

421 CAM ACTION DOOR CLOSER (PCTB & PCHTB) PUSH SIDE TRACK APPLICATION INSTALLATION INSTRUCTIONS

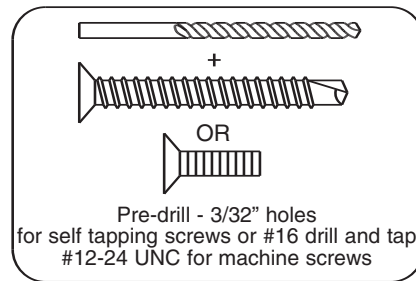
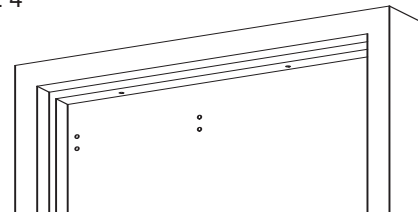
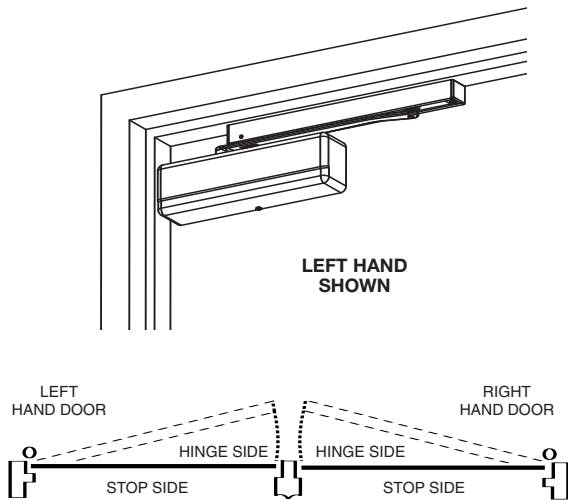


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ASSA ABLOY

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

A

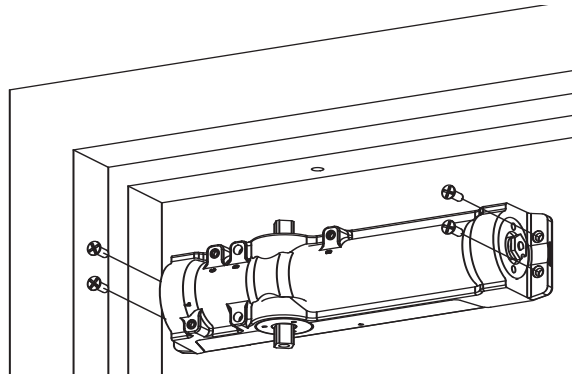
MEASURE & MARK HOLES. PREP HOLES USING DIMENSIONS ON PAGE 4



B

WITH PROVIDED FASTENERS, SECURE CLOSER BODY TO DOOR WITH POWER ADJUSTMENT FACING AWAY FROM HINGE SIDE OF DOOR.

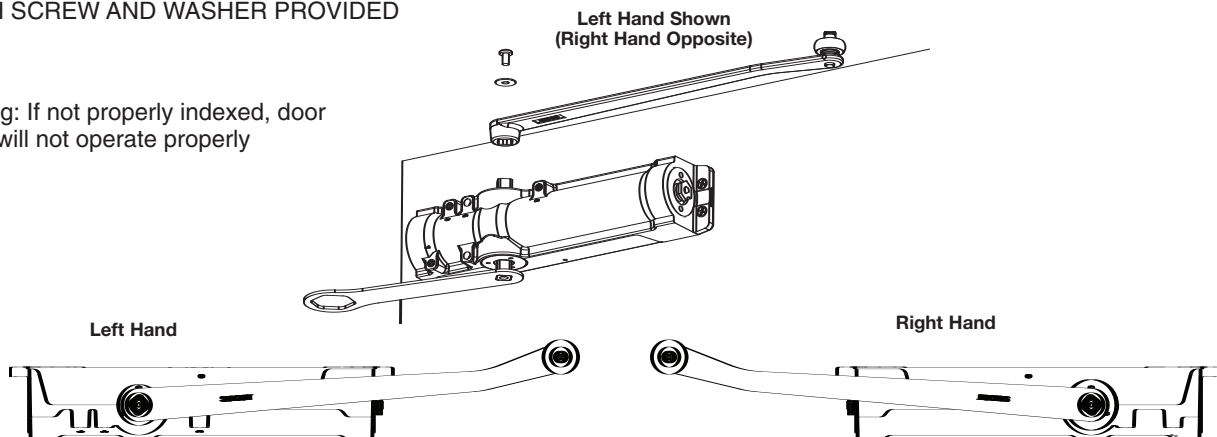
When using mortise nuts, see accessories on page 3



