



Installation Instructions

80-9303-2206-010 Rev 2 (09-17)

Non Hold Open Models

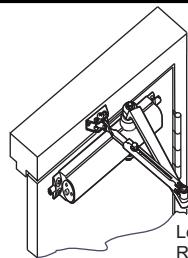
Sized (Sizes 2,3,4,5,6)	Adjustable (Sizes 1 thru 6)
3100	3301
3300	3501
3500	



3000 Series Tri-Style Non Handed Door Closer

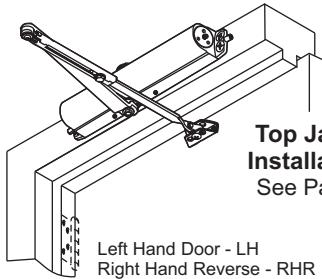


CAUTION An Incorrectly installed or improperly adjusted door closer can cause property damage or personal injury. These installation instructions should be followed to avoid the possibility of misapplication or misadjustment.



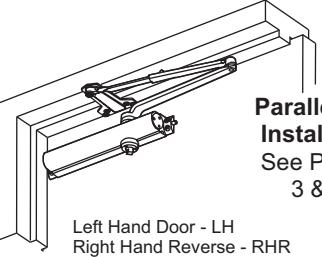
Regular Arm Installation
See Page 2

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

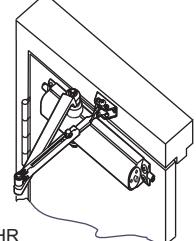
Left Hand Door - LH
Right Hand Reverse - RHR

"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.

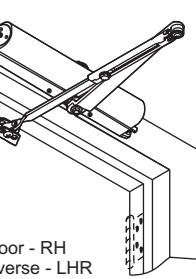
- Doors should be hung on ball bearing or anti-friction hinges.
- A separate door stop is recommended.
- Door and frame must be properly reinforced.
- Always adjust spring power before adjusting control.
- Adjust closing time speed between 3 and 7 seconds from 90° to 0°. Greater closing times may be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

Regular Arm Installation
See Page 2



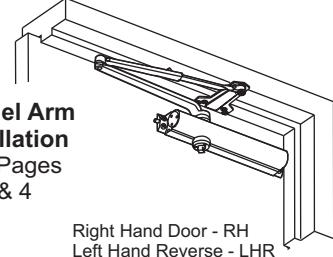
Right Hand Door - RH
Left Hand Reverse - LHR

Top Jamb Installation
See Page 5

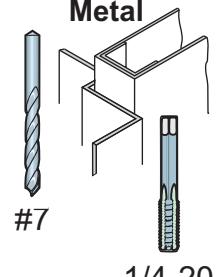
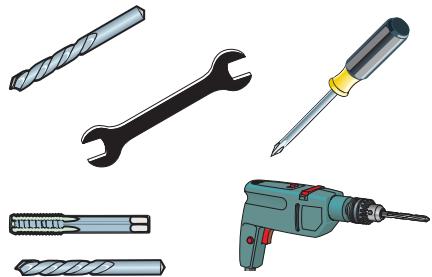


Right Hand Door - RH
Left Hand Reverse - LHR

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

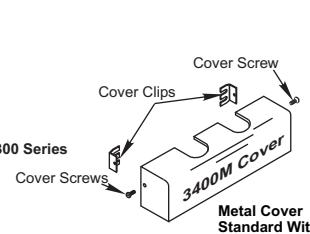
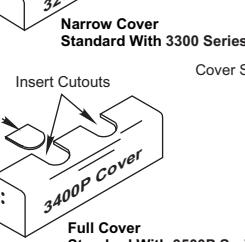
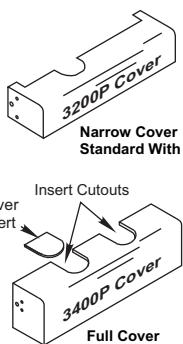
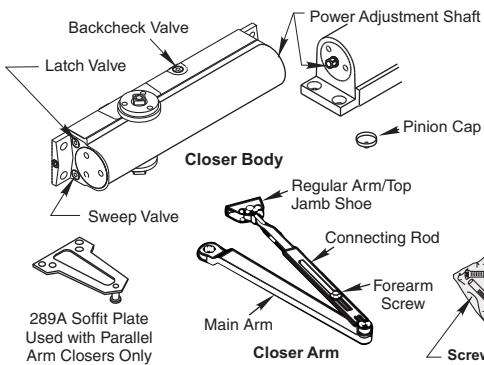
(Optional)



