

# 8900 PT/PTH

Track installation push side mount and  
backplate (BP89) (track on frame)

## Installation instructions

08279731 – 09-2019

| EN |

dormakaba 

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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.

 Arrow on backplate points upward.

 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.

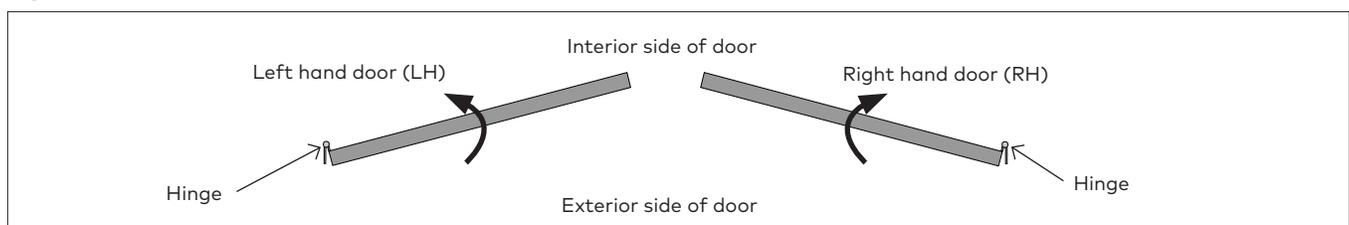
## 1.2 Tools recommended

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 backplate and surface closer

Fig.2

BP89  
RH LH

RH LH  
Pinion

2.1.1 Reference template 08279732 and 08279733.  
2.1.2 Secure backplate. Arrow points upward.

2.1.3 Secure closer body.  
**NOTE: Ensure pinion is oriented away from hinge.**

## 2.2 Assemble and secure track

Fig.3

2.2.1 Attach arm to slide shoe using screw supplied.  
2.2.2 Tighten securely.  
2.2.3 Insert slide shoe, rubber stop, hold open mechanism (if necessary), and end blocks into track.  
2.2.4 Secure track to door.

**NOTE: PH units only: Hold open mechanism and slide shoe must be installed with arrows pointing AWAY from the door hinges.**

