SARGENT" 281 💪 DOOR CLOSERS WITH CPS/CPSH ARMS INSTALLATION INSTRUCTIONS

281 ADJUSTABLE FROM SIZE 1 THRU 6

CAUTION: FAILURE TO INSTALL OR ADJUST PROPERLY MAY RESULT IN INJURY OR DAMAGE. FOR ASSISTANCE CALL SARGENT AT 1-800-727-5477.

DETERMINE MAXIMUM DEGREE OF OPENING OR HOLD OPEN (CPSH) REQUIRED. DRILL AND TAP DOOR AND FRAME FOR #12-24 MACHINE SCREWS, WHEN USING SELF TAPPING SCREWS PROVIDED, PREDRILL WITH A 3/32" DRILL.

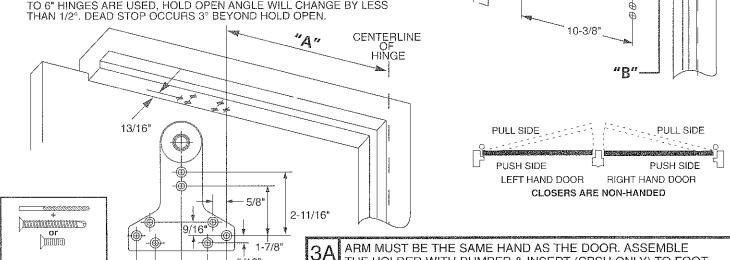
DEC	RIEE (OF D)	JOH OPE	AIME AA£4‡(e	ild open	
	85°	90°	95°	100°∌	105°€
DIM. "A"	9-7/16"	8-3/4"	8-1/8"	7-9/16"	7-1/16"
DIM. "B"	4-9/16"	3-15/16"	3-5/16"	2-11/16"	2-3/16"

- DO NOT USE SWING CLEAR HINGES FOR DOOR OPENINGS GREATER THAN 95°. USE ALTERNATE TYPE HINGES.
- DIMENSIONS FOR GIVEN DEGREE BASED ON 4-1/2" HINGE. WHEN 3-1/2" TO 6" HINGES ARE USED, HOLD OPEN ANGLE WILL CHANGE BY LESS

5/16"

- 1-15/16"

- 13/16"



INSERT

"CPSH" ONLY

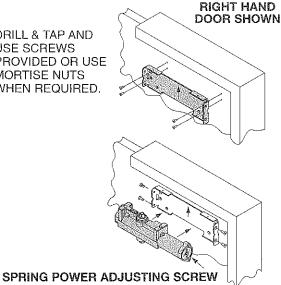
IMPORTANT NOTICE PRE-DRILL 3/32" HOLES FOR SELF-TAPPING SCREWS OR TAP #12-24 FOR MACHINE SCREWS

> INSTALL MOUNTING BRACKET WITH ARROW POINTING UP FOR BOTH RH & LH DOORS. MOUNT CLOSER WITH SPRING ADJUSTING SCREW TOWARDS HINGE.

3-7/8"

- 3-1/16"---

DRILL & TAP AND USE SCREWS PROVIDED OR USE MORTISE NUTS WHEN REQUIRED.



BRACKET AS LOCATION OF THESE PARTS DETERMINES THE "HAND". RH CPSH BUMPER & HOLDER 4 #12-24 x 5/8" MS SHOWN or #12 x 1-3/4" 12-24 x 1" MS or #12 x 1-3/4" 12-24 x 1-3/4" MS

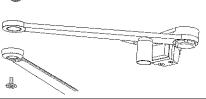
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THE HOLDER WITH BUMPER & INSERT (CPSH ONLY) TO FOOT

(FROM STOP)

1/2"... MOUNT FOOT BRACKET TO DOOR STOP. .7/8 **CPSH SHOWN CPS SIMILAR** USE SPACER WHEN REQUIRED **IMPORTANT: USE A MINIMUM** OF 7 SCREWS.

ALTERNATE: PREASSEMBLE ARMS PRIOR TO ATTACHING TO STOP. 3C

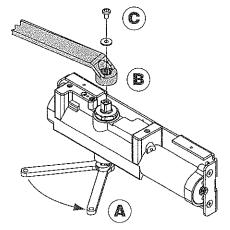


or #12 x 2-1/21

CENTERLINE OF HINGE

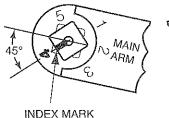


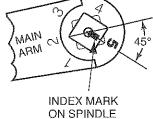
- * A. ROTATE BOTTOM SPINDLE WITH WRENCH.
 - B. ASSEMBLE MAIN ARM WITH INDEX MARK POSITIONED AS SHOWN.
 - C. SECURE WITH SCREW AND WASHER.





RIGHT HAND DOOR

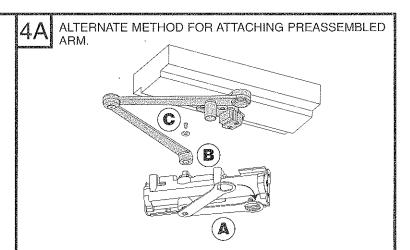




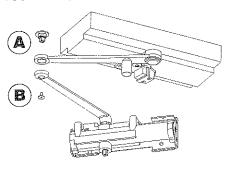
ON SPINDLE

WARNING: IF NOT PROPERLY INDEXED, DOOR CLOSER WILL NOT FUNCTION PROPERLY.

