

INSTALLATION INSTRUCTIONS

Power sizes 1 thru 6

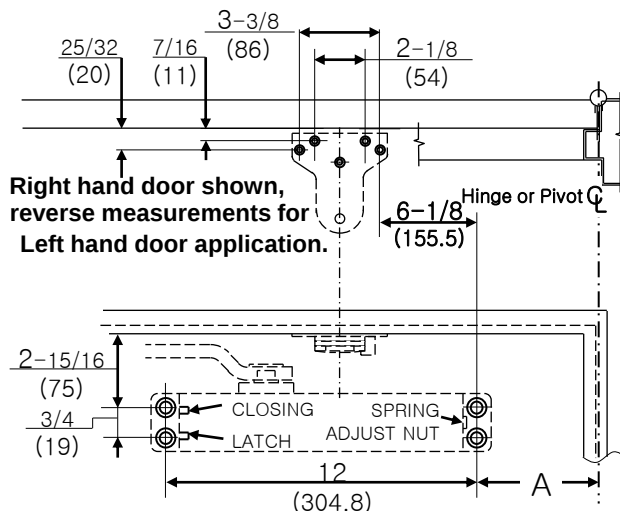
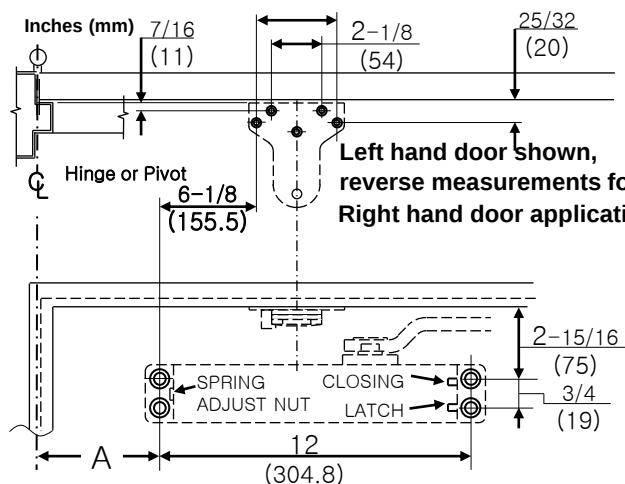
- Heavy-Duty Non-Hold Open Parallel Arm w/Removable Stop
- Heavy-Duty Hold Open Parallel Arm w/ Thumbturn and Removable Stop

1 Using the measurements from diagram, mark screw hole center locations. Mark four (4) holes on door to mount door closer and five (5) holes on frame to mount parallel bracket. Drill 7/32" or drill #7 and tap for 1/4-20.

Metal	Wood
 #7	 3/16"
 1/4-20	

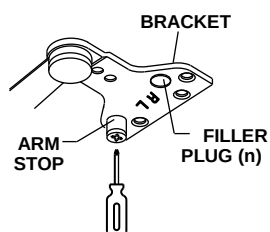
! Incorrect installation or adjustment could cause damage or injury. Read and follow instructions carefully.

OPENING	DIMENSION A
85° ~ 90°	3 (76)
90° ~ 95°	2-13/32 (61)
95° ~ 100°	1-13/16 (46)
100° ~ 105°	1-1/4 (31)
105° ~ 110°	5/8 (16)

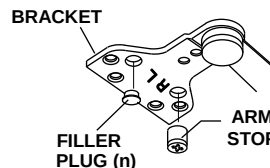


2 BRACKET ADJUSTMENT

All brackets are shipped assembled for left hand door. The following adjustments must be made before installing bracket to top frame.

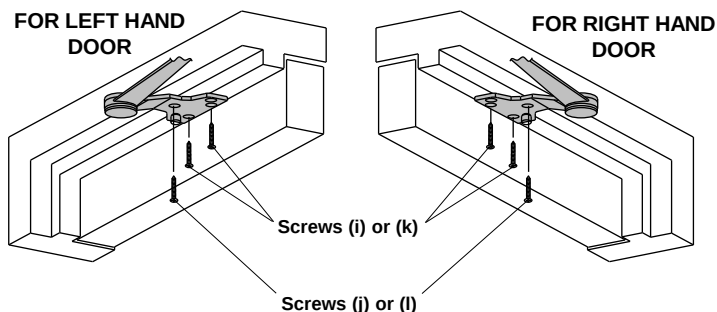


FOR LEFT HAND DOOR: Using the phillips screwdriver, turn the REMOVABLE ARM STOP clockwise to seat as tightly as possible. Push filler plug in firmly.



