SL6000 SIS, SISJ, SISH, SISJH

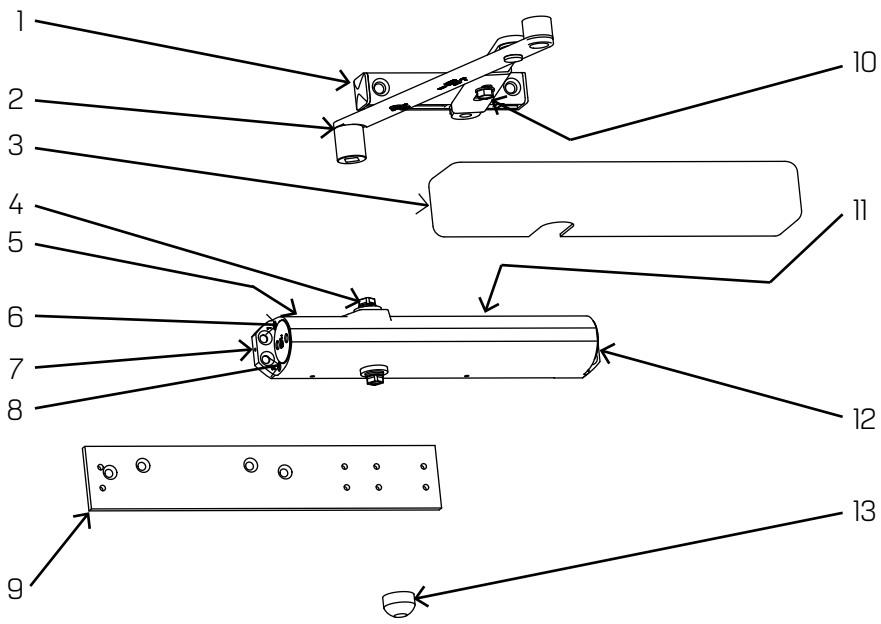
Spring stop arm for regular, top jamb mount with hold open (SISH, SISJH)

Installation Instructions

BEST dormakaba Group

OVERVIEW

Surface closer components



1	Damper assembly	6	Latch speed adjustment	10	Connecting arm
2	Main arm	7	Closer body	11	Backcheck positioning
3	Full cover (optional)	8	Closing/sweep speed adjustment	12	Backcheck adjustment
4	Pinion	9	Backplate (optional)	13	Dust cap
5	Delayed action adjustment				

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1 Technical specifications

1.1 Overview

Caution: sex nuts are required for attachment of components to unreinforced doors and to wood or plastic faced composite type fire doors, unless an alternative method is identified in the individual door manufacturer's listings.

Maximum door opening degree is 180°.

Maximum 4-1/2" reveal on top jamb mounts for 110° degree openings.

Know the swing of the door which is being installed prior to installation.

Verify closer spring size prior to installation.

Make sure door efficiently operates prior to installing closer.

Do not hammer arm onto spindle. Warranty will be void.

