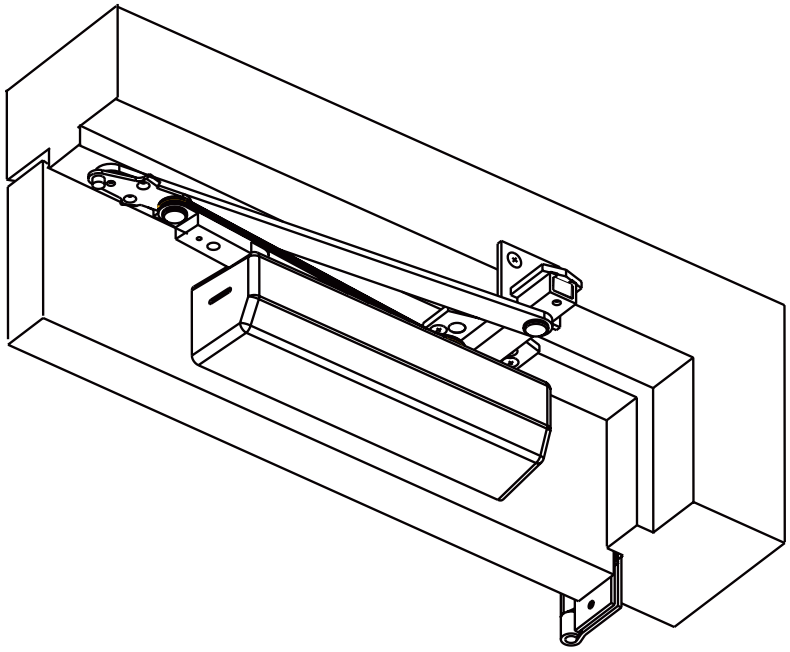
Installation Instructions

Corbin Russwin

ASSA ABLOY

DC3210 Series

A11 or A12 Heavy Duty Spring Stop Parallel Arm



Important

- An improperly installed or incorrectly adjusted door closer may cause property damage or personal injury; and will void product warranty.
- To avoid personal injury, DO NOT DISASSEMBLE THIS DOOR CLOSER BODY.
- Door closers must be securely fastened to a properly reinforced door and frame with fasteners provided.
- Door closers with a HOLD OPEN ARM are not permitted to be installed in fire door assemblies.
- Door and frame must be specifically templated for 85°, 90°, 95°, 100°, 105° orb 110° door swing.

For installation assistance contact Corbin Russwin
1-800-543-3658 • techsupport.corbinrusswin@assaabloy.com

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DC3210 Series Closer

A11 or A12 Heavy Duty Spring Stop Parallel Arm

Installation Instructions

Corbin Russwin

ASSA ABLOY

1 Introduction

TO DETERMINE HAND OF YOUR DOOR:

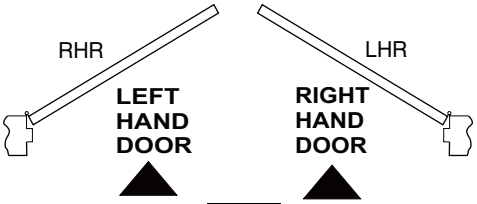
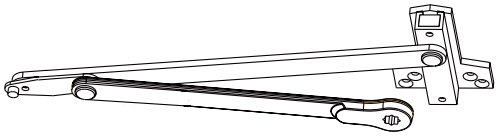
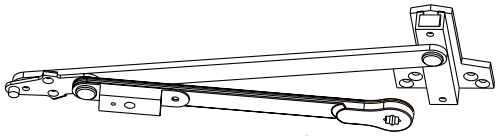


