

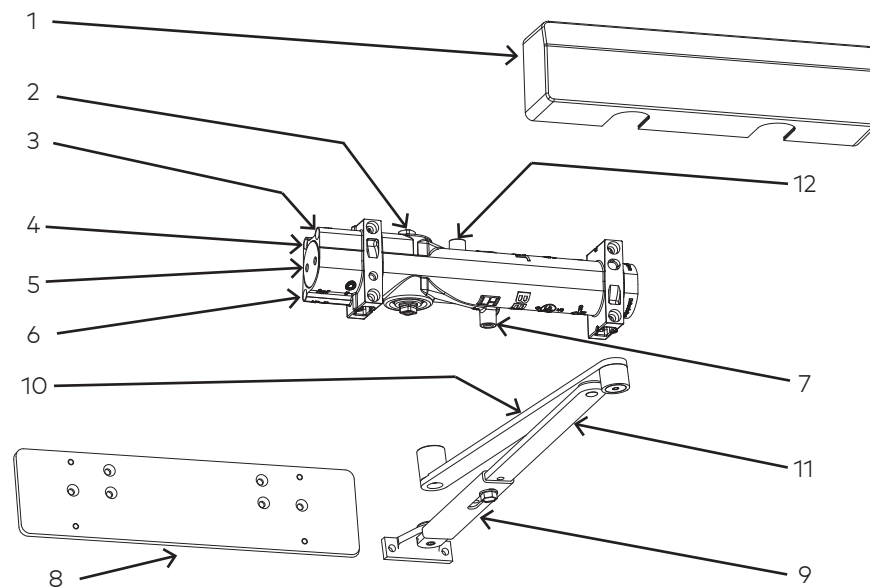
HD8000 IS/ISJ/ISH/ISJH

Surface applied closer
Integra stop arm for regular and top jamb mounts
with hold open (ISH, ISJH)

Installation Instructions

OVERVIEW

Surface closer components



1 Cover

2 Pinion

3 Delayed action adjustment

4 Closing/sweep speed adjustment

5 Closer body

6 Latch speed adjustment

7 Backcheck adjustment

8 Optional backplate

9 Bar/shoe assembly

10 Main arm

11 Connecting arm


12 Advanced variable backcheck


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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.

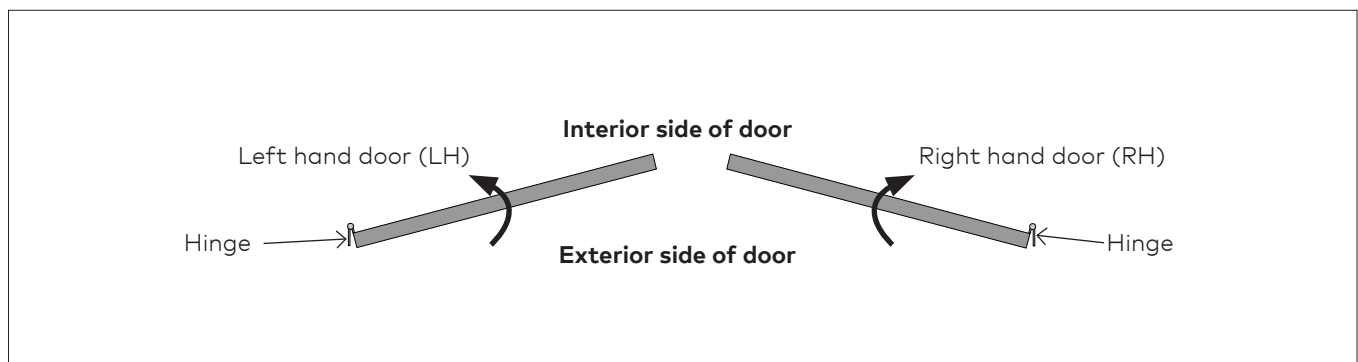
1.2 Tools recommended

Table 1

Drill bits:	#3 Phillips screwdriver
Metal: 7/32" drill bit; #12-24 tap	1/2" or 13mm box wrench
Wood: 5/32" bit	10" adjustable wrench
DPK: 1/8"	3/16" hex key
Sex nuts: 3/8"	5mm hex key