C

WITH A WRENCH, ROTATE THE BOTTOM SPINDLE TOWARD HINGE APPROXIMATELY 15°. SECURE ARM TO SPINDLE WITH SCREW AND WASHER PROVIDED

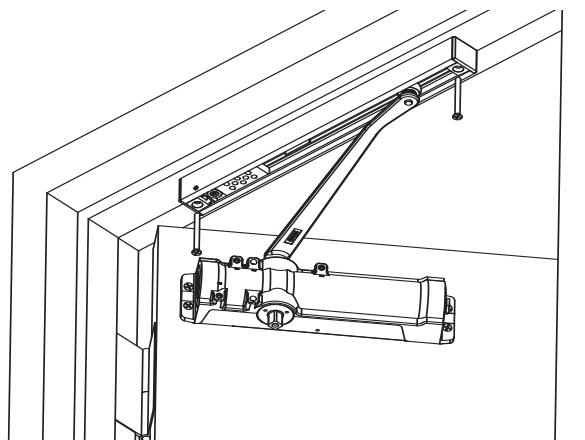
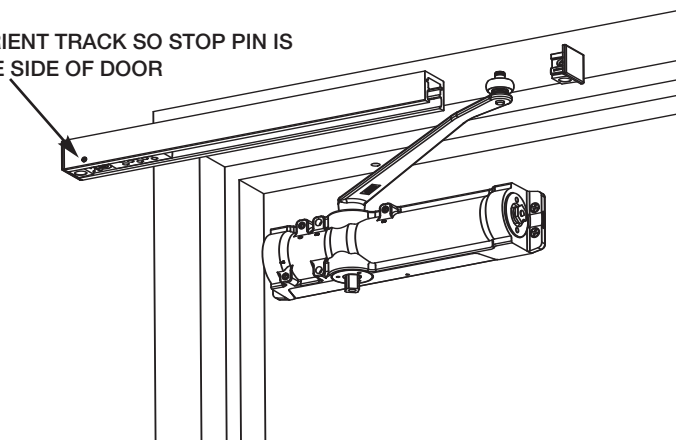
Warning: If not properly indexed, door closer will not operate properly



D

SLIDE TRACK OVER ROLLER AND INSTALL END CAPS. SECURE TRACK TO FRAME WITH SCREWS PROVIDED.

