

8916, 8956 SPA SP-6 PARALLEL ARM MOUNT (To clear overhead surface applied stop)



1 (REFERENCE UNIT CARTON FOR ACCESSORIES AND OPTIONS SUPPLIED)

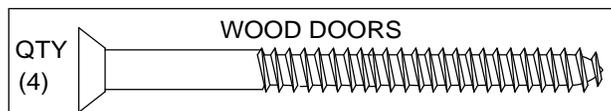
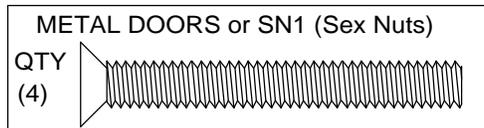
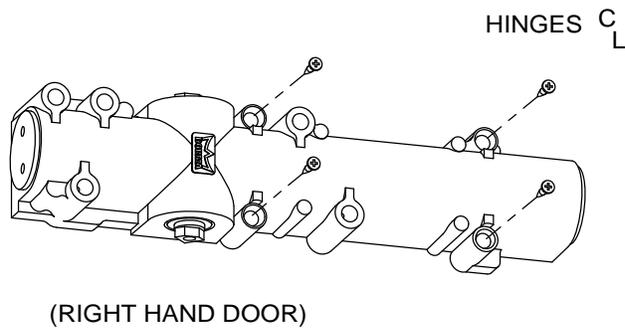
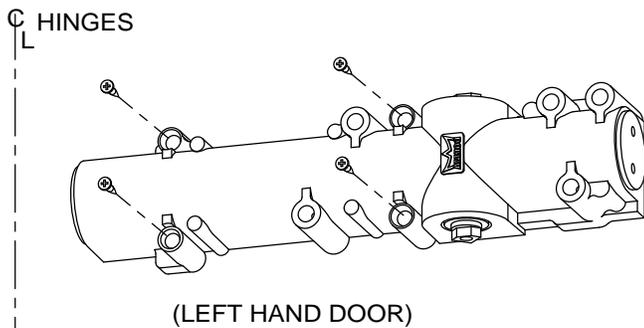
Determine hand of door.

Prepare door and frame utilizing template 08279402.



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 closer to door with spring adjustment facing hinges.



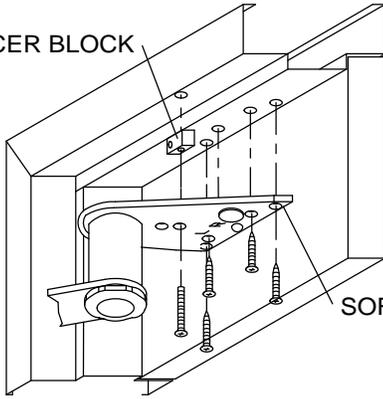
3 Install soffit plate to frame.

NOTE: SPA ARMS ARE FURNISHED WITH A SPACER BLOCK STANDARD. OPTIONAL ACCESSORIES (BSHD) AND (NFHD) MUST BE SPECIFIED WHEN ORDERED.

STANDARD

NOTE: SPACER BLOCK IS TWO DIMENSIONAL FOR 1/2" AND 5/8" STOP HEIGHTS. ROTATE BLOCK ACCORDINGLY.

SPACER BLOCK



SOFFIT PLATE

QTY (4)



QTY (1)

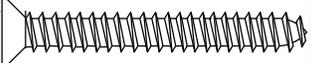


METAL FRAMES

QTY (4)



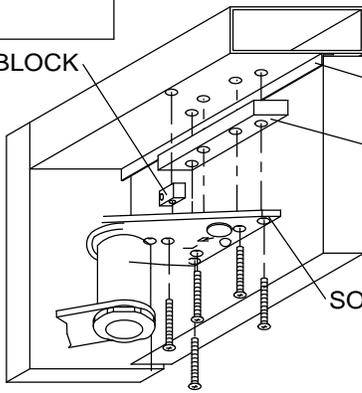
QTY (1)



WOOD FRAMES

OPTIONAL BSHD

SPACER BLOCK



BLADE STOP

NOTE: IF FRAME WIDTH IS 4-1/2" OR LESS, BRACKET (NFHD) SHOULD BE USED.

