

INSTALLATION INSTRUCTIONS MODEL 351 POWERGLIDE DOOR CLOSERS HOLD OPEN ARMS WITH FUSIBLE LINK 351 NON SIZED ADJUSTABLE SIZES 1 THROUGH 6 COMPLIES WITH ADA REQUIREMENTS

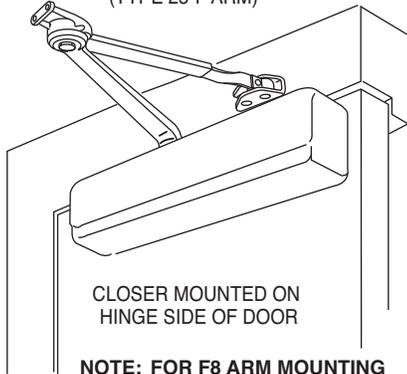
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STANDARD & TOP JAMB APPLICATIONS

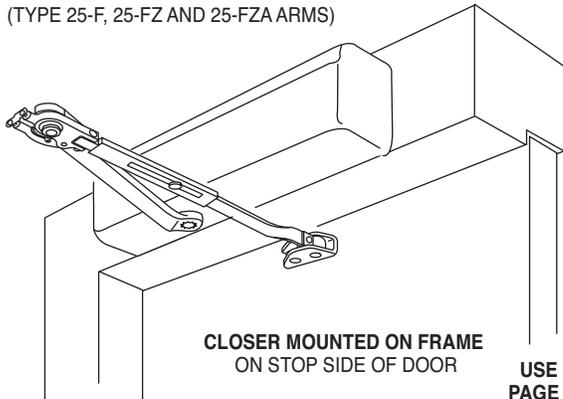
STANDARD APPLICATION
(TYPE 25-F ARM)



USE
PAGE 2

**NOTE: FOR F8 ARM MOUNTING
SEE DATA SHEET ENCLOSED**

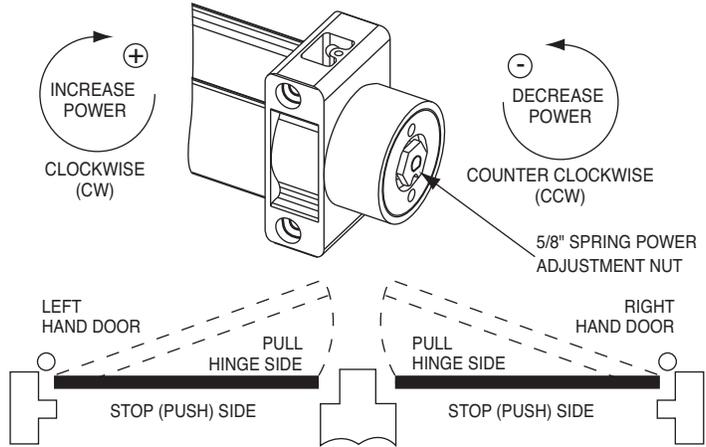
TOP JAMB APPLICATION
(TYPE 25-F, 25-FZ AND 25-FZA ARMS)



USE
PAGE 3

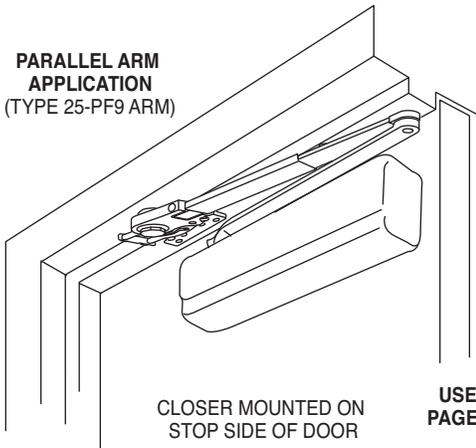
NUMBER OF TURNS OF SPRING POWER ADJUSTING SCREW FROM FACTORY SETTING (USE CHART AS GUIDE ONLY)			
DOOR WIDTH (INCHES)	APPROXIMATE DOOR WEIGHT (POUNDS)	EXTERIOR DOORS	INTERIOR DOORS 
24	80	FACTORY SET	
30	110	1-4 CW	1-5 CCW
32	115		
36	130	4-7 CW	
40	150	7-10 CW	FACTORY SET
42	155		
44	165	10-12 CW	1-5 CW
46	170		
48	180		
OVER 48		UP TO 18 CW AS REQ.	5 CW AND UP AS REQ.