1.3 Handing the door

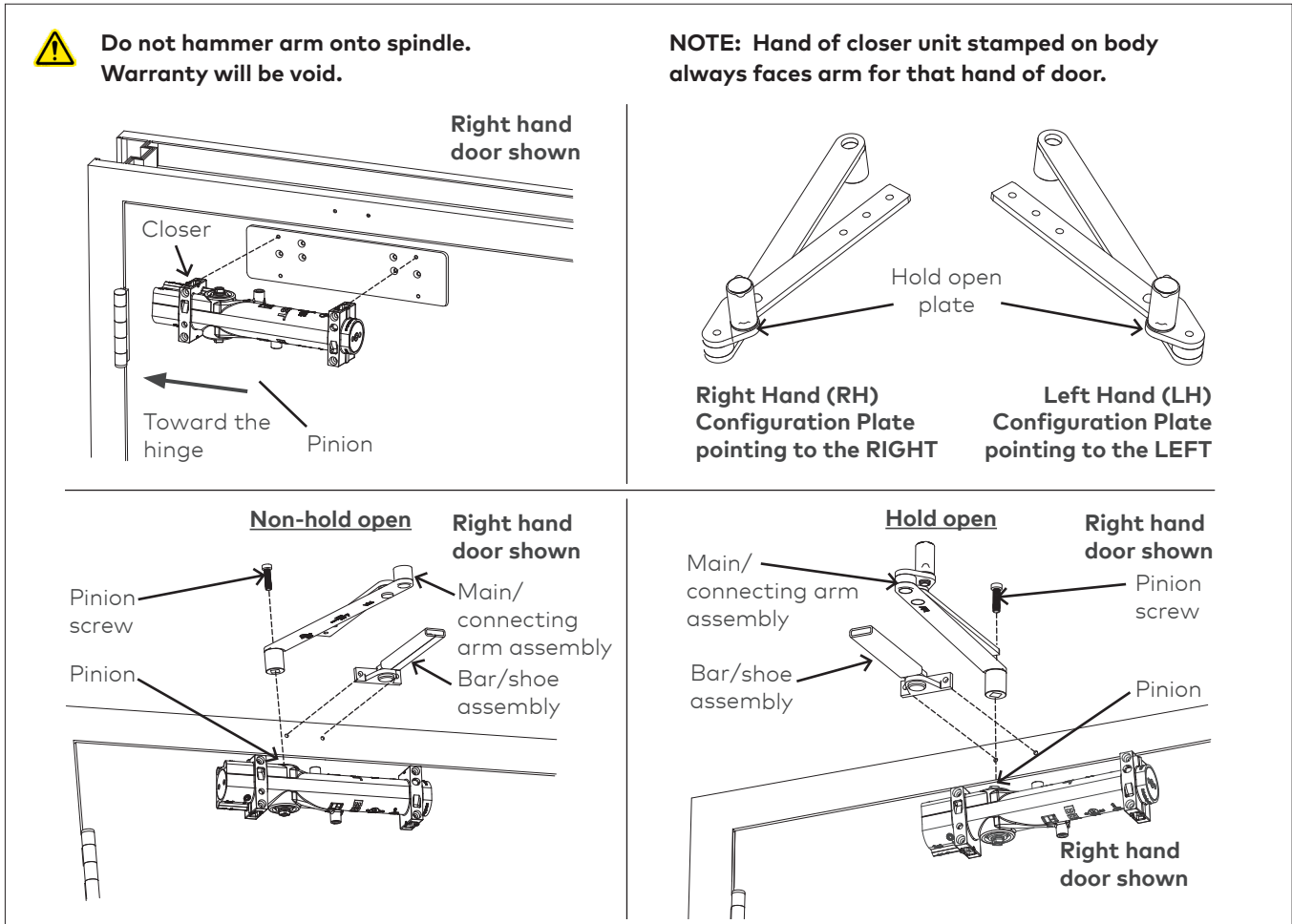
Fig.1



2 Installation - regular mount

2.1 Securing surface closer and main arm to door/frame

Fig.2

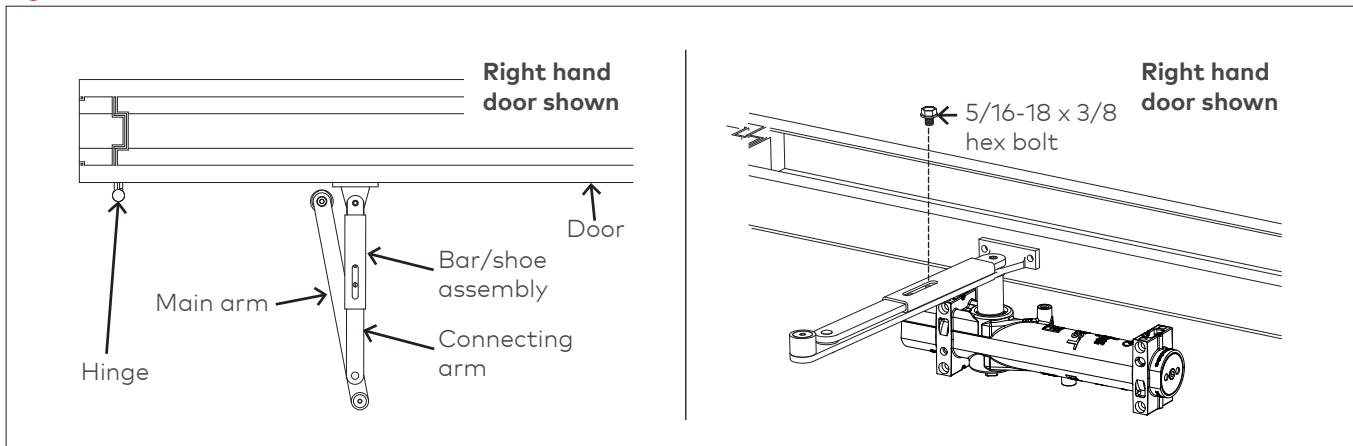


- 2.1.1 Secure closer body to door.
- Use four #12-24 x 2" PH flat head screws [#12-24 x 2-3/4" PH flat head wood screws] provided.
- 2.1.2 Secure the bar/shoe assembly to frame.
