

Description:

TS93 ST PULL SIDE TRACK MOUNT

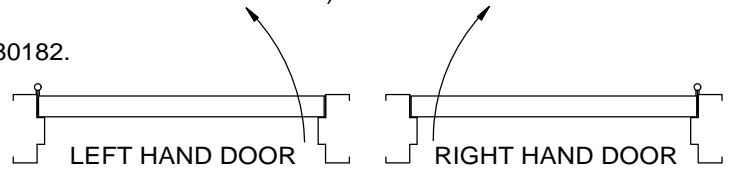


1 (REFERENCE UNIT CARTON LABEL FOR ACCESSORIES AND OPTIONS SUPPLIED)

Determine hand of door and degree of deadstop required.

Prepare door and frame for fasteners according to template 08280182.

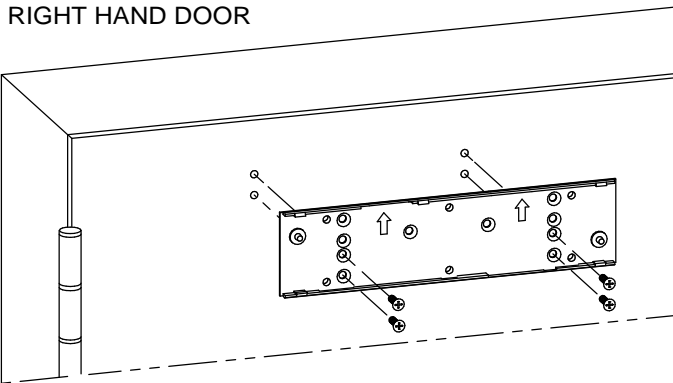
CAUTION: SEX NUTS ARE REQUIRED FOR ATTACHMENT OF COMPONENTS TO UNREINFORCED DOORS AND TO WOOD OR PLASTIC FACED COMPOSITE TYPE FIRE DOORS, UNLESS AN ALTERNATIVE METHOD IS IDENTIFIED IN THE INDIVIDUAL DOOR MANUFACTURER'S LISTINGS.



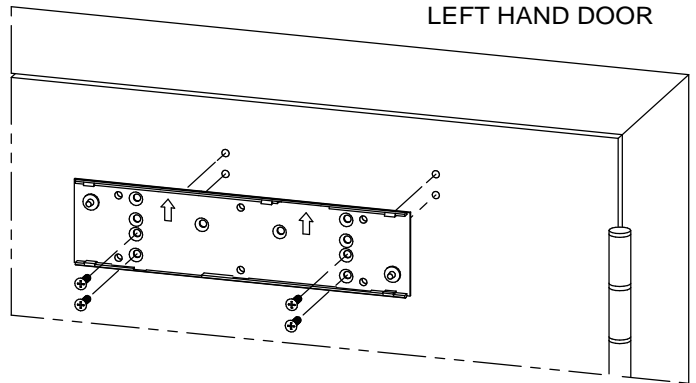
2 Attach mounting plate to door, using lower four holes in plate. Use upper four holes for optional mounting. Arrows on plate face top of door.



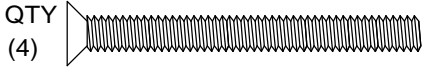
RIGHT HAND DOOR



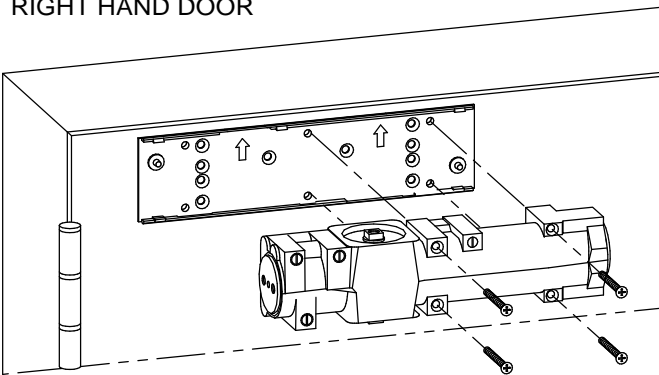
LEFT HAND DOOR



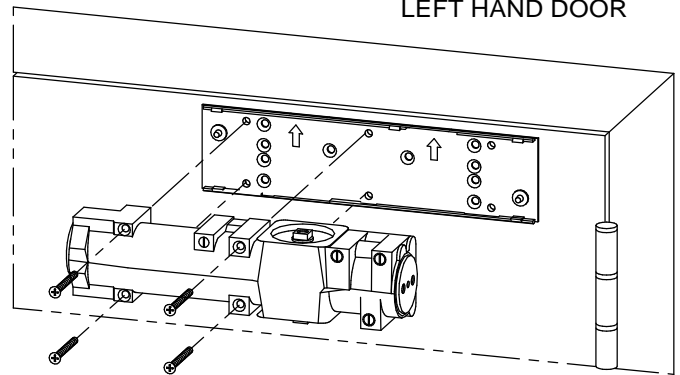
3 Attach closer to mounting plate.



