



3000 Series Tri-Style

Non Handed Door Closer



Installation Instructions

80-9303-2206-010 (04-09)

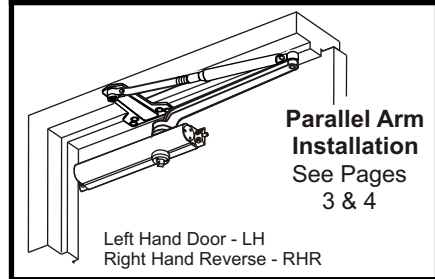
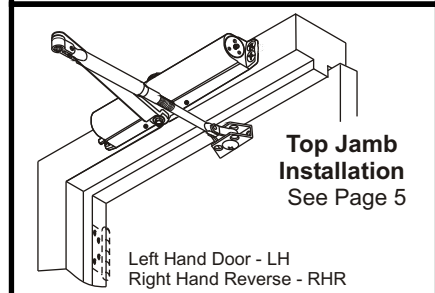
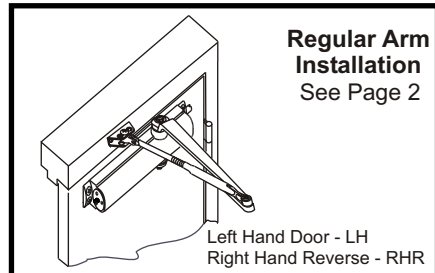


CAUTION An Incorrectly installed or improperly adjusted door closer can cause property damage or personal injury. These installation instructions should be followed to avoid the possibility of misapplication or misadjustment.

Non Hold Open Models

Sized
(Sizes 2,3,4,5,6)
3100
3300
3500

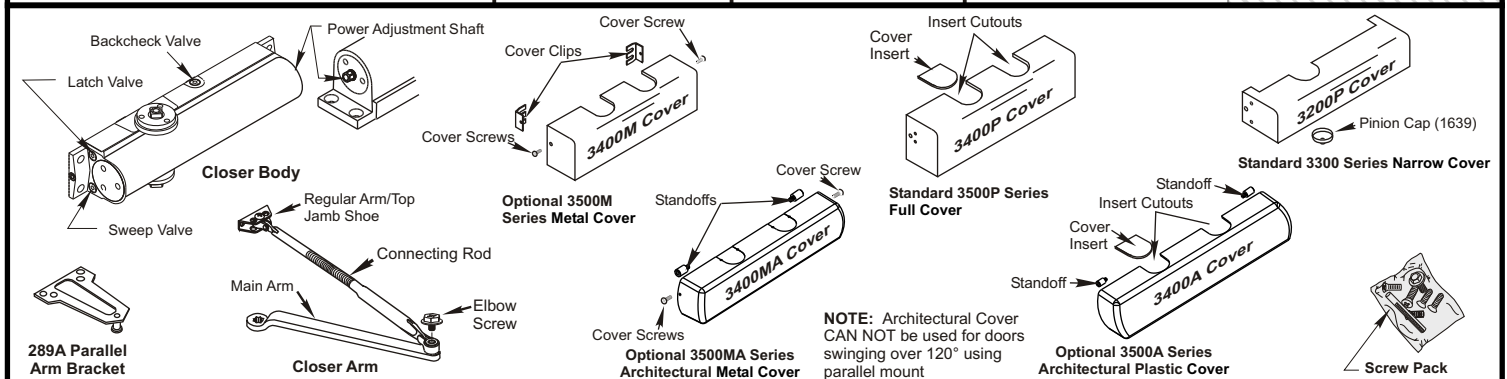
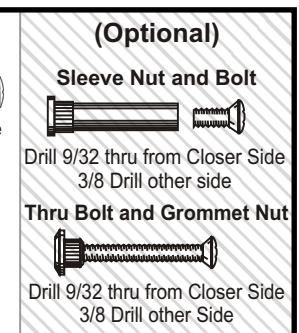
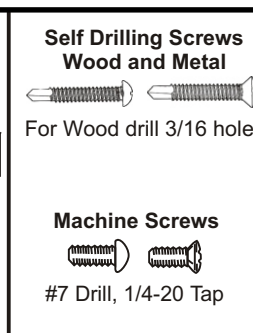
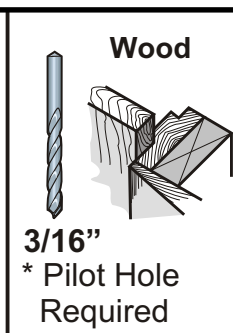
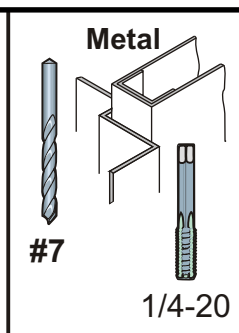
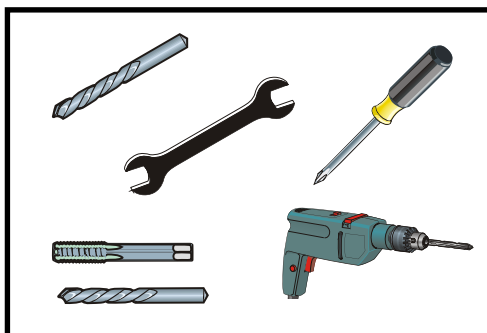
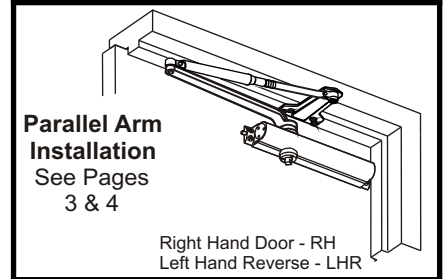
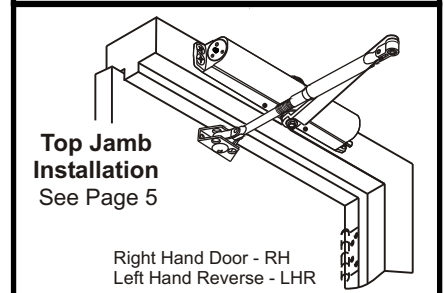
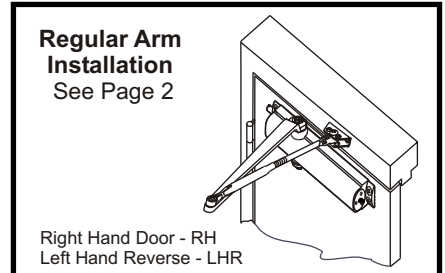
Adjustable
(Sizes 1 thru 6)
3301
3501



