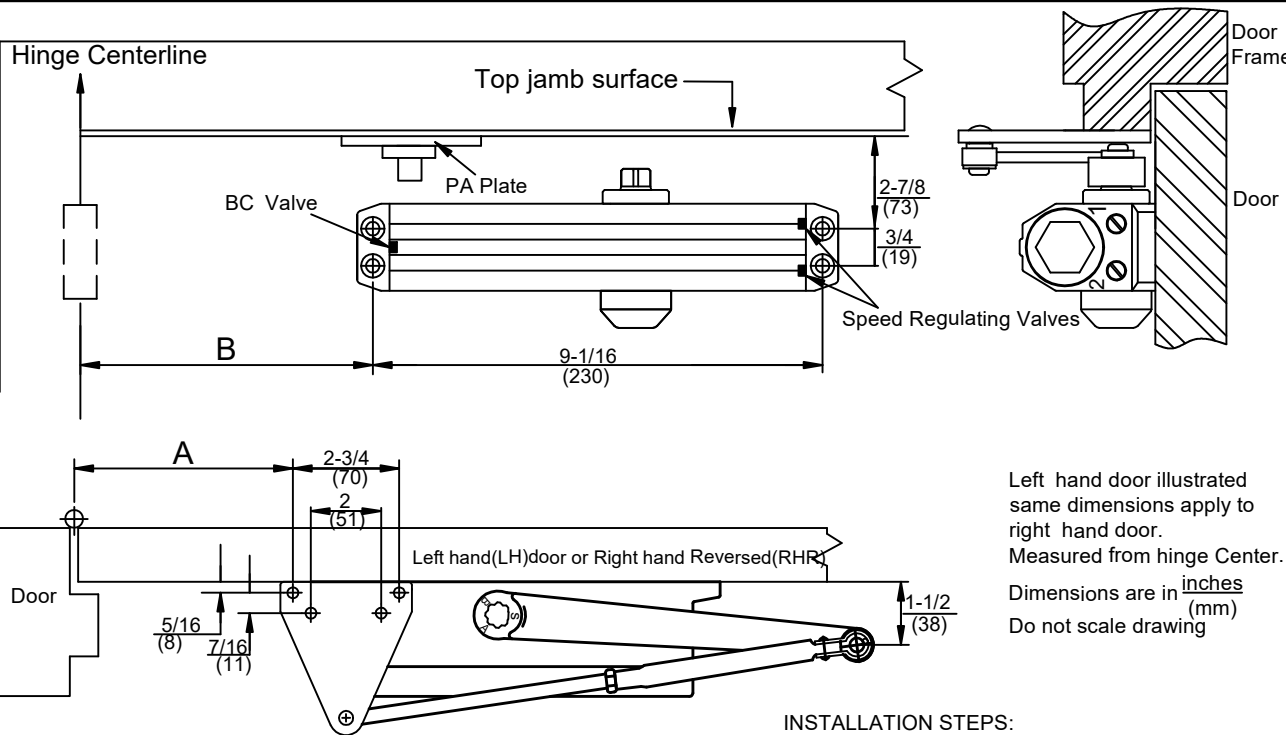


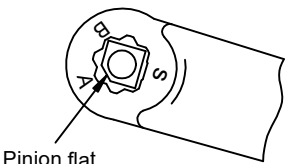
PARALLEL ARM MOUNTING (PUSH SIDE)

INSTALLATION INSTRUCTIONS:

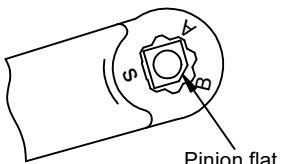


Left hand door illustrated same dimensions apply to right hand door. Measured from hinge Center. Dimensions are in inches (mm) Do not scale drawing

Dimension: Model No.	Dimension "A" Inch	Dimension "A" mm	Dimension "B" Inch	Dimension "B" mm	Opening Angle
DO-01	7-3/4	197	6-1/8	156	130°
	5-3/4	146	4-1/8	105	180°










Pinion flat
For left hand door
or right hand reversed



Pinion flat
For right hand door
or left hand reversed

ILLUSTRATION
Main arm positioning

DO0115 POWER SIZE SETTING AND DOOR WIDTH

Regulating Arm & Top Jamb Installation				Parallel Arm Installation			
Maximum Size of Door							
Closer Size	Interior	Exterior Inswing	Exterior Outswing	Closer Size	Interior	Exterior Outswing	Full 360° Turns
1	28"			1			-4 Turns C.C.W
2	36"			2	30"		0 Turn
3	42"	30"	36"	3	36"	30"	4 Turns C.W
4	48"	36"	42"	4	42"	36"	12 Turns C.W