RIGHT HAND DOOR



LEFT HAND DOOR



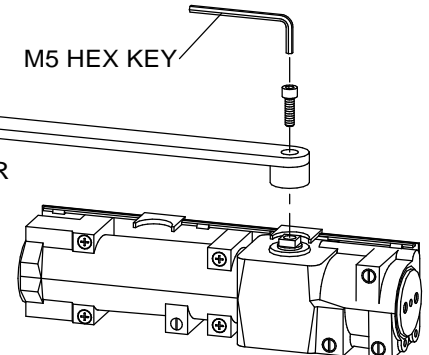
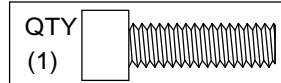
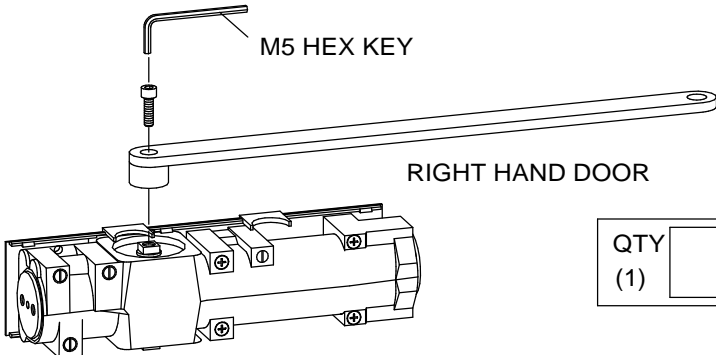
4 Attach arm to pinion of closer, parallel to door.

M5 HEX KEY

M5 HEX KEY

RIGHT HAND DOOR

LEFT HAND DOOR

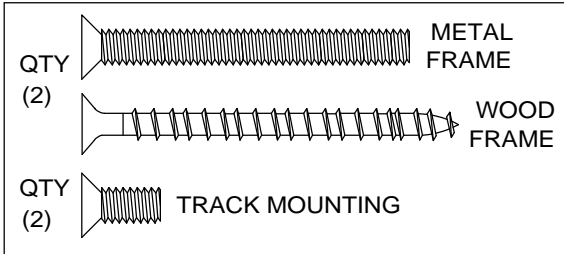
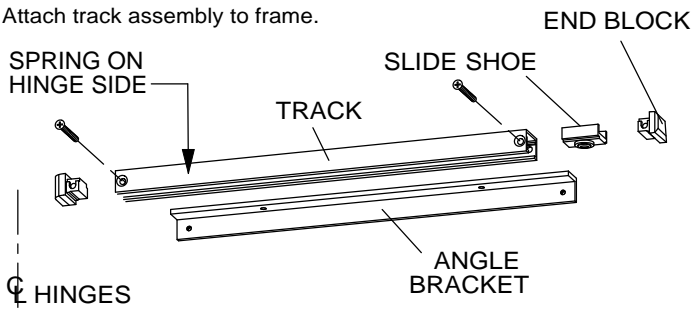


5 Assemble track and attach to frame.

Insert slide shoe and end blocks into track with spring block near the hinge side of door frame.

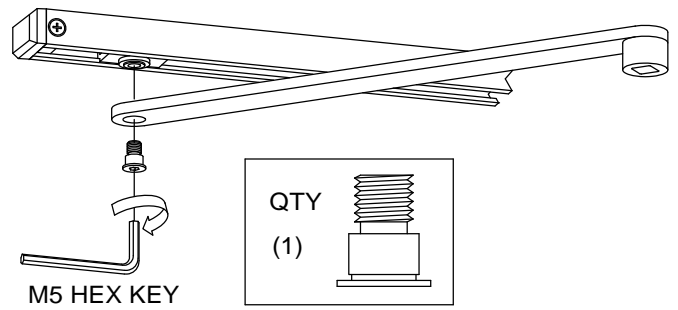
Attach track to angle bracket using track mounting screws.

Attach track assembly to frame.