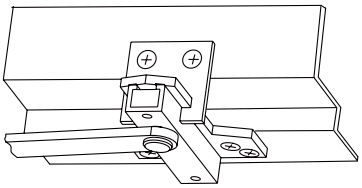
Figure 1



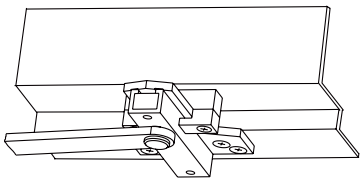
A11 - Non-Hold Open Arm



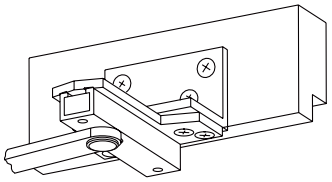
A12 - Hold Open Arm



STANDARD APPLICATION WITH 615F58 BRACKET



DEEP REVEAL APPLICATION WITH M103 OPTION(615F59 CLAMP KIT)



FLUSH PARTITION APPLICATION WITH M104 OPTION (615F60 BRACKET)

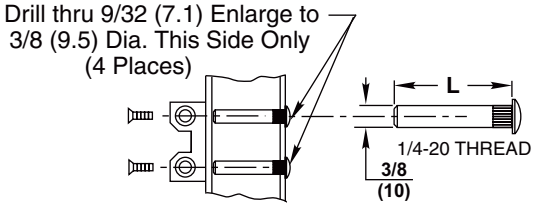
MOUNTING SCREW SPECIFICATIONS

ARM AND CLOSER BRACKET

1/4-20 oval head machine screw or 1/4-14 self-drilling screw Type BSD. 3/16 (4.8) diameter pilot hole required for Wood Applications.

or

Option M54: Sex nuts, furnished when ordered



DOOR THICKNESS	SEX NUT LENGTH "L"
1-3/8" (35mm)	1-9/32" (33mm)
1-3/4" (44mm) & OVER	1-21/32" (42mm)

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DC3210 Series Closer

A11 or A12 Heavy Duty Spring Stop Parallel Arm

Installation Instructions

Corbin Russwin

ASSA ABLOY

1 Introduction

Size of Door & Door Closer					
Type of Installation	**Interior**	**Exterior In-swinging**	**Exterior Out-swinging**	**Recommended Closer Size**	****Max. Opening Force lbs/f**
Parallel Arm	2' 4"	-	-	1	8
	2' 6"	-	-	2	14
	3' 0"	-	2' 6"	3	16
	3' 6"	-	3' 0"	4	22
	4' 0"	-	3' 6"	5	24
	4' 6"	-	4' 0"	6	26

****NOTE: These forces are for standard templating with bearing type hinges and do not account for pressure differentials and draft.**

SEE CHART TO SELECT DEGREE OF DOOR OPENING AND DOOR WIDTH FOR YOUR DOOR. THEN, DETERMINE FRAME CONDITION: STANDARD & DEEP REVEAL (use Dim's. A & B) or FLUSH PARTITION (use Dim's A & C)

***Dimension "C"** is only used for Flush Partition application (Frame Template 1C)										
Opening		**Doors 28" to 32"** 615F52 NHO Arm (A11) 615F51 HO Arm (A12)			**Doors 33" to 41"** 615F54 NHO Arm (A11) 615F53 HO Arm (A12)			**Doors 42" to 48"** 615F56 NHO Arm (A11) 615F55 HO Arm (A12)		
HOLD OPEN	DEAD STOP	**DIM. A**	**DIM. B**	***DIM. C**	**DIM. A**	**DIM. B**	***DIM. C**	**DIM. A**	**DIM. A**	***DIM. C**
85°	90°	11 (279)	10 (254)	10-1/8 (257)	13-1/8 (333)	12-1/4 (311)	12-3/8 (314)	15-1/8 (384)	14-3/8 (365)	14-1/2 (368)
90°	95°	10-1/2 (267)	9-1/2 (241)	9-5/8 (244)	12-5/8 (321)	11-5/8 (295)	11-3/4 (298)	14-1/2 (368)	13-3/4 (349)	13-7/8 (352)
95°	100°	10 (254)	9 (229)	9-1/8 (232)	12 (305)	11-1/8 (283)	11-1/4 (286)	13-7/8 (352)	13-1/8 (333)	13-1/4 (337)
100°	105°	9-1/2 (241)	8-1/2 (216)	8-5/8 (219)	11-5/8 (295)	10-5/8 (270)	10-3/4 (273)	13-1/4 (337)	12-1/2 (318)	12-5/8 (321)
105°	110°	9 (229)	8 (203)	8-1/8 (206)	11 (279)	10-1/8 (257)	10-1/4 (260)	12-3/4 (324)	12-1/8 (308)	12-1/4 (311)
110°	115°	8-1/2 (216)	7-1/2 (191)	7-5/8 (194)	10-1/2 (267)	9-1/2 (241)	9-5/8 (244)	12-1/4 (311)	11-1/2 (292)	11-5/8 (295)