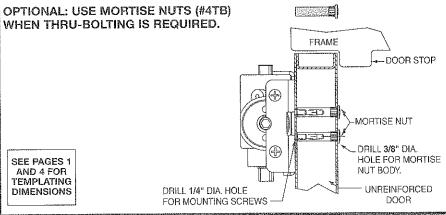
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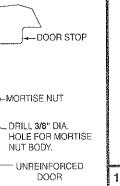


A. OPEN DOOR AND INSTALL PIVOT AS SHOWN. 5 B, USE SCREW TO SECURE PIVOT AND ARMS AS SHOWN.

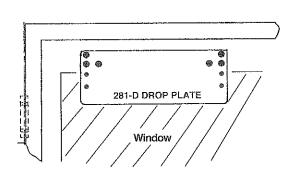


ACCESSORIES



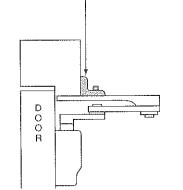


281 DROP PLATE USED WITH NARROW TOP RAILS.



125 VF BRACKET FOR FLUSH FRAME AND DOOR CONDITION. FLUSH FRAME DOOR -

125 V BRACKET FOR NARROW FRAME CONDITION.



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FINAL ADJUSTMENT AND REGULATING PROCEDURES

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MINIMUM RECOMMENDED DOOR CLOSING TIME IS 6 SECONDS FOR DOORS OPENED TO 90 DEGREES.



SLOW

USE 1/8" HEX (ALLEN) WRENCH TO ADJUST VALVES AS NEEDED.

CLOSING AND LATCHING SPEEDS:

TURN VALVES CLOCKWISE TO SLOW DOWN OR COUNTERCLOCKWISE TO SPEED UP DOOR MOVEMENT.

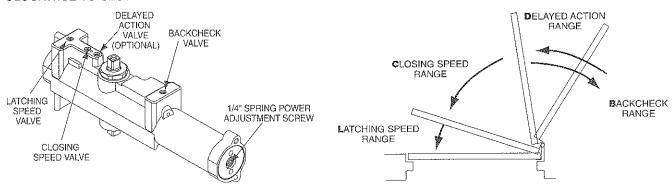
BACKCHECK:

TO REGULATE THE INTENSITY OF BACKCHECK ACTION TURN VALVE CLOCKWISE TO INCREASE OR COUNTER-CLOCKWISE TO DECREASE CHECKING.

CAUTION: SET VALVE FOR SLIGHT CUSHIONING EFFECT; CLOSER CAN BE DAMAGED IF THE CHECKING ACTION IS TOO ABRUPT. NEVER USE THE BACKCHECK AS A DOOR STOP. ALWAYS USE A DOOR STOP TO STOP THE DOOR.

DELAYED ACTION FEATURE (OPTIONAL FEATURE ON SOME MODELS):

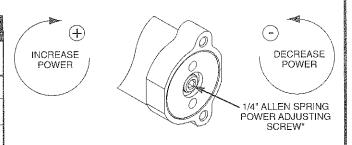
"DELAYED ACTION" PROVIDES SLOW DOOR CLOSING THROUGH THE DELAYED ACTION RANGE. TURN VALVE CLOCKWISE TO SLOW DOWN OR COUNTERCLOCKWISE TO SPEED UP DOOR MOVEMENT.



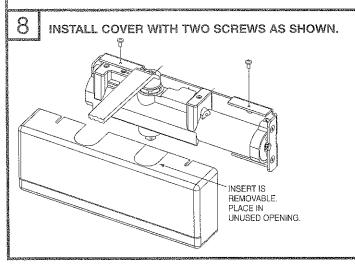
7 ADJUST POWER TO ALLOW DOOR TO CLOSE AND LATCH.

NUMBEROET	urns of Spring Pov	WER ADJUSTING NUT
DOOR WIDTH (INCHES)	EXTERIOR DOORS	*INTERIOR DOORS
24-30	Turn screw 2-7	Turn screw 1-5 🛴
30-36	Turn screw 7-11	Turn screw 3-6 🔍
36-42	Turn screw 11-15	FACTORY SET
42-48	Turn screw 15-17)	Turn screw 8 & up)

DOOR ADJUSTED TO CLOSE DUE TO HIGH DRAFT CONDITIONS MAY EXCEED ADA STANDARDS, CONSULT LOCAL ORDINANCES WHEN FIRE DOORS ARE INVOLVED.

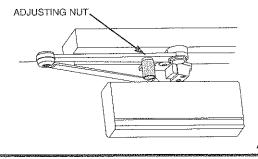


*IF INTERIOR DOORS DO NOT HAVE TO COMPLY WITH ADA REQUIREMENTS, EXTERIOR DOOR SETTINGS ARE RECOMMENDED. WHERE STRONG DRAFTS EXIST, INCREASE SPRING POWER AS NEEDED.



TO ADJUST HOLDER ARM (CPSH ONLY)

ALL CPSH ARMS ARE SHIPPED NON-HOLD OPEN FROM THE FACTORY. TO SET IN HOLD OPEN, TURN THE ADJUSTING NUT APPROXIMATELY 1-1/2 TURNS CLOCKWISE.



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