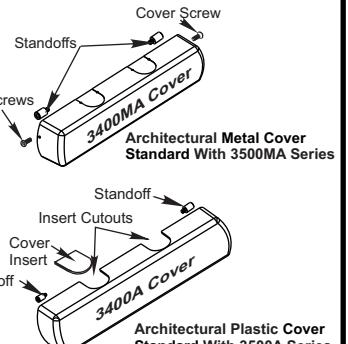
Drill 9/32 thru from Closer Side
3/8 Drill other side



Drill 9/32 thru from Closer Side
3/8 Drill other Side



NOTE: Architectural Cover CAN
NOT be used for doors swinging
over 120° using parallel mount.

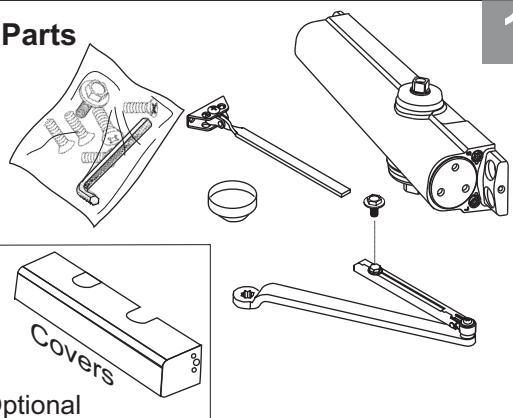


3000 Series

Non Hold Open Door Closers — Regular Arm

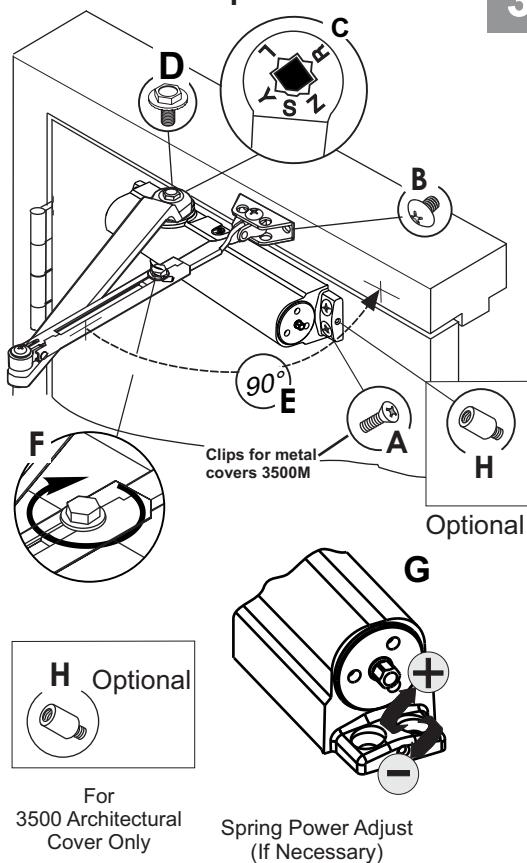
80-9303-2206-010 Rev 2 (09-17)