"DL" 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.

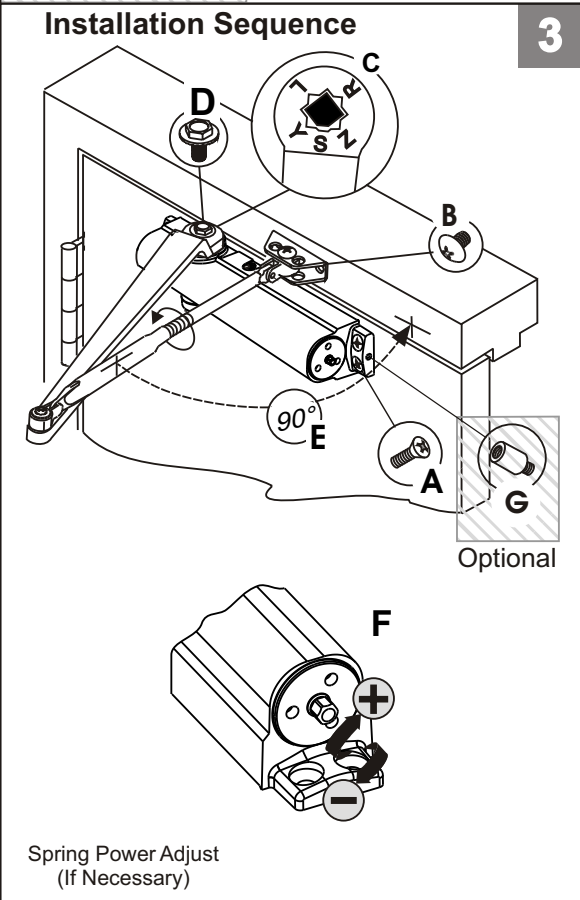
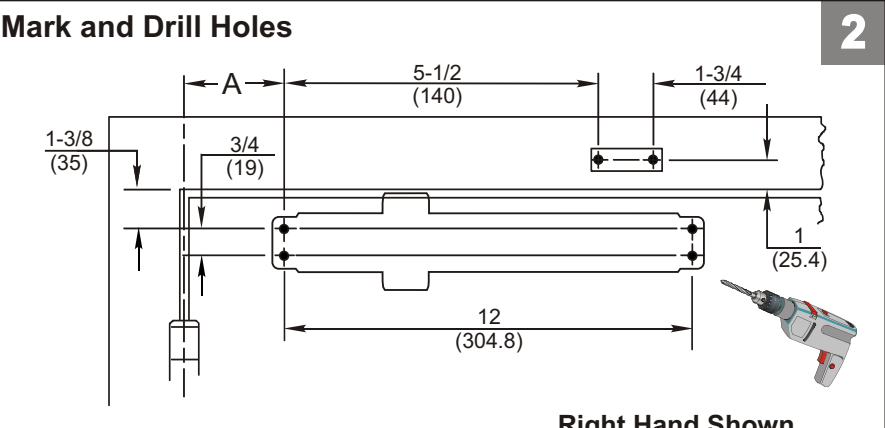
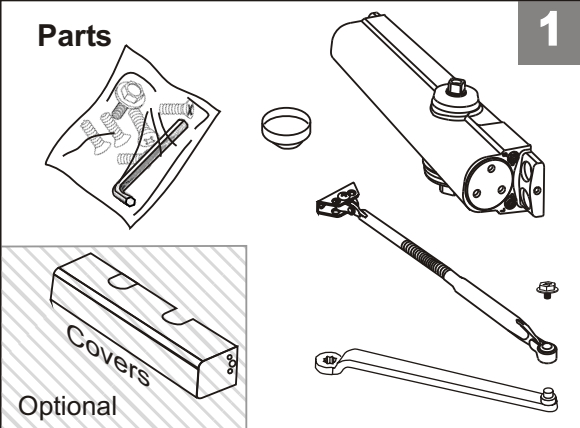
- Doors should be hung on ball bearing or anti-friction hinges.
- A separate door stop is recommended.
- Door and frame must be properly reinforced.
- Always adjust spring power before adjusting control.
- Adjust closing time speed between 3 and 7 seconds from 90° to 0°. Greater closing times may be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