6 Attach arm to slide shoe.

Align hole in arm with slide shoe in track. Insert screw and tighten securely. Install track cover.



7 Adjust sweep, latch, backcheck and delayed action valves.

CAUTION: DO NOT REMOVE VALVES.

DECREASE (C icon) **INCREASE**

① - SWEEP speed from 70° to 0°

② - LATCH speed from approx. 7° to 0°.-(**INCREASE ONLY**)

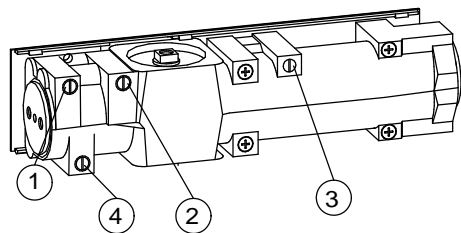
④ - DELAY speed from max opening 180° to 70°

BACKCHECK (INTENSITY)

INCREASE (C icon) **DECREASE**

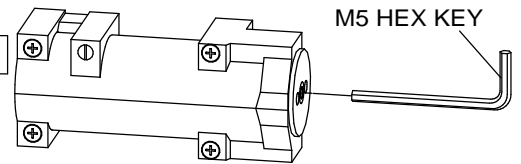
③ - BACKCHECK cushion effect.

CAUTION: DO NOT CLOSE VALVE COMPLETELY.



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Adjust spring tension, if required.

CRITICAL**CAUTION: DO NOT OVERTIGHTEN**

NOTE: TS93-1 supplied with a size 2 spring setting.
 REFERENCE LABEL ON CLOSER FOR MINIMUM/MAXIMUM SETTINGS
 BARRIER-FREE OPENINGS -

Take an opening force reading from the pull on the door. If required, adjust the spring tension to meet the barrier-free requirement. Maximum number of turns counter clockwise=5. Maximum number of turns clockwise =12. Depending on opening conditions, a door adjusted to meet barrier-free forces may not have sufficient power to reliably close and latch the door.

TS93-1	DOOR WIDTH		FULL TURNS OF SPRING ADJUSTER	CLOSER SIZE
	INT.	EXT.		
	2'6"	---	0	2
	3'	2'6"	+3	3
	3'6"	3'	+9	4
	4'	3'6"	+12	5

NOTE: TS93-5 supplied with a size 6 spring setting.
 Maximum number of turns clockwise = 6
 Adjust according to chart.

TS93-5	DOOR WIDTH		FULL TURNS OF SPRING ADJUSTER	CLOSER SIZE
	INT.	EXT.		
	4'	3' 6"	-4	5
	4' 6"	4'	0	6

NON-BARRIER-FREE OPENINGS:

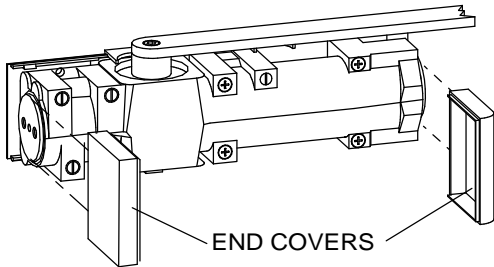
ULC LABELED UNITS "ONLY"

Adjust according to chart.

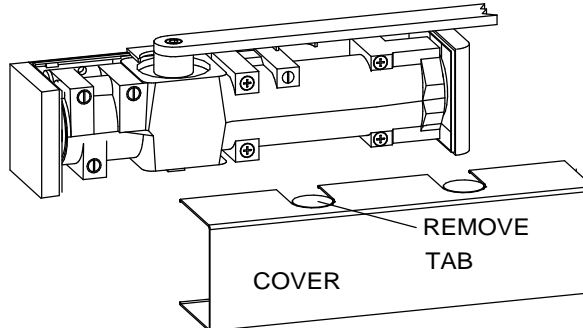
CLOSER TYPE	MAX. DOOR WEIGHT (LBS)	SPRING SIZE	FULL TURNS OF SPRING ADJUSTER
TS93-1	100	2	0
	125	3	+3
	150	4	+9
	200	5	+12
TS93-5	200	5	-4
	250	6	0

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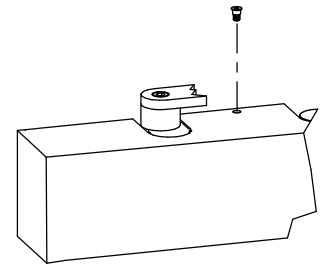
Install cover.



Slide end covers over closer body end caps.



Remove tab that aligns with arm hub. Slide cover onto plate.



Secure with locking screw.