ADJUST SPRING POWER ACCORDING TO CHART



PARALLEL APPLICATION ONLY

**PARALLEL ARM
APPLICATION**
(TYPE 25-PF9 ARM)



USE
PAGE 4

NUMBER OF TURNS OF SPRING POWER ADJUSTING NUT FROM FACTORY SETTING (USE CHART AS GUIDE ONLY)			
DOOR WIDTH (INCHES)	APPROXIMATE DOOR WEIGHT (POUNDS)	EXTERIOR DOORS	INTERIOR DOORS 
24	80	2-6 CW	
30	110	6-8 CW	1-5 CCW
32	115		
36	130	8-11 CW	FACTORY SET
40	150		
42	155	11-13 CW	1-7 CW
44	165		
46	170		
48	180		
OVER 48		UP TO 18 CW AS REQ.	8 CW AND UP AS REQ.

ADJUST SPRING POWER ACCORDING TO CHART*

*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 BY TURNING SPRING ADJUSTMENT SCREW CLOCKWISE. IF NECESSARY, REDUCE SPRING POWER BY TURNING SCREW COUNTERCLOCKWISE.

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351 STANDARD APPLICATION INSTRUCTIONS WITH FUSIBLE LINK

IMPORTANT: USE ALTERNATE MOUNTING IF DOOR CAN OPEN BEYOND LIMITS SHOWN FOR STANDARD MOUNTING

ARM TYPE	MOUNTING	MAX. DOOR OPENING	DIM. A	DIM. B
HOLD OPEN ARM WITH FUSIBLE LINK	STANDARD	110°	8 3/16"	11 7/16"
	ALTERNATE	135°	6 13/16"	10 1/6"

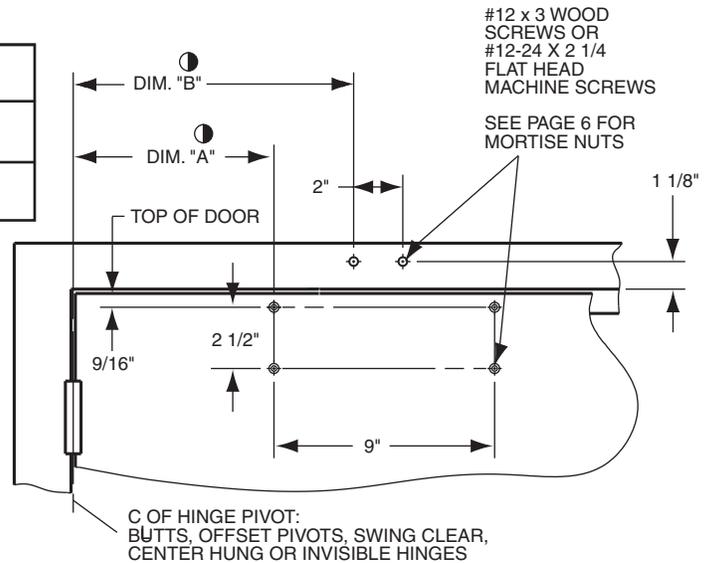
IF BUTT, FRAME AND WALL CONDITIONS PERMIT DOOR WILL OPEN 180°

1 RIGHT HAND DOOR SHOWN. LEFT HAND DOOR OPPOSITE.

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

DRILL & TAP AND USE SCREWS PROVIDED OR USE MORTISE NUTS WHEN REQUIRED. SEE PAGE 6 FOR MORTISE NUTS.

