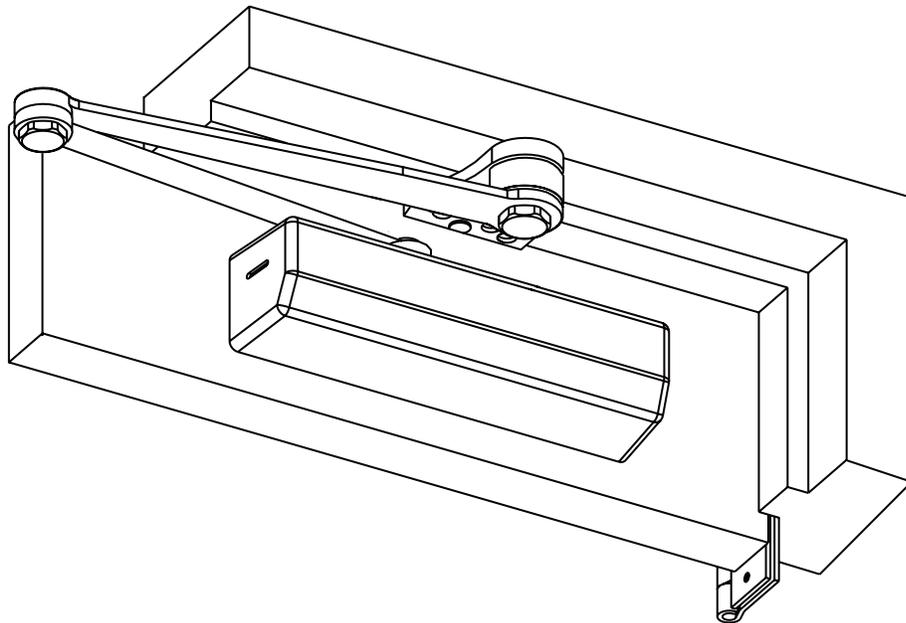


DC6210 Series DC6410 Series

A13 Heavy Duty Non- Hold Open 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.
- An auxiliary door stop, BY OTHERS, is required for this Installation.

DC6210 and DC6410 Series Closers

A13 Heavy Duty Non-Hold Open Parallel Arm

Installation Instructions



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1

Introduction



BEFORE INSTALLING:

- The Americans with Disabilities Act (ADA) requires that doors having door closers have an opening force not to exceed 5 lbf.
- The door closer's power size adjustment feature may require adjustment to its lowest setting to comply with ADA opening force guidelines.
- ADA compliant closers: DC6210 and DC6411.

TO DETERMINE HAND OF YOUR DOOR:

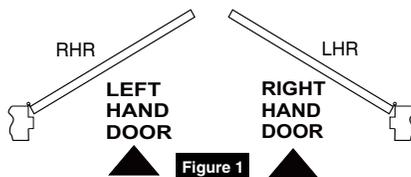
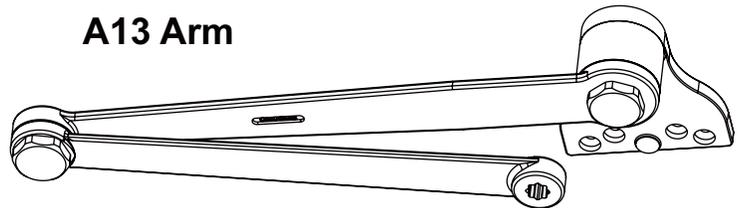


Figure 1

A13 Arm



Heavy Duty Non-Hold Open

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

*DC6410 Series recommended.

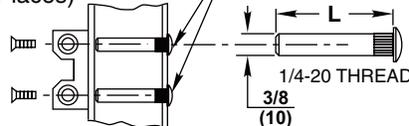
**NOTE: These forces are for standard templating with bearing type hinges and do not account for pressure differentials and draft. Half size closers DC6410 are capable of being adjusted to next higher setting.