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2 Installation

1. Template

Mark door and jamb (for closer bracket and arm brackets).

Frame Template 1A (Standard Application with 615F58 Bracket) (Figure 2)

For Deep Reveal: Frame Template 1B. (Figure 3)

For Flush Partition: Frame Template 1C. (Figure 4)

NOTES:

- **Check hand of door. (Figure 1)**
- **Right Hand Application Shown, Left Hand Opposite**
- **Dimensions given in inches (mm). Do Not Scale Drawing.**
- **Closer must be installed in a true horizontal plane to ensure proper closer performance.**

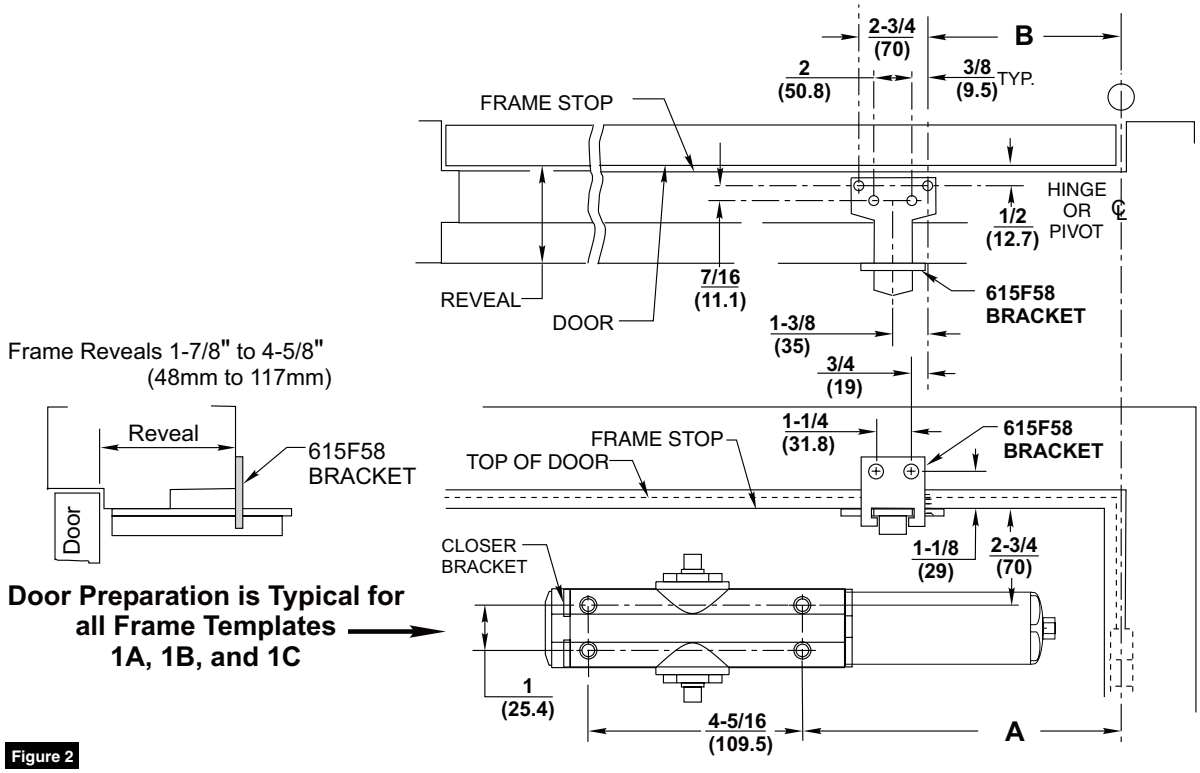

Figure 2

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2 Installation

FRAME TEMPLATE 1B DEEP REVEAL APPLICATION with M103 OPTION (615F59 CLAMP KIT)

