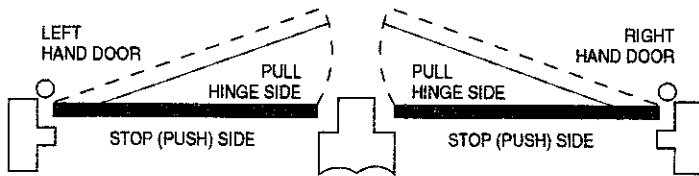


**MODEL
351
POWERGLIDE
SERIES**

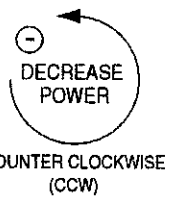
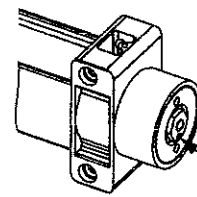
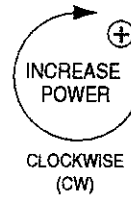
**INSTRUCTIONS FOR INSTALLING SARGENT® DOOR CLOSERS
WITH POT, POTB, PHT, PHTB ARMS**

351 NON SIZED ADJUSTABLE SIZES 2 THROUGH 5

PUSH SIDE MOUNTING
TRACK MOUNTED ON A STOP



DOOR WIDTH (INCHES)	APPROXIMATE DOOR WEIGHT (POUNDS)	NUMBER OF TURNS OF SPRING ADJUSTING NUT
24	80	1-5 CCW
30	110	FACTORY SET
32	115	
36	130	
40	150	
42	155	1-9 CW
44	165	
46	170	9-18 CW
48	180	



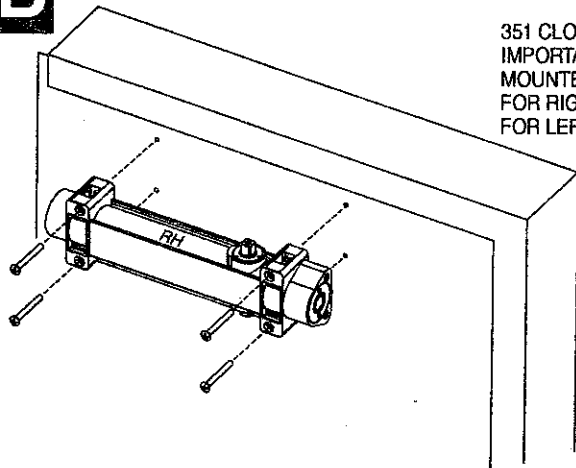
WHERE STRONG DRAFTS EXIST, INCREASE SPRING POWER AS NEEDED BY TURNING SPRING ADJUSTMENT SCREW CLOCKWISE. IF NECESSARY, REDUCE SPRING POWER BY TURNING SCREW COUNTERCLOCKWISE.

A

USE DIMENSIONS SHOWN ON TEMPLATE A6750 ON PAGE 4 TO LOCATE ATTACHING SCREWS ON DOOR AND FRAME.

B

INSTALL CLOSER WITH SPRING ADJUSTMENT AWAY FROM HINGE

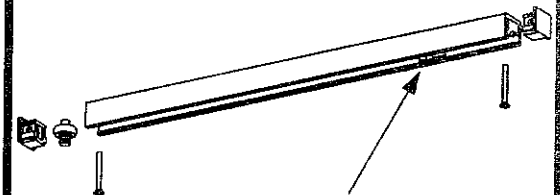


RIGHT HAND
DOOR SHOWN

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

C

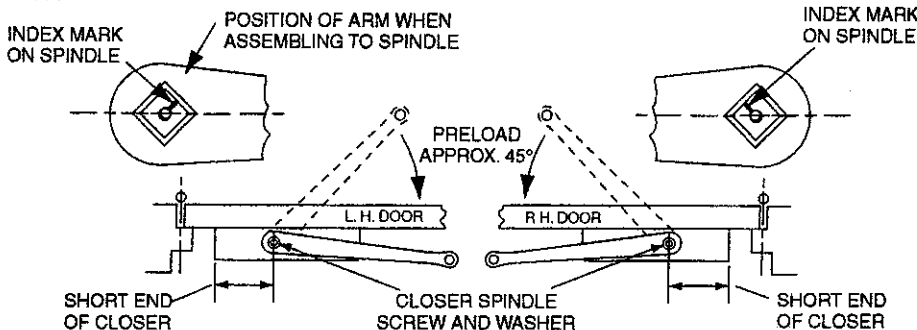
INSERT ROLLER AND END CAPS INTO TRACK AND ATTACH TO STOP WITH FASTENERS PROVIDED.



