

HD7000 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

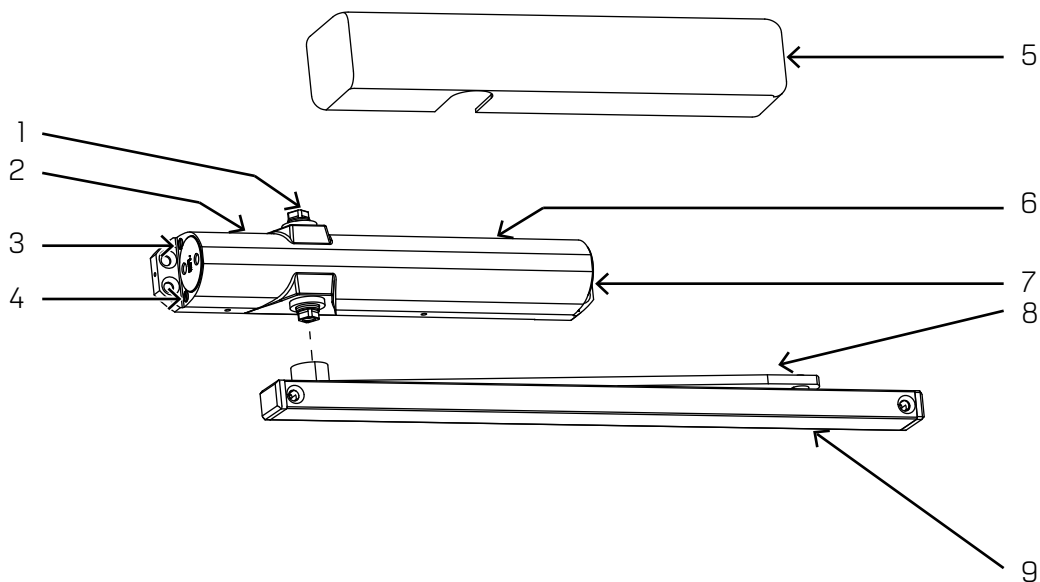


dormakaba Group

OVERVIEW

Surface closer components

(T/TH and FT/FTH image shown below.)



1 Pinion

2 Delayed action adjustment

3 Latch speed adjustment

4 Closing/sweep speed adjustment

5 Full cover (standard)

6 Closer body

7 Backcheck adjustment

8 Track arm

9 Track channel

10 Backplate
(optional, not shown)

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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° for T and T/H.
Maximum door opening degree is 175° for JT and JTH.
Maximum door opening degree is 140° for FT and FTH.



Arrow on backplate points upward.



Maximum door opening degree is 80°- 160° for T and T/H.
Maximum door opening degree is 80-145° for JT and JTH.
Maximum door opening degree is 80-125° for FT and FTH.



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.