3000 Series

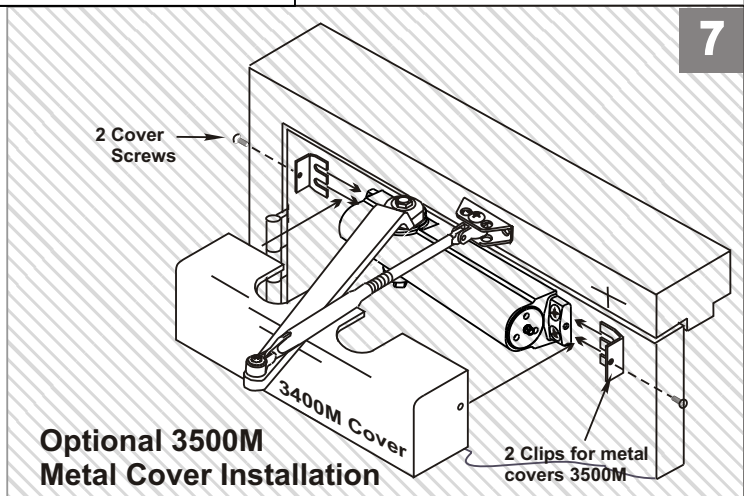
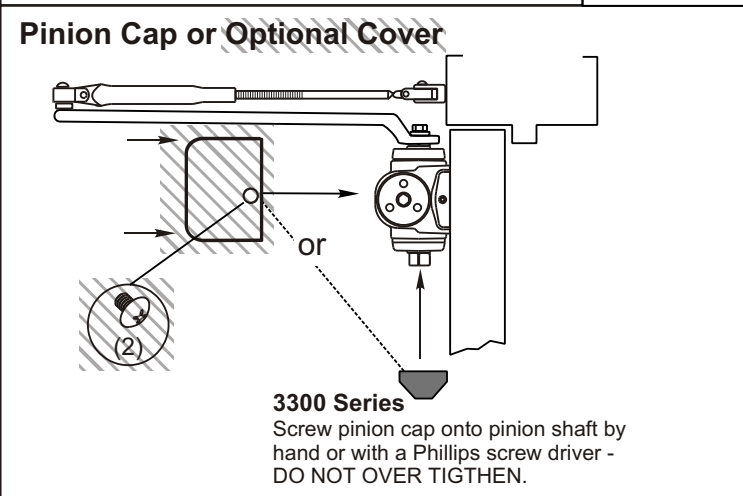
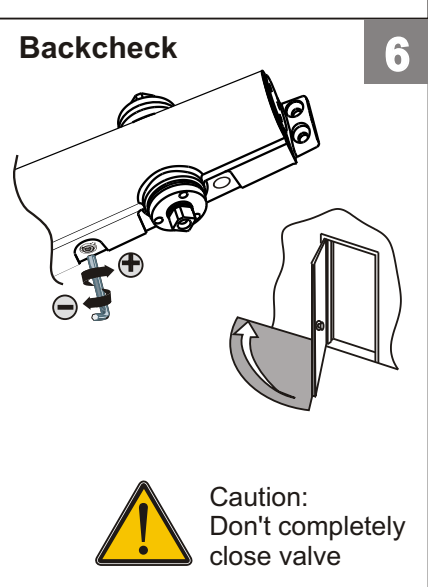
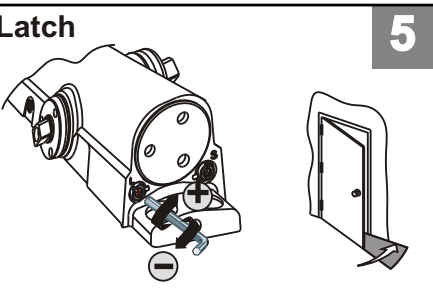
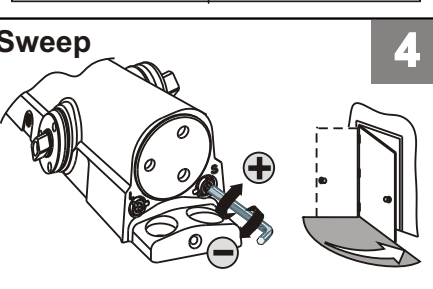
Non Hold Open Door Closers — Regular Arm

80-9303-2206-010 (04-09)



Opening	Dimension "A"	Inches (mm)
To 100°	7-1/2 (191)	
101° to 130°	6 (152)	
131° to *180°	4-1/2 (114)	