NOTE: INSTALL SPACER BLOCK USING 1/2" HEIGHT

BSHD

BLADE STOP

SPACER BLOCK

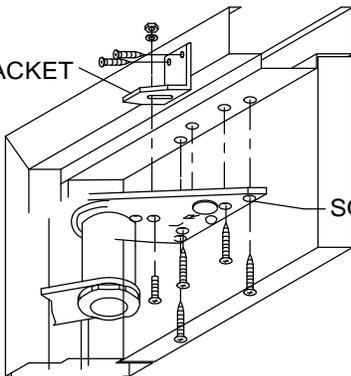
SOFFIT PLATE

QTY (5)



OPTIONAL NFHD

NFHD BRACKET



SOFFIT PLATE

QTY (4)

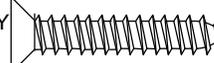


QTY (1)



METAL FRAMES

QTY (4)



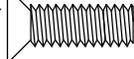
QTY (1)



WOOD FRAMES

(BRACKET TO PLATE)

QTY (1)

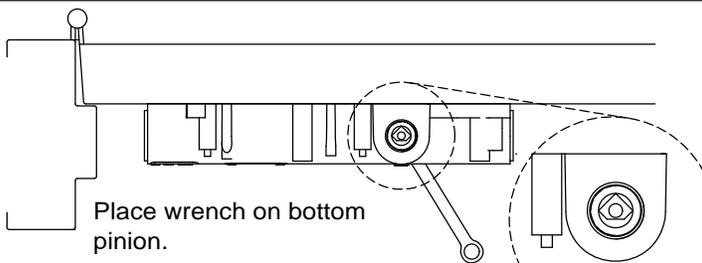


QTY (1)

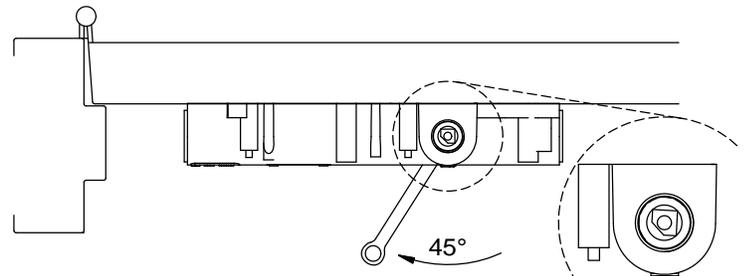


QTY (1)

4 Install main arm



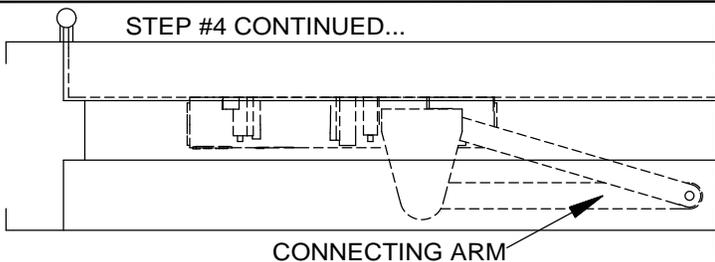
Place wrench on bottom pinion.



45°

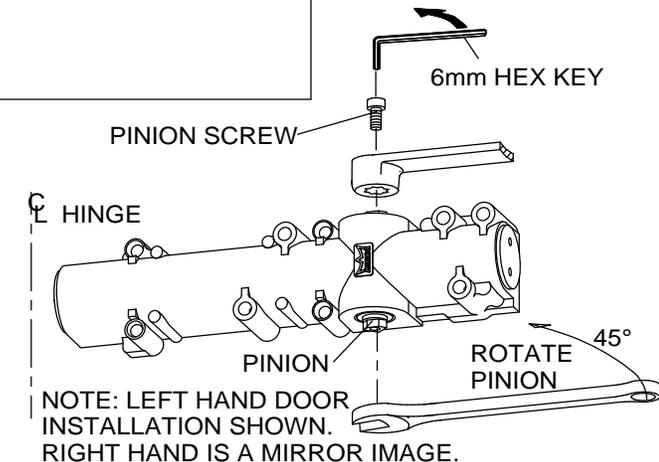
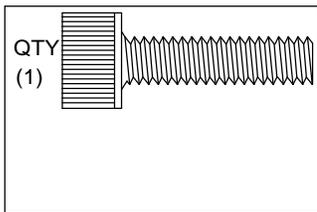
Rotate pinion 45° TOWARD HINGE edge of door.