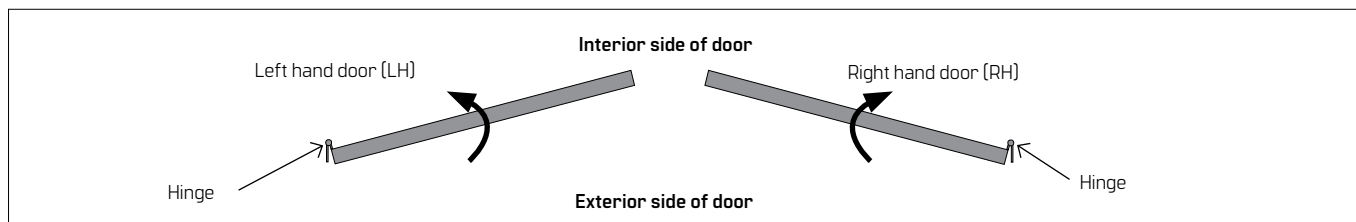
1.2 Tools recommended

Table 1

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

1.3 Handing the door

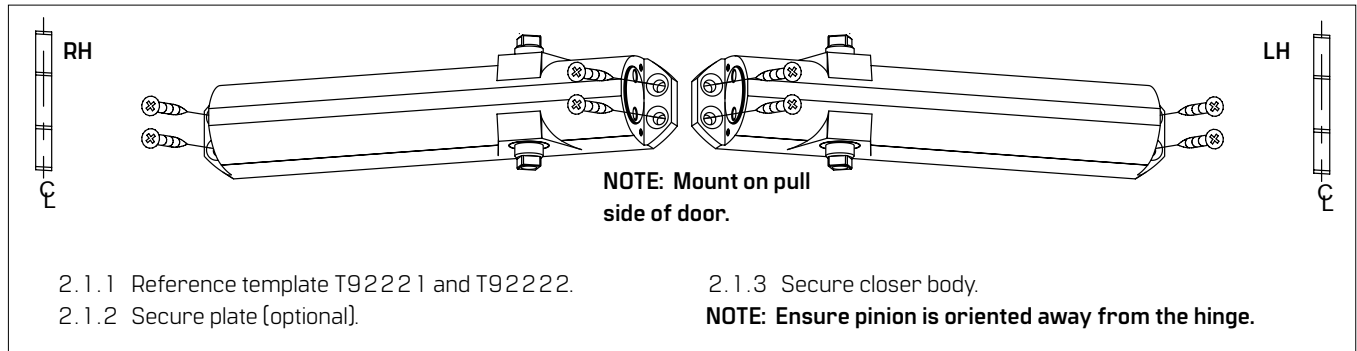
Fig. 1



2 Instructions - track mount (T)

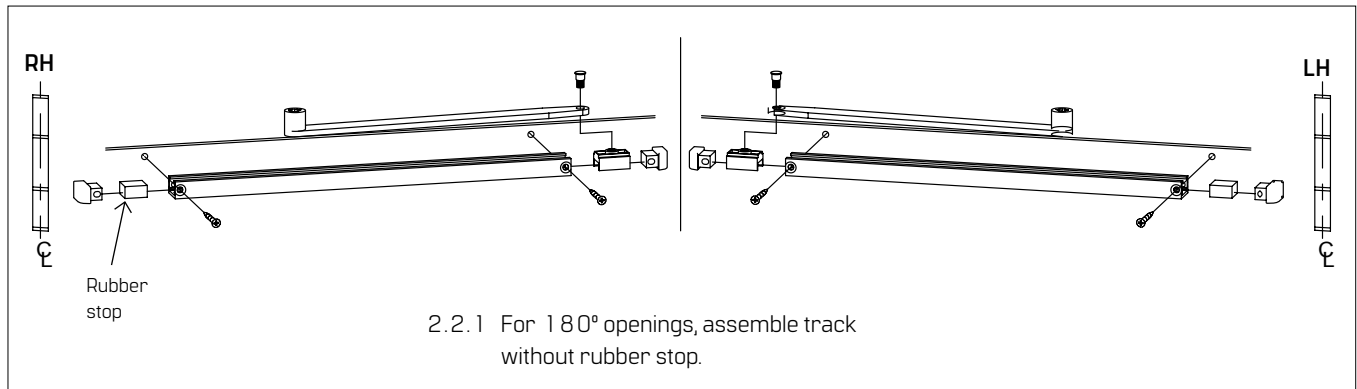
2.1 Installing plate (optional) and surface closer

