

8600 T/TH, JT/JTH, FT/FTH

Pull side mount (closer on frame, track on door) T/TH

Pull side mount (closer on door, track on frame) JT/JTH

Push side mount (closer on transom, track on door) FT/FTH

Installation instructions


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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°.

 Arrow on backplate points upward.
-  Hold open range is from 80° to 145° with optional hold open kit.

 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.

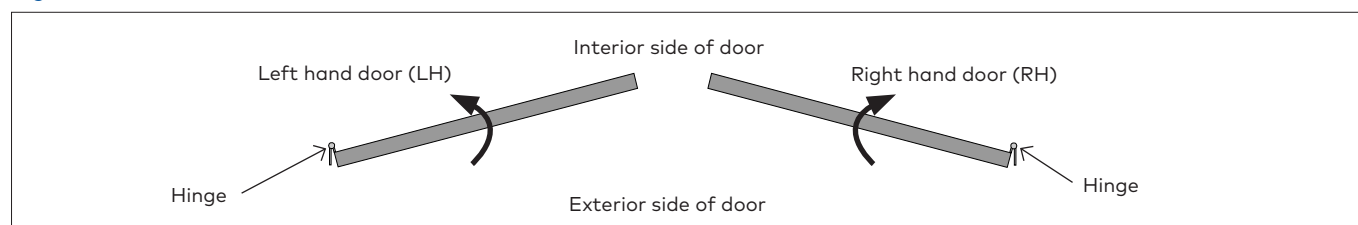
1.2 Tools recommended

Table 1

Drill bits:	#3 Phillips screwdriver
Metal: 7/32" drill bit; 1/4-20 tap	3/16" flat head screwdriver
Wood: 3/8" and 5/32" bit	5mm hex key
1/2" box wrench	