NOTE: WHEN HOLD OPEN
OR BUMPER OPTION
IS USED, MOUNT TRACK
WITH DEVICE TOWARD
HINGE EDGE OF DOOR.

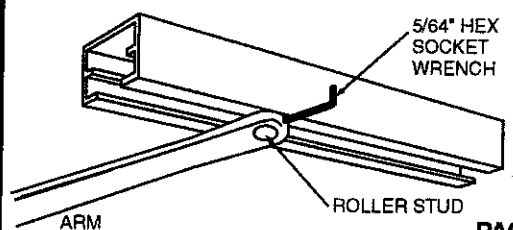
D

USING WRENCH ON BOTTOM SPINDLE ROTATE THE SPINDLE INTO POSITION SHOWN. ASSEMBLE ARM TO CLOSER WITH INDEX MARK ON END OF SPINDLE 45° FROM AXIS OF ARM AS ILLUSTRATED BELOW. USE WASHER AND SCREW TO RETAIN ARM.

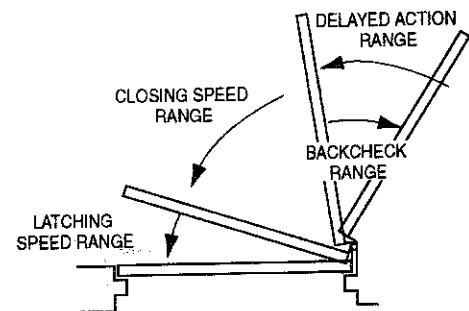
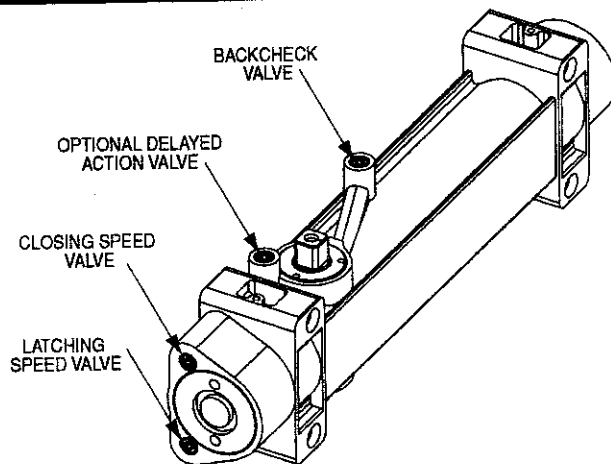


E

BACK OUT ARM SET SCREW, OPEN DOOR 45° AND FIT ARM ON TO ROLLER STUD. TIGHTEN SET SCREW SECURELY.



FINAL ADJUSTMENT AND REGULATING PROCEDURE



A REGULATING DOOR SPEED AND LATCHING SPEED AS NEEDED.

USE HEX SOCKET (1/8" ALLEN) WRENCH AND TURN VALVES CLOCKWISE TO SLOW DOWN OR COUNTER CLOCKWISE TO SPEED UP DOOR MOVEMENT.



B REGULATING BACKCHECK

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

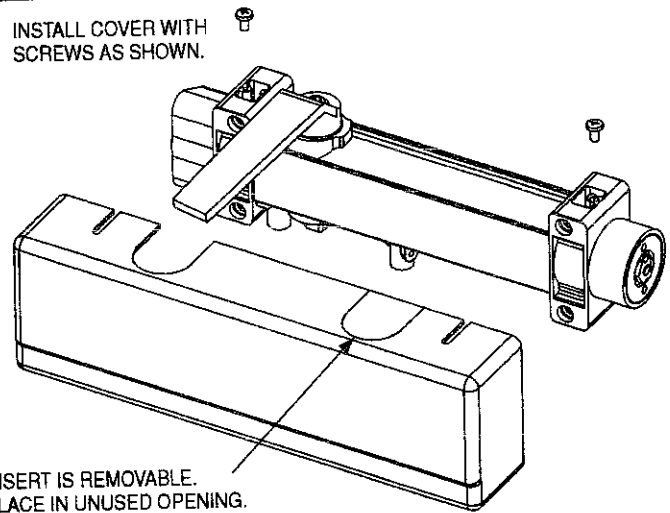
CAUTION: SET VALVE FOR SLIGHT CUSHIONING EFFECT. IT IS DAMAGING TO THE CLOSER IF THE CHECKING ACTION IS TOO ABRUPT. NEVER USE BACKCHECK AS A DOOR STOP. **ALWAYS USE A DOOR STOP TO STOP THE DOOR.**

C FOR MODELS WITH OPTIONAL DELAYED ACTION FEATURE

"DELAYED ACTION" PROVIDES SLOW DOOR CLOSING THROUGH DELAYED ACTION RANGE.