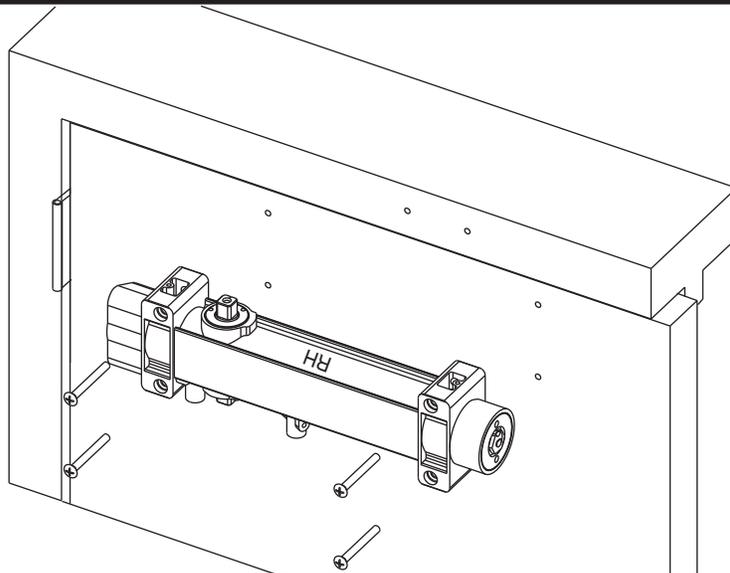
USE TEMPLATE A6753 FOR 25-OLC ARM (LOW PROFILE)



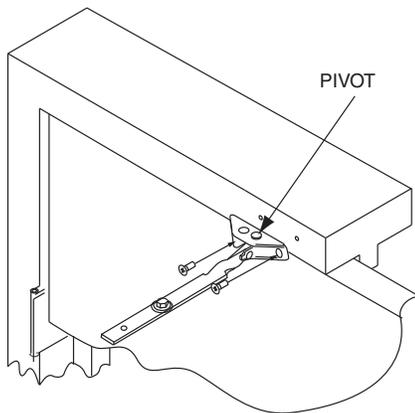
A INSTALL DOOR CLOSER TO DOOR WITH SPRING ADJUSTMENT NUT AWAY FROM HINGE.

NOTE: 351 CLOSER BODIES ARE NON HANDED. IT IS IMPORTANT THAT THE CLOSER BODY BE MARKED WITH "RH" SYMBOL AT TOP, FOR RIGHT HAND DOORS. "LH" SYMBOL AT TOP FOR LEFT HAND DOORS.

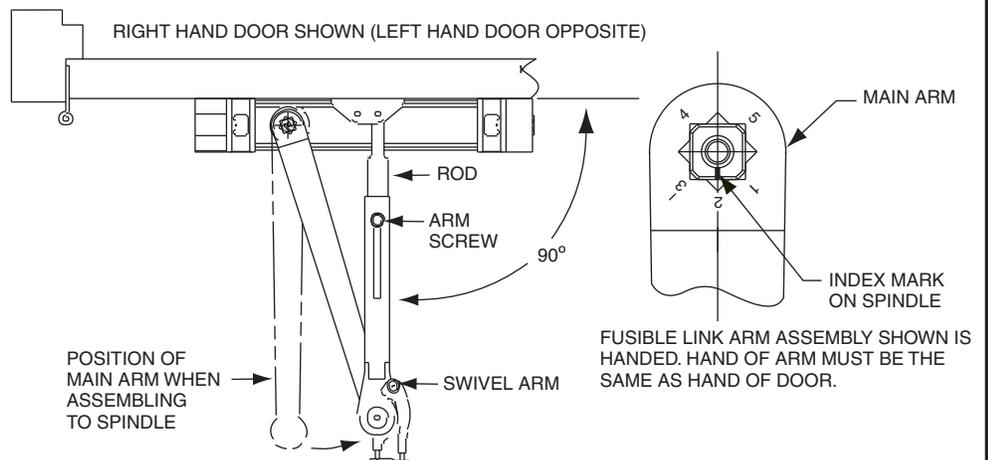
RIGHT HAND DOOR SHOWN



B ATTACH FOOT TO FRAME WITH PIVOT AWAY FROM HINGE.