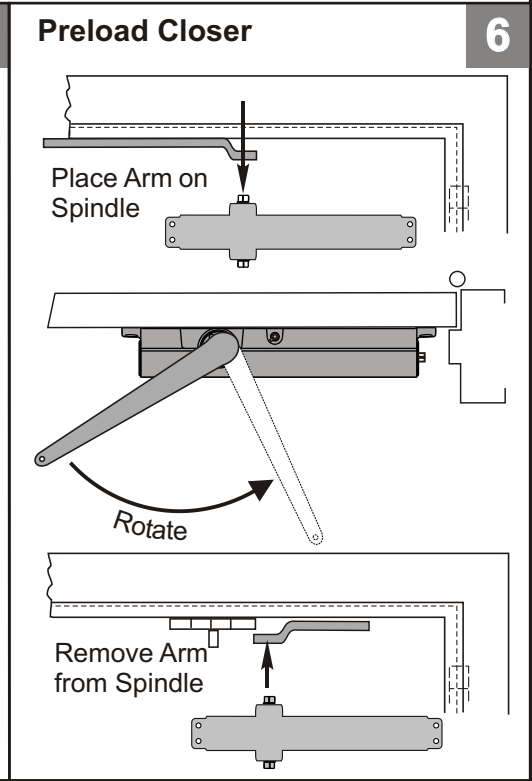
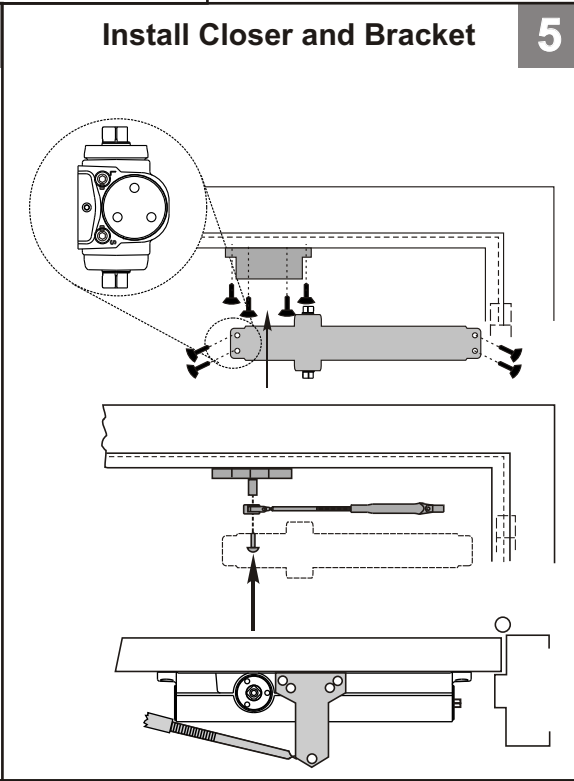
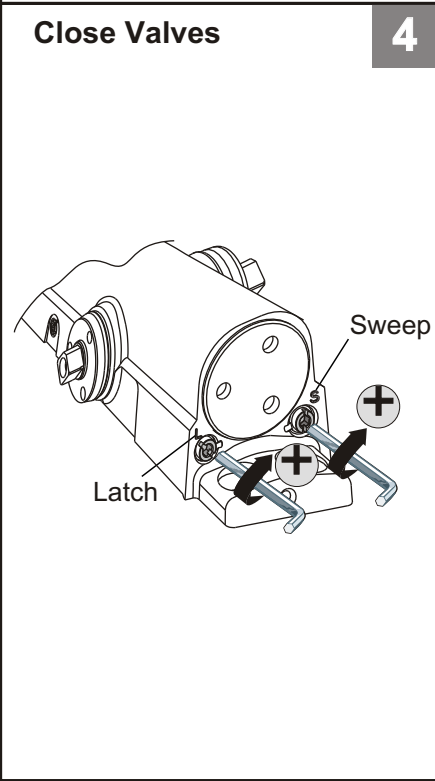
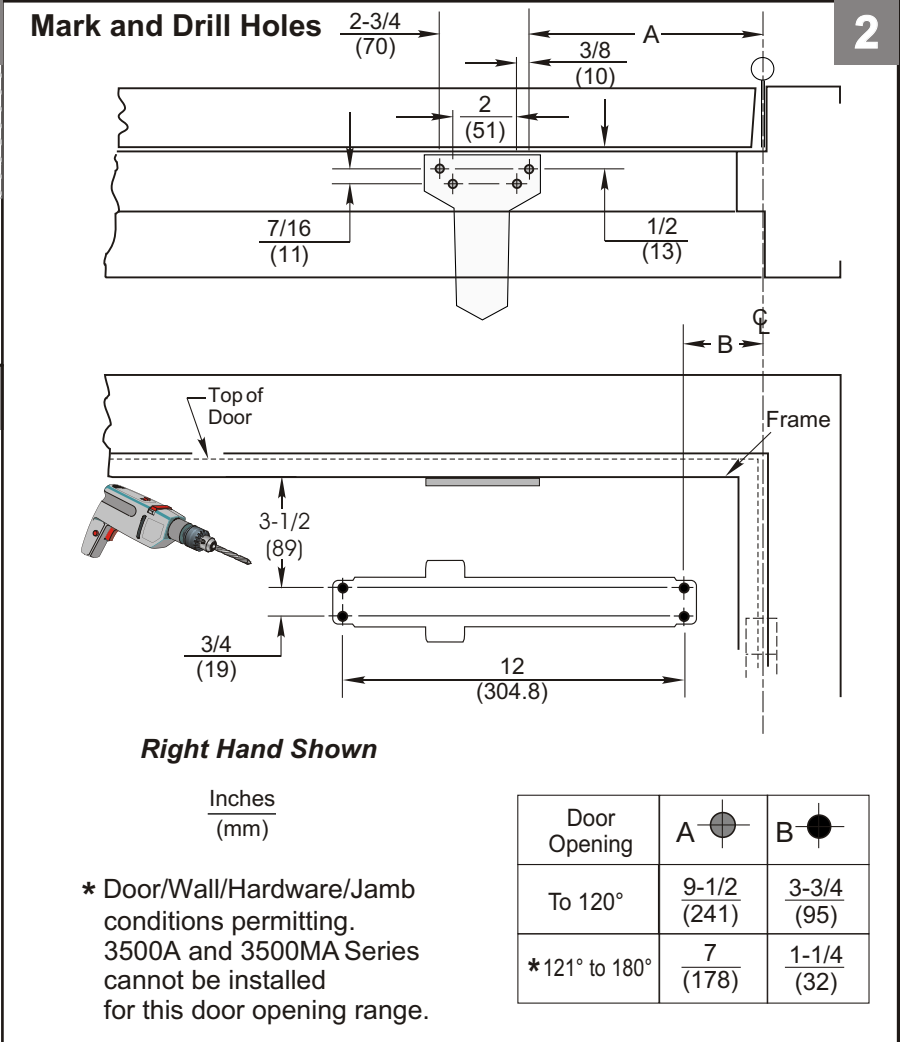
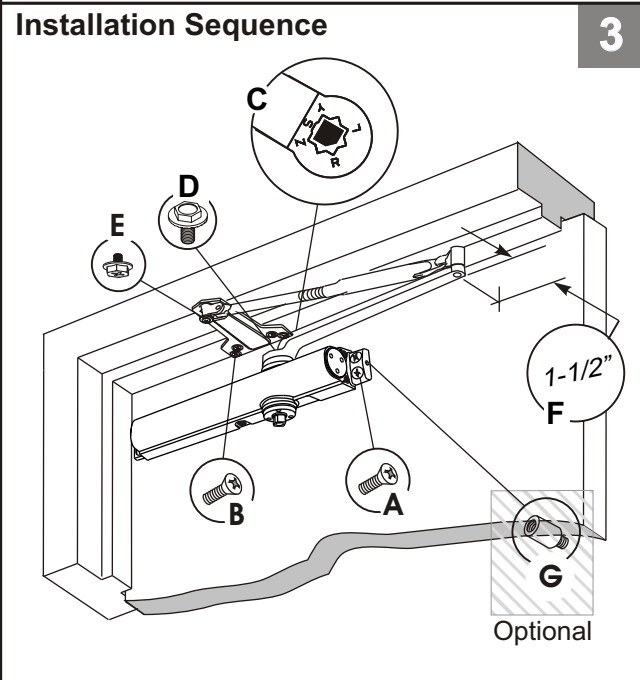
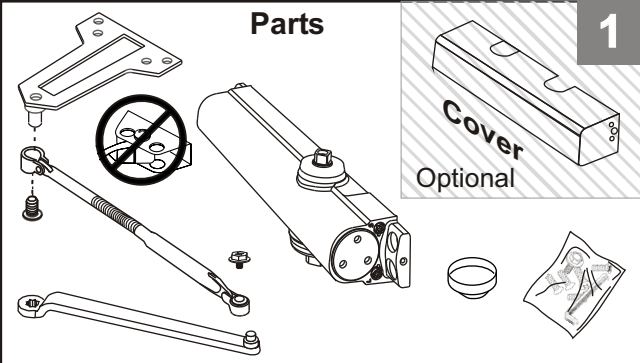
* Door/Wall/Hardware/Jamb conditions permitting



