



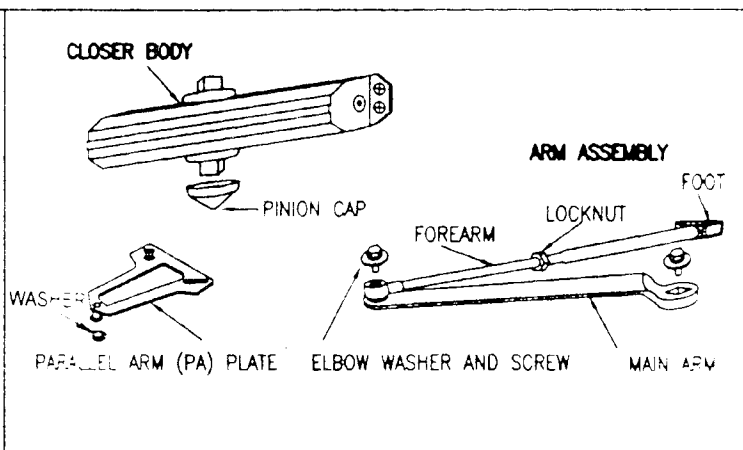
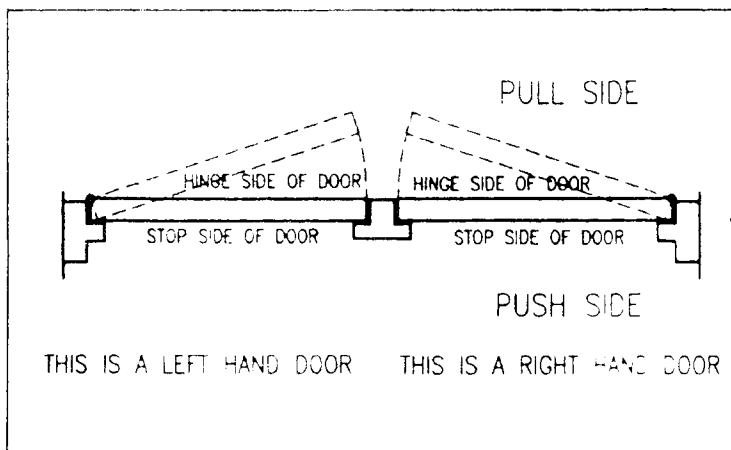
DOOR CONTROLS

Surface Mounted
Interior Door Closer
MODEL No : 6115

INSTALLATION INSTRUCTIONS

■ CHART TO DETERMINE HAND OF DOOR

■ COMPONENTS



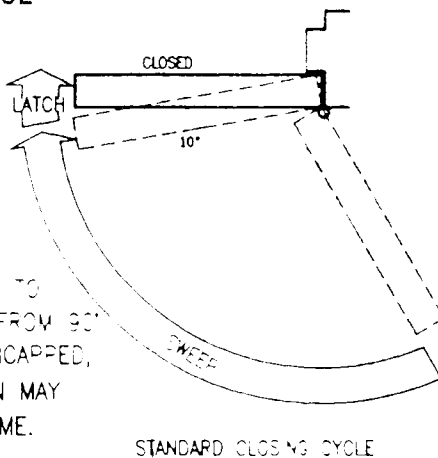
■ CONTROL FUNCTION

CLOSING SPEED CONTROL

CAUTION:
DO NOT BACK VALVES OUT OF
CLOSER OR A LEAK WILL RESULT

ATTENTION:

ADJUST CLOSING SPEED TIME TO
BETWEEN 4 TO 6 SECONDS FROM 90°
USE OF THE DOOR BY HANDICAPPED,
ELDERLY OR SMALL CHILDREN MAY
REQUIRE LONGER CLOSING TIME.

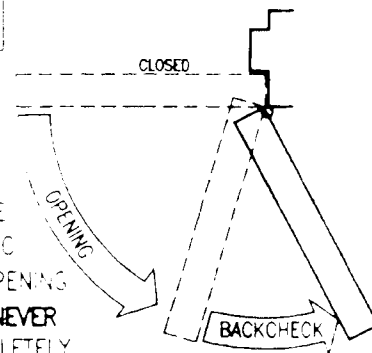


OPENING DOOR CONTROL

CAUTION:
DO NOT BACK VALVES OUT OF
CLOSER OR A LEAK WILL RESULT

ATTENTION:

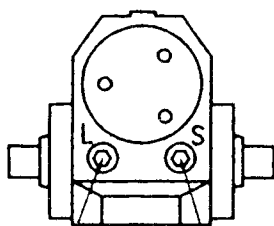
BACKCHECK ("BC") VALVE
CONTROLS THE HYDRAULIC
RESISTANCE TO DOOR OPENING
A BACKCHECK RANGE. **NEVER**
CLOSE THIS VALVE COMPLETELY.
THIS IS NOT TO PROVIDE A POSITIVE STOP



■ FINAL ADJUSTMENT AND REGULATING PROCEDURES

REGULATING DOOR SPEED AND LATCHING SPEED

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

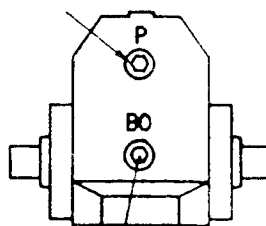


THIS VALVE CONTROLS
LATCHING SPEED

THIS VALVE CONTROLS
DOOR SWEEP SPEED

REGULATING SPRING POWER REGULATING BC POWER

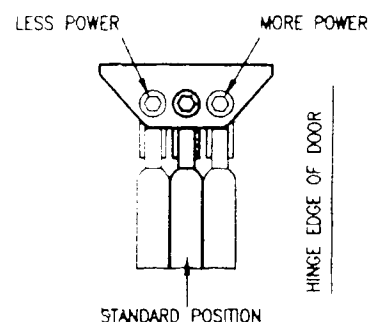
POWER ADJUSTMENT SCREW. TURN THIS SCREW CLOCKWISE
TO INCREASE OR COUNTER CLOCKWISE TO DECREASE.



TURN BC REGULATING VALVE CLOCKWISE TO INCREASE
OR COUNTER CLOCKWISE TO DECREASE.
NEVER CLOSE THIS VALVE COMPLETELY.

ADJUSTING FOOT FOR CLOSING POWER

MOVE FOOT PIVOT TO HOLE AS ILLUSTRATED BELOW

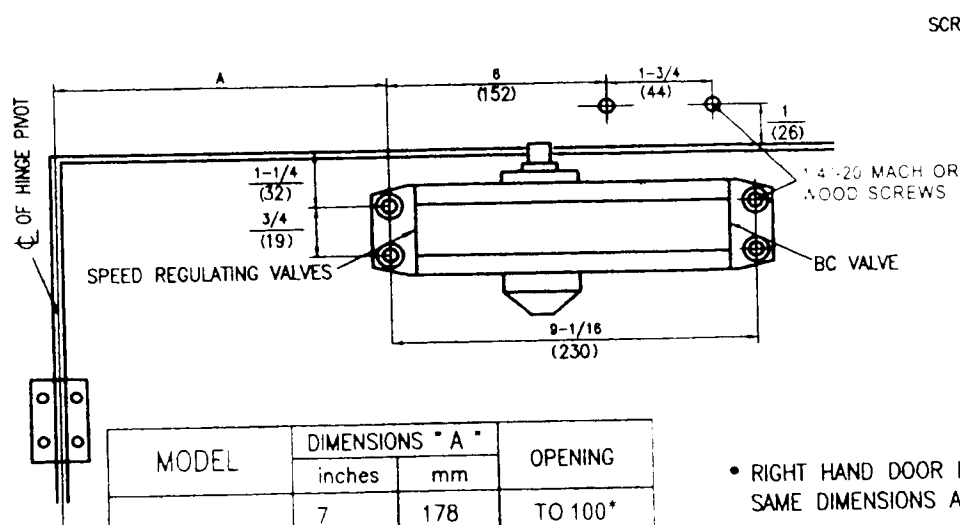




DOOR CONTROLS

Surface Mounted
Interior Door Closer
MODEL No : 6115

Installation Instructions for REGULAR ARM Mounting



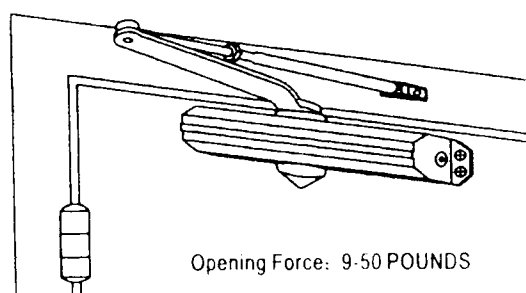
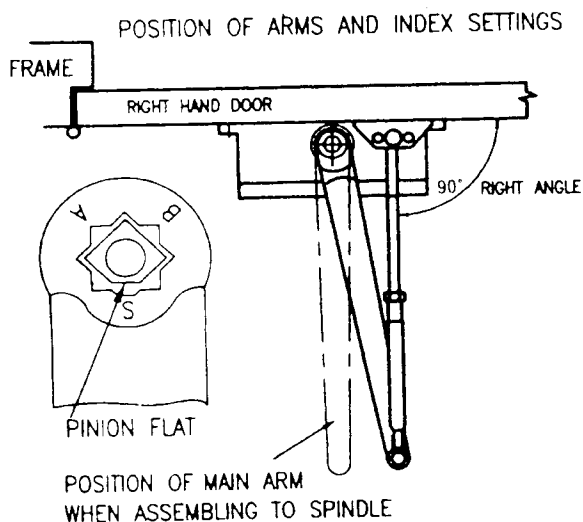
MODEL	DIMENSIONS "A"		OPENING
	inches	mm	
6115	7	178	TO 100*
	6	152	101" TO 120"
	3-1/2	89	* 121" TO 180"