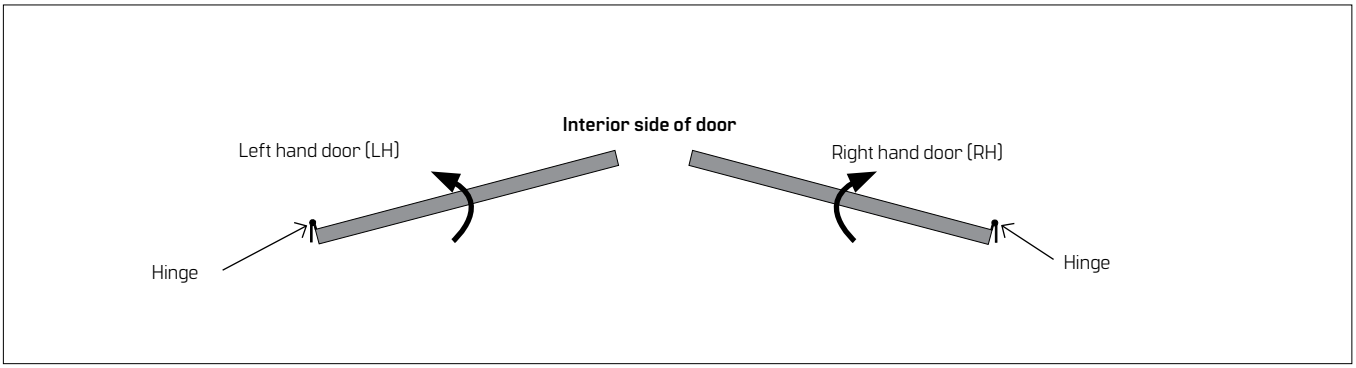
1.2 Tools recommended

Table 1

Drill bits:	#3 Phillips screwdriver
Metal: 7/32" drill bit; 1/4-20 tap	1/2" or 13 mm box wrench
Wood: 5/32" bit	10" adjustable wrench
DPK: 1/8"	3/16" hex key
Sex nuts: 3/8"	5 mm hex key

1.3 Handing the door

Fig. 1



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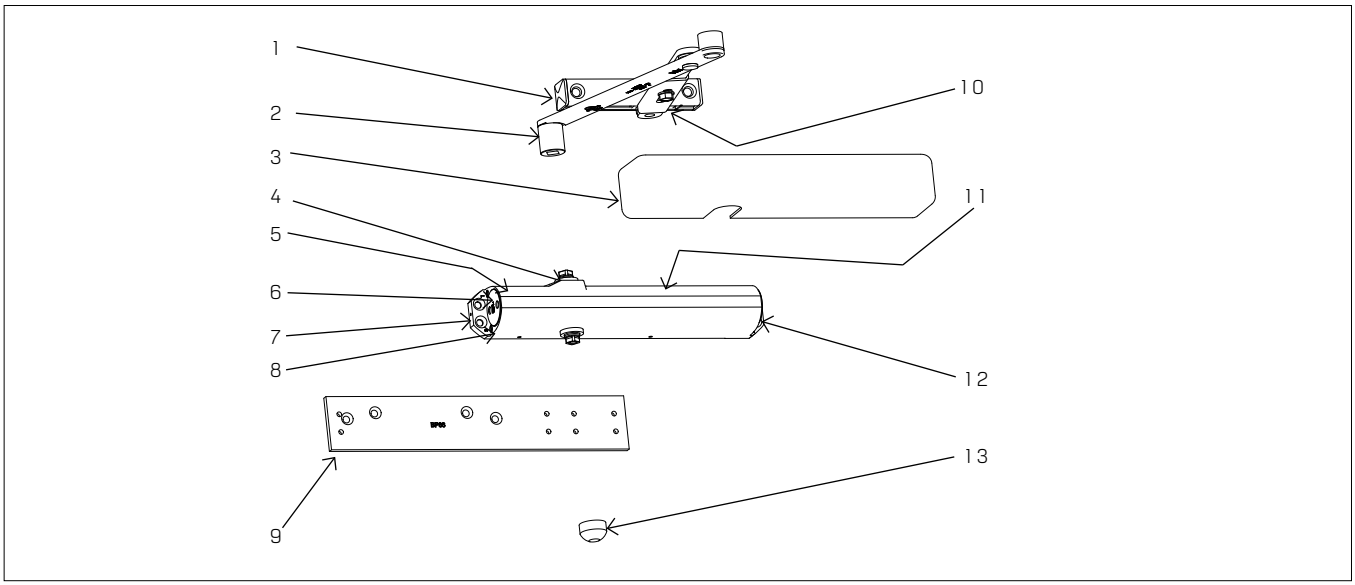
1.4 Surface closer components