NOTE: ORIENT TRACK SO STOP PIN IS ON HINGE SIDE OF DOOR



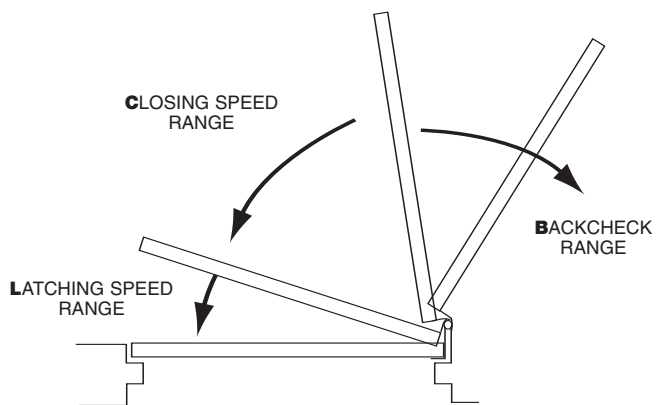
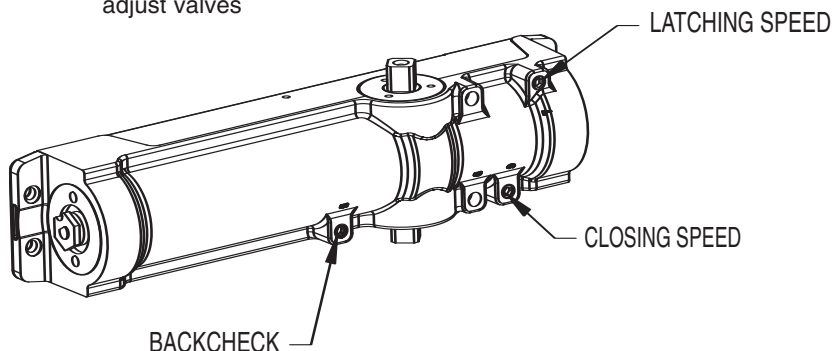
SARGENT® FINAL ADJUSTMENT AND REGULATING PROCEDURE

E

- Adjust door speed and latching speed valves to achieve the desired closing time. 6 seconds minimum from 90° to the closed position is recommended.
- If backcheck is required, adjust valve to achieve a slight cushioning effect. Auxiliary stop required.

SPEED UP (SLOW DOWN)

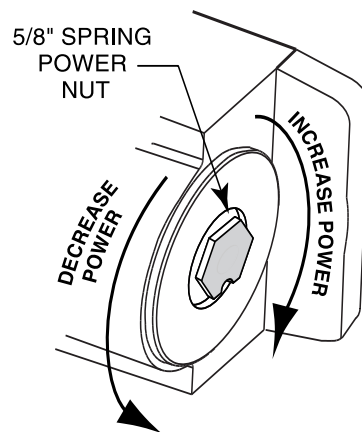
Use 5/32" hex wrench to adjust valves



ADJUST POWER TO MINIMUM REQUIRED TO RELIABLY CLOSE AND LATCH DOOR

- If door is hard to open, decrease power slightly
- If door does not latch, increase power as required
- Doors adjusted with high closing power to overcome strong draft conditions may exceed ADA standards.

421 CLOSERS ARE FIELD ADJUSTABLE FOR SIZES 1-6

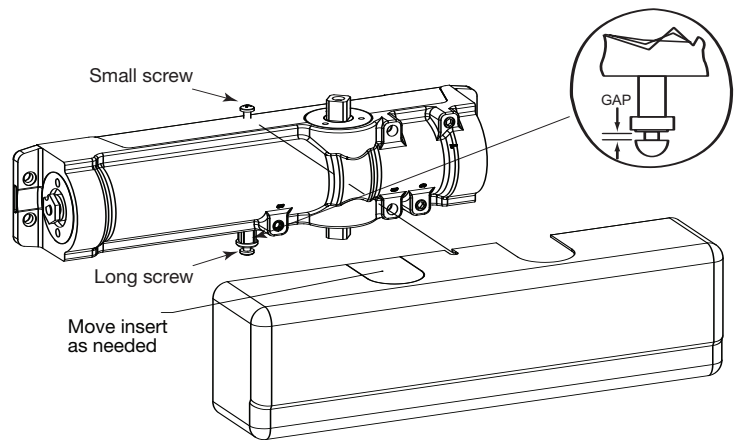


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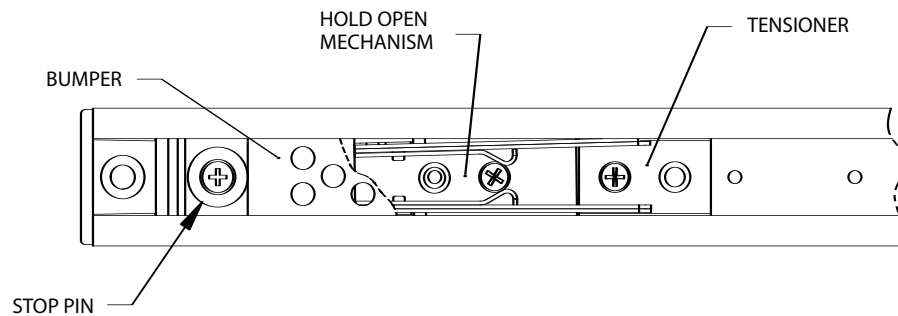
ASSA ABLOY, the global leader
in door opening solutions