- Use two #14-20 x 5/8" Phillips round head screws [#14-20 x 1-1/4" round head wood screws] provided.
- 2.1.3 Secure main arm to operator pinion with 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.

2.2 Securing main arm to closer

Fig.3



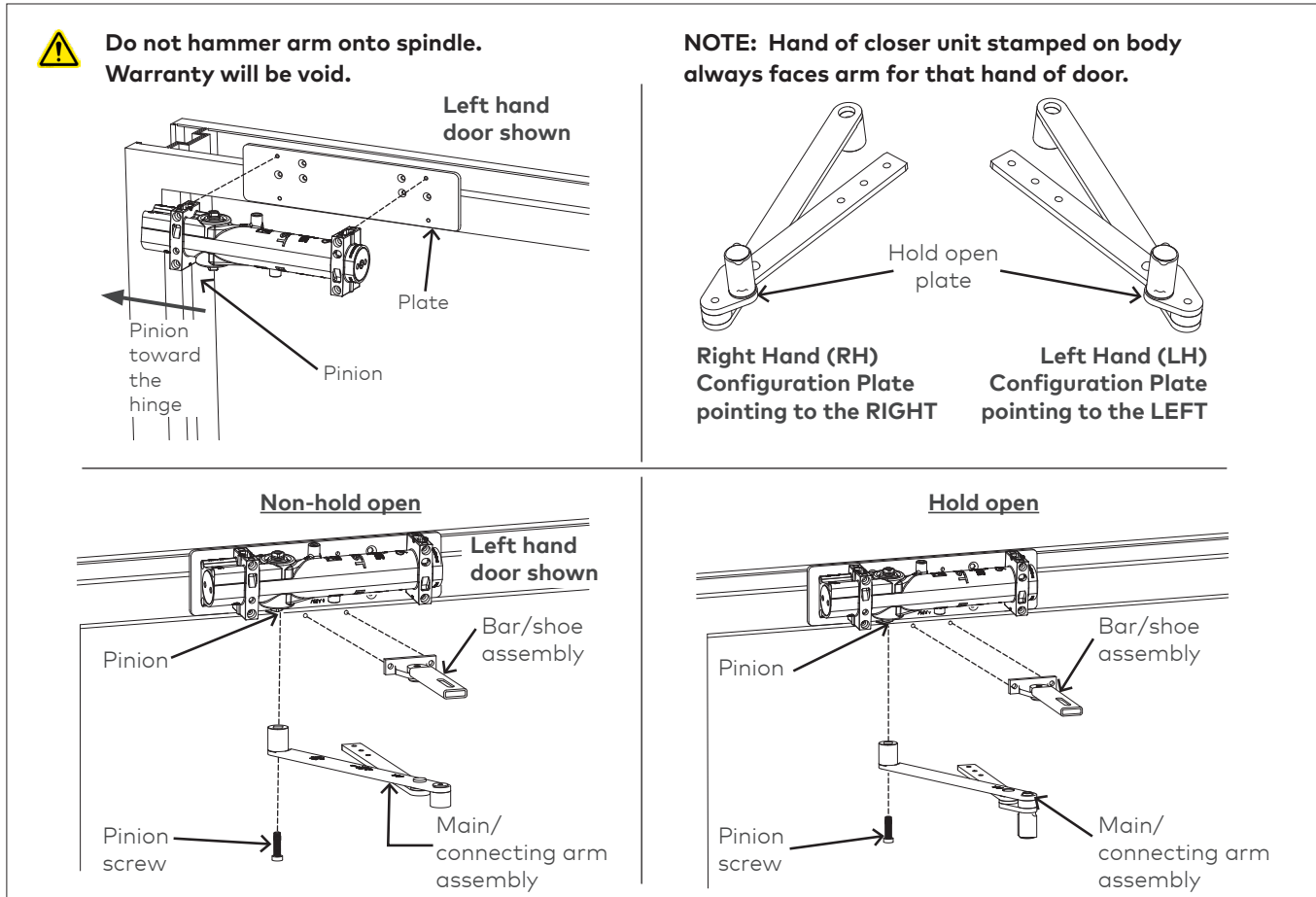
- 2.2.1 Slide end of connecting arm into end of bar/shoe assembly.