1.3 Handing the door

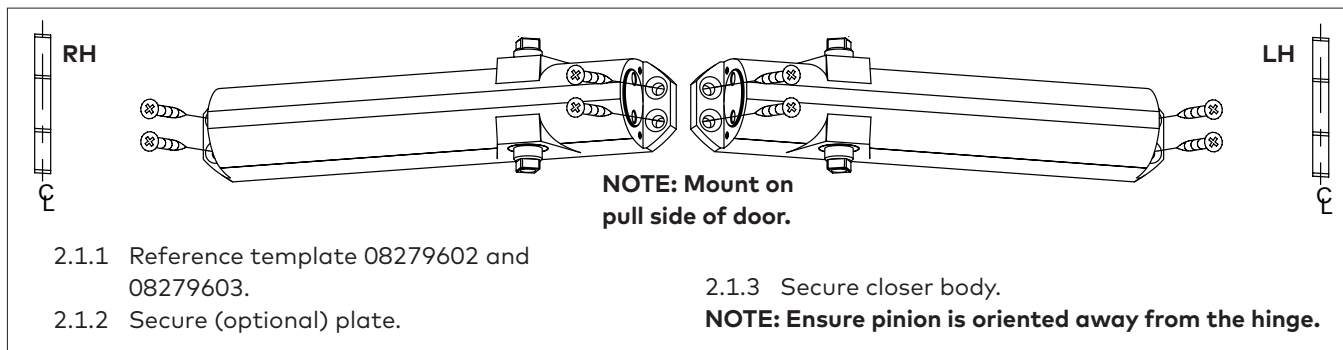
Fig.1



2 Instructions - track mount

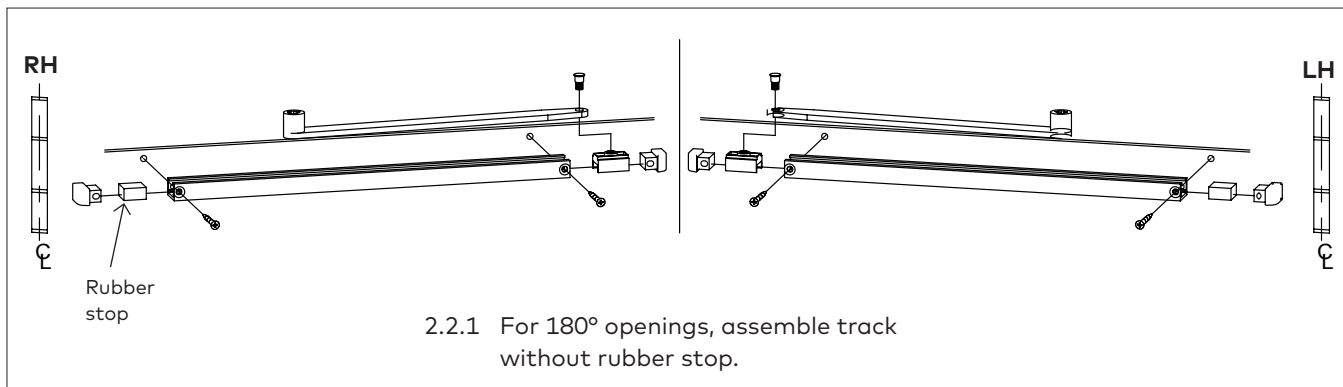
2.1 Installing (optional) plate and surface closer