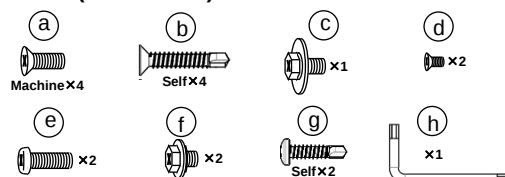
FOR RIGHT HAND DOOR: Remove filler plug from bracket. Using the phillips screwdriver turn the REMOVABLE ARM STOP counter-clockwise to remove it. Insert REMOVABLE ARM STOP into hole mark "R" and using the phillips screwdriver, turn clockwise to seat as tightly as possible. Push filler plug into the other hole firmly.

3 Installing bracket to top frame.

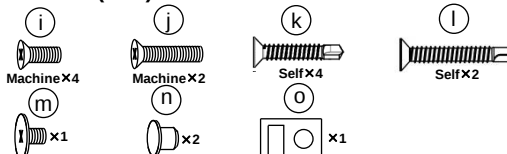


Components

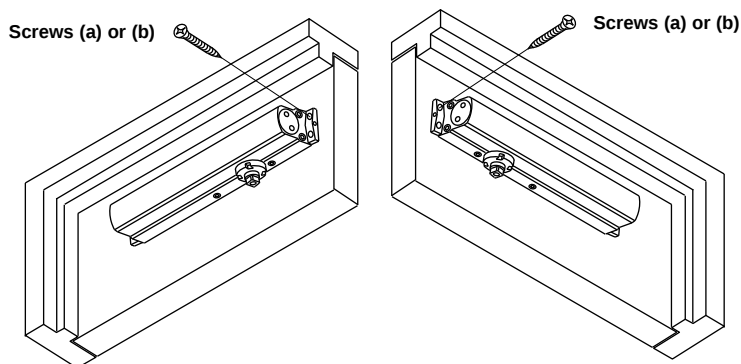
Screw Pack (Door Closer)



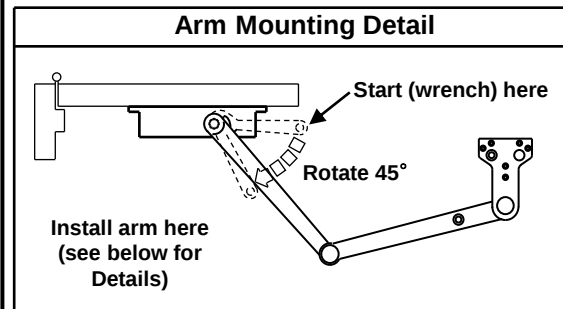
Screw Pack (Arm)



- 4** Mount closer on door using screw.
SPEED ADJUSTING VALVES MUST BE POSITIONED
AWAY FROM HINGE SIDE.



- 5** Place main arm on closer pinion shaft.
Tighten the screw (c) or (m)



6 DOOR CLOSER ADJUSTMENT

Use 4mm Hex For this

Power Adjusting Screw

INCREASE
DECREASE

CLOCKWISE FOR POSITIVE NUMBERS (+)
COUNTER-CLOCKWISE FOR NEGATIVE NUMBERS (-)

4mm Wrench

BACK CHECK Adjusting Valve

LATCH Adjusting Valve

SWEEP Adjusting Valve

POWER ADJUSTMENT CHART

DOOR CLOSER SIZE	FULL TURNS OF POWER ADJUSTING SCREW	APPLICABLE DOOR LEAF WIDTH		APPLICABLE DOOR WEIGHT
		INTERIOR	EXTERIOR (SWING OUT)	
1	- 8	32" (0.81m)	28" (0.71m)	33 ~ 56 LBS (15 ~ 30 Kg)
2	- 4	36" (0.91m)	32" (0.81m)	56 ~ 99 LBS (30 ~ 45 Kg)
3	0 (PRESET)	42" (1.07m)	36" (0.91m)	99 ~ 143 LBS (45 ~ 65 Kg)
4	+ 3	48" (1.22m)	42" (1.07m)	143 ~ 187 LBS (65 ~ 85 Kg)
5	+ 8	54" (1.37m)	48" (1.22m)	187 ~ 264 LBS (85 ~ 120 Kg)
6	+ 11	58" (1.47m)	54" (1.37m)	264 ~ 330 LBS (120 ~ 150 Kg)

CLOSING CYCLE

OPENING CYCLE

CAUTION!! Do not turn speed adjusting valve more than two(2) full turns counter-clockwise. Do not back valves out of closer or a leak will result.

- 7** Install full cover, using small screws.

HOW TO ENGAGE THUMBTURN

Turn one quarter turn to engage or disengage.