INSTALLATION STEPS:

1. Select opening angle of the door. USE dimensions shown in table and illustration above to drill mounting holes on door frame and on the door.
2. Attach closer to door with speed regulating valves positioned away of the hinges side.
3. Attach PA plate to top jamb surface as shown.
4. Remove shoe from forearm as shown and discard it.
5. Rotate the bottom pinion about 45° towards the hinges and place the main arm on the top pinion to position as shown in the illustration. Fasten with arm screw.
6. Fasten forearm to PA plate.
7. Adjust forearm length to set the 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. (Same to Page 2)

For DO0114 size 1-4 power setting, please reference Page 1.

For DO0115 size 1-5 power setting, please reference Page 4.

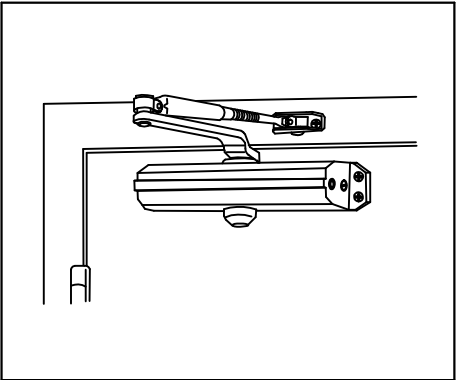


IMPROPER INSTALLATION OR ADJUSTMENT MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE. FOLLOW ALL INSTRUCTIONS CAREFULLY.

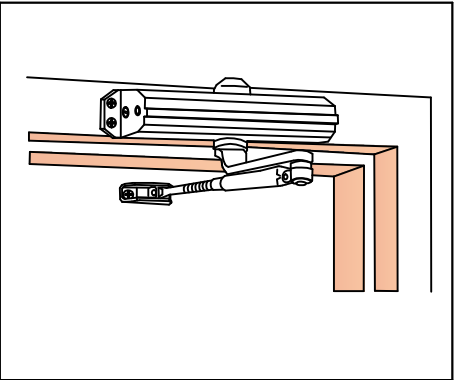
DO01 SERIES DOOR CLOSERS INSTALLATION INSTRUCTIONS

Model:DO-0114 Size 1-4 / DO-0115 SIZE 1-5

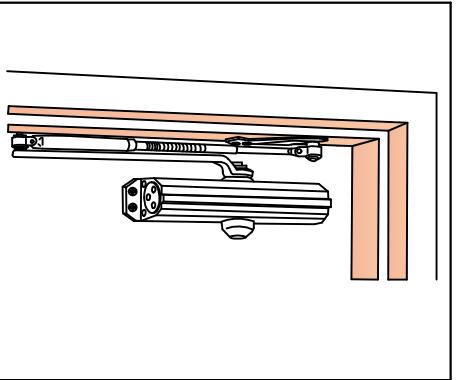
MOUNTING APPLICATIONS:



Regular Arm(Pull Side)



Top Jamb(Push Side)

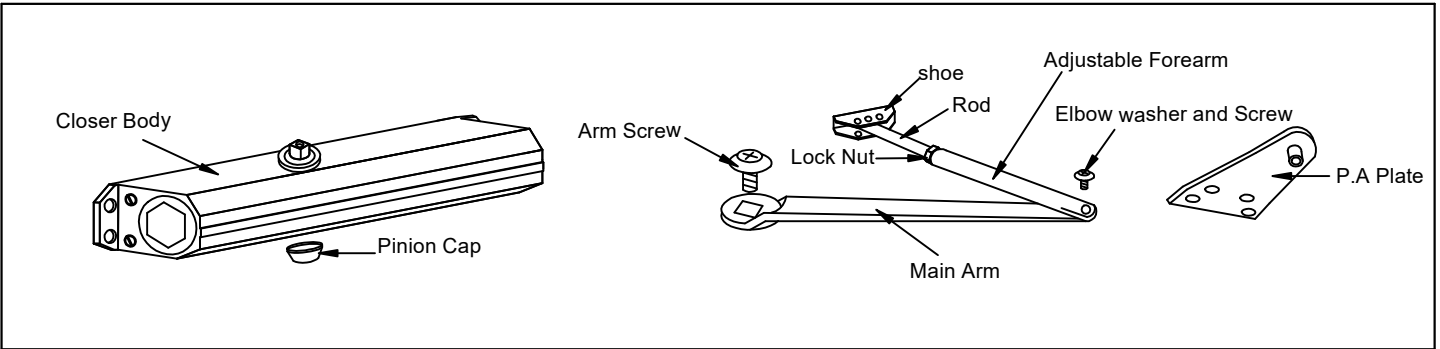


Parallel Arm(Push Side)