* Door/Wall/Hardware/Jamb conditions permitting

- RIGHT HAND DOOR ILLUSTRATED
SAME DIMENSIONS APPLY TO LEFT HAND DOOR
- MEASURED FROM HINGE CL
DIMENSIONS ARE IN $\frac{\text{inches}}{\text{mm}}$
- DO NOT SCALE DRAWING

INSTALLATION INSTRUCTIONS

1. SELECT DEGREE OF DOOR. USE DIMENSIONS SHOWN IN CHART AND ILLUSTRATION ABOVE TO MARK LOCATION OF ATTACHING SCREWS ON DOOR AND FRAME PREPARE HOLES
2. ASSEMBLE MAIN ARM TO CLOSER.
3. ATTACH CLOSER TO DOOR WITH SPEED REGULATING VALVES TOWARD HINGE.
4. ATTACH THE FOOT OF THE FOREARM TO FRAME.
5. ADJUST LENGTH OF FOREARM TO POSITION FOREARM AT RIGHT ANGLE TO FRAME WHEN CONNECTED TO MAIN ARM AT ELBOW USE WASHER AND SCREW PROVIDED TO SECURE PIVOT CONNECTION. TIGHTEN LOCKNUT ON FOREARM.
6. SNAP PINION CAP OVER SPINDLE AT BOTTOM OF CLOSER
7. ADJUST CLOSER.



Power Adjustment Chart

	DOOR	TYPE OF INSTALLATION	*	MAXIMUM DOOR SIZE				
				34" 0.85M	36" 0.90M	40" 1.00M	44" 1.10M	48" 1.20M
6115	INTERIOR	REGULAR ARM TOP JAMB	FULL 360° TURNS OF POWER ADJUSTMENT SHAFT	2	4	6	9	11
		PARALLEL ARM		3	5	7	10	13
	EXTERIOR	REGULAR ARM TOP JAMB		4	6	8	11	14
		PARALLEL ARM		6	8	10	15	17

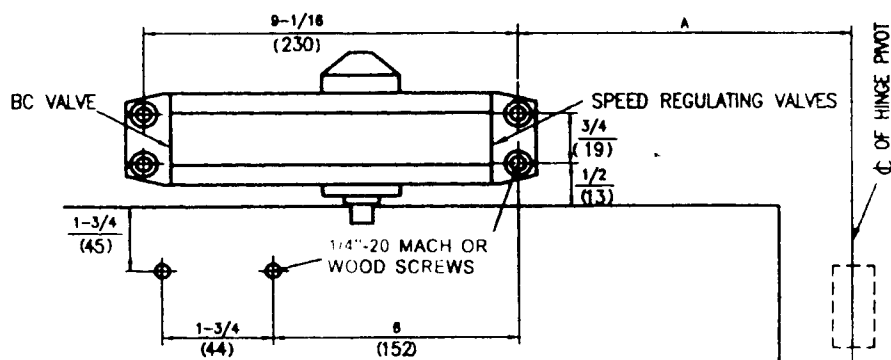
* 18-360° TURNS MAXIMUM AVAILABLE



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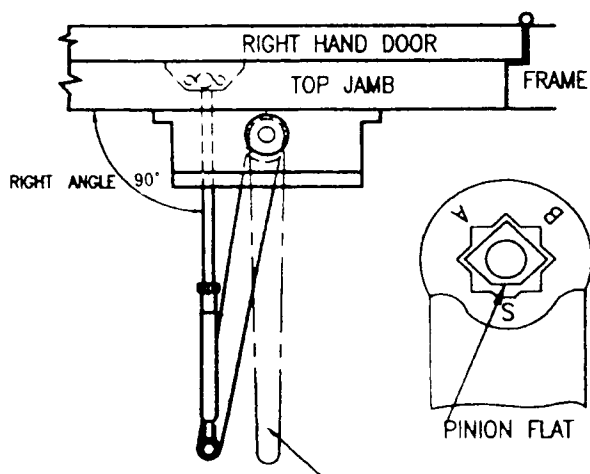
Installation Instructions for TOP JAMB Mounting