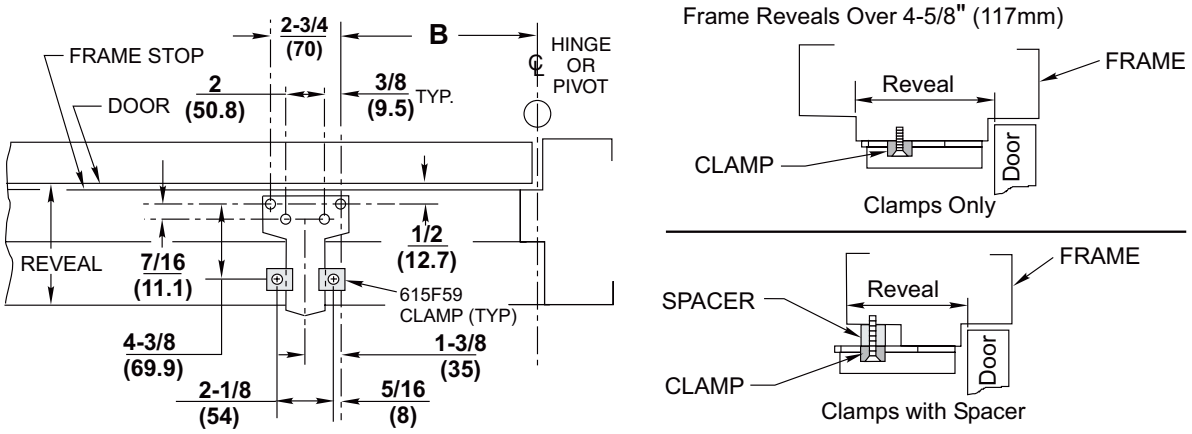

Figure 3

FRAME TEMPLATE 1C FLUSH PARTITION APPLICATION with M104 OPTION (615F60 BRACKET)