C ATTACH ARM WITH INDEX MARK ON SPINDLE ALIGNED AS SHOWN. SECURE WITH SCREW AND WASHER. INSERT ROD END INTO SWIVEL ARM AND TIGHTEN ARM SCREW AS SHOWN BELOW.



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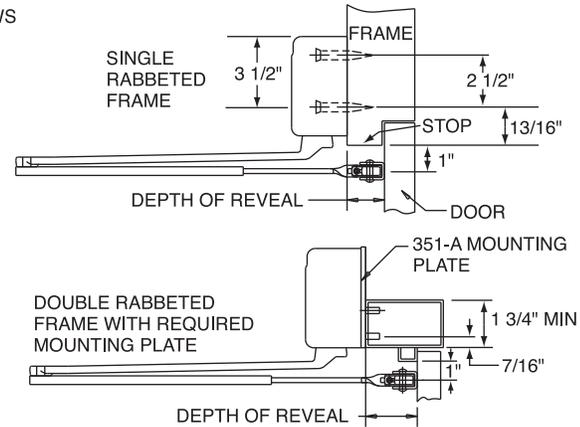
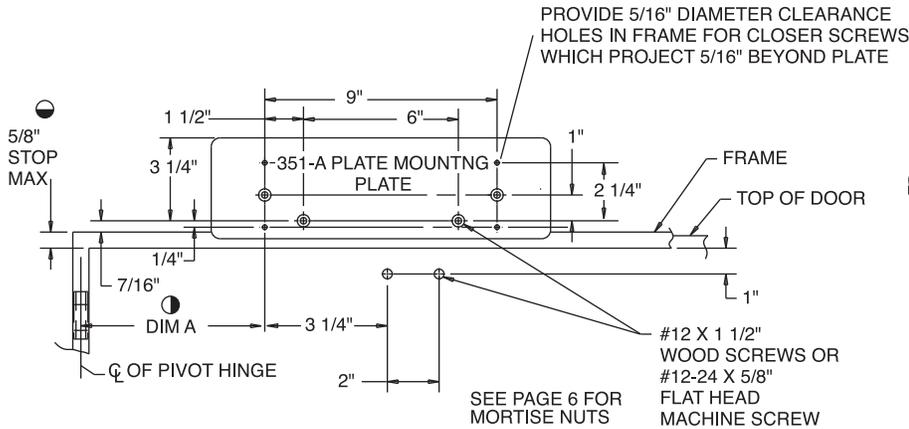
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351 TOP JAMB APPLICATIONS INSTRUCTIONS