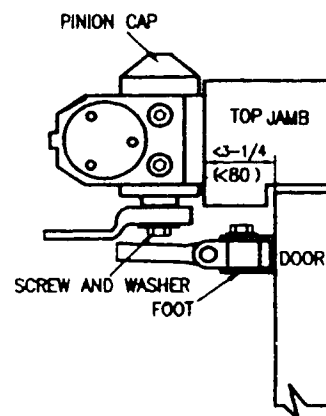
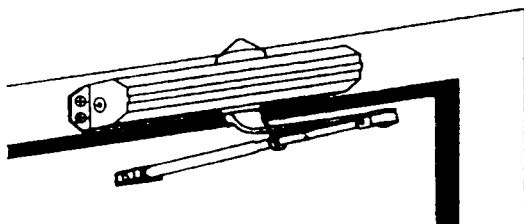
MODEL	DIMENSIONS "A"		OPENING
	inches	mm	
6115	7	178	TO 100*
	6	152	101" TO 120"
	3-1/2	89	* 121" TO 180"

* Door/Wall/Hardware/Jamb conditions permitting

POSITION OF ARMS AND INDEX SETTINGS



POSITION OF MAIN ARM
WHEN ASSEMBLING TO SPINDLE



- RIGHT HAND DOOR ILLUSTRATED
SAME DIMENSIONS APPLY TO LEFT HAND DOOR
- MEASURED FROM HINGE ϕ
DIMENSIONS ARE IN ~~inches~~ ^{mm}
- DO NOT SCALE DRAWING

INSTALLATION INSTRUCTIONS

1. SELECT DEGREE OF DOOR. USE DIMENSIONS SHOWN IN CHART AND ILLUSTRATION ABOVE TO MARK LOCATION OF ATTACHING SCREWS ON DOOR AND FRAME PREPARE HOLES
2. ASSEMBLE MAIN ARM TO CLOSER.
3. ATTACH CLOSER TO FRAME WITH SPEED REGULATING VALVES TOWARD HINGE.
4. ATTACH THE FOOT OF THE FOREARM TO DOOR.
5. ADJUST LENGTH OF FOREARM TO POSITION FOREARM AT RIGHT ANGLE TO FRAME WHEN CONNECTED TO MAIN ARM AT ELBOW USE WASHER AND SCREW PROVIDED TO SECURE PIVOT CONNECTION. TIGHTEN LOCKNUT ON FOREARM.
6. SNAP PINION CAP OVER SPINDLE AT BOTTOM OF CLOSER
7. ADJUST CLOSER.

About Power Adjustment

Before installation, Adjust the spring power as chart in page 2. Adjust spring power **DO NOT** exceed the maximum turn

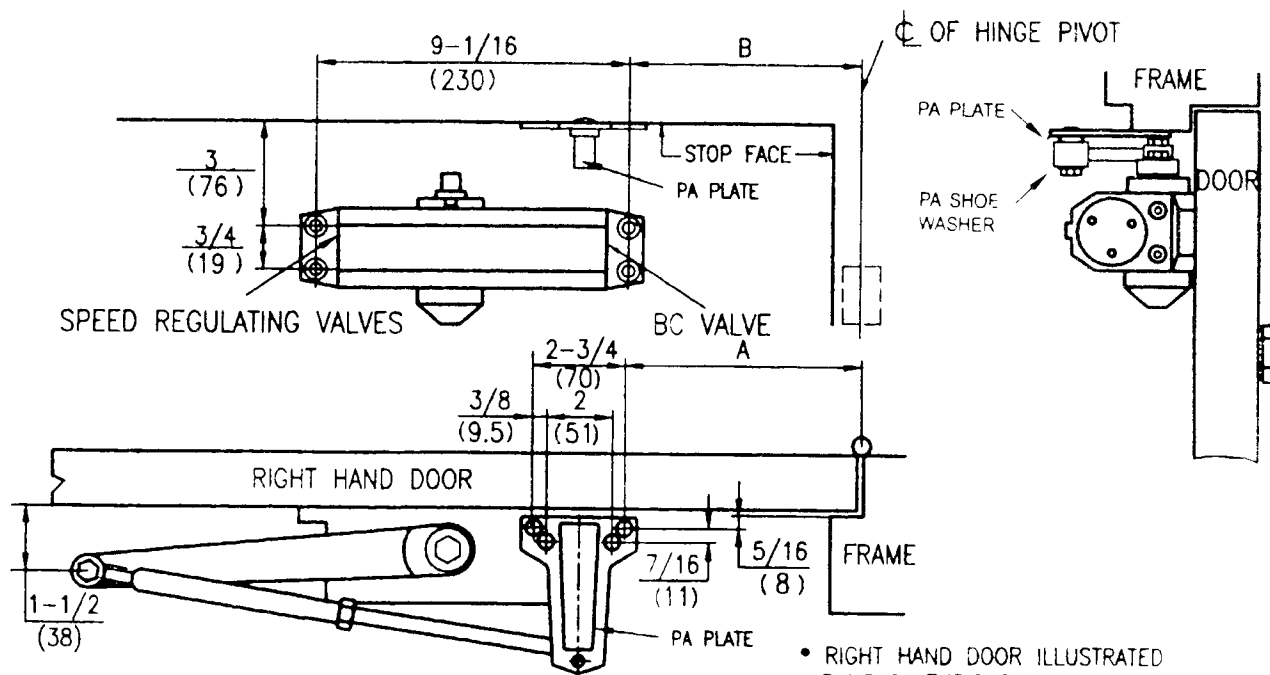
The spring power has been reset on 0 turns in factory.



