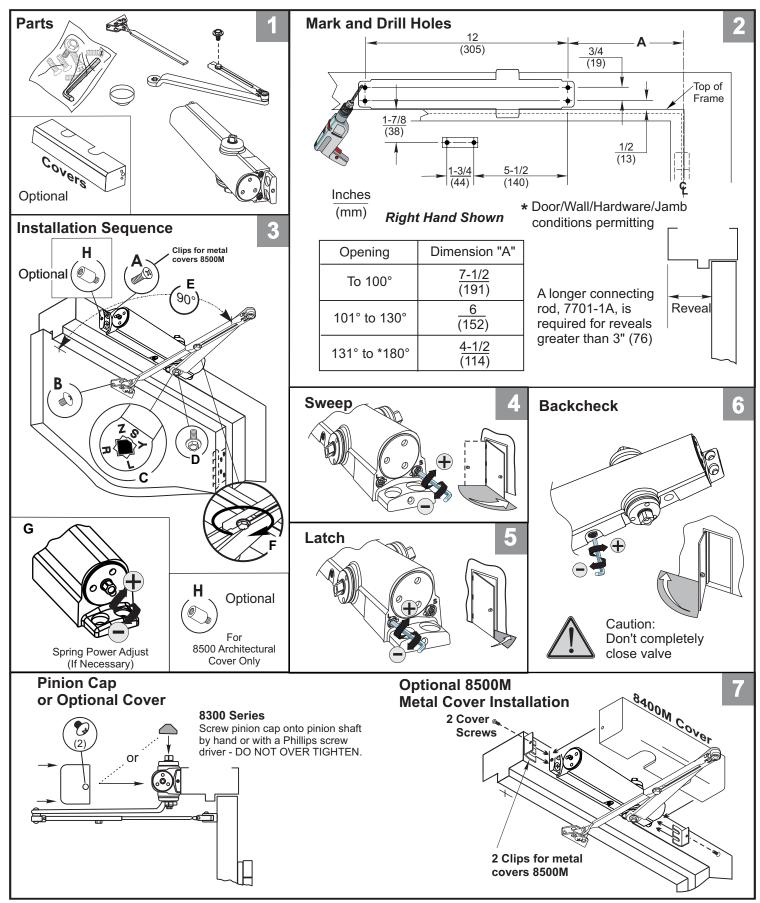
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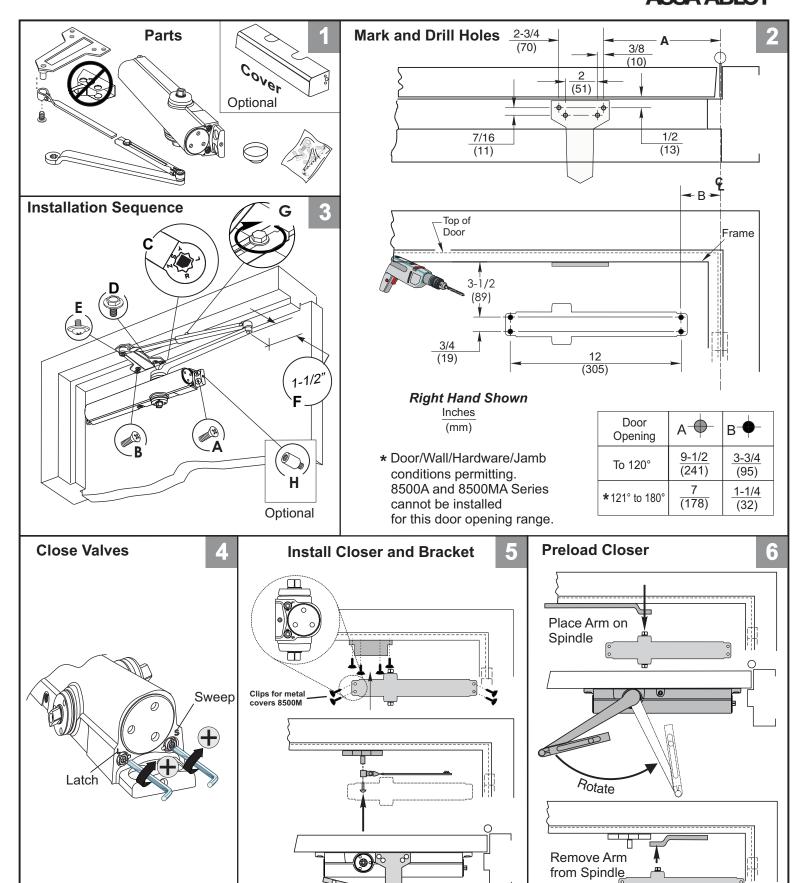
#### Non Hold Open Door Closers — Top Jamb Arm

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#### Non Hold Open Door Closers — Parallel Arm