Parts



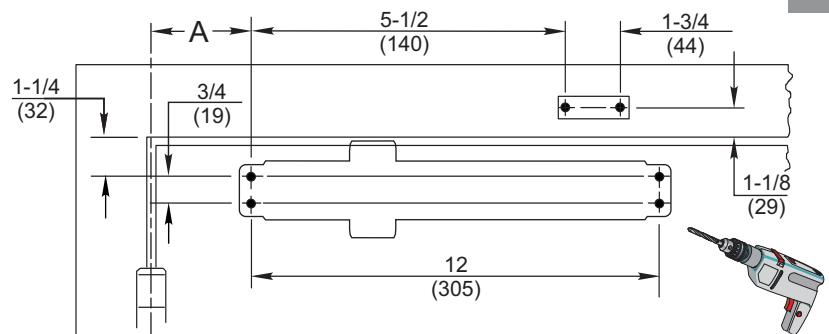
Optional

Installation Sequence



1

Mark and Drill Holes



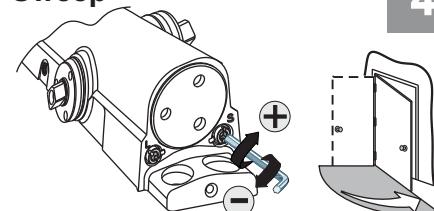
2

Right Hand Shown

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

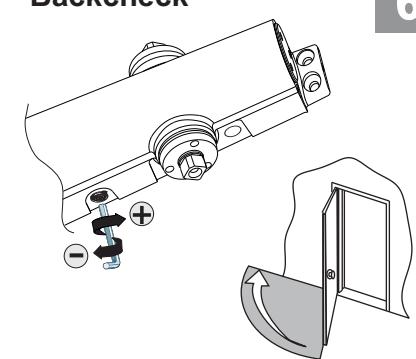
* Door/Wall/Hardware/Jamb conditions permitting