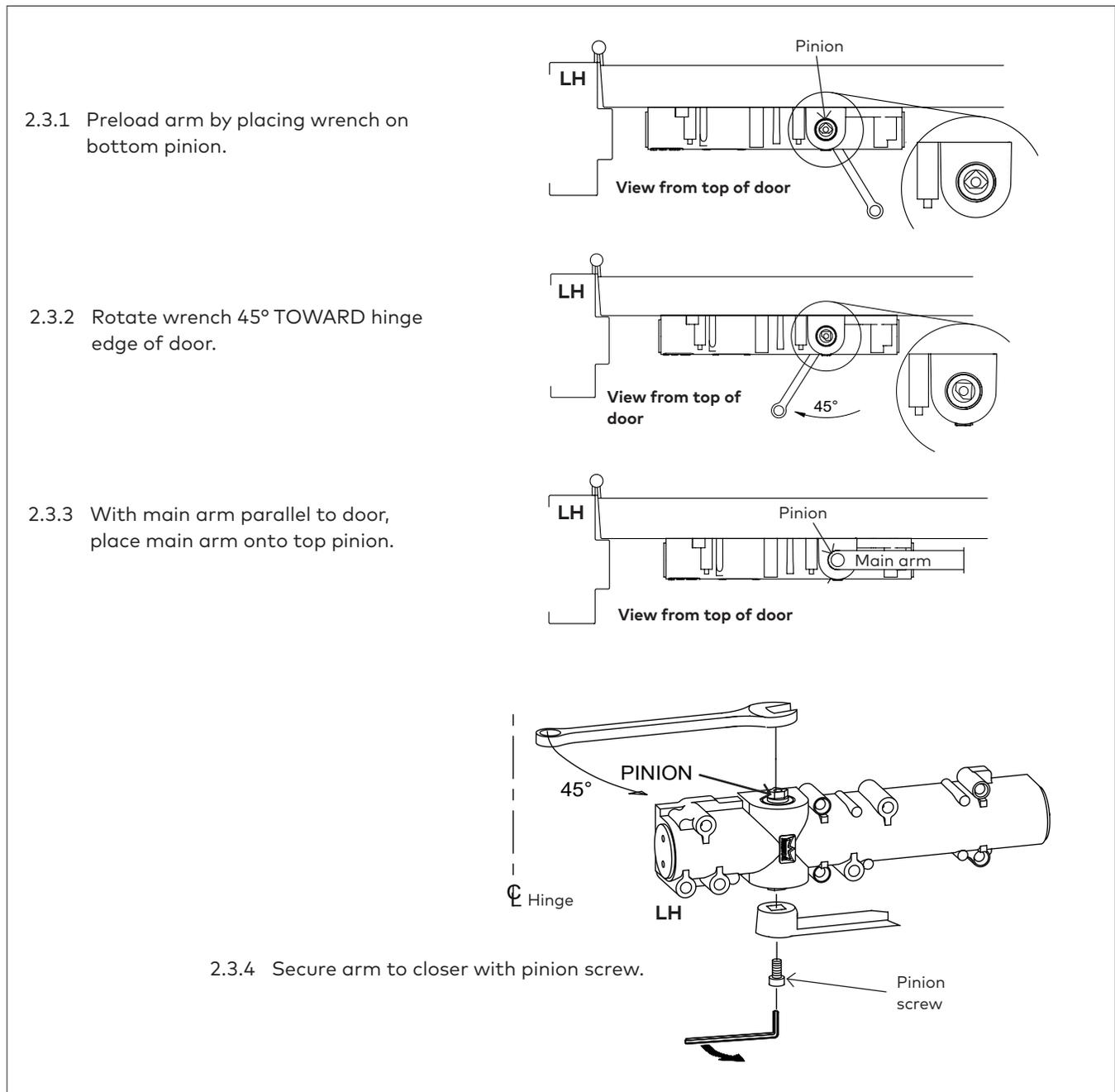
**NOTE: Mounting screws pass through end blocks.**