ARM TYPE	REVEAL DEPTH	DOOR OPENING
"F" ARM	0" TO 2"	140°
"FZ" ARM	2 1/8" TO 5"	140°
"FZA" ARM	5 1/8" TO 8"	140°

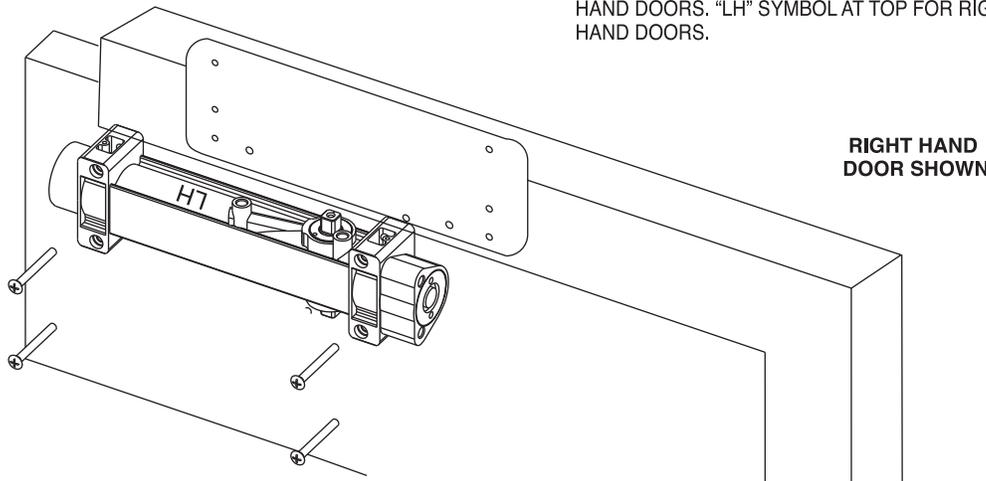
DIM. A	MAX. DOOR OPENING
8 5/8"	110°
5 3/8"	140°

- ① RIGHT HAND DOOR SHOWN, LEFT HAND DOOR OPPOSITE.
- ② THIS DIMENSION IS TAKEN FROM HINGE EDGE OF DOOR FOR INVISIBLE HINGES.
MAXIMUM DOOR OPENING FOR "HOLD OPEN". USE THE PARALLEL ARM APPLICATION WHEN "HOLD OPEN" IS REQUIRED FOR DOOR OPENINGS GREATER THAN 140°.
- ③ DRILL & TAP AND USE SCREWS PROVIDED OR USE MORTISE NUTS WHEN REQUIRED.

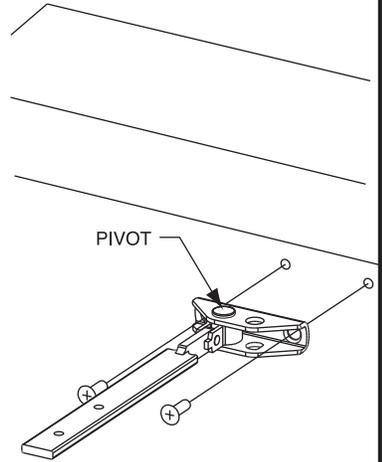


A INSTALL DOOR CLOSER TO FRAME WITH SPRING ADJUSTMENT NUT AWAY FROM HINGE.

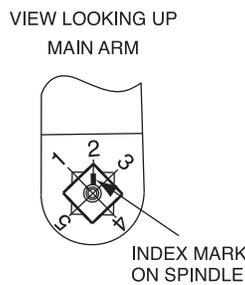
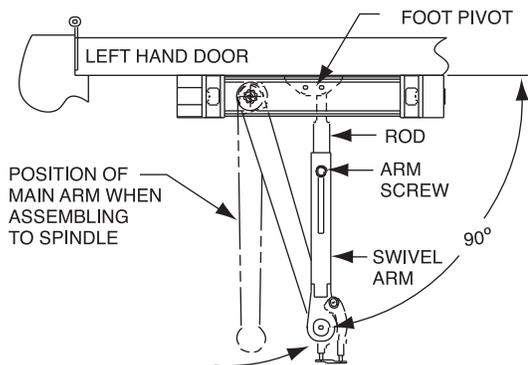
NOTE: 351 CLOSER BODIES ARE NON HANDED. IT IS IMPORTANT THAT THE CLOSER BODY BE MARKED WITH "RH" SYMBOL AT TOP, FOR LEFT HAND DOORS. "LH" SYMBOL AT TOP FOR RIGHT HAND DOORS.



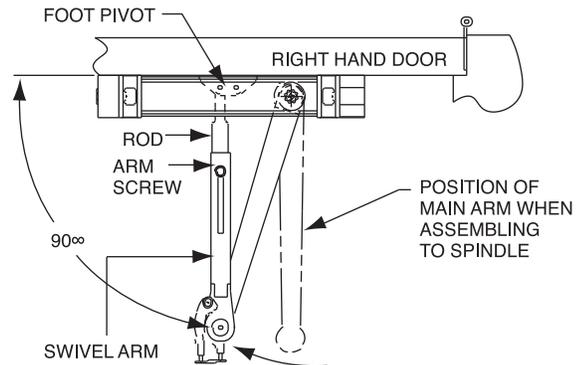
B ATTACH FOOT TO DOOR WITH PIVOT AWAY FROM HINGE.