Sweep



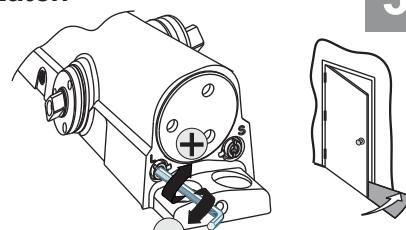
4

Backcheck



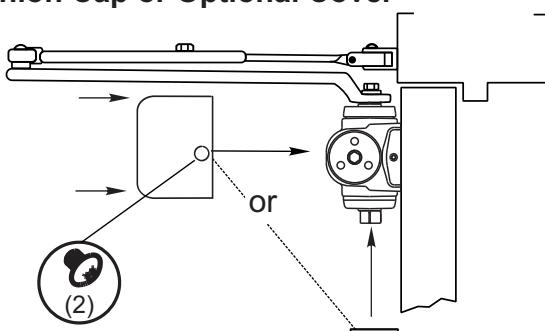
5

Latch



Caution:
Don't completely close valve

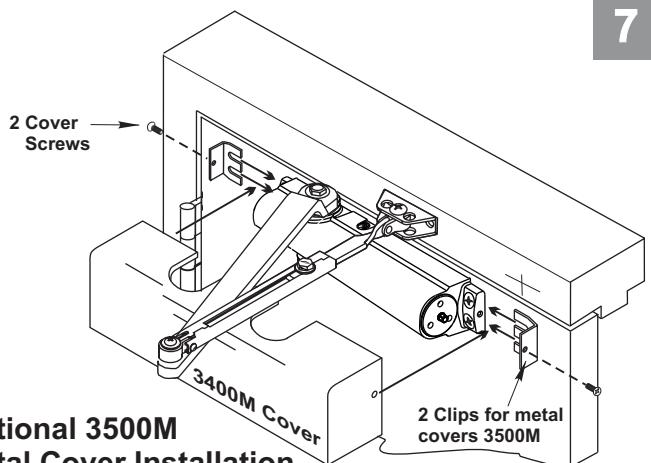
Pinion Cap or Optional Cover



3300 Series

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

7

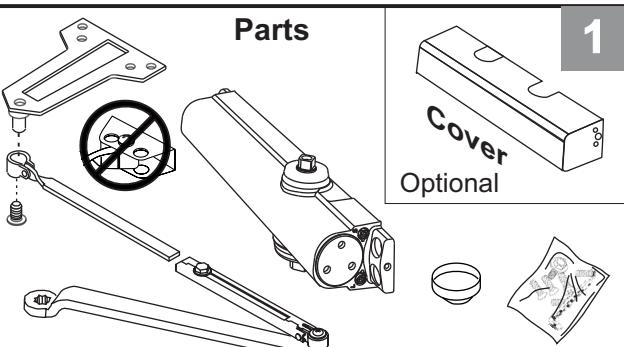


Optional 3500M
Metal Cover Installation

3000 Series

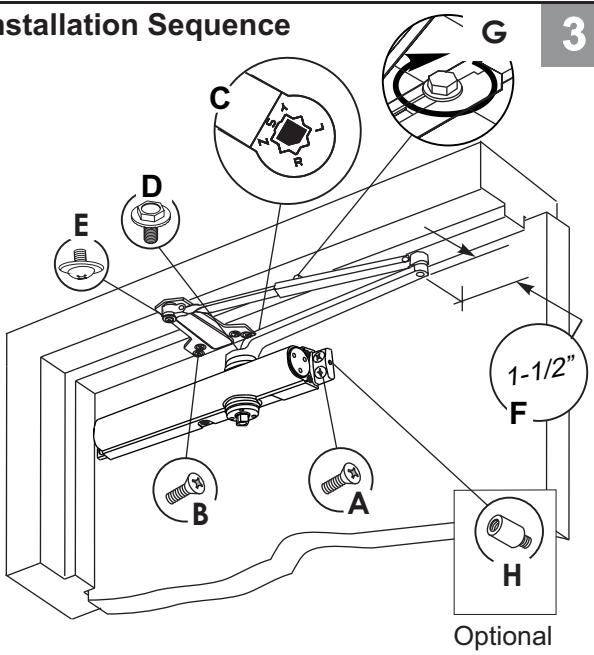
Non Hold Open Door Closers — Parallel Arm

80-9303-2206-010 Rev 2 (09-17)



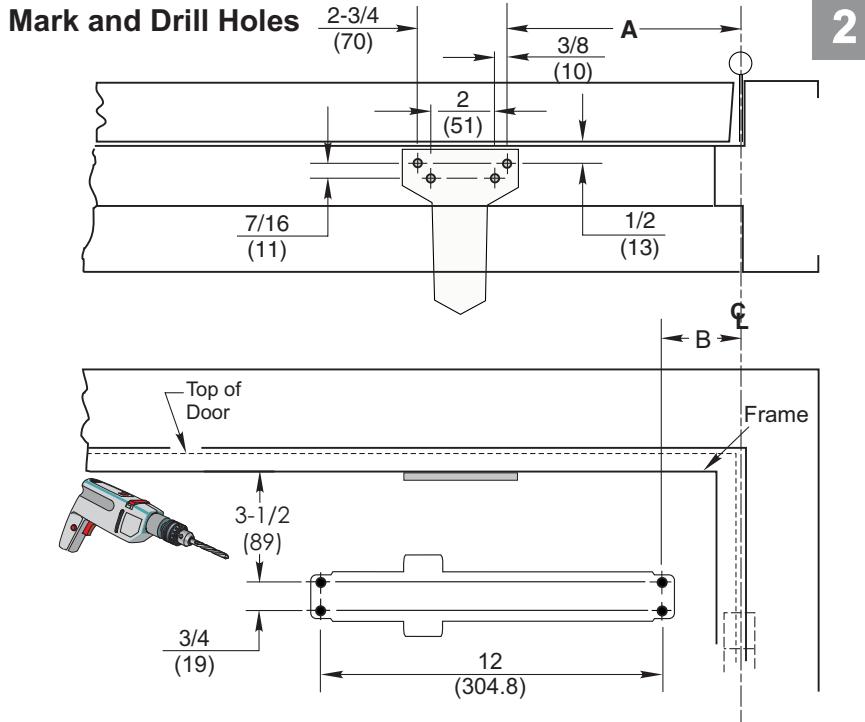
1

Installation Sequence



3

Mark and Drill Holes



2

Right Hand Shown

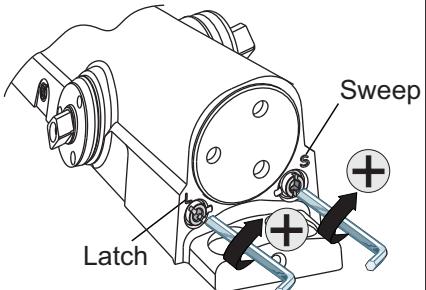
Inches
(mm)

* Door/Wall/Hardware/Jamb conditions permitting.
3500A and 3500MA Series cannot be installed for this door opening range.

Door Opening	A	B
To 120°	9-1/2 (241)	3-3/4 (95)
*121° to 180°	7 (178)	1-1/4 (32)

