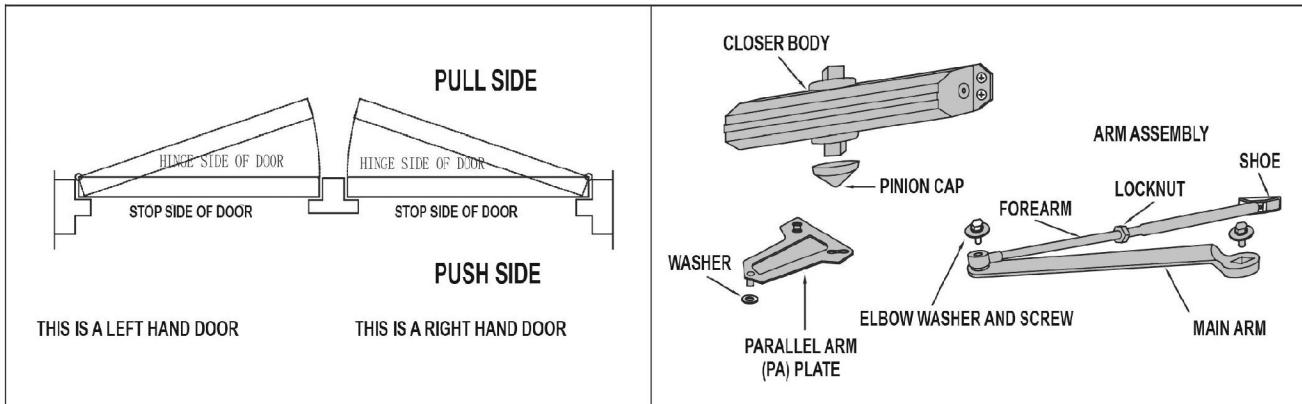
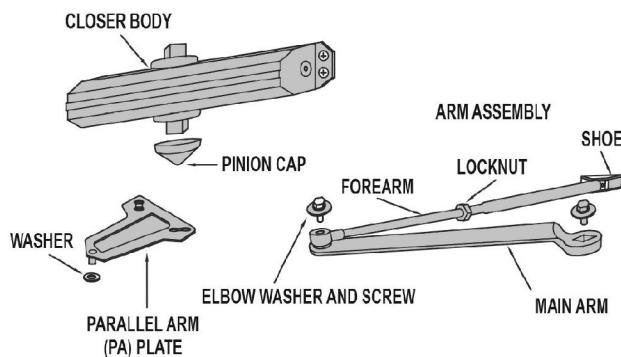


