

1431 (OD, ODB, HD, HDB) DOUBLE EGRESS PULL SIDE TRACK INSTALLATION INSTRUCTIONS

SARGENT®

ASSA ABLOY

**CAUTION: FAILURE TO INSTALL OR ADJUST PROPERLY
MAY RESULT IN INJURY OR DAMAGE**

For assistance, contact SARGENT at 800-727-5477 or www.sargentlock.com

NOTE: AN AUXILIARY DOOR STOP IS REQUIRED

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A Drill and tap door and frame. See page 4 for dimensions.

RIGHT HAND ILLUSTRATED

Pre-drill - 3/32" holes for self tapping screws or #16 drill for #12-24 tap for machine screws

LEFT HAND DOOR RIGHT HAND DOOR

HINGE SIDE HINGE SIDE

STOP SIDE STOP SIDE

B With provided fasteners, secure closer body to door with power adjustment away from hinge.

Optional mortise nuts with through-bolts

Frame

Door stop

Mortise nut

Drill 3/8" dia. Hole for mortise nut body.

Unreinforced door

Drill 1/4" dia. hole for mounting screws

C 1. Assemble arm to closer with index mark on end of spindle 45° from axis of arm as illustrated below. Use washer and screw to attach arm.

Closer spindle, washer and screw.