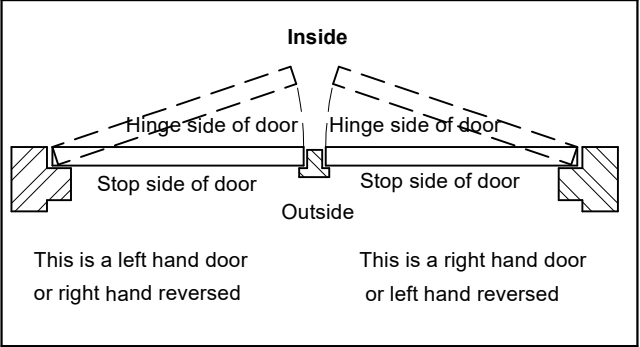


Improper installation and/or adjustment may result in personal injury or property damage. Follow all instructions carefully.








DOOR CLOSER ACCESSORIES/PARTS



DOOR HANDING



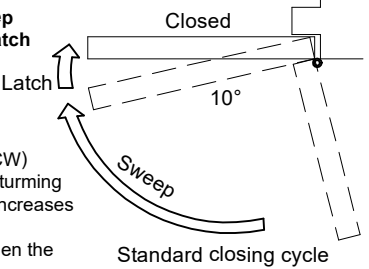
DO0114 POWER SIZE SETTING AND DOOR WIDTH

Regulating Arm & Top Jamb Installation				Parallel Arm Installation			
Maximum Size of Door							
Closer Size	Interior	Exterior Inswing	Exterior Outswing	Closer Size	Interior	Exterior Outswing	Full 360° Turns
1	28"			1			-4 Turns C.C.W
2	36"			2	30"		0 Turn
3	42"	30"	36"	3	36"	30"	4 Turns C.W
4	48"	36"	42"	4	42"	36"	12 Turns C.W

DOOR CLOSING CONTROL

The door closing speed is controlled by 2 different speed control valves: Sweep speed control valve and Latch speed control valve.

Turning the valve Clockwise(CW) reduces the closing speed and turning the valve Counter-Clockwise increases the closing speed. First adjust the sweep speed, then the Latch speed

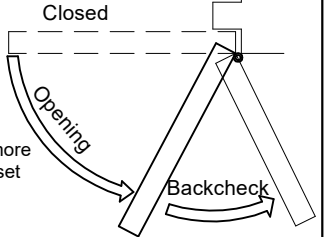


DOOR OPENING CONTROL

The backcheck is used to cushion the door opening after about 75° opening. Never close the valve completely. The backcheck is not designed to provide a hard stop.

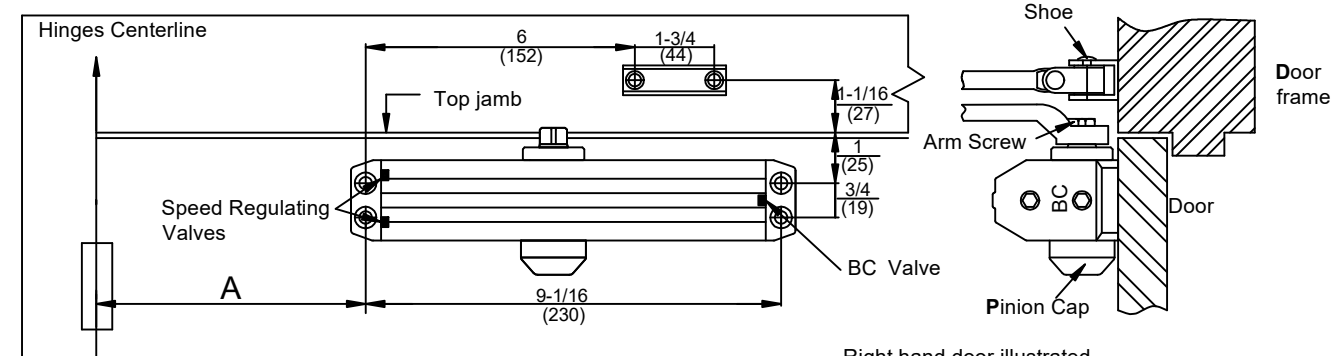
ATTENTION:

Do not turn the backcheck valves more than 2 turns CCW from the factory set position, as the valves may get dislodged from the closer body, resulting in loss of fluid, failure of the device and potentially personal injury.