Rubber stop  
End block  
Hold open mechanism  
Slide shoe  
End block  
Screw

Arrow  
Hold open mechanism

## 2.3 Securing main arm to closer

Fig.4



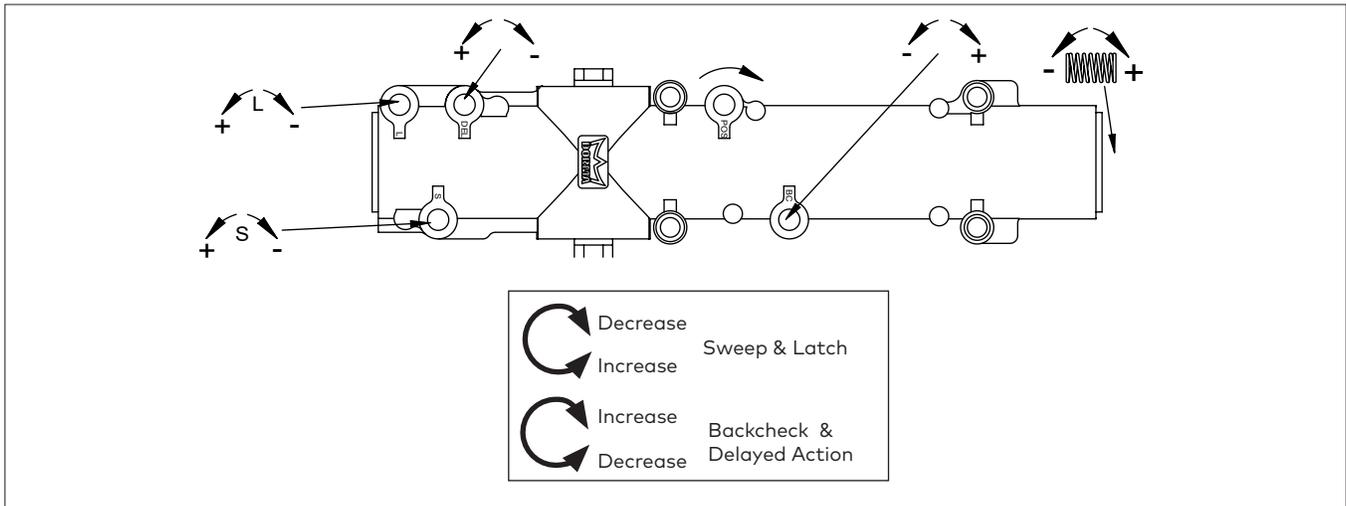
# 3 Adjustments

-  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°.
-  Do not close valves completely.

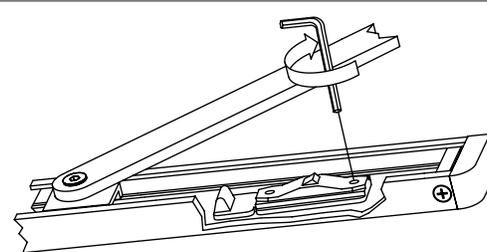
## 3.1 Adjust closing speeds: sweep, latch, backcheck, delayed action

Fig.5

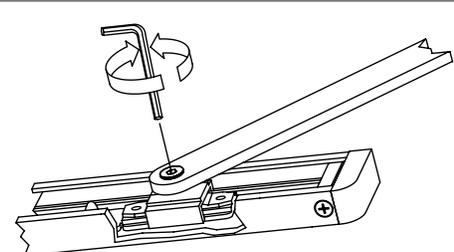


## 3.2 Adjust hold open (optional)

Fig.6

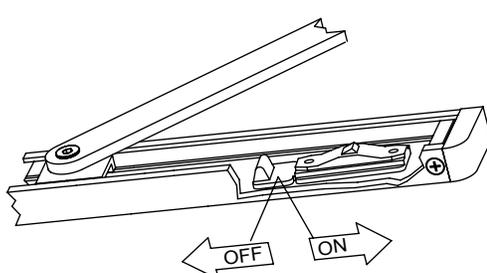


3.2.1 Place the hold open mechanism in desired position and tighten screw.



3.2.2 To adjust hold open force:

- To increase = turn CW
- To decrease = turn CCW

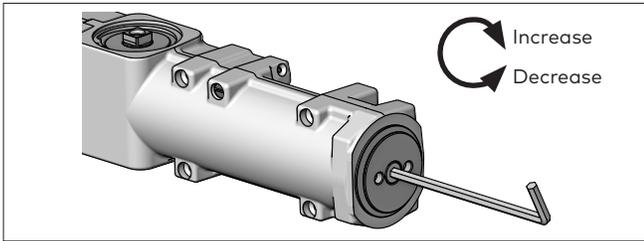


3.2.3 To enable: push white slide into hold open mechanism.

3.2.4 To disable: pull white slide away from hold open mechanism.

### 3.3 Adjust spring force

Fig.7



**8916 - supplied with a size 3**  
**8956 - supplied with a size 6**

**8916 ONLY - Barrier free openings:** Take an opening force reading from the pull on the door. If required, adjust the spring force to meet the barrier-free requirement.

- **Decrease force:** turn counter-clockwise; 8 turns max.
- **Increase force:** turn clockwise; 14 turns max.

Depending on opening conditions, a door adjusted to meet barrier-free forces may not have sufficient power to reliably close and latch the door.

Track mount				
	Closer size	Max door weight (lbs)	Door width	Full turns
			Interior	
8916	4	125	2'-6"	0
	5	150	3'	+8
	6	200	3'-6"	+16
8956	6	200	3'-6"	0
	6+	250	4'	+6

## 4 Install covers

Fig.8

4.1.1 Place tab in cover slot, opposite main arm.

4.1.2 Place cover over closer and fasten securely with screws provided.