Right hand door

Left hand door

Main arm

Index mark on spindle

45°

Position of arm when assembling to spindle

Main arm

Index mark on spindle

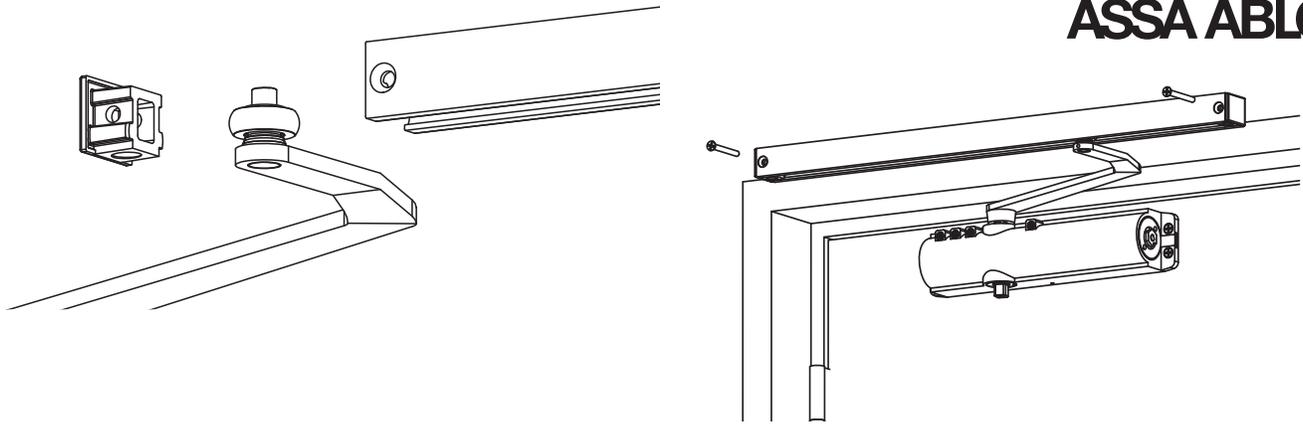
45°

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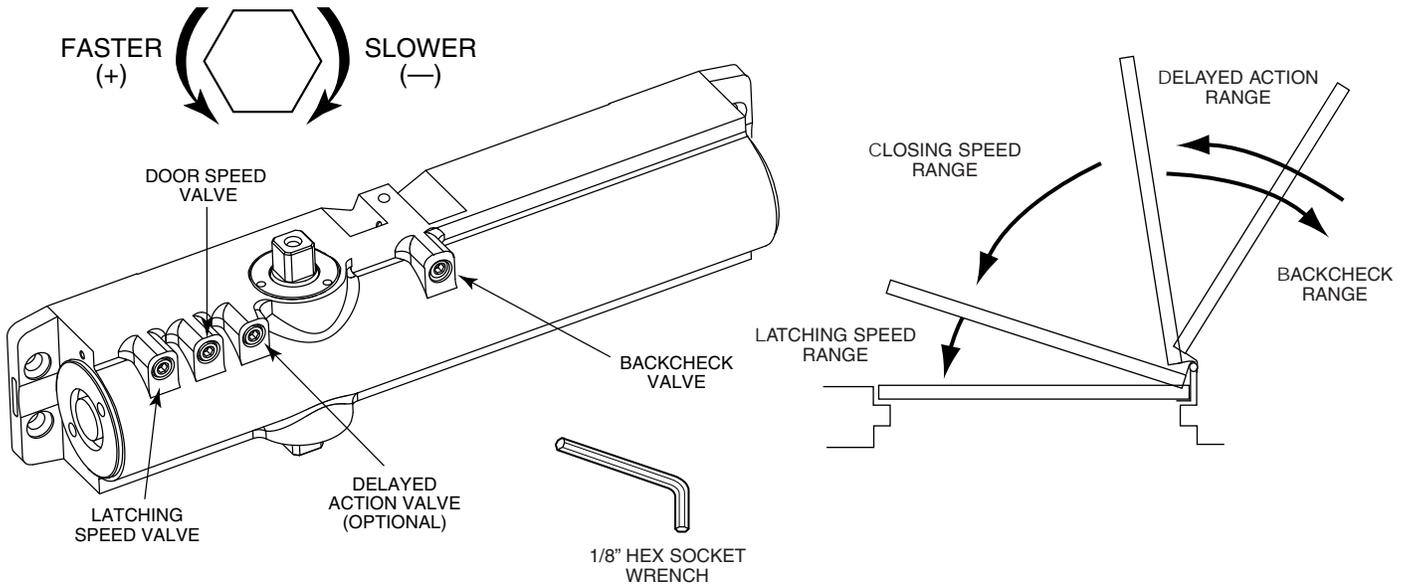
D Slide track over arm roller and install end caps. Secure track to frame with screws provided.

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FINAL ADJUSTMENT AND REGULATING PROCEDURES

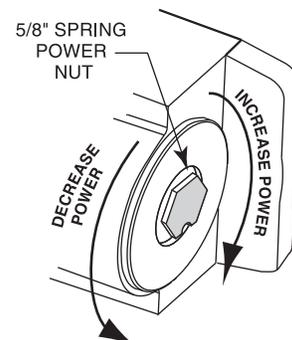
E Regulate door speed, latching speed and backcheck. Recommended closing time greater than 6 seconds. If backcheck is required, adjust for slight cushioning effect. *Auxiliary door stop required. Use 1/8" hex wrench and adjust valves as needed.



*If adjustments are ineffective, check indexing as shown in step 3 and check templating

F Adjust power to minimum required to reliably close and latch door

NUMBER OF TURNS OF SPRING POWER ADJUSTING NUT	
DOOR WIDTH (INCHES)	ADJUSTMENTS
24-30	Turn nut 1-3 ↻
30-36	Factory Set
36-42	Turn nut 1-3 ↻
42-48	4-6