Commercial Door Closer Installation Instructions

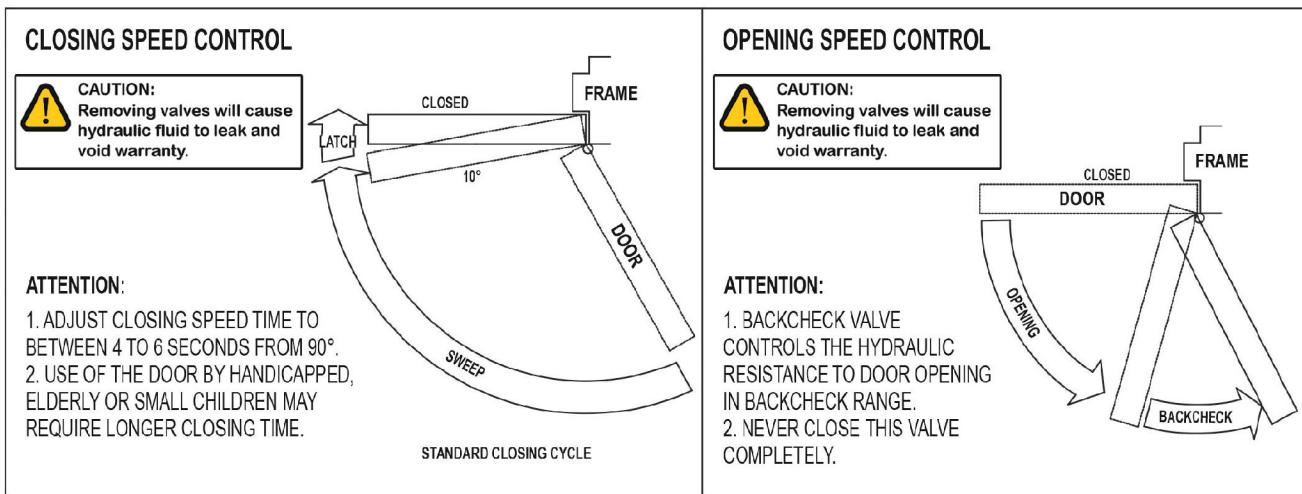
•CHART TO DETERMINE DOOR HAND



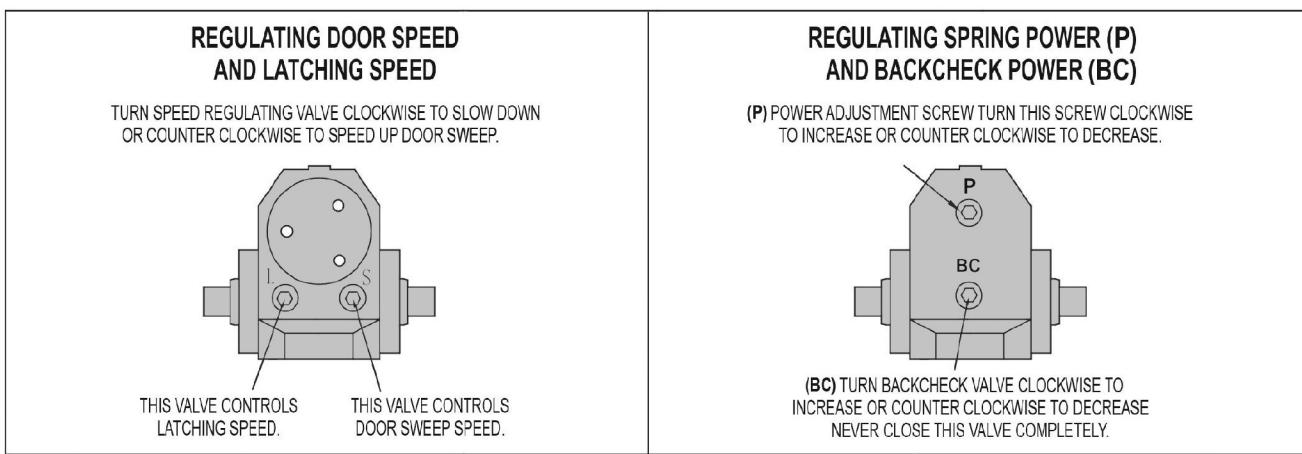
•COMPONENTS



•CONTROL FUNCTION

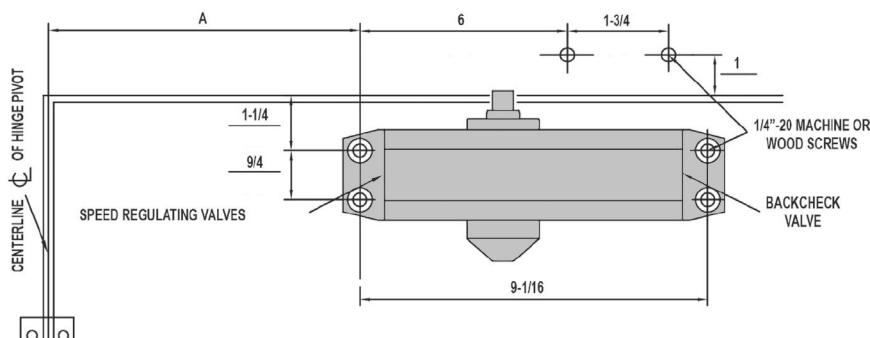


•FINAL VALVE ADJUSTMENT AND REGULATING PROCEDURES



Commercial Door Closer Installation Instructions

Regular Arm Installation

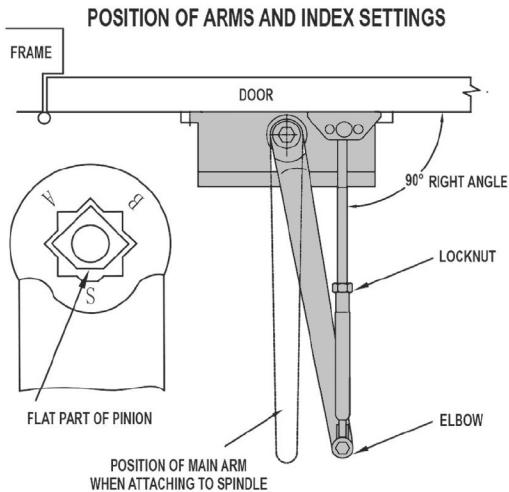


DIMENSIONS "A"	
7 inches	T100°
6 inches	101° TO 120°
3-1/2 inches	*121° TO 180°

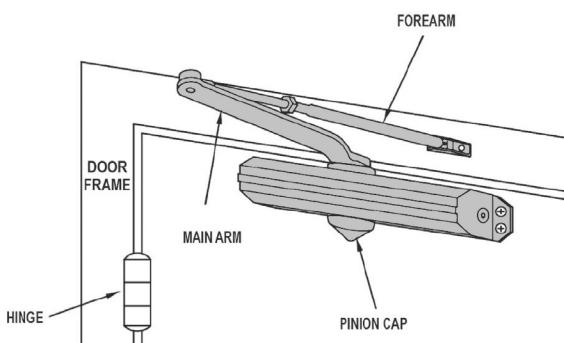
- RIGHT HAND DOOR ILLUSTRATED
SAME DIMENSIONS APPLY TO LEFT HAND DOOR
- MEASURED FROM HINGE C. CENTERLINE
- DRAWING NOT TO SCALE

INSTALLATION INSTRUCTIONS