Fig.2



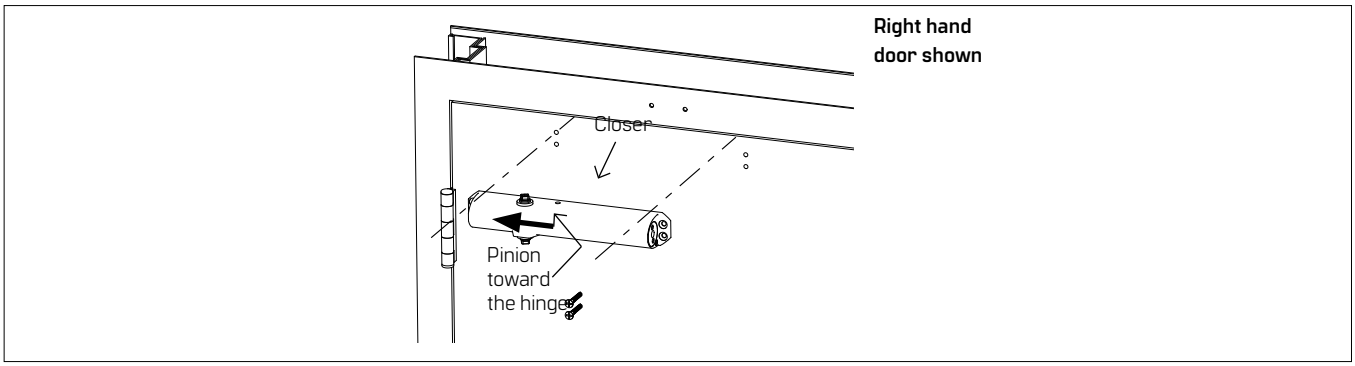
The surface closer is comprised of the following components.

1. Damper assembly
2. Main arm
3. Full cover (optional)
4. Pinion
5. Delayed action adjustment
6. Latch speed adjustment
7. Closer body
8. Closing/sweep speed adjustment
9. Backplate (optional)
10. Connecting arm
11. Backcheck positioning
12. Backcheck adjustment
13. Dust cap

2 Installation - regular mount

2.1 Installing the surface closer

Fig.3



NOTE: Orient pinion toward the hinge.

2.1.1 Secure closer body to mounting surface.

- Use four 1/4"/#14 flat head screws as required.

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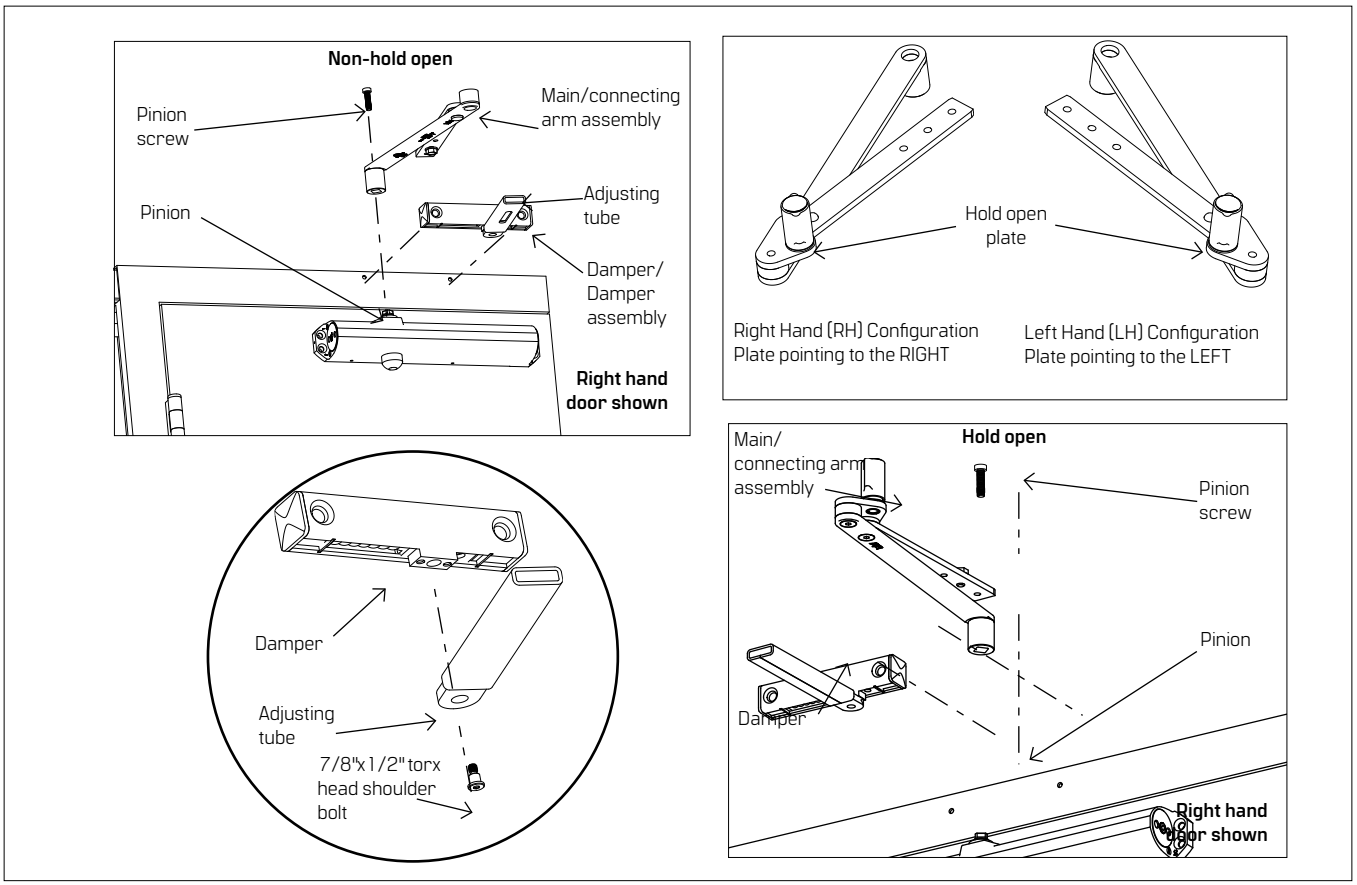
2.2 Securing main arm to door/frame