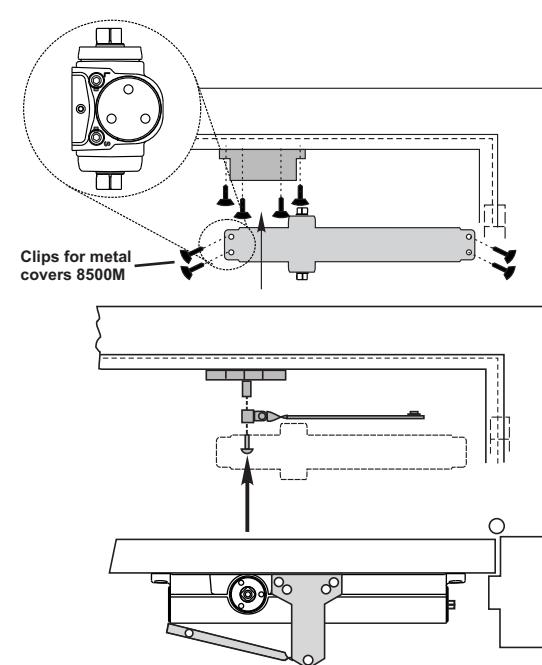
Close Valves

4



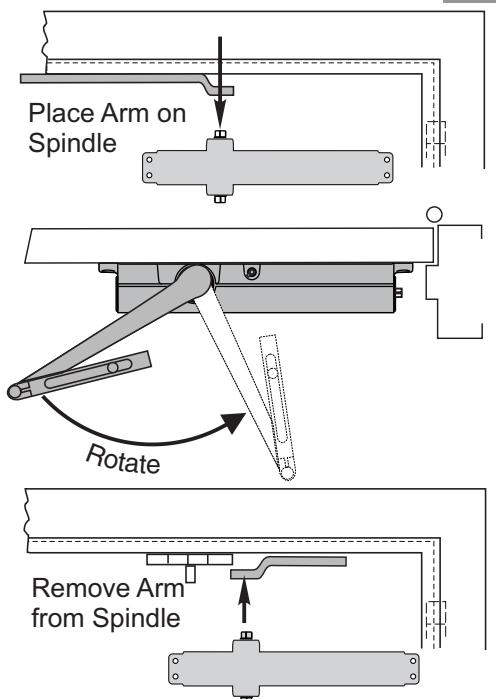
Install Closer and Bracket

5



Preload Closer

6

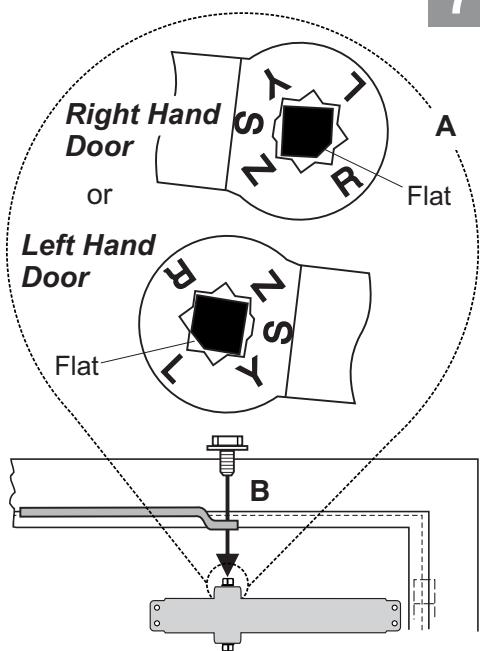


3000 Series

Non Hold Open Door Closers — Parallel Arm

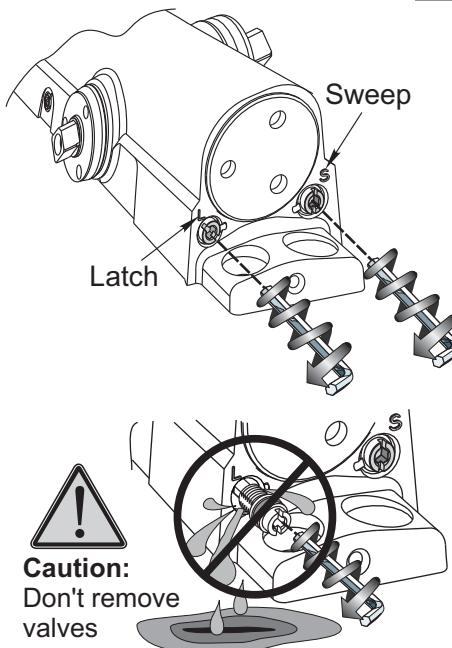
8-9303-2206-010 Rev 2 (09-17)