Fig.2



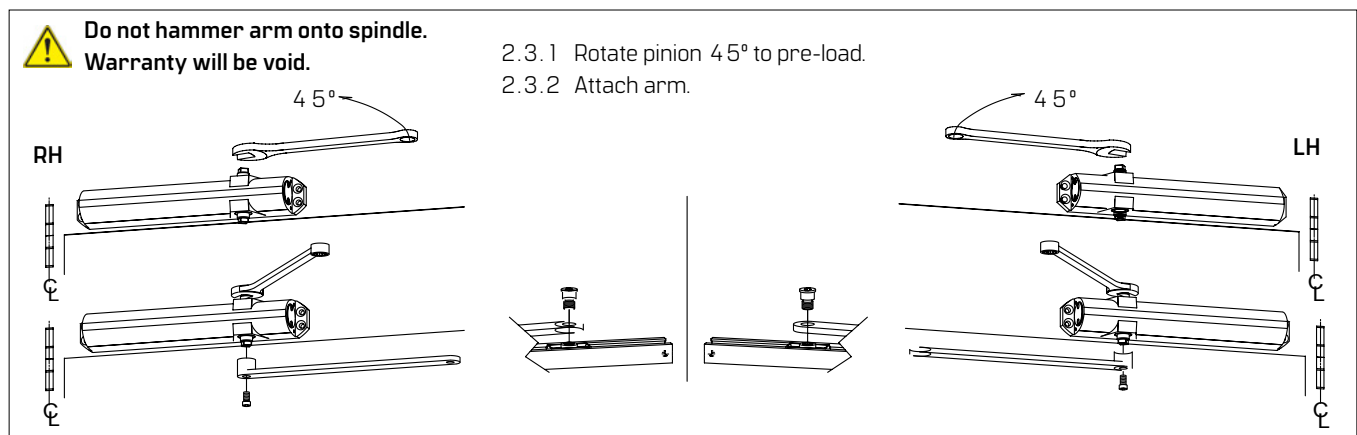
2.2 Assemble and secure track

Fig.3



2.3 Securing main arm to closer

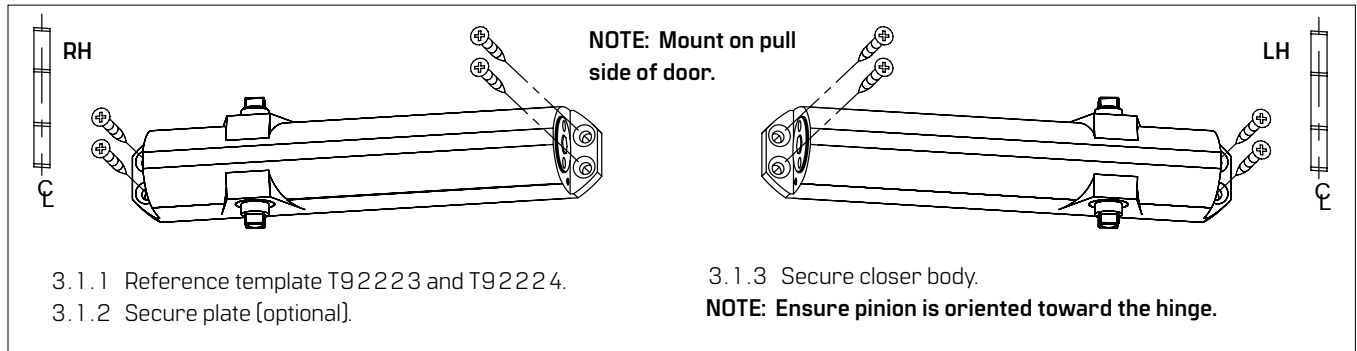
Fig.4



3 Instructions - jamb track mount (JT)

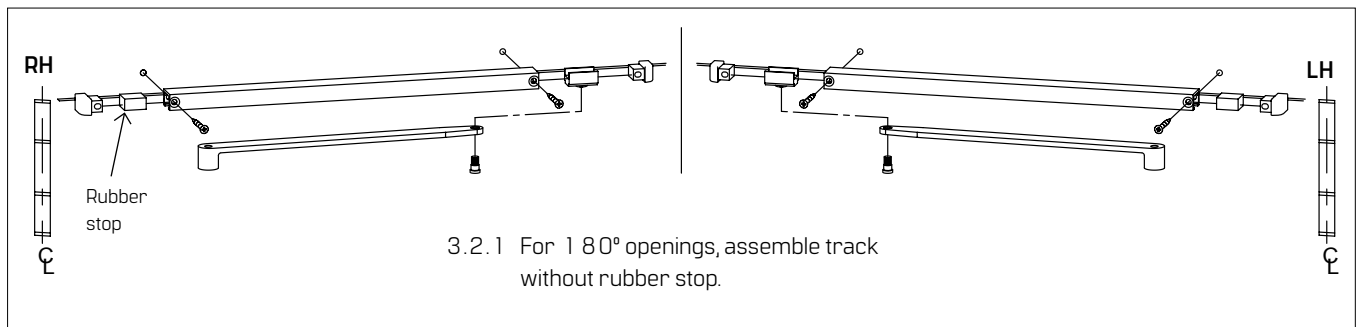
3.1 Installing plate (optional) and surface closer