Fig. 4



Do not hammer arm onto spindle.
Warranty will be void.

2.2.1 Secure adjusting tube to damper.
- Use one 7/8" x 1/2" torx head shoulder bolt provided.

2.2.2 Secure damper assembly to frame.
- Use two 5/16" x 2" flat head screws [#20 x 2" flat head wood screws] provided.

2.2.3 Secure main arm to operator pinion.

2.2.4 Use provided pinion screw [M8 x 30 socket head cap screw].

NOTE: To disassemble hold open plate:

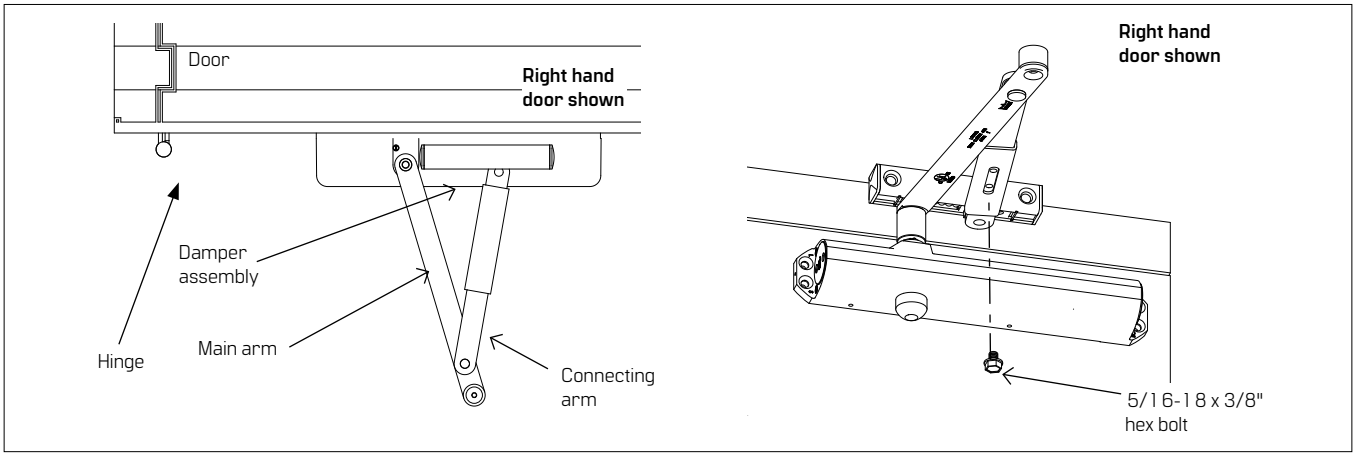
2.2.5 Remove both screws from bottom of plate using a 3/16" hex key.