Fig.2



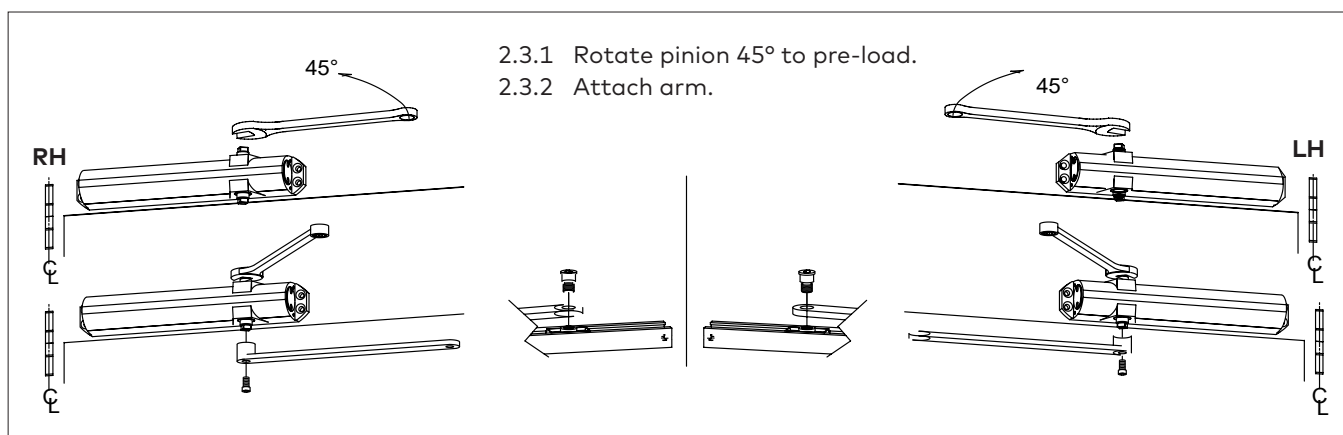
2.2 Assemble and secure track

Fig.3



2.3 Securing main arm to closer

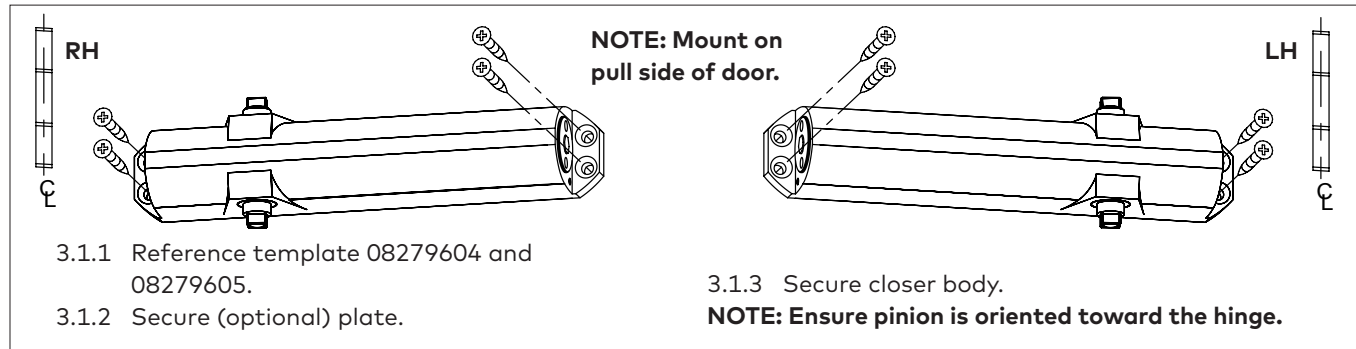
Fig.4



3 Instructions - jamb track mount

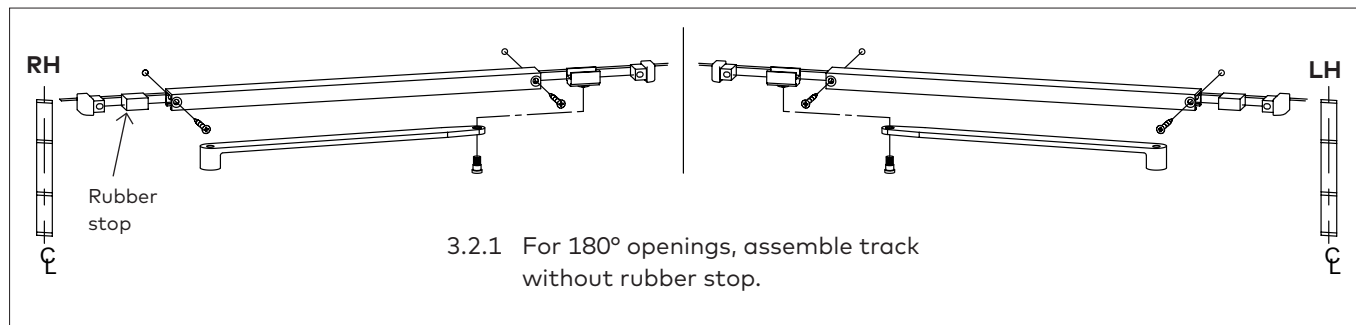
3.1 Installing (optional) plate and surface closer