C INSTALL MAIN ARM TO SPINDLE AND SECURE WITH SCREW AND WASHER AS SHOWN. OPEN DOOR INSERT RETANGULAR ROD INTO SWIVEL ARM THEN CLOSE THE DOOR AND TIGHTEN ARM SCREW SECURELY WHEN SWIVEL ARM IS AT RIGHT ANGLE TO DOOR.



FUSIBLE LINK ARM ASSEMBLY SHOWN IS HANDED. HAND OF ARM MUST BE THE SAME AS HAND OF DOOR



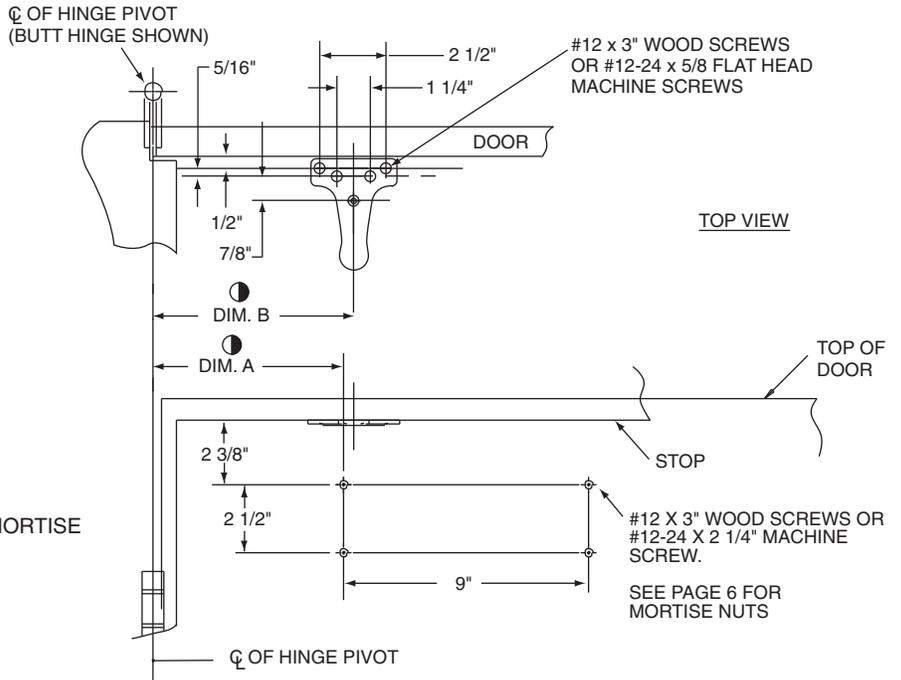
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351 FUSIBLE LINK PARALLEL ARM APPLICATION INSTRUCTION

MAX. DOOR OPENING	DIM. A	DIM. B
120°	9 7/8"	10 1/4"
180° ●	7"	7 3/8"