TURN VALVE CLOCKWISE TO SLOW DOWN OR COUNTER CLOCKWISE TO SPEED UP DOOR MOVEMENT.

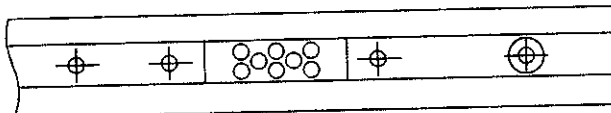
D INSTALL COVER WITH SCREWS AS SHOWN.



OPTIONS

BUMPER ASSISTS BACKCHECK IN CUSHIONING THE OPENING FOR DOOR. IT IS NOT INTENDED TO REPLACE AN AUXILIARY DOOR STOP.

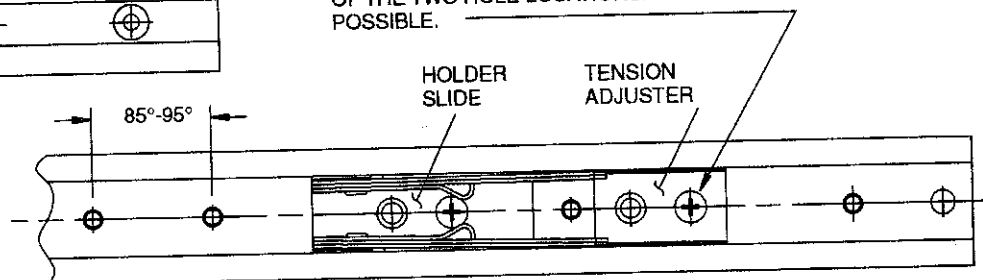
TO CHANGE BUMPER STOP LOCATION—REMOVE MOUNTING SCREW AND RELOCATE BUMPER STOP AT DESIRED POSITION.



FOR MODELS HAVING HOLDER TRACKS

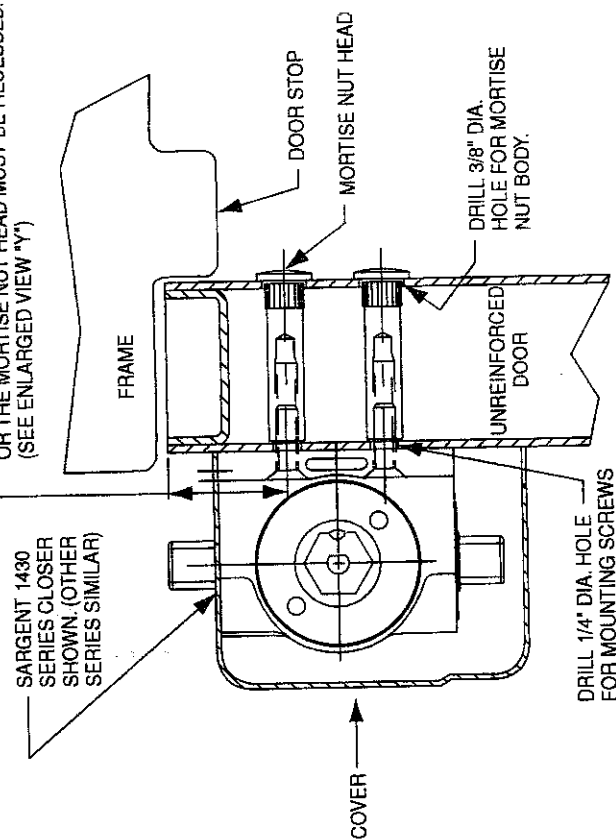
THE HOLDER DEVICE IS SET FOR 95° DOOR HOLDING POSITION AT THE FACTORY AND THE HOLDER TENSION IS SET AT THE LIGHTEST OF THE THREE SETTINGS.

TO INCREASE HOLDING TENSION REMOVE MOUNTING SCREW AND MOVE TENSION ADJUSTER TOWARD HOLDER SLIDE BY USING EITHER OF THE TWO HOLE LOCATIONS. TWO POSITIONS OF TENSION ARE POSSIBLE.