- 2.2.2 Secure connecting arm and bar/shoe assembly.
- Use provided fastener [5/16-18 x 3/8 hex bolt].

3 Instructions - top jamb mount

3.1 Securing surface closer and main arm to door/frame

Fig.4

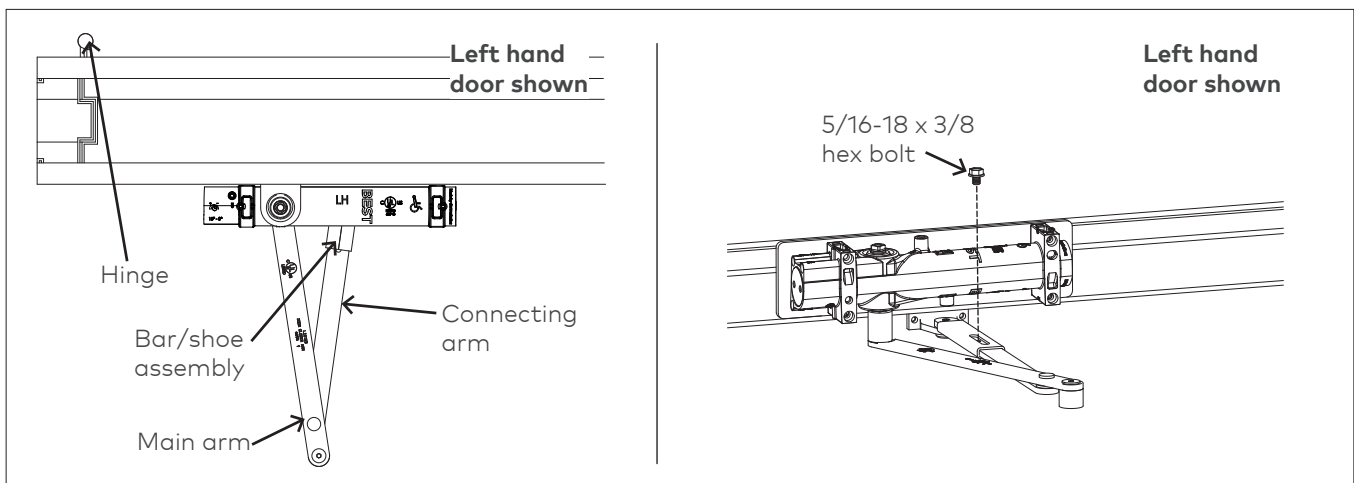


- 3.1.1 Secure plate (BP80) to frame.
- Use four #12-24 x 5/8" flat head screws [#12-24 x 1-1/2 Phillips flat head wood screws] provided.
- 3.1.2 Secure closer body to plate.
- Use four #12-24 x 1-3/4" Phillips flat head screws provided with plate itself.
- 3.1.3 Secure bar/shoe assembly to mounting surface.
- Use two #14-20 x 5/8" PH round head screws [#14-20 x 1-1/4" round head wood screws] provided.

- 3.1.4 Secure main arm to operator pinion with 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.