2.2.6 Keeping all washers in place, flip plate over to orient as per image above.

2.2.7 Re-secure plate with both screws.

2.3 Securing main arm to closer

Fig. 5



2.3.1 Slide end of connecting arm into end of damper assembly.

2.3.2 Secure connecting arm and damper assembly.

2.3.3 Use provided fastener [5/16-18 x 3/8" hex bolt].

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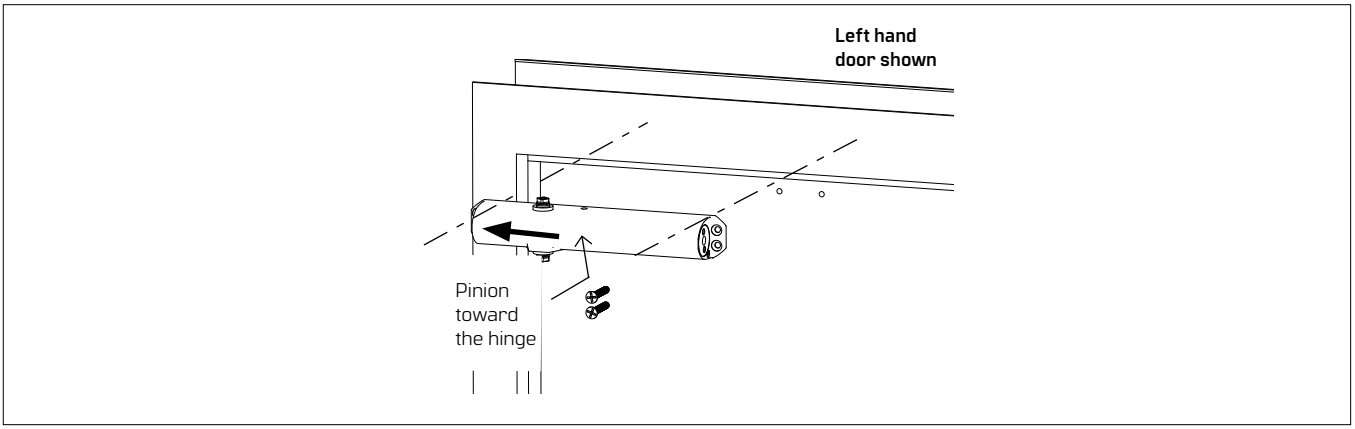
3 Instructions - top jamb mount

3.1 Installing the surface closer

Fig.6



NOTE: Orient pinion closest to hinge.

3.1.1 Secure closer body to plate.

- Use four 1/4"/#14 flat head screws as required.