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

Drill thru 9/32 (7.1) Enlarge to 3/8 (9.5) Dia. This Side Only (4 Places)



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

2

Installation

1. Template

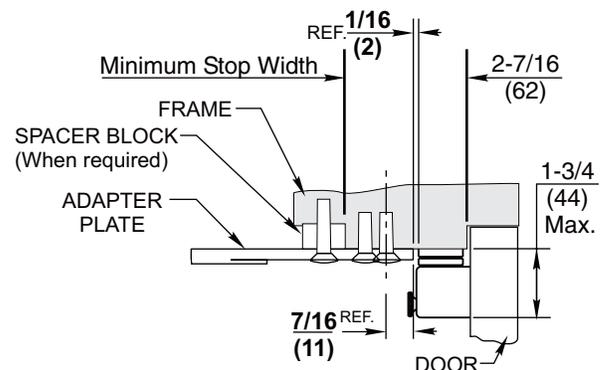
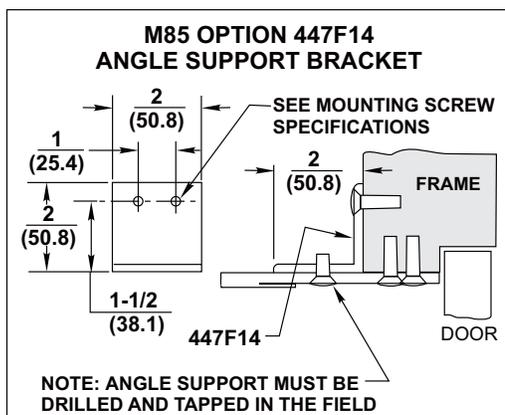
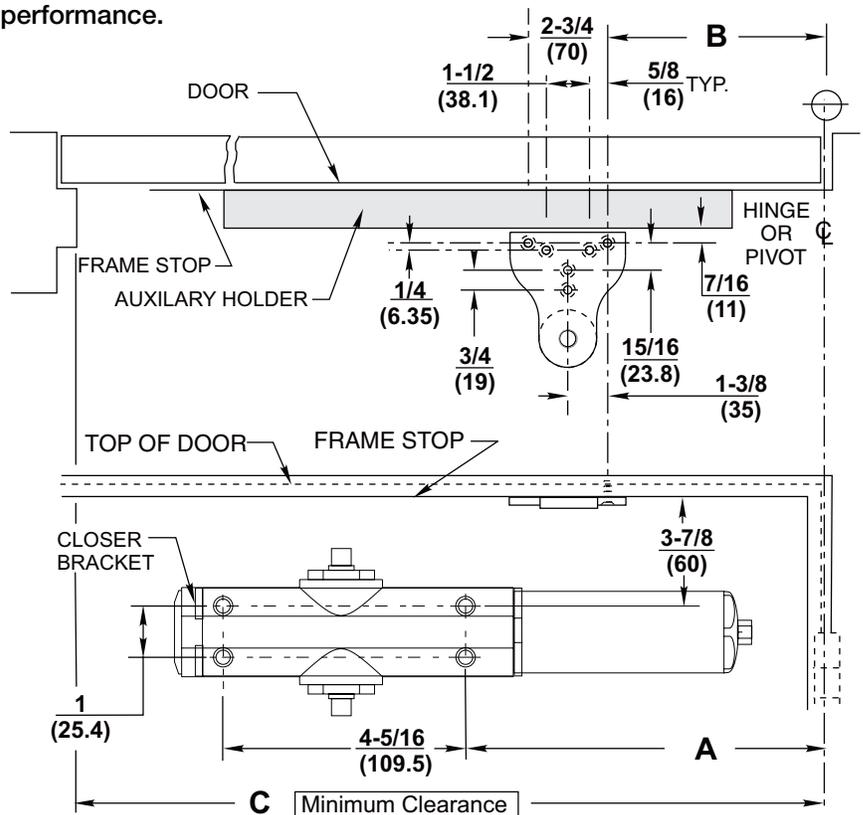
Mark and prepare door and jamb (for closer bracket and arm bracket). Use template and dimensions charted. (Figure 2)

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.

Opening Maximum	DIM. A	DIM. B	DIM. C	Application
90°	12-3/4" (324mm)	11-5/8" (295mm)	27-3/4" (705mm)	NON A.D.A.
180°	8-11/16" (221mm)	7-9/16" (192mm)	23-5/8" (600mm)	