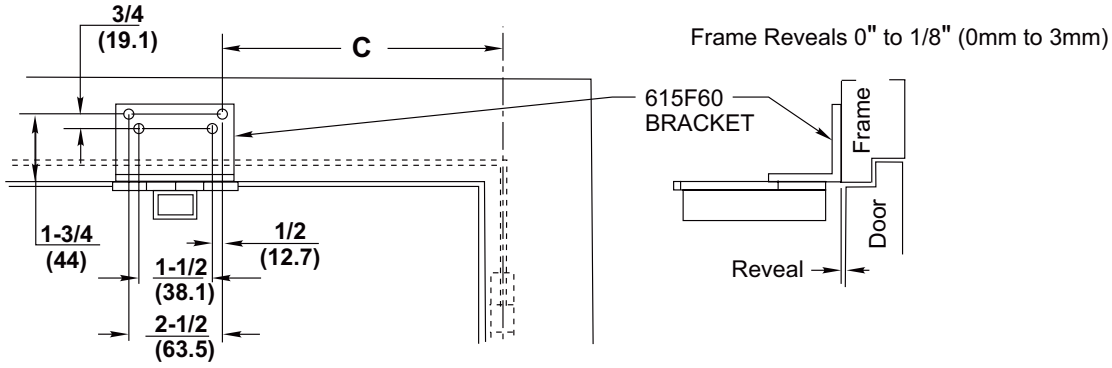

Figure 4

2. Install Closer Bracket. (Figure 5)

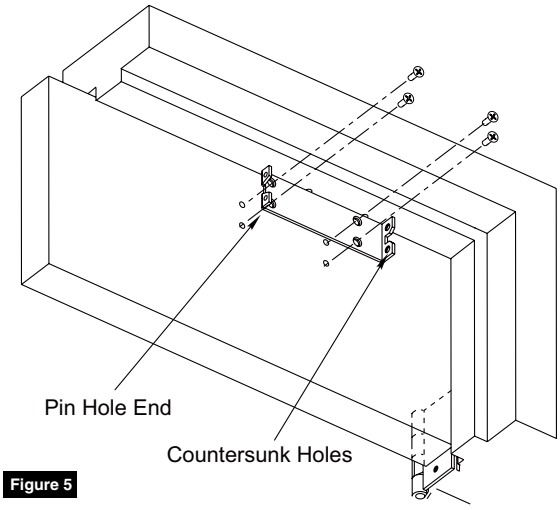

Figure 5

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2 Installation

3. Mount Closer Body to Closer Bracket. (Figure 6)

4. Fasten Arm Brackets to Frame

For Frame Templates “1A” and “1B” fasten main arm bracket to frame. Locate and install reinforced brackets 615F58 (1A) or 615F59 Kit (1B).

For Frame Template “1C” fasten Flush Partition Bracket 615F60 to frame face and install main arm bracket to the 615F60 Bracket.

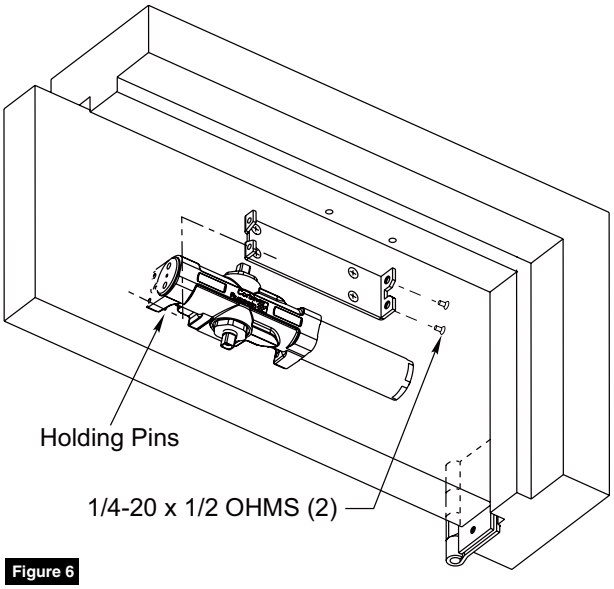

Figure 6

5. Connect Arm To Closer (Figure 7)

Using hex wrench provided, close (turn clockwise) CLOSING SPEED VALVE. (Figure 9) DO NOT OVER TIGHTEN.

- Open door to approximately 60°
- Using wrench on underside of spindle, rotate spindle approximately 135° toward hinge edge of door.
- Install arm on spindle at an approximate 90° angle to door.
- Reopen CLOSING SPEED VALVE.
- Install and tighten arm washer and screw.