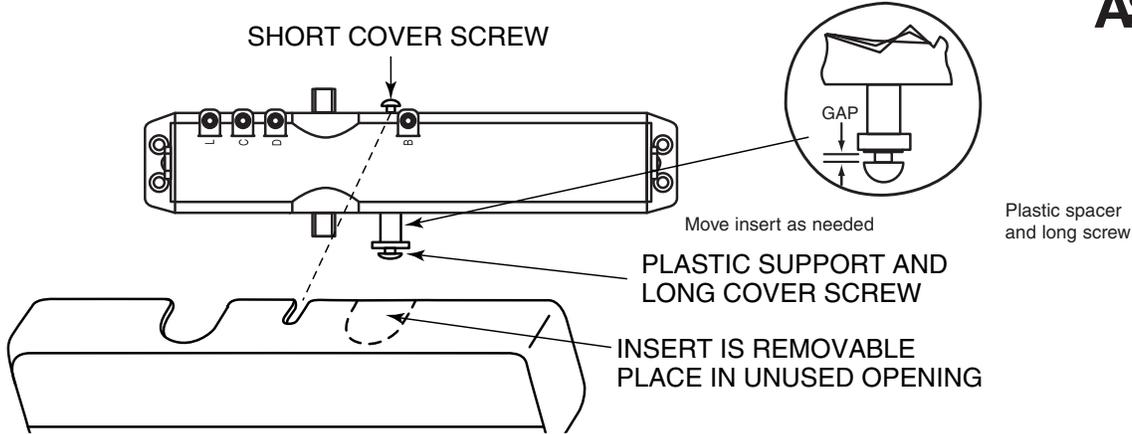
Adjusting door to close due to high draft conditions may exceed ADA standards. Consult local ordinances when fire doors are involved.

FINAL ADJUSTMENT AND REGULATING PROCEDURES

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G Install cover as shown



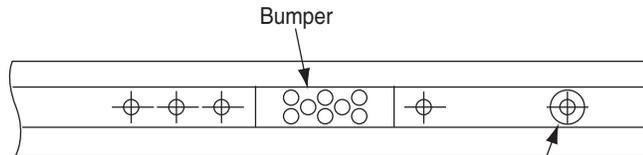
Adjustments for "B" and "H" option

"B" option

Bumper assists backcheck in cushioning the opening for door. It is not intended to replace an auxiliary door stop.

To change bumper stop location: Remove mounting screw and relocate bumper stop at desired position

To change bumper stop location — remove mounting Screw and relocate bumper stop at desired position.