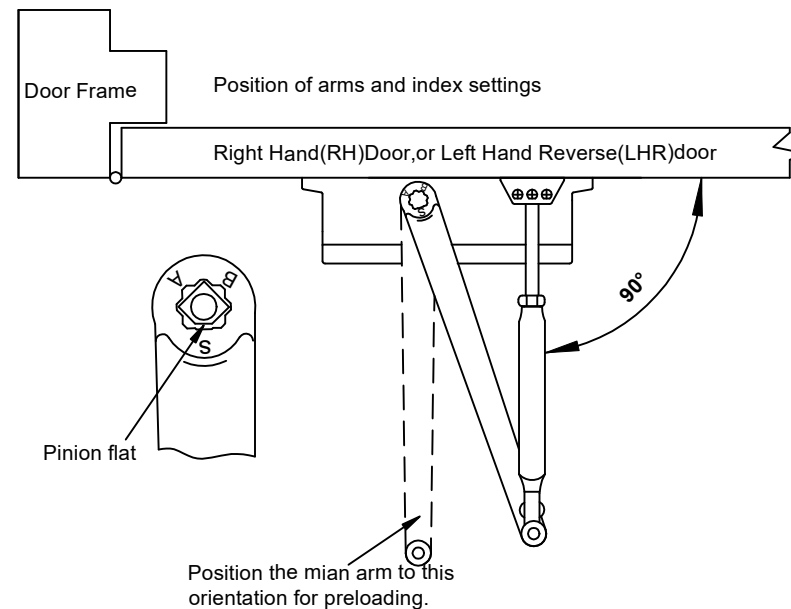
REGULAR ARM(PULL SIDE)

INSTALLATION INSTRUCTIONS



Dimension Model No.:	Dimension "A"		Opening Angle
	Inch	mm	
DO-01	6	152	120°
	3-1/2	89	180°

Right hand door illustrated same dimensions apply to left hand door. Measured from hinge Center. Dimensions are in inches (mm) Do not scale drawing

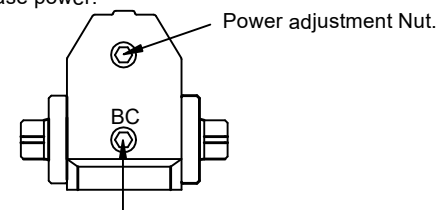


INSTALLATION STEPS:

1. Select opening angle of the door. Use Dimensions as shown to drill mounting holes on door and door frame.
2. Attach the closer body to door with speed regulating valves toward the hinge.
3. Assemble main arm to closer top pinion shaft.
4. Attach the foearm shoe to the door frame.
5. Adjust length of the forearm to position forearm at right angle to the door leaf 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 SIZE AND BACK CHECK ADJUSTMENT

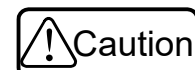
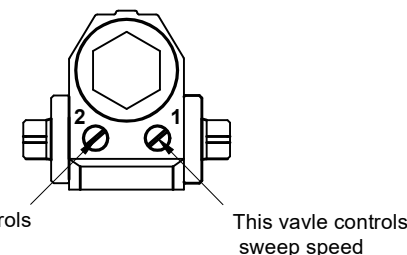
Adjust the spring power as chart in page 1. DO NOT exceed the maximum turns. The spring power has been reset on size 2 in factory. Turn this screw clockwise to increase or counter clockwise to decrease power.



Turn BC regulating valve clockwise for a harder cushion and counter-clockwise for a softer cushion. NEVER close this valve completely.