3000 Series

Non Hold Open Door Closers — Parallel Arm

80-9303-2206-010 (04-09)

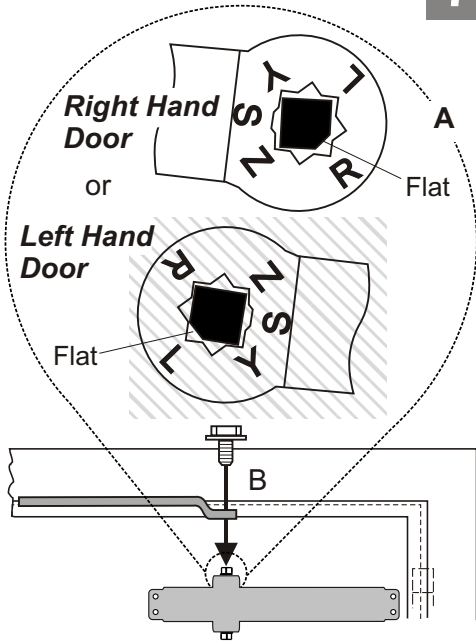


3000 Series

Non Hold Open Door Closers — Parallel Arm

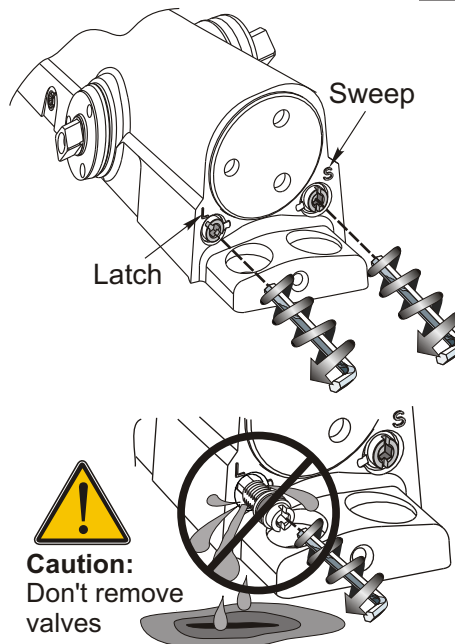
80-9303-2206-010 (04-09)