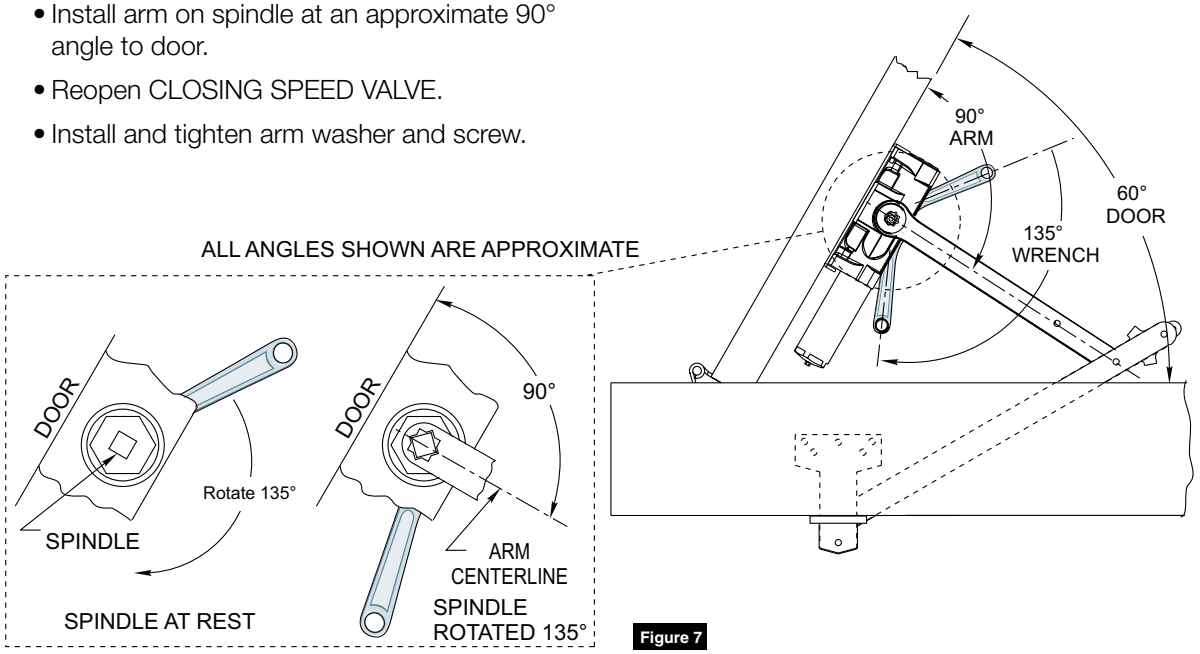

Figure 7

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3 Adjustments

Adjustments (Figure 8)
(3/32 Allen Wrench Provided)

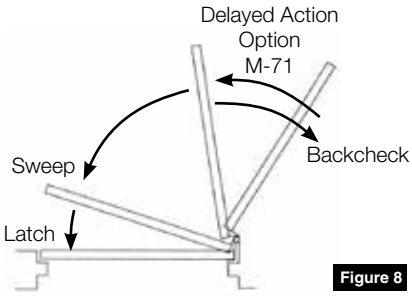

Figure 8

Closing Speed Valve (Figure 9)

To adjust speed of door closing from fully open to a position 2 to 5" from closed, turn Closing Speed Valve CLOCKWISE to SLOW closing, COUNTER-CLOCKWISE to SPEED closing.

Latching Speed Valve (Figure 10)

After closing speed has been obtained, turn latching speed valve CLOCKWISE to SLOW latching or COUNTER-CLOCKWISE to SPEED latching for last 2 to 5 of door travel.

NOTE: Set combination of CLOSING and LATCHING speeds to between 3 and 7 seconds Use of door by handicapped, elderly or small children, may require even greater closing time.

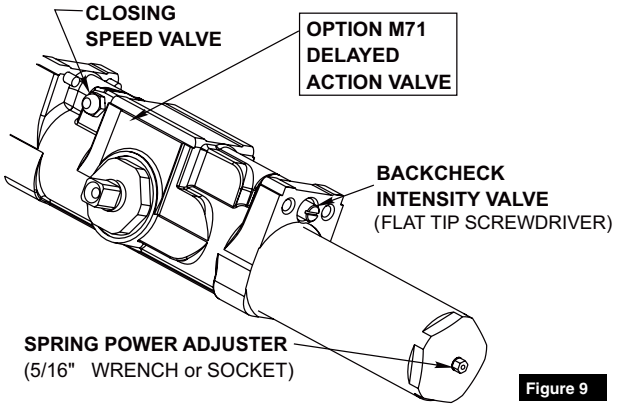

Figure 9

Backcheck Intensity Valve (Figure 9)

Turn valve COUNTER- CLOCKWISE to reduce backcheck or CLOCKWISE to increase backcheck. (Backcheck should be set to give a soft cushioning action, not a sudden stop).