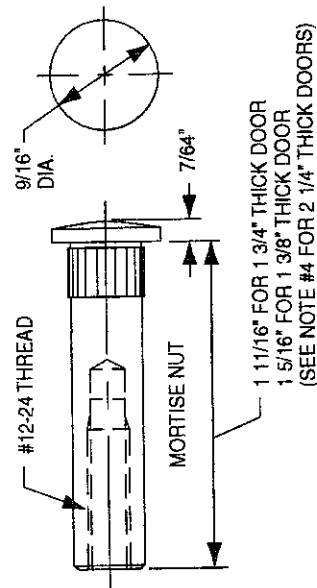
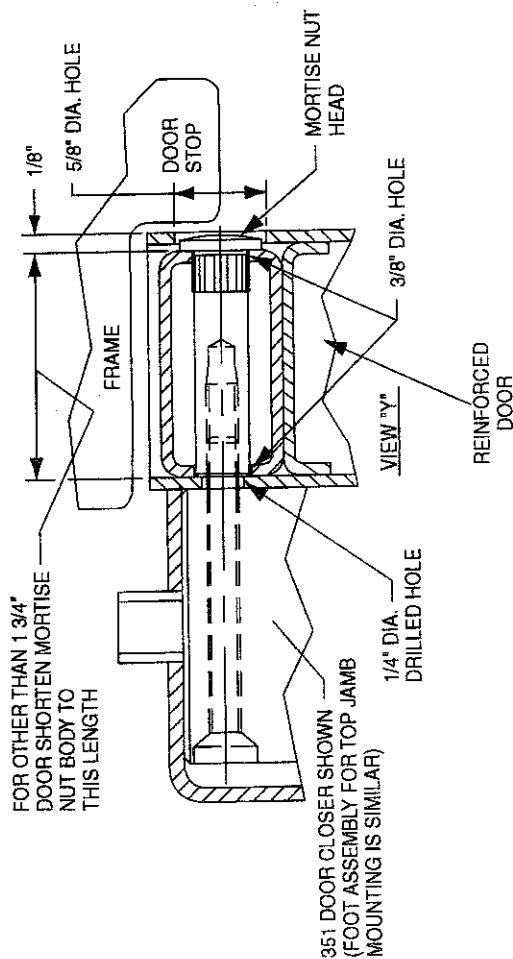


USING MORTISE NUTS WITH SARGENT DOOR CLOSER

SEE NOTE #1 BELOW FOR DIMENSION INFORMATION.
IF A DIMENSION LESS THAN 7/8" IS USED, THE DOOR
STOP MUST BE CUT TO CLEAR THE MORTISE NUT HEAD
OR THE MORTISE NUT HEAD MUST BE RECESSED.
(SEE ENLARGED VIEW "Y")