7



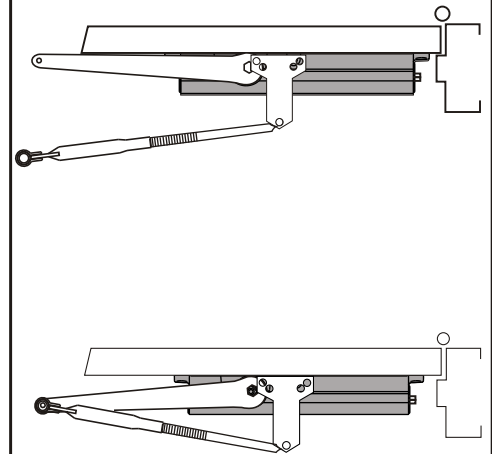
Open Valves

8



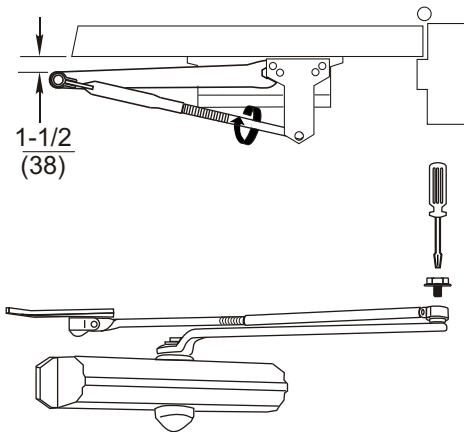
Assemble Arm

9



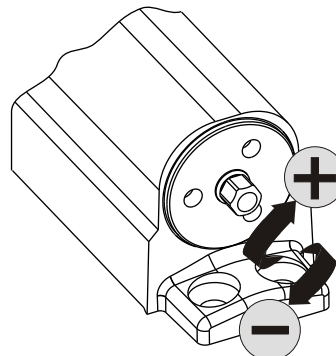
Arm Screw

10



Spring Power Adjust (If necessary)

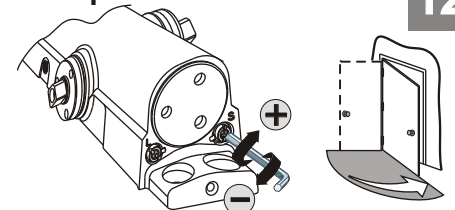
11



(Use 5/16" socket or adjustable wrench for this Adjustment)