Fig.5



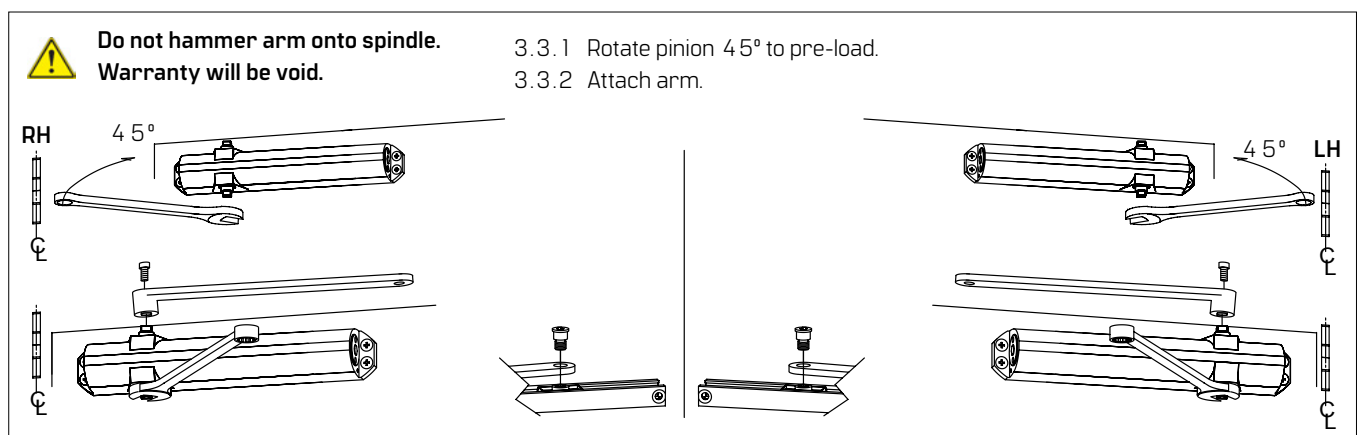
3.2 Assemble and secure track

Fig.6



3.3 Securing main arm to closer

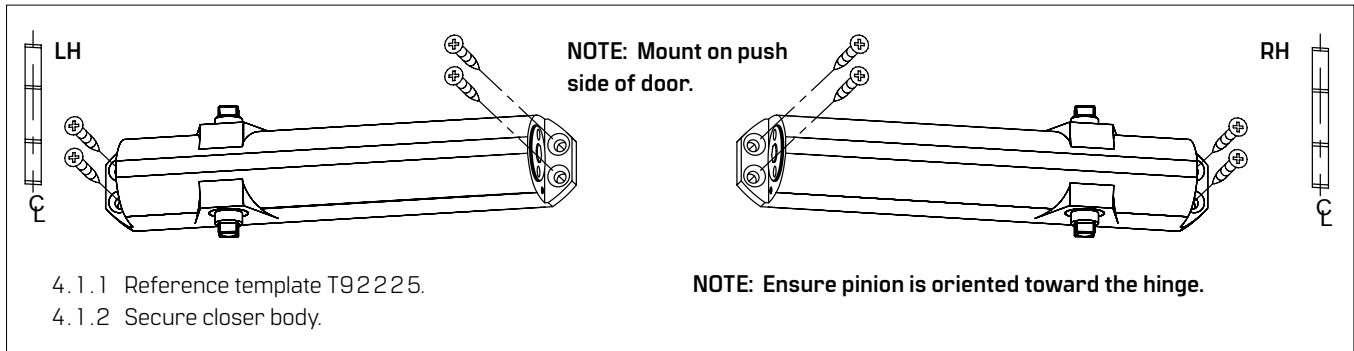
Fig.7



4 Instructions - flush transom mount (FT)

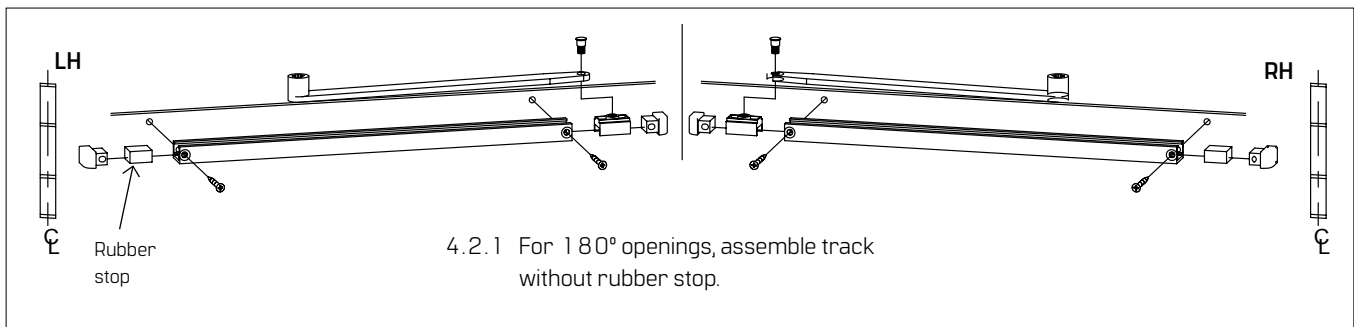
4.1 Installing surface closer

Fig.8



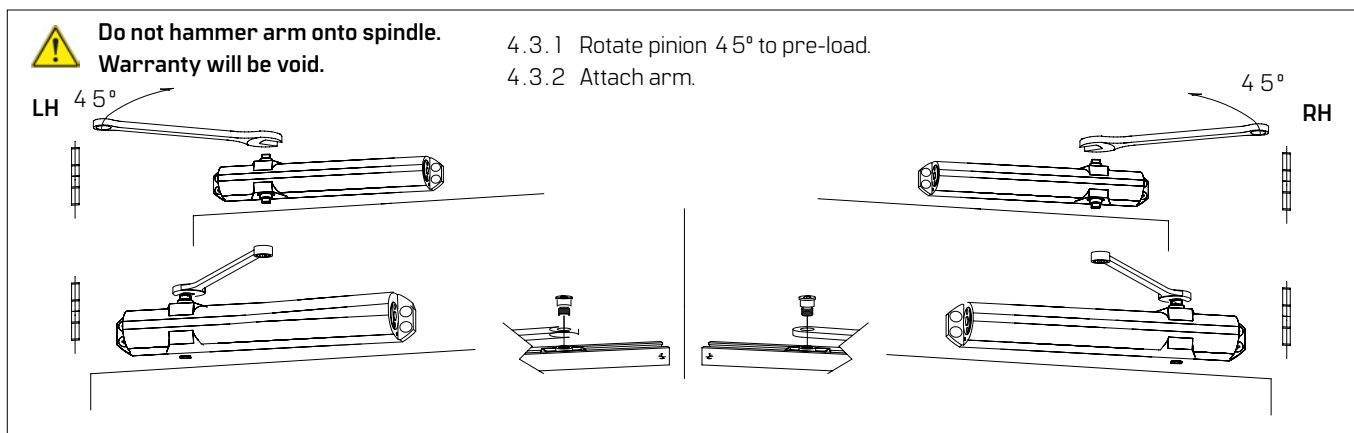
4.2 Assemble and secure track

Fig.9










4.3 Securing main arm to closer

Fig.10