STEP #4 CONTINUED...



CONNECTING ARM

With connecting arm parallel to door, place main arm onto top pinion. Fasten securely with pinion screw.



NOTE: LEFT HAND DOOR INSTALLATION SHOWN. RIGHT HAND IS A MIRROR IMAGE.

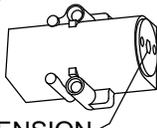
5

Adjust spring tension, if required, using a 1/4" wrench.
NOTE: 8916 supplied with size 4 spring setting.
8956 supplied with size 6 setting.



CRITICAL

SPRING TENSION ADJUSTER



8916 ONLY
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=8. Maximum number of turns clockwise =14. Depending on opening conditions, a door adjusted to meet barrier-free forces may not have sufficient power to reliably close and latch the door.

NON-BARRIER-FREE OPENINGS - Adjust according to chart.

CLOSER TYPE	DOOR WIDTH		FULL TURNS OF SPRING ADJUSTER	SPRING SIZE
	EXTERIOR	INTERIOR		
8916	-	2'-6"	-12	3
	2'-6"	3'-0"	0	4
	3'-0"	3'-6"	+4	5
	3'-6"	4'-0"	+12	6
8956	3'-0"	3'-6"	-6	5
	3'-6"	4'-0"	0	6
	4'-0"	-	+6	6+

ULC LABELED UNITS ONLY

ADJUST SPRING TENSION ACCORDING TO THE FOLLOWING CHART.

CLOSER TYPE	MAX. DOOR WEIGHT	SPRING SIZE	FULL TURNS OF SPRING ADJUSTING NUT
8916	100	3	-12
	125	4	0
	150	5	+4
	200	6	+12
8956	150	5	-6
	200	6	0
	250	6+	+6

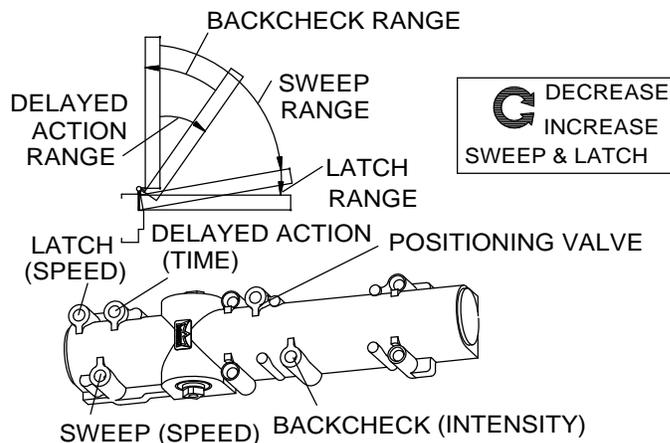
6

Adjust sweep and latch valves.

Closing time from 90° to 15° (sweep range) is generally adjusted to take a minimum of 3 seconds. Closing time from 15° to fully closed (latch range) should take a minimum of 1.5 seconds.

Optional delayed action offers additional closing speed control when extra time is required to pass through the door. All valve adjustments are made with a 3/32" hex key.

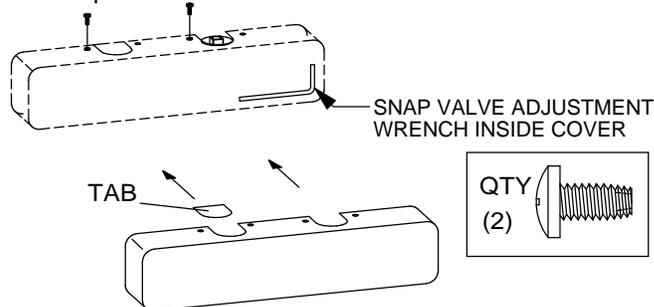
CAUTION: DO NOT REMOVE VALVES.



INCREASE BACKCHECK OR DELAYED ACTION
DECREASE
NOTE: DELAYED ACTION IS AN OPTIONAL FEATURE.

7

Place tab in cover slot opposite main arm. Place cover over closer and fasten securely with screws provided.



NOTE: LEFT HAND INSTALLATION SHOWN. RIGHT HAND IS A MIRROR IMAGE.