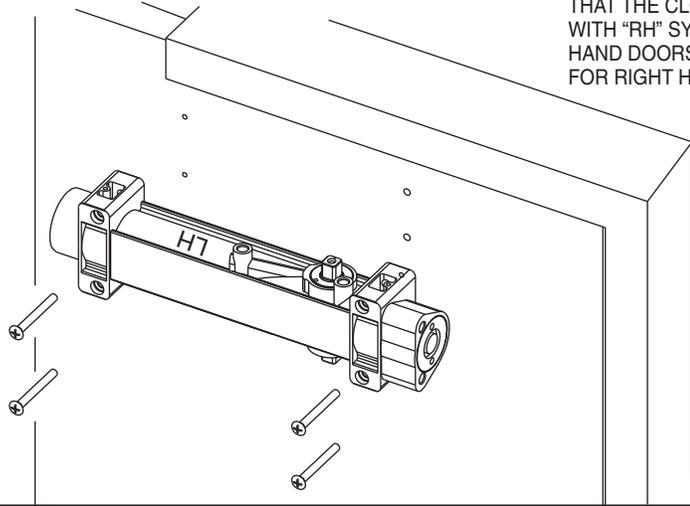


- 1 LEFT HAND DOOR SHOWN. RIGHT HAND DOOR DIMENSION OPPOSITE.
- 2 ● DO NOT USE THIS MOUNTING FOR "SWING CLEAR" HINGES.
- 3 ◐ THIS DIMENSION IS TAKEN FROM HINGE EDGE OF DOOR FOR INVISIBLE HINGES.

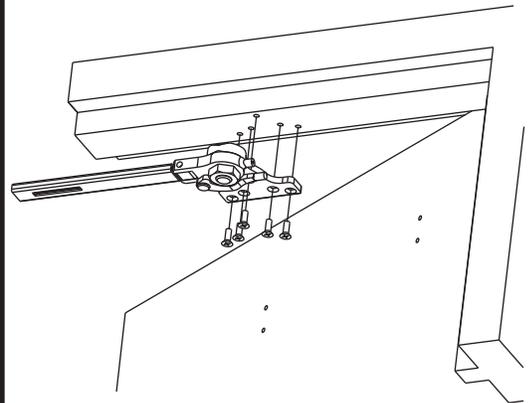
DRILL & TAP AND USE SCREWS PROVIDED OR USE MORTISE NUTS WHEN REQUIRED.

A INSTALL DOOR CLOSER TO FRAME WITH SPRING ADJUSTMENT NUT AWAY FROM HINGE.

NOTE: 351 CLOSER BODIES ARE NON HANDED. IT IS IMPORTANT THAT THE CLOSER BODY BE MARKED WITH "RH" SYMBOL AT TOP, FOR LEFT HAND DOORS. "LH" SYMBOL AT TOP FOR RIGHT HAND DOORS.

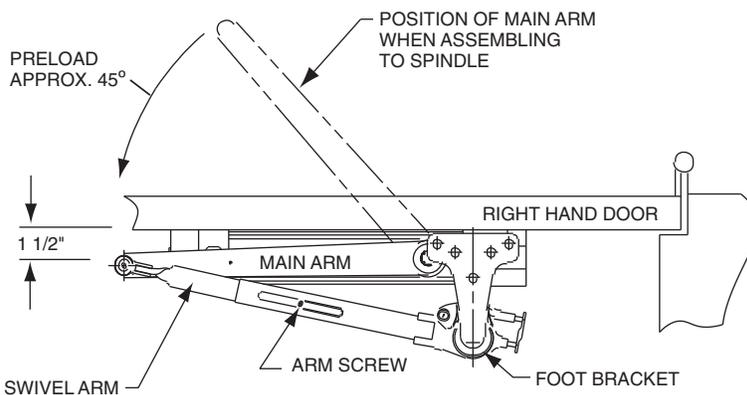
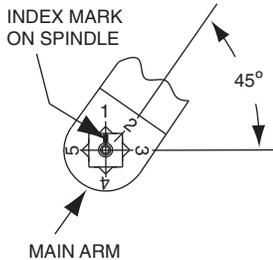


B ATTACH FOOT BRACKET TO FRAME STOP.

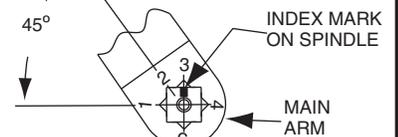


C USING WRENCH ON BOTTOM END OF SPINDLE, ROTATE 45° AND ASSEMBLE MAIN ARM TO CLOSER AS SHOWN, AND THEN INSERT ROD END INTO SWIVEL ARM AND TIGHTEN ARM SCREW POSITIONING ARM 1 1/2" AWAY FROM DOOR.