SARGENT 351 SERIES SHOWN



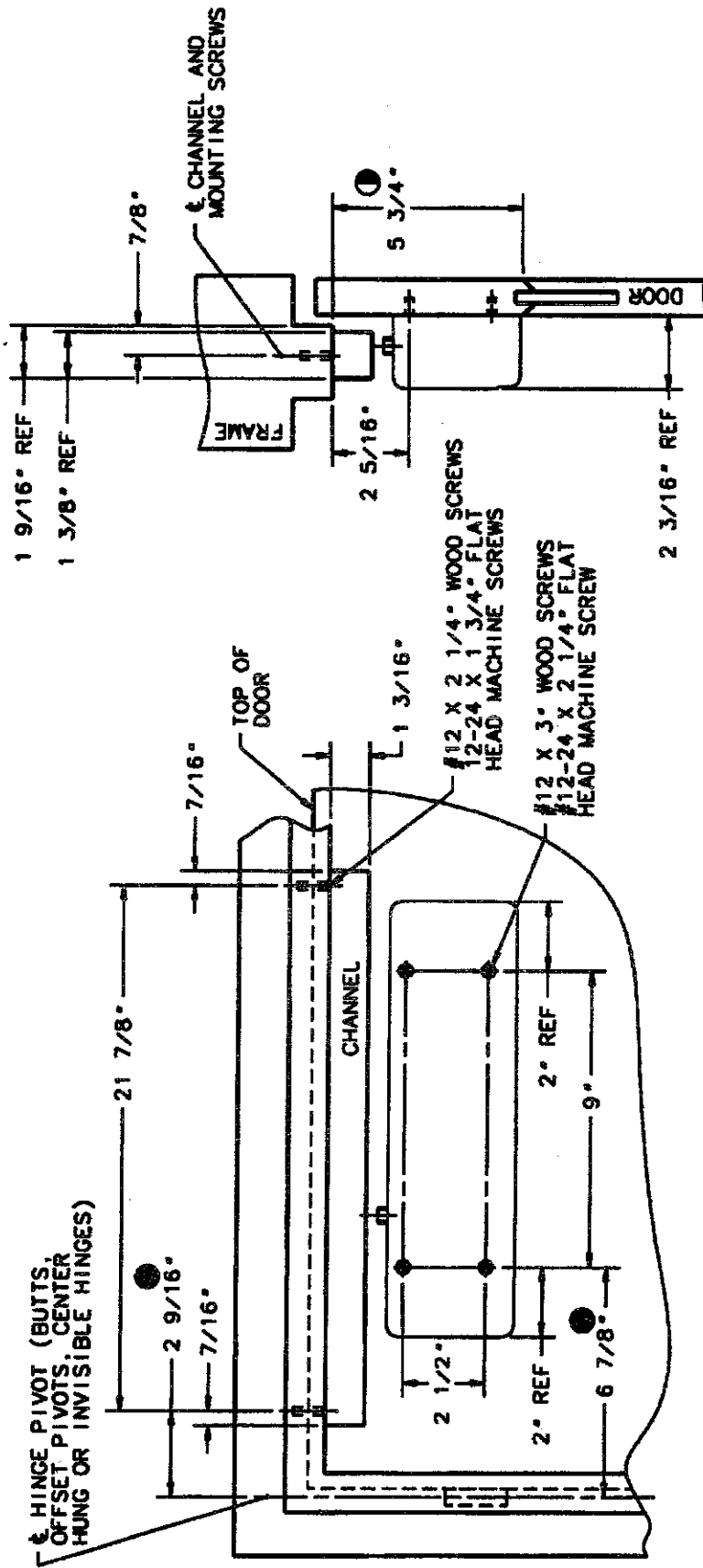
1. SEE INSTRUCTIONS OR DATA SHEET PACKED WITH DOOR CLOSER FOR DIMENSIONS LOCATING THE CLOSER BODY AND FOOT ON DOOR AND FRAME.

2. MORTISE NUT SHOWN IS DESIGNED FOR AN UNREINFORCED METAL DOOR.

3. FOR TOP JAMB AND CORNER BRACKET APPLICATIONS: THE DOOR CLOSER FOOT WILL BE ATTACHED TO THE DOOR IN A MANNER SIMILAR TO THAT SHOWN FOR MOUNTING THE CLOSER BODY.

4. FOR DOORS 2 1/4" THICK: MORTISE NUT SHOWN FOR 1 3/4" THICK DOORS WILL BE FURNISHED ALONG WITH APPROPRIATE LENGTH THRU-BOLTS. DOOR CONSTRUCTION MUST PROVIDE A BRIDGE TYPE REINFORCEMENT TO PREVENT THE DOOR RAIL FROM COLLAPSING WHEN THRU-BOLTS ARE TIGHTENED.

DESCRIPTION	ARM TYPE	MAXIMUM DOOR OPENING		RANGE OF HOLD OPEN
		WITH BUMPER	WITHOUT BUMPER	
REGULAR ARM	POT/POTB	95°	100°	85° TO 95°
HOLDER ARM	PHT/PHTB	95°	100°	



③ THIS DIMENSION IS TAKEN FROM HINGE EDGE OF DOOR FOR INVISIBLE HINGES.

② LEFT HAND DOOR SHOWN. RIGHT HAND DOOR OPPOSITE.

① 12 GAUGE MIN. REINFORCEMENT REQUIRED FOR METAL DOORS AND FRAMES.

④ SPACE REQUIRED TO MOUNT CLOSER ON RAIL. IF SPACE IS LESS THAN SHOWN USE 351-D DROP PLATE. SEE DATA SHEET A6745 FOR DETAILS.

SHEET NO. 00000001	REV. NO. 00000001
DATA SHEET: 351 SERIES CLOSER TRACK TYPE APPLICATION (PUSH SIDE MOUNTING)	
DATE: SEPT. 99	PROJECT NO. A6750 B
POT/POTB AND PHT/PHTB ARMS	