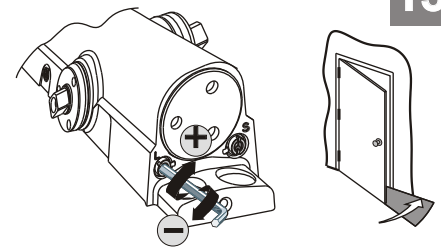
Sweep

12



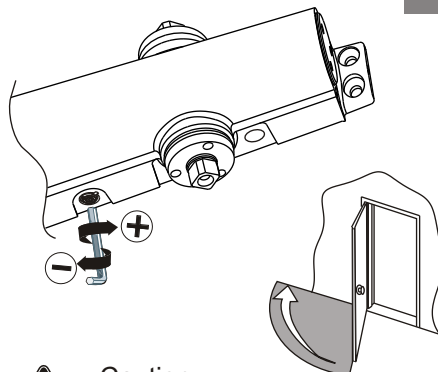
Latch

13



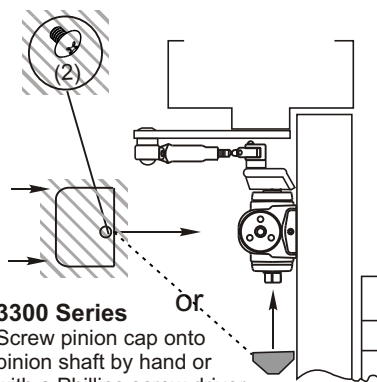
Backcheck

14



Caution:
Don't completely close valve

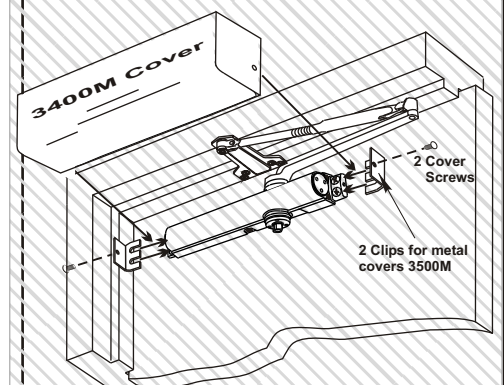
Pinion Cap or Optional Cover



3300 Series
Screw pinion cap onto pinion shaft by hand or with a Phillips screw driver - DO NOT OVER TIGHTEN.

Optional 3500M Metal Cover Installation

15

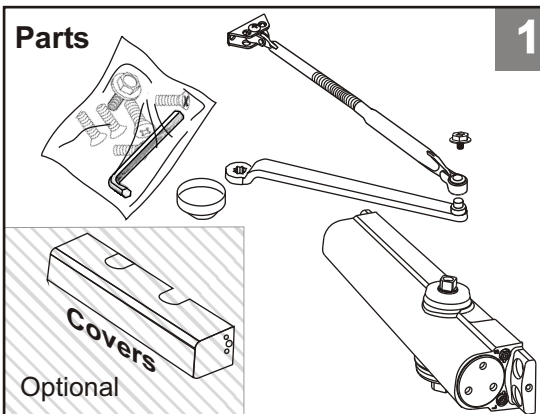


3000 Series

Non Hold Open Door Closers — Top Jamb Arm

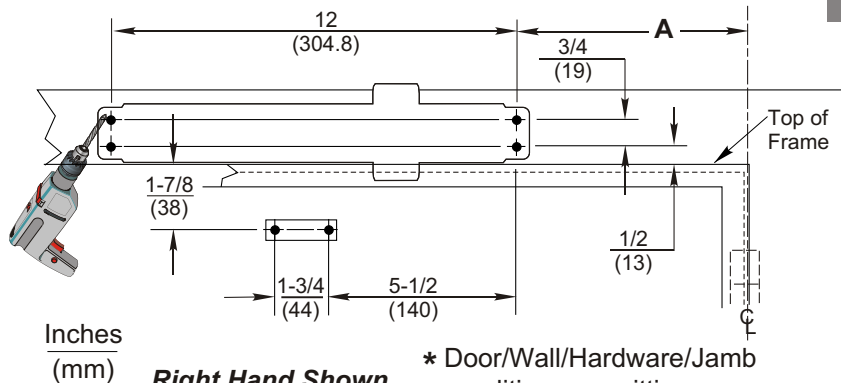
80-9303-2206-010 (04-09)

Parts



1

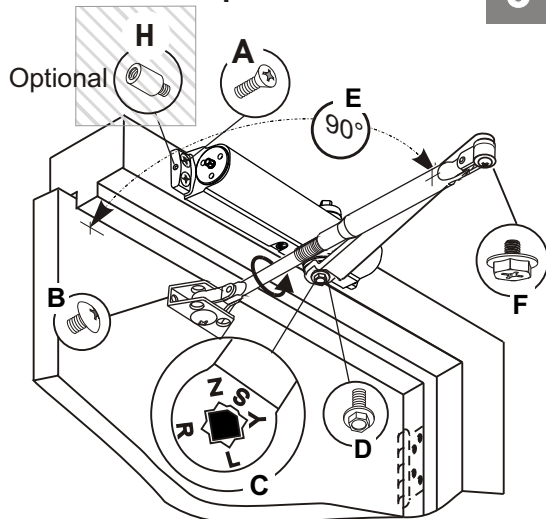
Mark and Drill Holes



2

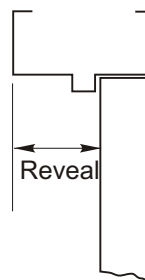
Installation Sequence

3



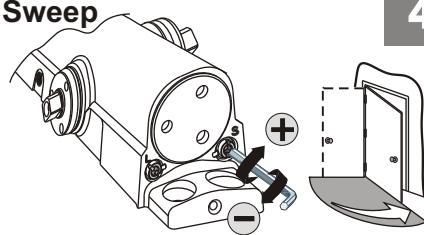
Opening	Dimension "A"
To 100°	7-1/2 (191)
101° to 130°	6 (152)
131° to *180°	4-1/2 (114)

A longer connecting rod, 400-11A, is required for reveals greater than 3" (76)