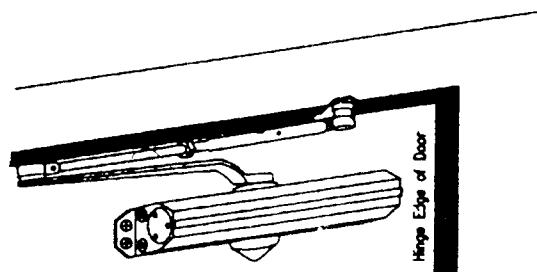
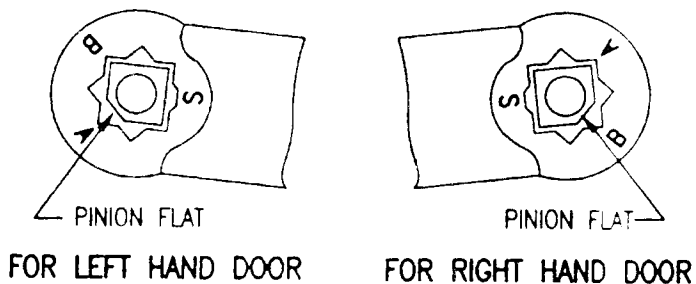
DOOR CONTROLS

Surface Mounted
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MODEL No : 6115

Installation Instructions for PARALLEL ARM Mounting



MODEL	DIMENSIONS "A"		DIMENSIONS "B"		OPENING
	inches	mm	inches	mm	
6115	9-1/4	235	7-5/8	194	TO 100"
	7-3/4	197	6-1/8	156	101" TO 130"
	5-3/4	146	4-1/8	105	OVER 131"



- RIGHT HAND DOOR ILLUSTRATED
SAME DIMENSIONS APPLY TO LEFT HAND DOOR
- MEASURED FROM HINGE CL
- DIMENSIONS ARE IN $\frac{\text{inches}}{\text{mm}}$
- DO NOT SCALE DRAWING

INSTALLATION INSTRUCTIONS

1. SELECT DEGREE OF DOOR. USE DIMENSIONS SHOWN IN CHART AND ILLUSTRATION ABOVE TO MARK LOCATION OF ATTACHING SCREWS ON DOOR AND FRAME PREPARE HOLES
2. ATTACH CLOSER TO DOOR WITH SPEED REGULATING VALVES AWAY FROM HINGE
3. ATTACH PA PLATE TO TOP FRAME AS SHOWN
4. REMOVE FOOT FROM FOREARM AND DISCARD
5. INSTALL ARM ON PINION SHAFT. ROTATE PINION 45° TOWARD HINGE EDGE OF DOOR TO ALIGN MAIN ARM LETTER "B" (RIGHT HAND DOOR) OR "A" (LEFT HAND DOOR) WITH PINION FLAT FASTEN WITH ARM SCREW.
6. FASTEN FOREARM TO PA PLATE USING SCREW REMOVED FROM FOOT IN STEP 4 AND PA SHOE WASHER INCLUDED IN SCREW PACK.
7. ADJUST FOREARM LENGTH TO SET ARM ELBOW ABOUT 1-1/2" (38mm) FROM DOOR WHEN CONNECTED TO MAIN ARM
USE WASHER AND SCREW PROVIDED TO SECURE PIVOT CONNECTION. TIGHTEN LOCKNUT
8. SNAP PINION CAP OVER SPINDLE AT BOTTOM.
9. ADJUST CLOSER