3.2 Securing main arm to closer



Fig.5






- 3.2.1 Slide end of connecting arm into end of bar/shoe assembly.

- 3.2.2 Secure connecting arm and bar/shoe assembly.
- Use provided fastener [5/16-18 x 3/8 hex bolt].

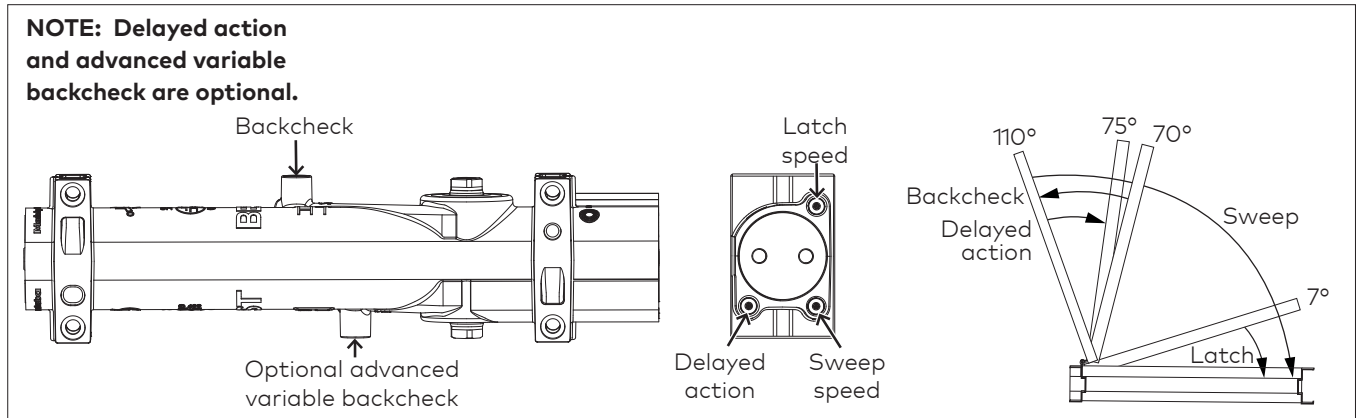
4 Adjustments

-  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 if applicable

Fig.6

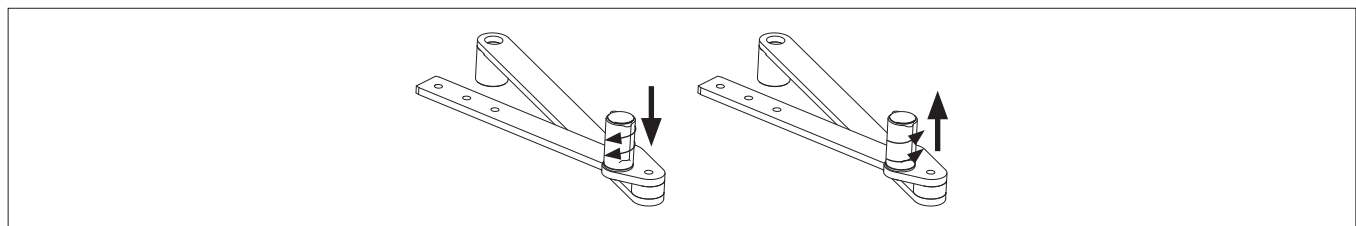


- 4.1.1 Adjust sweep speed for the area from 70° - 10°.
- Increase sweep speed: Turn valve counter-clockwise.
 - Decrease sweep speed: Turn valve clockwise.
- 4.1.2 Adjust latch speed from 10° - 0°.
- Increase latch speed: Turn valve counter-clockwise.
 - Decrease latch speed: Turn valve clockwise.
- 4.1.3 Adjust backcheck for the area from 110° - 70°.
- Increase resistance: Turn valve clockwise.
 - Decrease resistance: Turn valve counter-clockwise.

- 4.1.4 If applicable, adjusting **advanced variable backcheck** will advance approximately 15° in the "ON" position.
- Shipped from factory fully "ON".
 - Turn OFF: Rotate counter-clockwise.
 - Turn ON: Rotate clockwise.
- 4.1.5 If applicable, adjust **closing delayed action**: angle 180° to start of sweep.
- Increase delay: Turn valve counter-clockwise.
 - Decrease delay: Turn valve clockwise.