INSTALL COVER AS FOLLOWS:

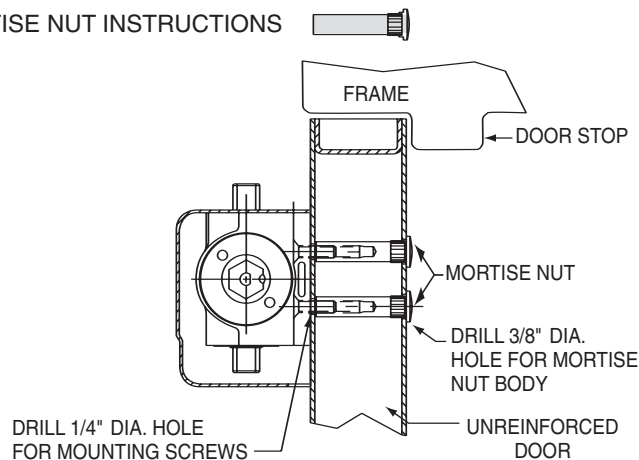
1. SCREW SHORT COVER SCREW (#8-35 x 5/16) INTO TOP OF CASE APPROXIMATELY 2 TURNS
2. ASSEMBLE PLASTIC SUPPORT AND LONG COVER SCREW (# 8-32 x 1-1/4) INTO BOTTOM OF CASE APPROXIMATELY 2 TURNS.
3. HOLD SUPPORT AGAINST CASE AND SLIDE COVER INTO GAP BETWEEN FLANGE AND SCREW HEAD
4. POSITION COVER ON CLOSER AND TIGHTEN SCREWS

**FOR MODELS HAVING "PCHT" HOLDER ARMS**

The holder device is set for 85° door holding position at the factory.
Tension is set at the highest setting.



- To decrease holding tension: Remove tensioner mounting screw and move tension adjuster away from hold open mechanism by using either of the two hole locations.
- To change hold open position: Remove hold open mechanism and tensioner mounting screws; slide both to desired position and reinstall screws.
- To decrease the degree of door opening: Move stop pin to desired position