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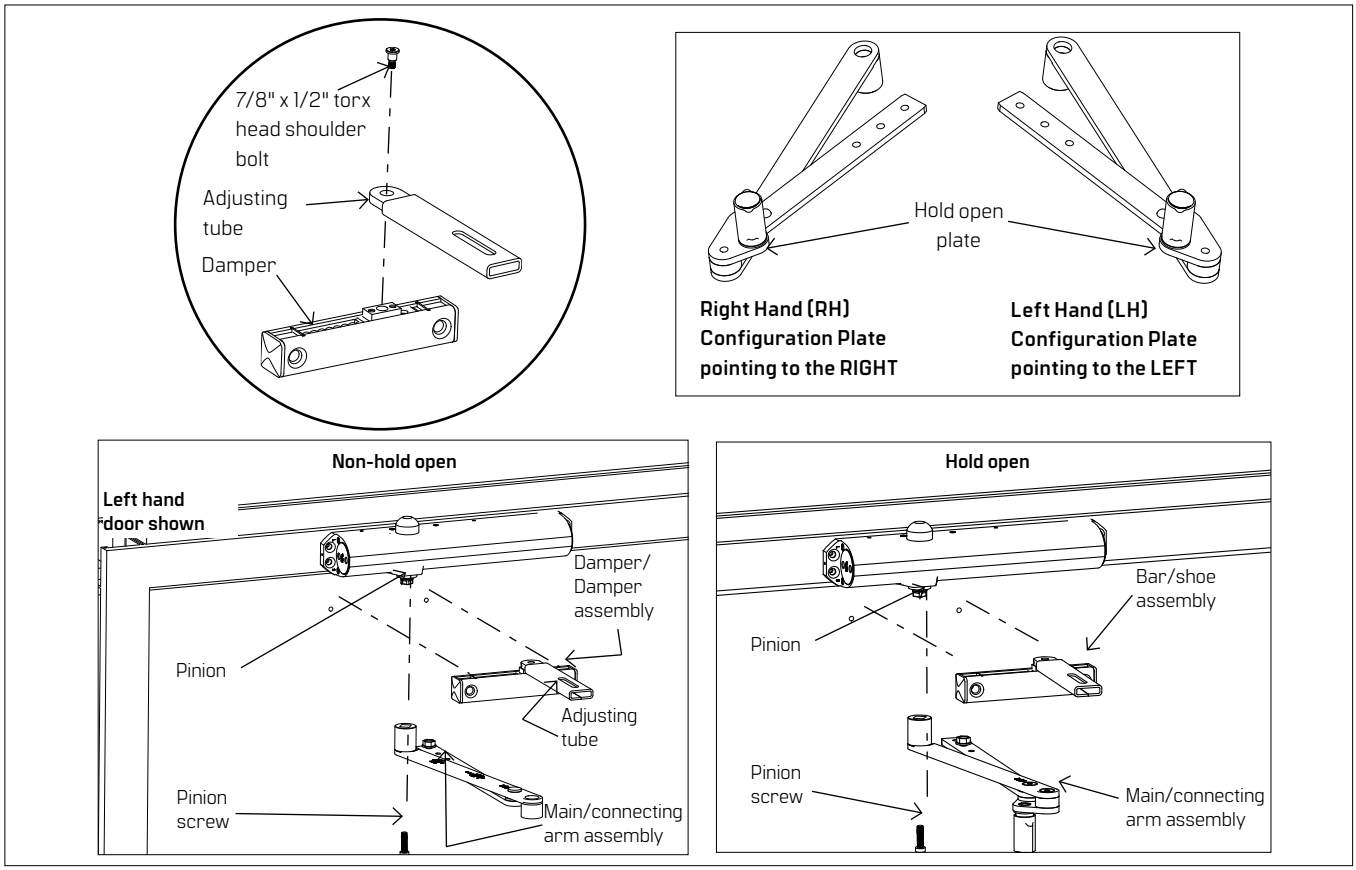
3.2 Securing main arm to door/frame

Fig.7



Do not hammer arm onto spindle. Warranty will be void.