7



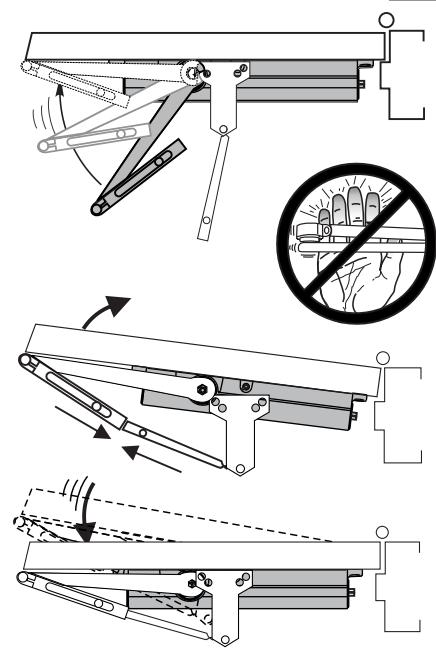
Open Valves

8



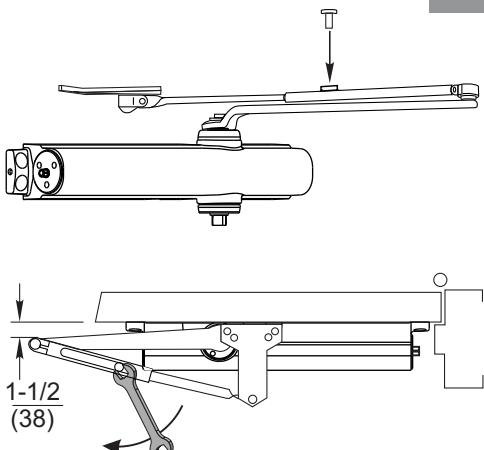
Assemble Arm

9



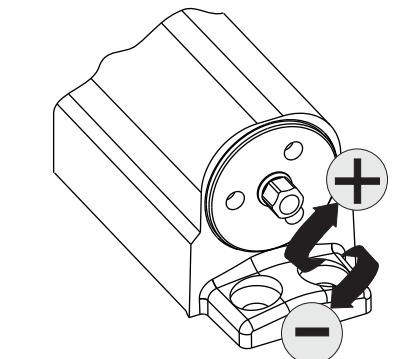
Arm Screw

10



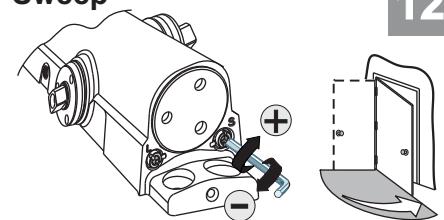
Spring Power Adjust (If necessary)