SARGENT ACCESSORIES INFORMATION**MORTISE NUT INSTRUCTIONS**

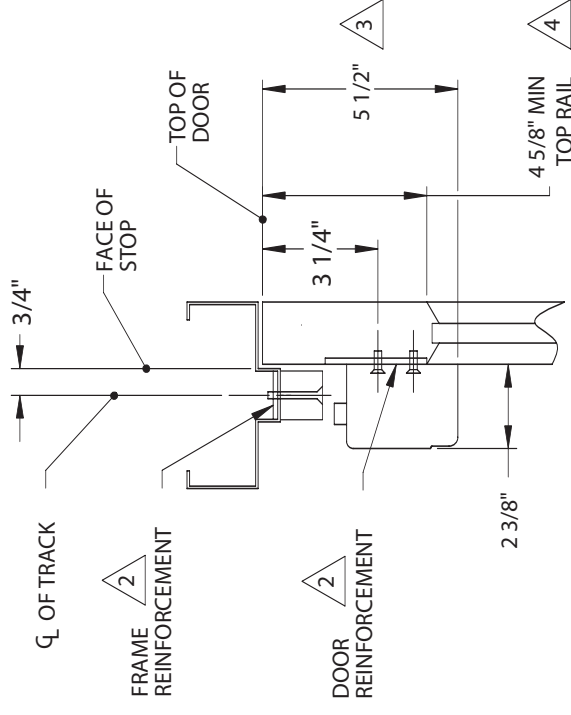
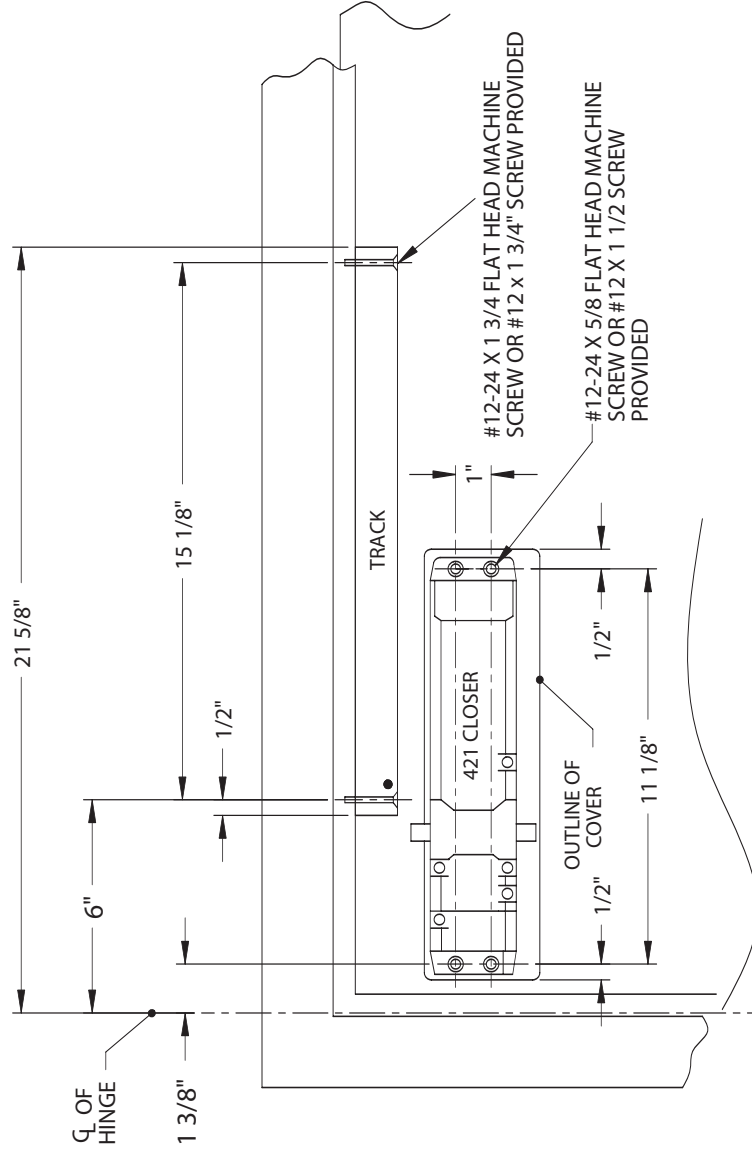
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NOTE:

1. LEFT HAND DOOR SHOWN, RIGHT HAND OPPOSITE
2. REINFORCE METAL DOORS AND FRAMES PER ANSI A250.8 AND SDI-100, 12 GAUGE RECOMMENDED
3. USE 1431-J PLATE WHEN CLOSER BODY IS VISIBLE THROUGH GLASS
4. THE MINIMUM TOP RAIL MAY BE REDUCED BY 3/4" BY USING THE 1431-D MOUNTING PLATE. SEE TEMPLATE A7168
5. MAXIMUM OPENING POSITION 125°
6. ADJUSTABLE HOLD OPEN RANGE: 75° - 120° (HOLDER MODEL ONLY)
7. AUXILIARY STOP REQUIRED

SARGENT Manufacturing Company
100 Sargent Drive New Haven, CT 06511

DATA SHEET

421 SERIES CLOSER WITH PCTB OR PCHTB
ARMS - PUSH SIDE APPLICATION

RELEASE DATE
8 May, 2007

TEMPLATE NO. A 7961 A