4.2 Adjust optional hold open

Fig.7

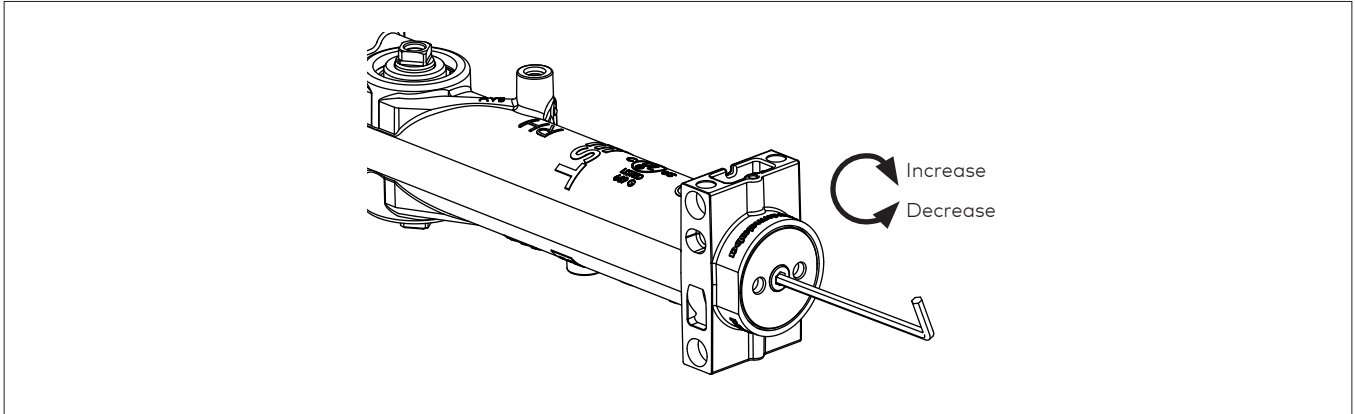


- 4.2.1 Enabling or disabling hold open.
- Twist hold open handle up or down to loosen or tighten, respectively, the hold open capacity.

- 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.

4.3 Adjust spring force

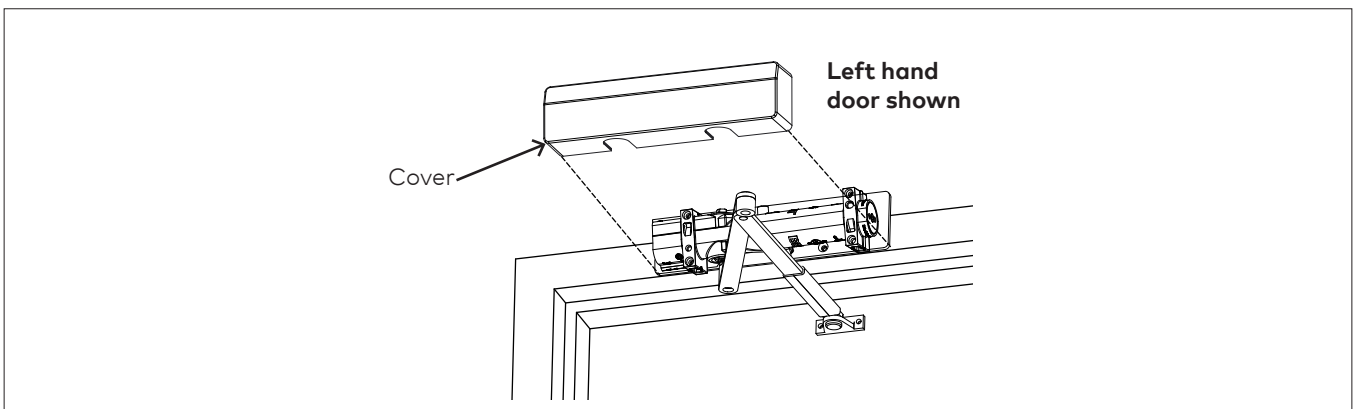
Fig.8



Regular and top jamb mounts				
	Closer size	Door width		Full turns
		Interior	Exterior	
HD8016	1	28"	---	
	2	34"	28"	-19
	3	38"	30"	-11
	4	48"	36"	0
	5	54"	42"	+5
	6	60"	54"	+13
HD8056	5	54"	42"	+5
	6	60"	54"	+13

5 Install covers

Fig.9



5.1.1 Snap cover over closer body.



For Complete Online Instructions Visit:
<https://dhwsupport.dormakaba.com/hc/en-us>

For Assistance or Warranty Information:
Call 1-800-392-5209 or visit
<https://dhwsupport.dormakaba.com/hc/en-us>