3.2.1 Secure adjusting tube to damper.
- Use one 7/8" x 1/2" torx head shoulder bolt provided.

3.2.2 Secure damper assembly to frame.
- Use two 5/16" x 2" flat head screws [#20 x 2" flat head wood screws] provided.

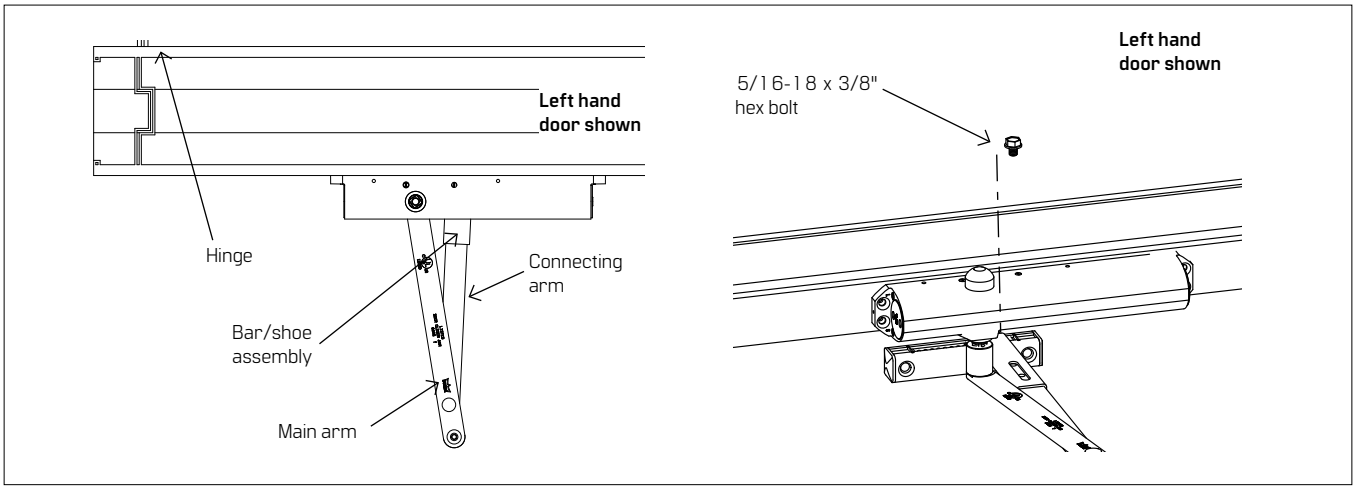
3.2.3 Secure main arm to operator pinion.
- Use provided pinion screw [M8 x 30 socket head cap screw].

NOTE: To disassemble hold open plate:

- Remove both screws from bottom of plate using a 3/16" hex key.
- Keeping all washers in place, flip plate over to orient as per image above.
- Re-secure plate with both screws.

3.3 Securing main arm to closer

Fig.8



3.3.1 Slide end of connecting arm into end of damper assembly.

3.3.2 Secure connecting arm and bar/shoe assembly.

3.3.3 Use provided fastener [5/16-18 x 3/8" hex bolt].

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4 Adjustments

⚠ Confirm closer spring size prior to making any closing speed adjustments.

⚠ Do not back valve heads out beyond closer casting.

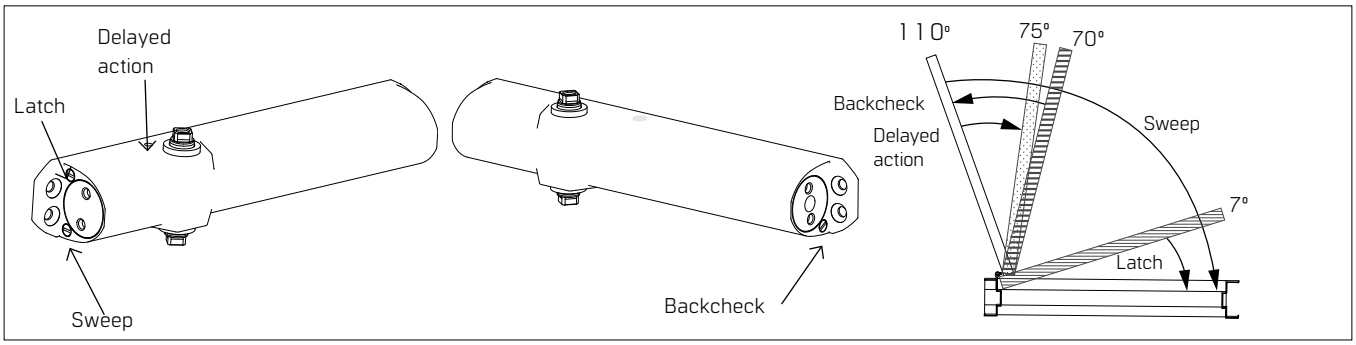
⚠ Maximum opening angle is 110°.