SWEEP AND LATCHING SPEED ADJUSTMENT

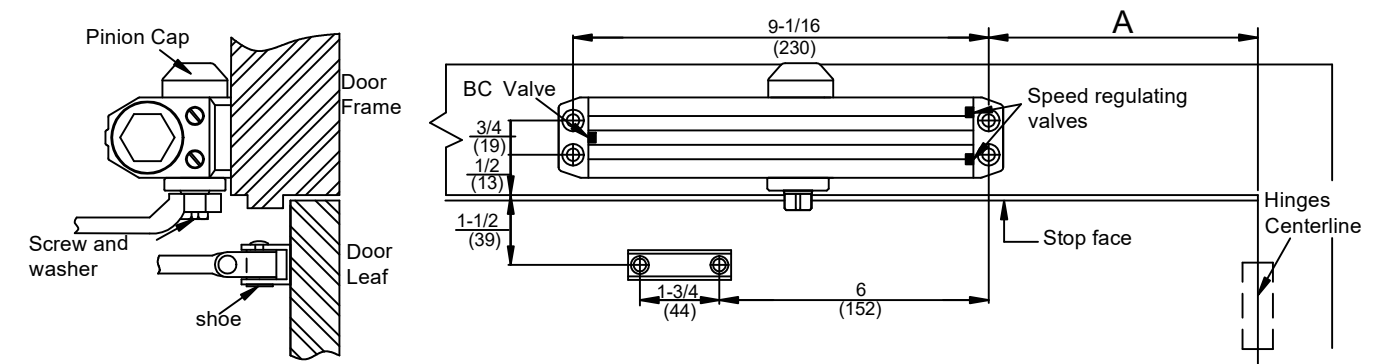
Turn speed regulating valve colockwise to slow down or counter clockwise to speed up door movement.



IMPROPER INSTALLATION OR ADJUSTMENT MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE. FOLLOW ALL INSTRUCTIONS CAREFULLY.

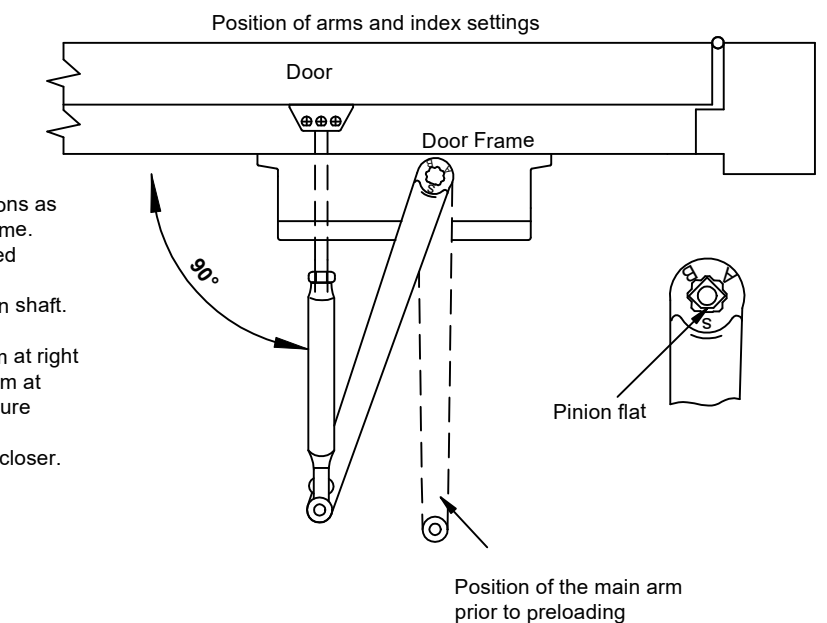
TOP JAMB MOUNTING (PUSH SIDE)

INSTALLTION INSTRUCTIONS



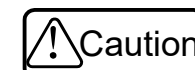
Dimension Model No.:	Dimension "A"		Opening Angle
	Inch	mm	
DO-01	6	152	120°
	3-1/2	89	180°

Right hand door illustrated same dimensions apply to left hand door. Measured from hinge Center. Dimensions are in inches (mm) Do not scale drawing



INSTALLATION STEPS:

1. Select opening angle of the door. Use dimensions as shown to drill mounting holes on door and frame.
2. Attach the closer body to door frame with speed regulating valves toward the hinges.
3. Assemble main arm to the closer bottom pinion shaft.
4. Attach the shoe and forearm to the door.
5. Adjust length of the forearm to position forearm at right angle to the 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 the closer.
7. Adjust closer. (Same to Page 2)



IMPROPER INSTALLATION OR ADJUSTMENT MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE. FOLLOW ALL INSTRUCTIONS CAREFULLY.