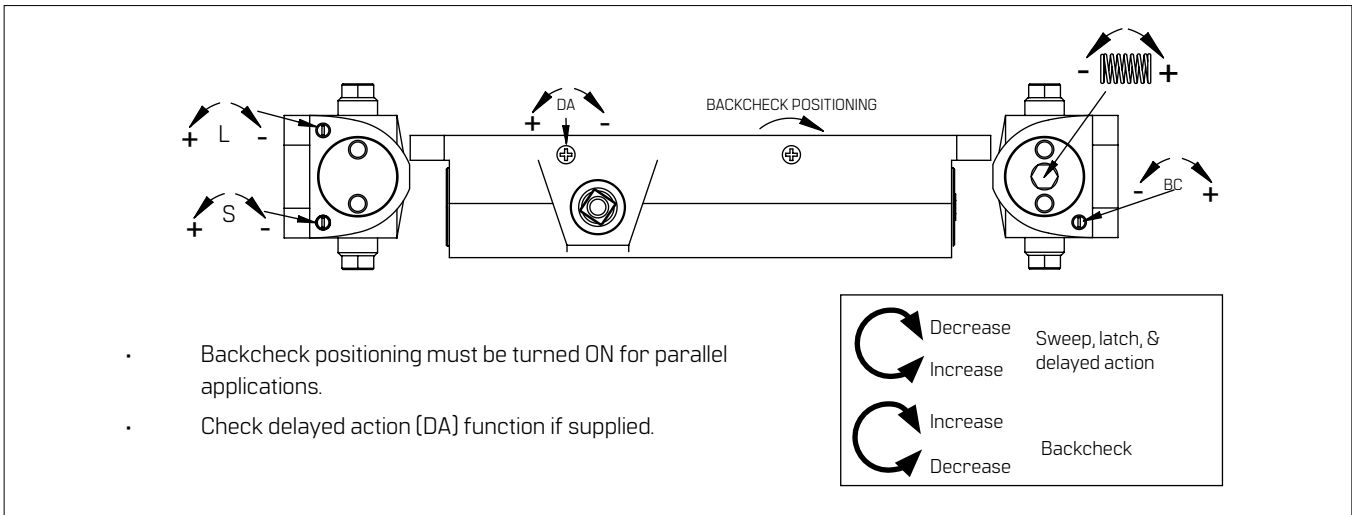
5 Adjustments

-  Confirm closer spring size prior to making any closing speed adjustments.
-  Do not back valve heads out beyond closer casting.
-  Door should close in 3 to 6 seconds from 90°.

-  Maximum door opening degree is 180° for T and T/H.
-  Maximum door opening degree is 175° for JT and JTH.
-  Maximum door opening degree is 140° for FT and FTH.
-  Do not close valves completely.