LEFT HAND VIEW OF INDEX

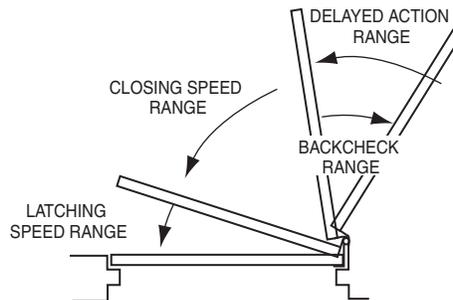
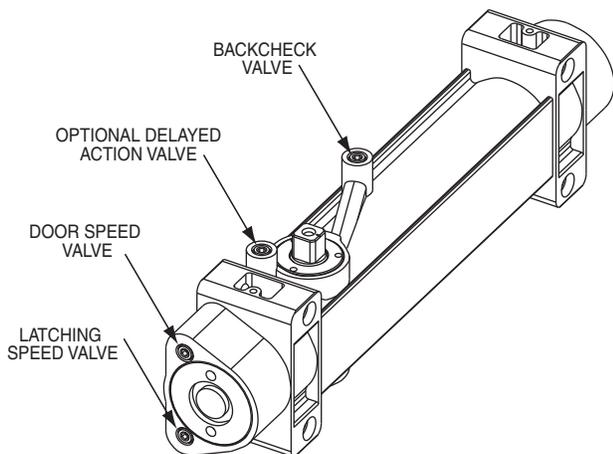


RIGHT HAND VIEW OF INDEX



CAUTION: DOOR CLOSER WILL NOT OPERATE PROPERLY IF ARM IS NOT INDEXED CORRECTLY.

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.

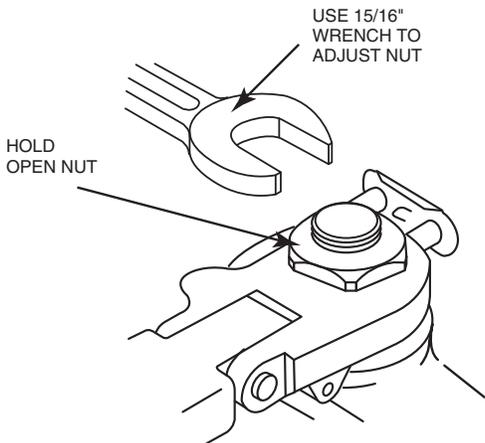


B REGULATING BACKCHECK
TO REGULATE THE INTENSITY OF BACKCHECK ACTION TURN VALVE CLOCKWISE TO INCREASE OR COUNTER CLOCKWISE TO DECREASE CHECKING.
CAUTION: SET VALVE FOR SLIGHT CUSHIONING EFFECT. IT IS DAMAGING TO THE CLOSER IF THE CHECKING ACTION IS TOO ABRUPT. NEVER USE BACKCHECK AS A DOOR STOP. **ALWAYS 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 ADJUSTING FOOT FOR ADDITIONAL CLOSING POWER (FOR STANDARD AND TOP JAMB APPLICATIONS ONLY)
MOVE FOOT PIVOT TO HOLE NEAREST HINGE

E ADJUSTMENT OF HOLD OPEN ARM
SLIGHT TIGHTENING OR LOOSENING OF HOLD OPEN NUT CHANGES HOLDING POSITION OF DOOR.
NOTE: TO PROTECT WALL, TRIM AND CLOSER, USE A DOOR STOP LOCATED 10" BEYOND HOLD OPEN POSITIONS BUT NOT BEYOND THE MAXIMUM DOOR OPENING SHOWN ON INSTRUCTIONS.



F INSTALL COVER WITH TWO SCREWS AS SHOWN.
INSERT IS REMOVABLE. PLACE IN UNUSED OPENING.

USING MORTISE NUTS WITH SARGENT DOOR CLOSER

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.