Delayed Action Valve (Figure 9)

Turn valve CLOCKWISE to SLOW closing, COUNTERCLOCKWISE to SPEED closing. Delayed action may be adjusted from 20 seconds to 90 seconds, depending on degree of door swing. Delay occurs at the beginning of the door closing cycle from fully open down to 70°, where the closing speed valve then begins its control.

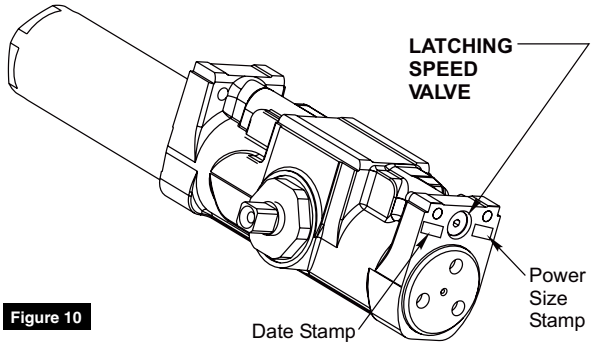

Figure 10

HOLD OPEN ADJUSTMENTS - A12 ARMS ONLY

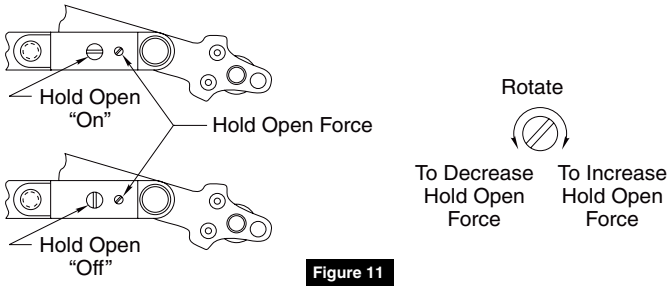

Figure 11

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3 Adjustments

Adjust Spring Power According to Chart DC3200 Size 1-6 Adjustment (Figure 12)

- All DC3200 closers are factory set at an approximate Size 3.
- Adjust closer as necessary for door size using this chart.
- Readjustment may be required to suit prevailing conditions.

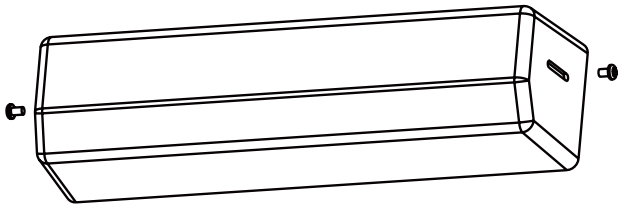
Size of Door			No. of Full (360°) Turns Clockwise of Power Adjuster	Equivalent Closer Size (Approx.)
Interior	Exterior In-Swinging	Exterior Out-Swinging		
2' 4" (712)	2' 6" (764)	-	4	2
2' 6" (764)	3' 0" (915)	-	8	3
3' 0" (915)	3' 6" (1067)	2' 6" (764)	12	4
3' 6" (1067)	4' 0" (1219)	3' 0" (915)	16	4

Figure 12

4 Cover Installation

Install Cover (Figure 13)

Slip cover over closer. Hold tightly against closer mounting surface. Secure on each side with 6-32 x 1/4 PBHMS screws.

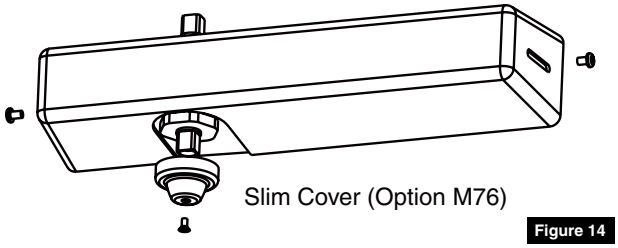


Full Cover (Standard)

Figure 13

Slim Cover Option M76 only (Figure 14)

Position spindle cap over unused spindle and secure with truss head screw.



Slim Cover (Option M76)

Figure 14

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