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

Fig.1 1

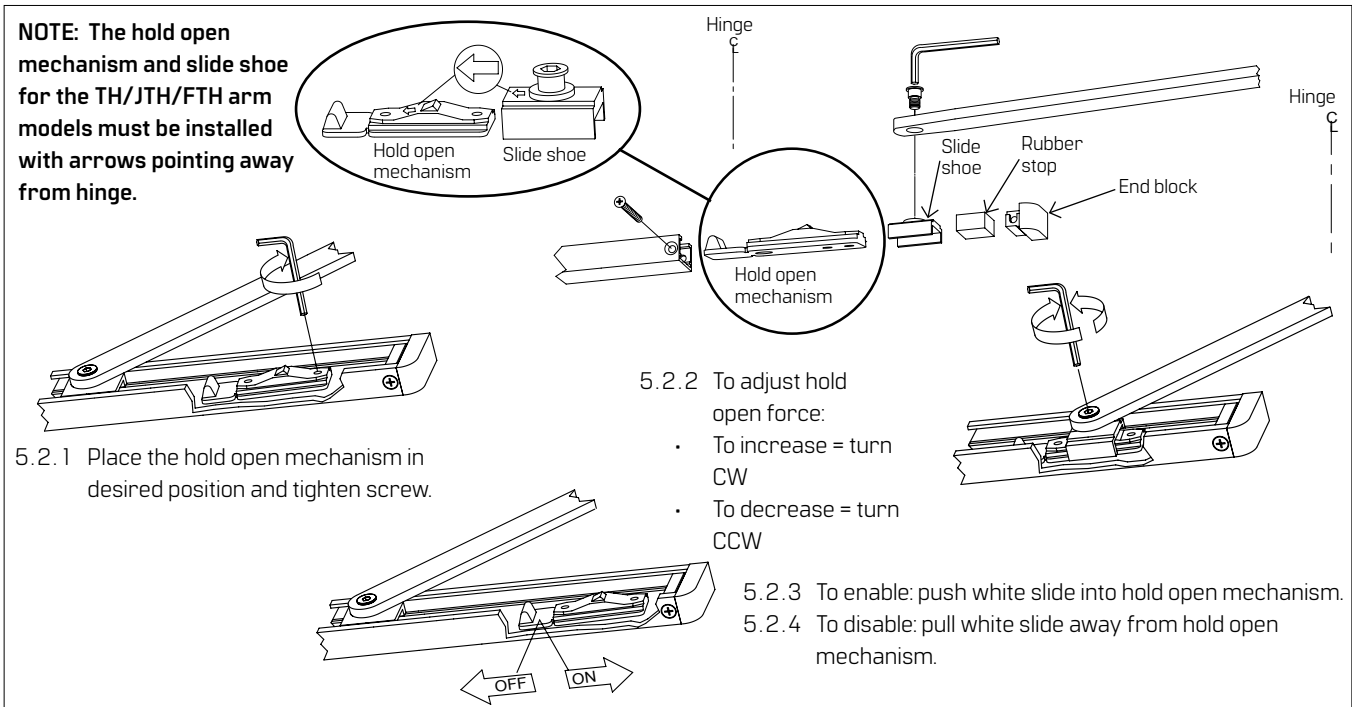


- 5.1.1 Adjust **closing sweep speed**: 90° to start of latch speed.
 - Increase sweep speed: Turn valve counter-clockwise.
 - Decrease sweep speed: Turn valve clockwise.
- 5.1.2 Adjust **closing latch speed**: 15° to close.
 - Increase latch speed: Turn valve counter-clockwise.

- 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.