Figure 2



DC6210 and DC6410 Series Closers

A13 Heavy Duty Non-Hold Open Parallel Arm

Installation Instructions



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2

Installation

2. Install Closer Bracket. (Figure 3)

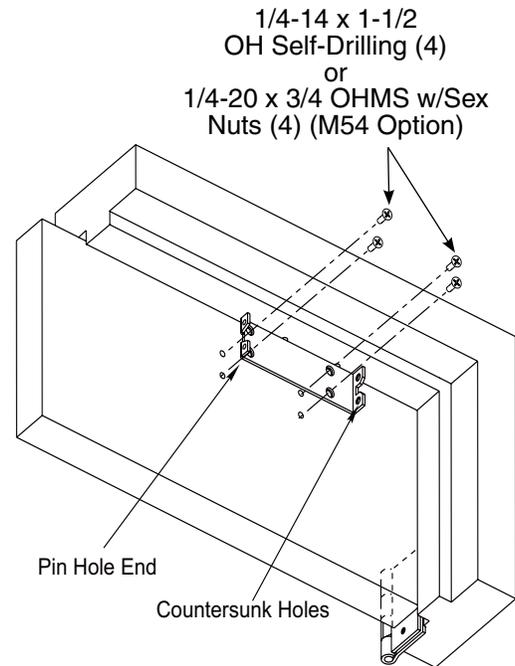


Figure 3

3. Mount Closer Body to Closer Bracket. (Figure 4)

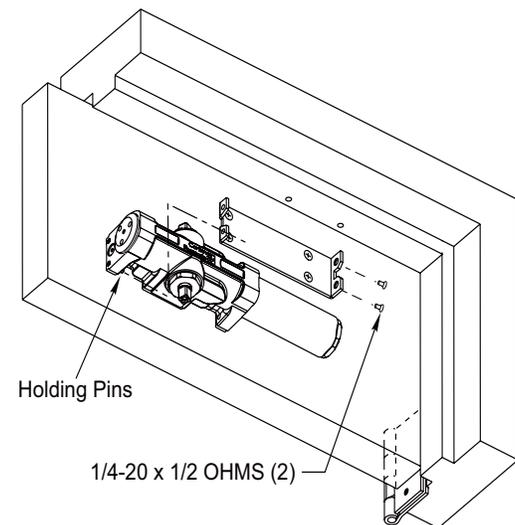


Figure 4

2

Installation

4. Mount Arm to Door Frame. (Figure 5)

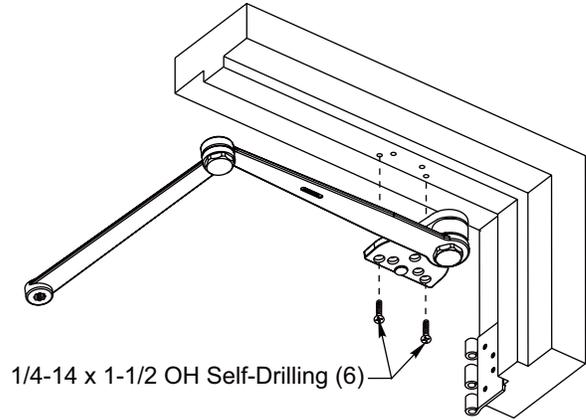


Figure 5

5. Connect Arm To Closer. (Figure 6)

Using hex wrench provided, close (turn clockwise) CLOSING SPEED VALVE (see page 5 for location on closer). **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.