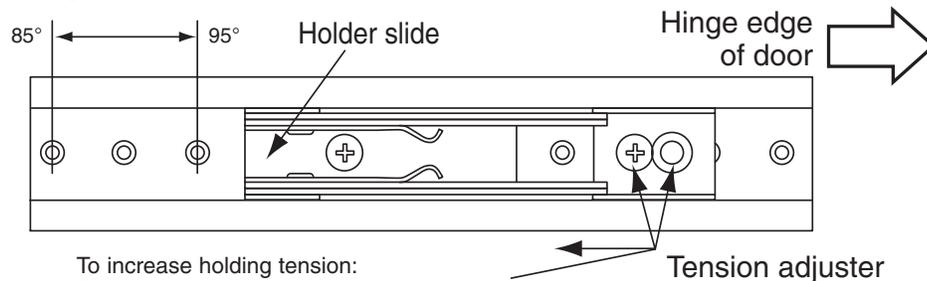


NOTE: To increase degree of Door opening remove stop pin

"H" option

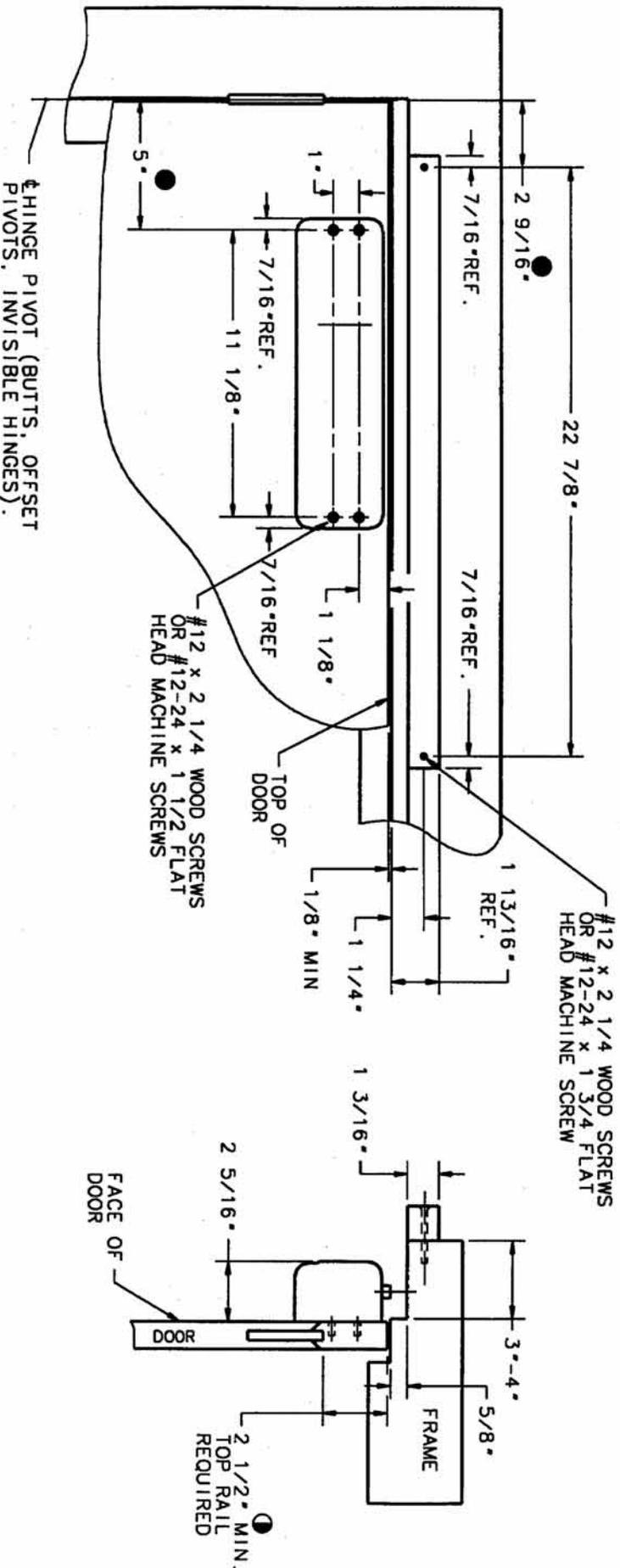
The holder device is set for 95° door holding position at the factory.

Tension is set at the lightest setting.



To increase holding tension: Remove mounting screw and move tension adjuster toward holder slide by using either of the two hole locations. Three positions of tension are possible.

DESCRIPTION	ARM TYPE	MAXIMUM DOOR OPENING RANGE OF		
REGULAR ARM	OD	120°	160°	WITH BUMPER WITHOUT BUMPER
HOLDER ARM	HD	120°	160°	HOLD OPEN
				85° TO 120°



- NOTES:
1. RIGHT HAND DOOR SHOWN, LEFT HAND DOOR OPPOSITE.
 2. 1/2" GAGE MIN. REINFORCEMENT REQUIRED FOR METAL DOORS AND FRAMES.
 3. THIS DIMENSION IS TAKEN FROM HINGE EDGE OF DOOR FOR INVISIBLE HINGERS.
 4. TO OPEN DOOR 120° REMOVE BUMPER STOP.
 5. IF DOOR AND FRAME CONDITION PERMIT.
 6. SPACE REQUIRED TO MOUNT CLOSER ON RAIL. IF SPACE IS LESS THAN SHOWN USE DATA SHEET A7168 FOR DETAILS.

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SARGENT MFG. COMPANY	NEW HAVEN, CONN. 06511
DATA SHEET: 1430 SERIES TRACK TYPE APPLICATION DOUBLE EGRESS APMS (OD/HD)	RELEASE DATE JAN 00
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