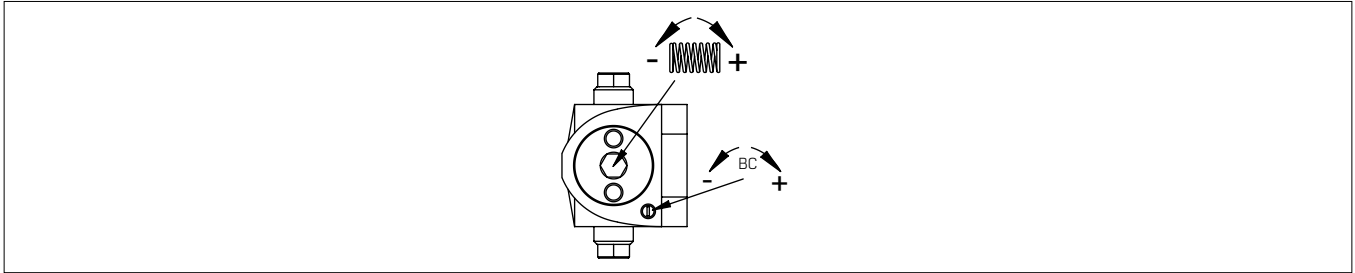
5.2 Adjust hold open (optional)

Fig.1 2



5.3 Adjust spring force

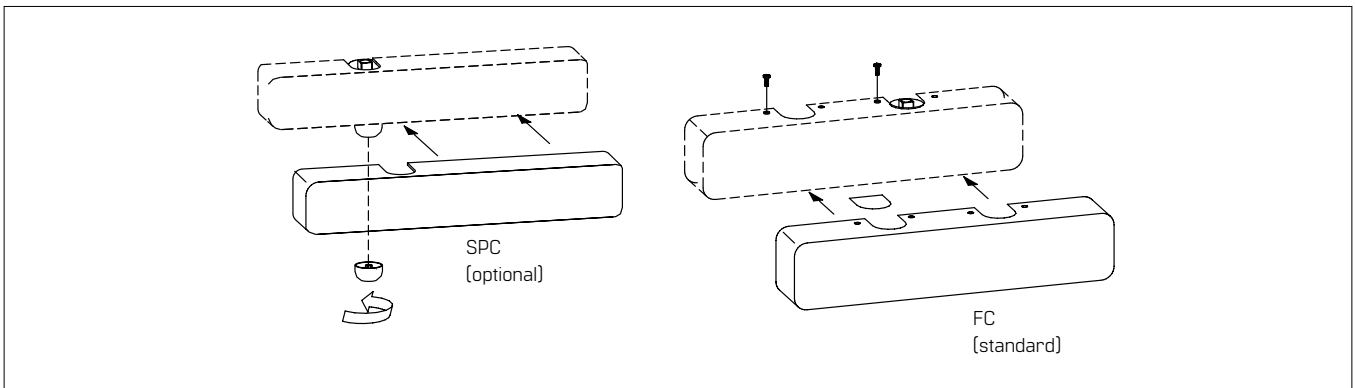
Fig.1 3



Track Mount				
	Closer size	Max door weight (lbs)	Door width	Full turns
			Interior	
HD7016	4	100	2' - 6"	0
	5	125	3'	+5
	6	150	3' - 6"	+13

6 Install covers

Fig.1 4



For 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>