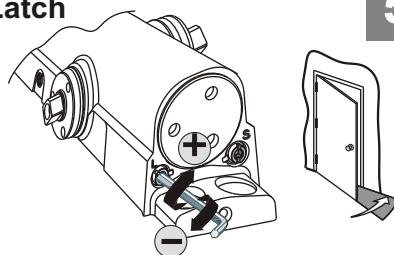
Sweep

4



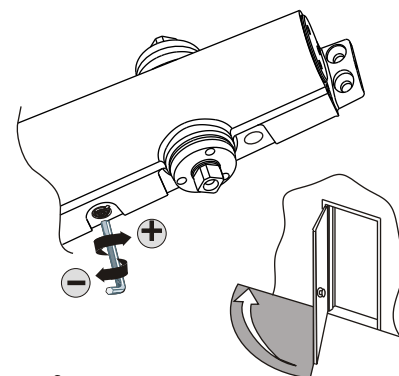
Latch

5



Backcheck

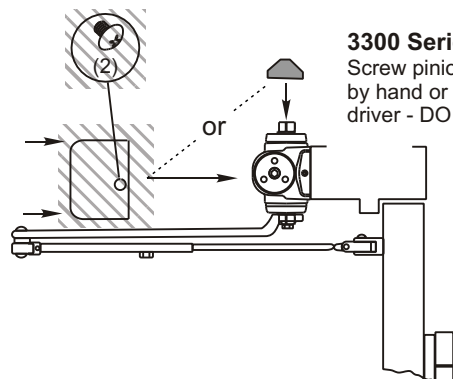
6



Caution: Don't completely close valve

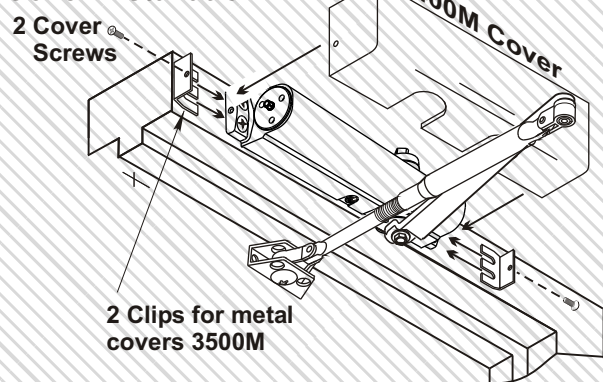
Spring Power Adjust (If Necessary)

Pinion Cap or Optional Cover



Optional 3500M Metal Cover Installation

7



3000 Series

80-9303-2206-010 (04-09)

Yale

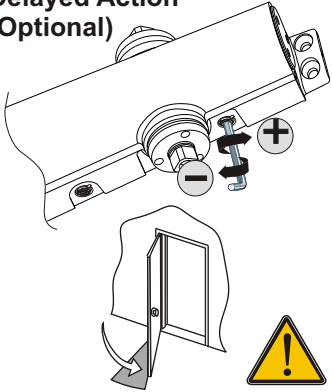
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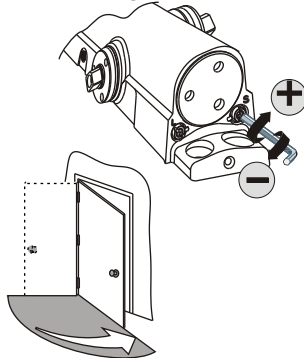
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(Use 1/8" Hex Wrench for these Adjustments)

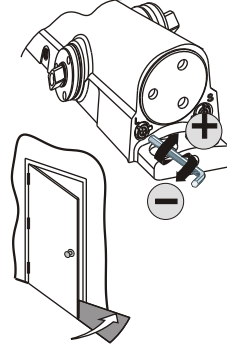
Delayed Action (Optional)



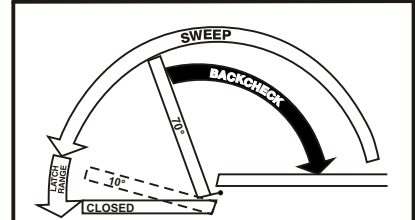
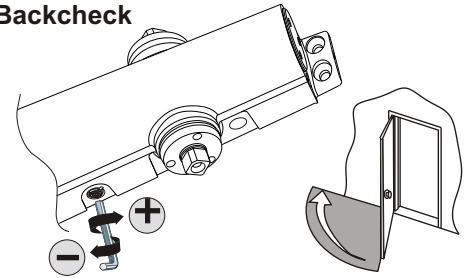
Sweep



Latch

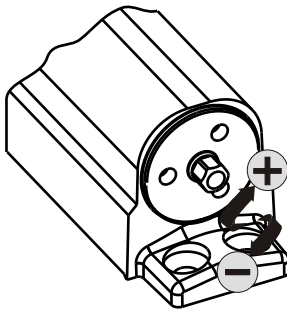


Backcheck



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 (3301 & 3501 Only)

Number of Turns Required
MAXIMUM DOOR SIZE

	DOOR	TYPE OF INST.	*	32" (0.85M)	36" (0.90M)	42" (1.00M)	48" (1.20M)
3100/3300/3500	INTERIOR	Regular Arm Top Jamb	FULL 360° TURNS OF 5/16" POWER ADJUSTMENT WRENCH	5	8	11	13
		Parallel Arm		7	10	13	16
	EXTERIOR	Regular Arm Top Jamb		7	10	13	16
		Parallel Arm		9	12	15	18

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



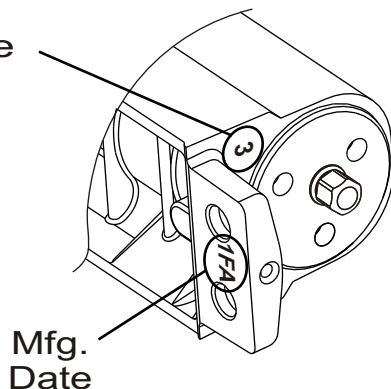
The closing force for series 3301 & 3501 door closers is adjustable from a size 1 to a size 6, as outlined in ANSI Standard A156.4. When these series of door closers are installed and adjusted to conform to ADA reduced opening force requirements (5 lbs max.) for interior doors, they may not have adequate 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 accessibility guidelines.

To identify your model:

Closer Size
Blank = 3301/3501
2 = 3302/3502
3 = 3303/3503
4 = 3304/3504
5 = 3305/3505
6 = 3306/3506



Arm Placement in Shoe