⚠ Door should close in 3 to 6 seconds from 90°.

⚠ Do not close valves completely.

4.1 Adjust closing speeds: sweep, latch, backcheck, delayed action

Fig.9



4.1.1 Adjust sweep speed for the area from 110°-7°.
- Increase sweep speed: Turn valve counter-clockwise.
- Decrease sweep speed: Turn valve clockwise.

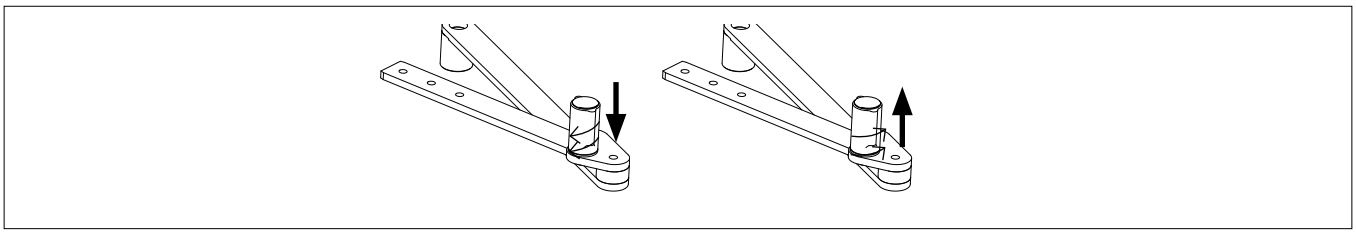
4.1.2 Adjust latch speed from 7°-0°.
- Increase latch speed: Turn valve counter-clockwise.
- Decrease latch speed: Turn valve clockwise.

4.1.3 Adjust backcheck for the area from 70°-110°.
- Increase resistance: Turn valve clockwise.
- Decrease resistance: Turn valve counter-clockwise.

4.1.4 Adjust Delayed Action for the are from 110°-75°.
- Increase delay: Turn valve clockwise.
- Decrease delay: Turn valve counter-clockwise.

4.2 Adjust hold open (optional)

Fig.10



4.2.1 Enabling or disabling hold open.
- Twist hold open handle up or down to loosne or tighten, respectively, the hold open capacity.

4.2.2 Engaging or disengaging hold open.
- Engaging hold open: Push door open until hold open ball connects with detent in handle.
- Disengaging hold open: Pull door to pop hold open ball out of detent.

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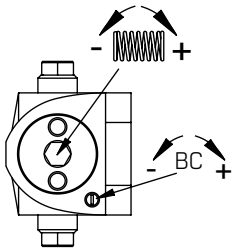
4.3 Adjust spring force

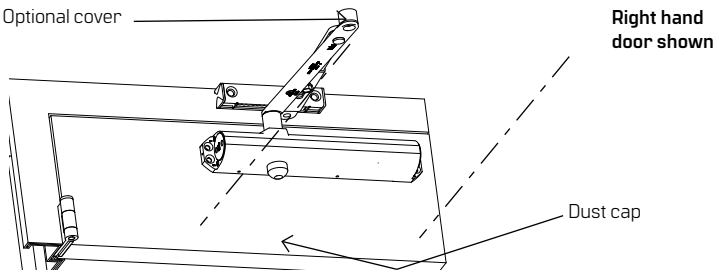
Fig. 1 1



Regular and top jamb mount					
	Closer size	Max door weight (lbs)	Door width		Full turns
			Interior	Exterior	
SL6014	2	100	2'6"	----	-9
	3	125	3'	2'6"	-4
	4	150	3'6"	3'	0
	5	200	4'	3'6"	+4
	6	250	----	4'	+8
Parallel mount					
SL6036	3	100	2'6"	----	-4
	4	125	3'	2'6"	0
	5	150	3'6"	3'	+4
	6	200	4'	3'6"	+8

5 Install cover (optional)

Fig 1 2



5.1.1 Snap cover over closer body.

5.1.2 Screw dust cap onto exposed pinion.

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