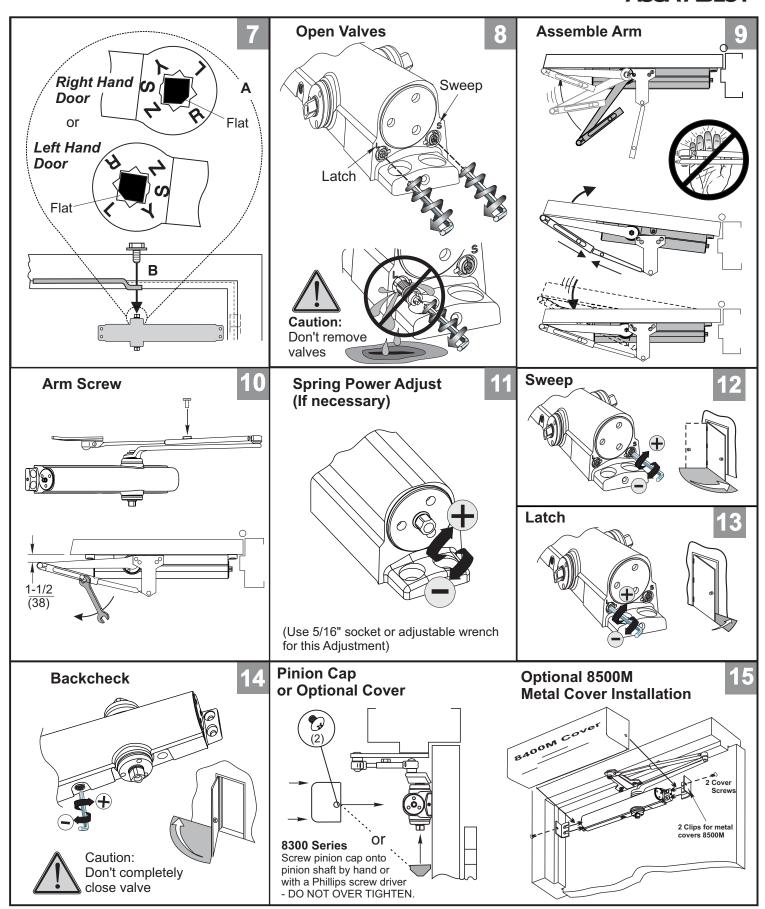




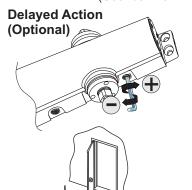
#### Non Hold Open Door Closers — Parallel Arm

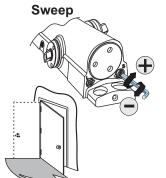


#### ASSA ABLOY

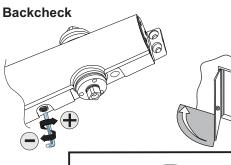


(Use 1/8" Hex Wrench for these Adjustments)

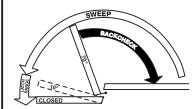




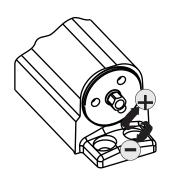




Adjust Closing Speed Time to between 3 to 7 seconds from 90°. Use of the door by handicapped, elderly or small children may require greater closing time.



## **Spring Power Adjust**



(Use 5/16" Socket or Adjustable Wrench for this Adjustment)

Adjustment Chart (8301 & 8501 Only)				Number of Turns Required				
		DOOR	TYPE OF INST.	*	MAXIMUM DOOR SIZE			
					32" (0.85M)	36" (0.90M)	42" (1.00M)	48" (1.20M)
8100/8300/8500	00	INTERIOR	Regular Arm Top Jamb	TURNS OF OWER NT WRENC	5	8	11	13
	30/85		Parallel Arm		7	10	13	16
	00/83	XTERIOR	Regular Arm Top Jamb		7	10	13	16
	8		Parallel Arm		9	12	15	18

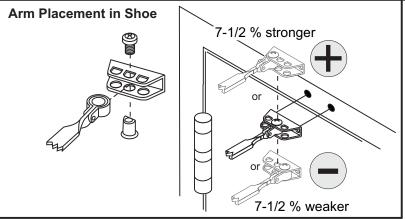
\*20 FULL (360°) TURNS MAXIMUM AVAILABLE Closer is shipped set at mid range setting = 10 turns



The closing force for series 8301 & 8501 door closers is adjustable from a size 1 to a size 6, as outlined in ANSI Standard A156.4. When these series of door closers are installed and adjusted to conform to ADA reduced opening force requirements (5 lbs max.) for interior doors, they may not have adequate closing force to reliably close and latch the door. Power adjustments charted on this page are recommended where possible, to ensure proper door control.



By law the Americans with Disabilities Act (ADA) may require that door closer installation comply with accessability guidelines.



## To identify your model:

Blank = 8301/8501

2 = 8302/8502

3 = 8303/85034 = 8304/8504

5 = 8305/8505

6 = 8306/8506

Closer Size

Mfg.

Date

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#### ASSA ABLOY

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