1. SELECT DEGREE OF DOOR OPENING USE DIMENSIONS SHOWN IN CHART AND ILLUSTRATION ABOVE TO MARK LOCATION OF ATTACHING SCREWS ON DOOR AND FRAME.
2. ATTACH MAIN ARM TO CLOSER.
3. ATTACH CLOSER TO DOOR WITH SPEED REGULATING VALVES FACING TOWARD HINGE.
4. ATTACH THE SHOE OF THE FOREARM TO FRAME.
5. ADJUST LENGTH OF FOREARM TO POSITION FOREARM AT 90° RIGHT ANGLE (See drawing) TO FRAME.
6. TIGHTEN LOCKNUT ON FOREARM.
7. SNAP PINION CAP OVER SPINDLE AT BOTTOM OF CLOSER.
8. ADJUST CLOSER VALVES AS REQUIRED.



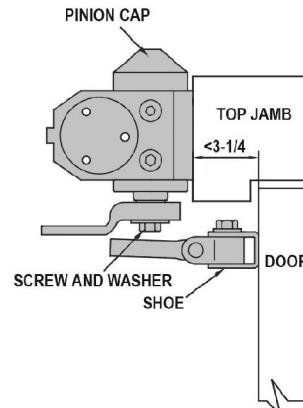
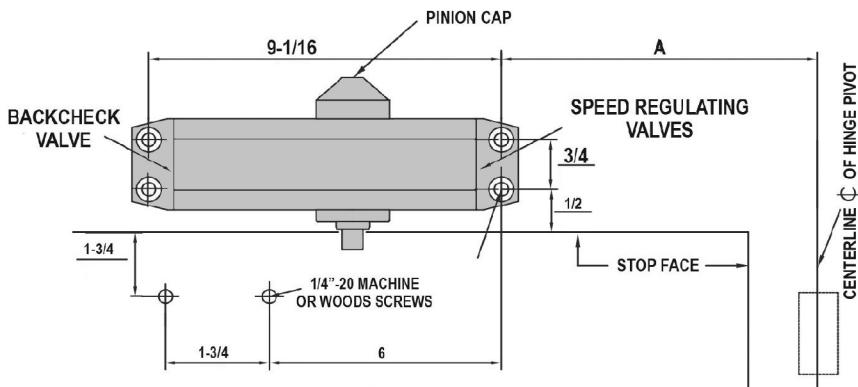
CAUTION:
Removing valves will cause hydraulic fluid to leak and void warranty.