11



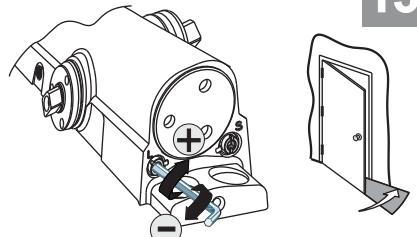
Sweep

12



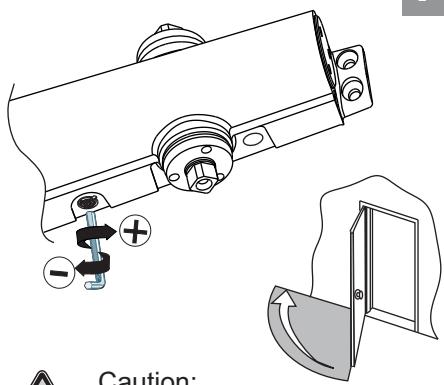
Latch

13

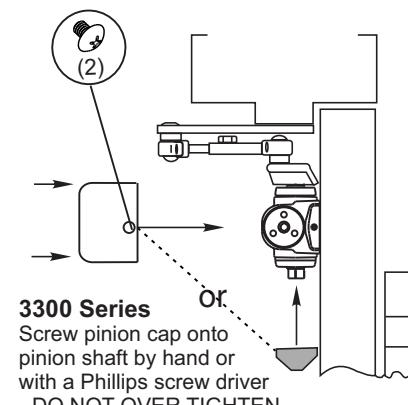


Backcheck

14

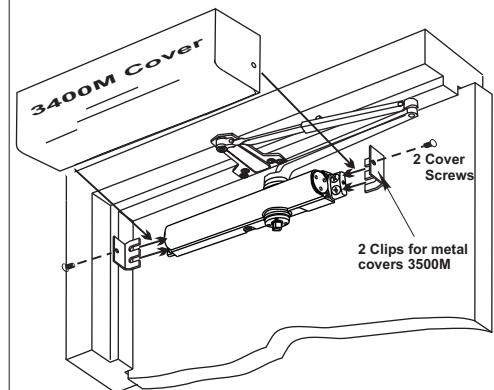


Pinion Cap or Optional Cover



Optional 3500M Metal Cover Installation

15



Caution:
Don't completely
close valve

3000 Series

Non Hold Open Door Closers — Top Jamb Arm

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1 Parts

Optional
Covers

2 Mark and Drill Holes

12 (304.8)
3/4 (19)
Top of Frame
1-7/8 (44)
1-3/4 (44)
5-1/2 (140)
Inches (mm)
Right Hand Shown
* Door/Wall/Hardware/Jamb conditions permitting

3 Installation Sequence

Optional
Optional (H)
Clips for metal covers 3500M
A
E 90°
B
C
D
G
Spring Power Adjust (If Necessary)
H Optional For 3500 Architectural Cover Only

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)
Reveal

4 Sweep

5 Latch

6 Backcheck

Caution: Don't completely close valve

7 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

3400M Cover
2 Cover Screws
2 Clips for metal covers 3500M

3000 Series

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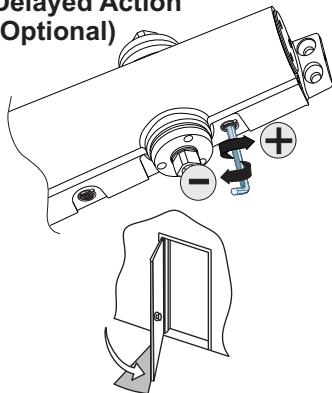
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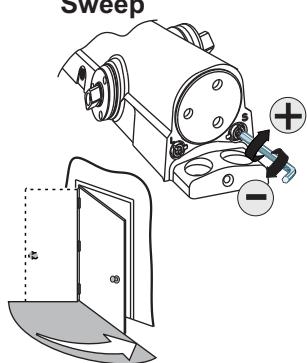
3000 Highway 74 East • Monroe, NC 28112
Tel: (800)-438-1951 • Fax: (800)-338-0965
www.yalecommercial.com

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

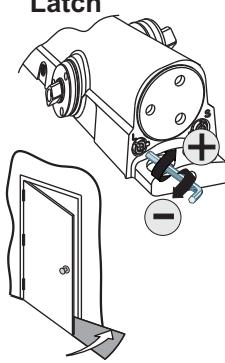
Delayed Action (Optional)



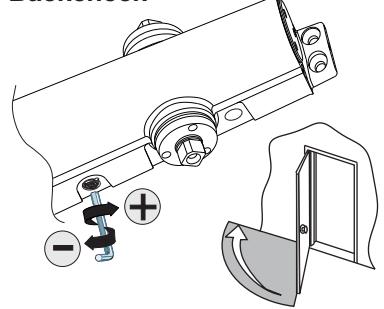
Sweep



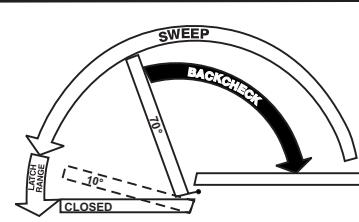
Latch



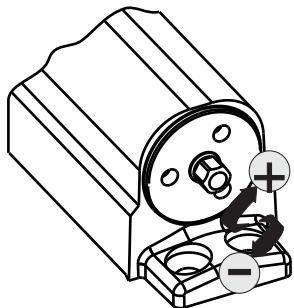
Backcheck



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)

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



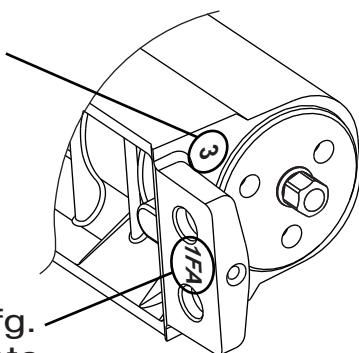
By law the Americans with Disabilities Act (ADA) may require that door closer installation comply with accessibility guidelines.

To identify your model:

Closer Size

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

Mfg. Date



Arm Placement in Shoe