Fig.5



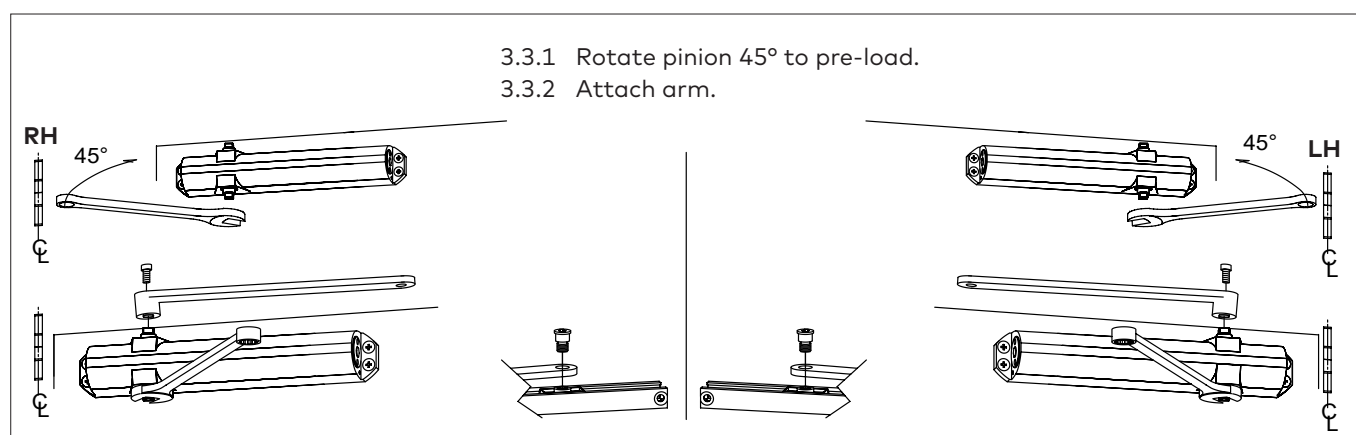
3.2 Assemble and secure track

Fig.6



3.3 Securing main arm to closer

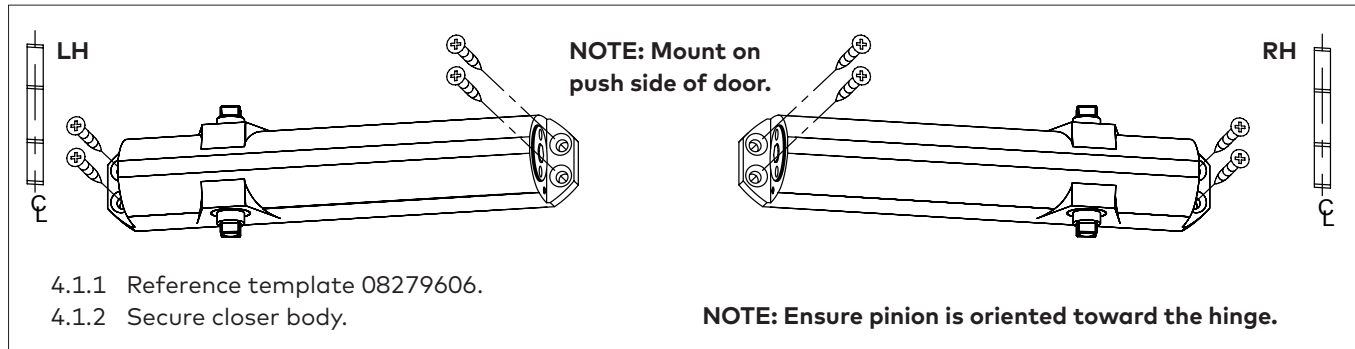
Fig.7



4 Instructions - flush transom mount

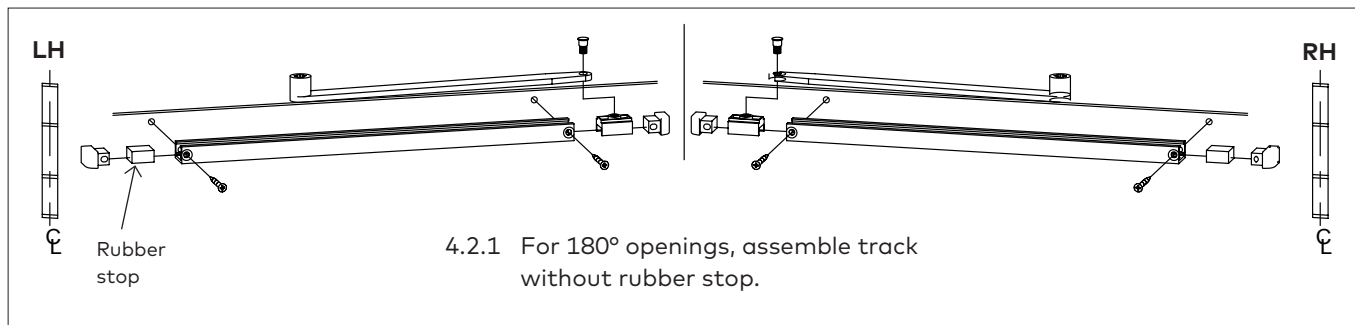
4.1 Installing surface closer

Fig.8



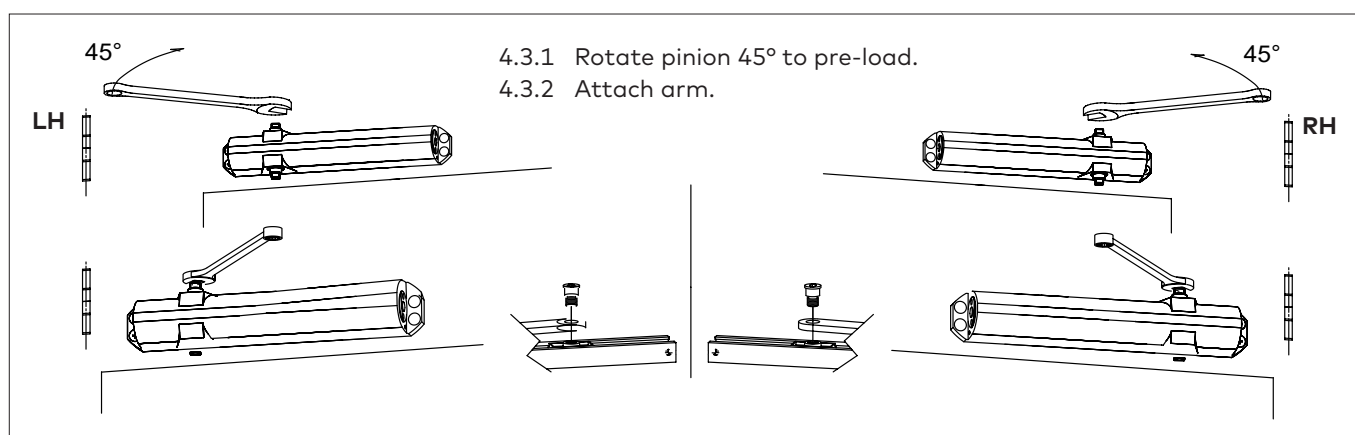
4.2 Assemble and secure track

Fig.9



4.3 Securing main arm to closer

Fig.10



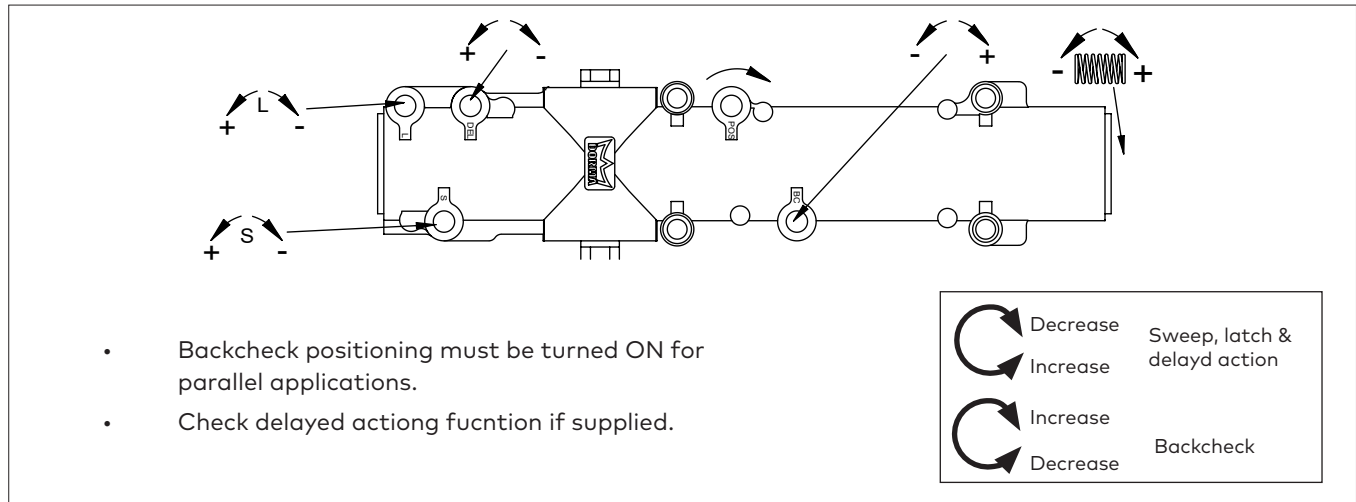
5 Adjustments

- ⚠ Confirm closer spring size prior to making any closing speed adjustments.
- ⚠ Do not back valve heads out beyond closer casting.

- ⚠ Maximum opening angle is 180°.
- ⚠ Door should close in 3 to 6 seconds from 90°.
- ⚠ Do not close valves completely.

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

Fig.11



5.1.1 Adjust **closing sweep speed**: 90° to start of latch speed.

- Increase sweep speed: Turn valve counter-clockwise
- Decrease sweep speed: Turn valve clockwise.