EXTERIOR DOORS	INTERIOR DOORS	MAXIMUM DOOR WIDTH	FULL TURNS REQUIRED
		5 lb-f*	
8.5 lb-f*	34"	9 TURNS C.C.W.	
30"	38"	5 TURNS	
36"	48"	0 TURNS C.W.	
42"	54"	5 TURNS C.W.	
48"	60"	10 TURNS C.W.	

Commercial Door Closer Installation Instructions

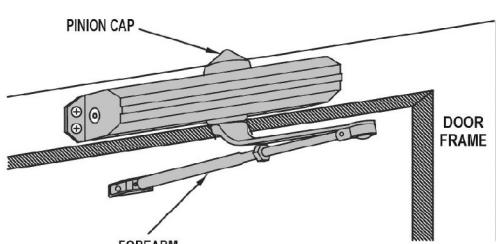
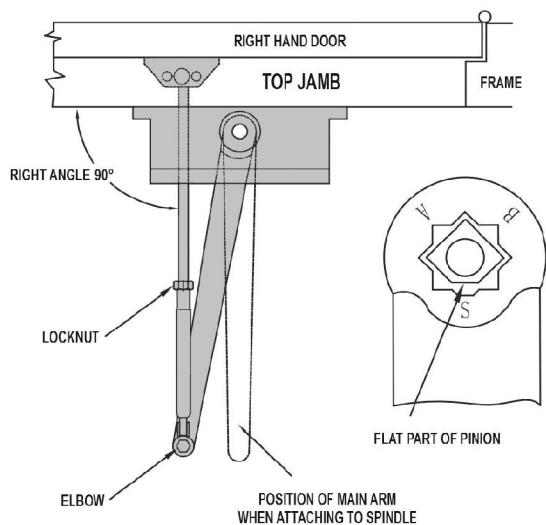
Top Jamb Installation



DIMENSIONS "A"	OPENING
7-1/2 inches	T100°
6 inches	101° TO 120°
3-1/2 inches	*121° TO 180°

- RIGHT HAND DOOR ILLUSTRATED
SAME DIMENSIONS APPLY TO LEFT HAND DOOR
- MEASURED FROM HINGE \triangleleft CENTERLINE
- DRAWING NOT TO SCALE

POSITION OF ARMS AND INDEX SETTINGS



INSTALLATION INSTRUCTIONS

1. SELECT DEGREE OF DOOR OPENING USE DIMENSIONS SHOWN IN CHART AND ILLUSTRATION ABOVE TO MARK LOCATION OF ATTACHING SCREWS ON DOOR AND FRAME.
2. ATTACH MAIN ARM TO CLOSER.
3. ATTACH CLOSER TO FRAME WITH SPEED REGULATING VALVES FACING TOWARD HINGE.
4. ATTACH THE SHOE OF THE FOREARM TO DOOR.
5. ADJUST LENGTH OF FOREARM TO POSITION FOREARM AT RIGHT ANGLE (See drawing) TO FRAME.
6. TIGHTEN LOCKNUT ON FOREARM.
7. SNAP PINION CAP OVER SPINDLE AT BOTTOM OF CLOSER.
8. ADJUST CLOSER VALVES AS REQUIRED.



CAUTION:
Removing valves will cause
hydraulic fluid to leak and
void warranty.

ABOUT POWER ADJUSTMENT

1. Before installation, adjust the spring power as shown on chart on page 2.
2. DO NOT exceed the maximum number of turns.
3. The spring power has been preset at 0 turns in factory.

Commercial Door Closer Installation Instructions

Parallel Arm Installation