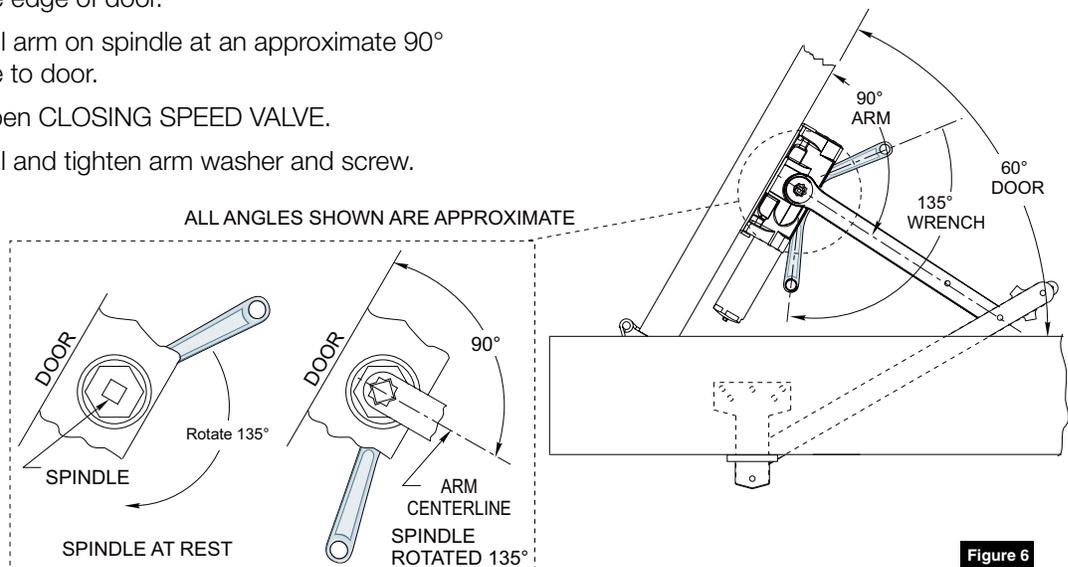


Figure 6

DC6210 and DC6410 Series Closers

A13 Heavy Duty Non-Hold Open Parallel Arm

Installation Instructions



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3

Adjustments

Adjustments (Figure 7)

(3/32 Allen Wrench Provided)

Closing Speed Valve (Figure 8)

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 9)

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.

Backcheck Location Valve (Figure 8)

Valve is closed, as shipped, from factory. To increase degree of door opening where backcheck takes effect, turn valve counter-clockwise. When valve is closed, backcheck occurs at approximately 65°-70°. When valve is open, backcheck occurs at approximately 95°-100°.

Backcheck Intensity Valve (Figure 8)

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 8)

Turn valve CLOCKWISE to SLOW closing, COUNTER-CLOCKWISE 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.

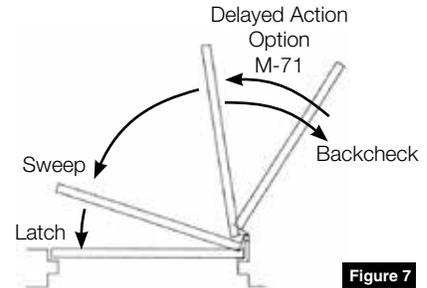


Figure 7

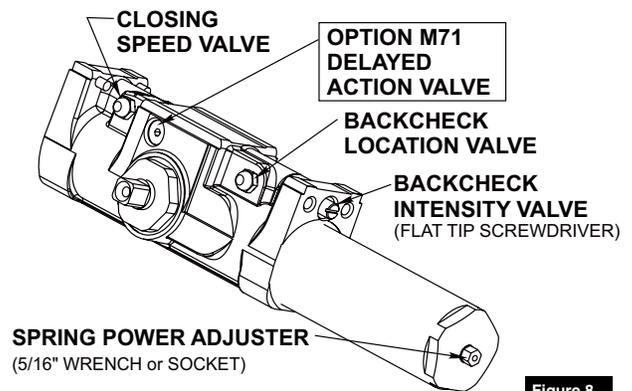


Figure 8

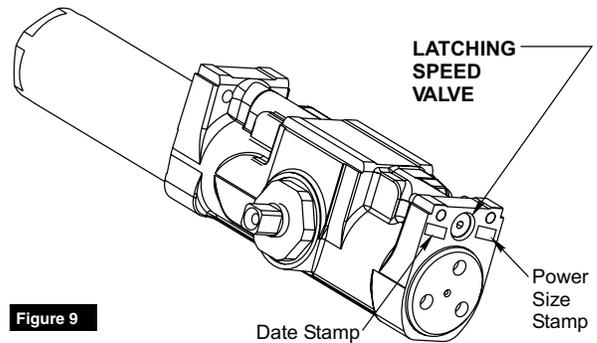


Figure 9

DC6210 and DC6410 Series Closers

A13 Heavy Duty Non-Hold Open Parallel Arm



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Installation Instructions

3

Adjustments

Adjust Spring Power According to Chart DC6200 Size 1-6 Adjustment (Figure 10) DC6400 Half Size Adjustment as Desired

- All DC6200 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	5

Figure 10

4

Cover Installation

Install Cover (Figure 11)

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

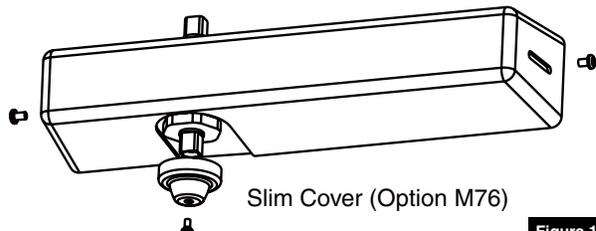


Full Cover (Standard)

Figure 11

Slim Cover Option M76 only (Figure 12)

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



Slim Cover (Option M76)

Figure 12

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