5.1.2 Adjust **closing latch speed**: 15° to close.

- Increase latch speed: Turn valve counter-clockwise

5.1.3 Adjust **opening backcheck**: beginning at 65°.

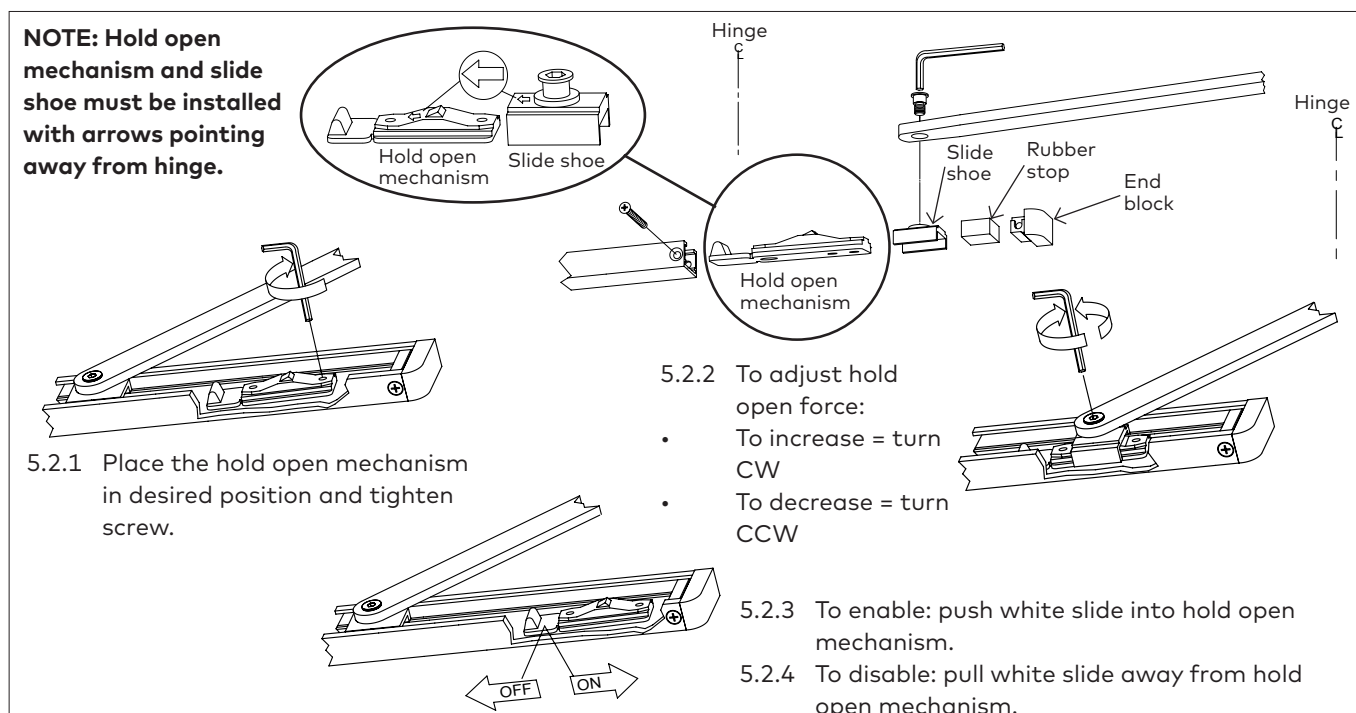
- Increase resistance: Turn valve clockwise
- Decrease resistance: Turn valve counter-clockwise.

5.1.4 Adjust **closing delayed action**: angle 180° to start of sweep.

- Increase delayed action: Turn valve clockwise
- Decrease delayed action: Turn valve counter-clockwise

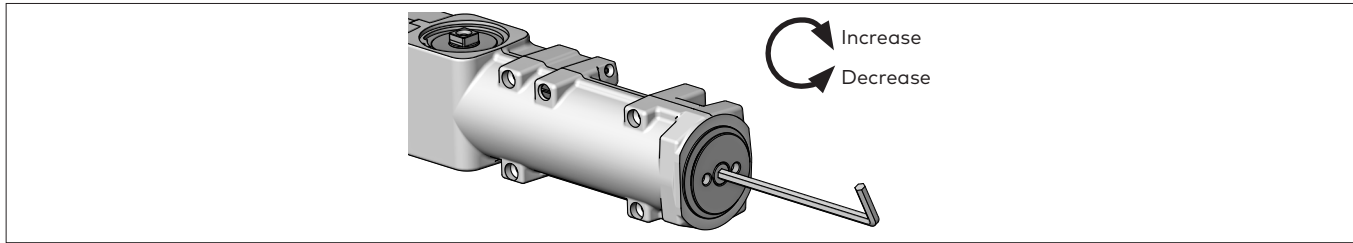
5.2 Adjust hold open (optional)

Fig.12



5.3 Adjust spring force

Fig.13



Track mount				
	Closer size	Max door weight (lbs)	Door width	Full turns
			Interior	
	4	100	2'-6"	0
	5	125	3'	+5
	6	150	3'-6"	+13

6 Install covers

Fig.14

