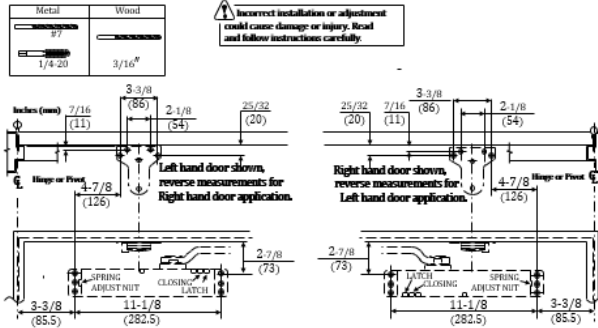


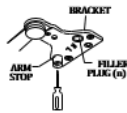
- Heavy-Duty Non-Hold Open Parallel Arm w/Removable Stop
- Heavy-Duty Hold Open Parallel Arm w/ Thumb turn and Removable Stop

**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  $1/4"-20$ .

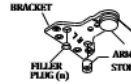


**2 BRACKET ADJUSTMENT**

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

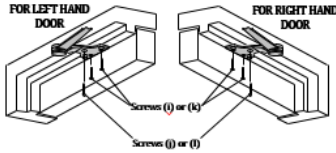


**FOR LEFT HAND DOOR:** Using the phillips screwdriver, turn the REMOVABLE ARM STOP clockwise to seat as tightly as possible. Push filler plug in firmly.



**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)**

- (a) METAL
- (b) WOOD
- (c) METAL
- (d) WOOD
- (e) METAL
- (f) WOOD
- (g) METAL
- (h) WOOD
- (i) METAL
- (j) WOOD
- (k) METAL
- (l) WOOD
- (m) METAL

**Screw Pack (Arm)**

- (n) METAL
- (o) WOOD
- (p) METAL
- (q) WOOD
- (r) METAL
- (s) WOOD
- (t) METAL
- (u) WOOD

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

Screws (a) or (b)

Screws (a) or (b)

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

**Arm Mounting Detail**

Start (wrench) here

Rotate

Install arm here (see below for Details)

**6** **DOOR CLOSER ADJUSTMENT**

**CLOCKWISE FOR POSITIVE NUMBERS (+)**

**COUNTERCLOCKWISE FOR NEGATIVE NUMBERS (-)**

Use 4mm Hex Wrench For Adjustment

Power Adjusting Screw

INCREASE

DECREASE

ADJUSTING VALVES

LATCH SWEEP

DELAYED ACTION

BACK CHECK

**POWER ADJUSTMENT CHART**

DOOR CLOSER SIZE	FULL RANGE OF FORCE ADJUSTING SCREW	APPLICABLE DOOR WEIGHTS		APPLICABLE DOOR WEIGHT
		INTRINSIC (CLOSING CYCLE)	EXTENSIVE (CLOSING CYCLE)	
1	-5	37(8.3kg)	28(6.2kg)	33-66 LBS (15-30 kg)
2	-3	30(6.8kg)	32(7.0kg)	66-99 LBS (30-45 kg)
3	0 (PREFERRED)	47(10.5kg)	30(6.8kg)	99-141 LBS (45-65 kg)
4	+3	40(1.22kg)	47(1.07kg)	141-187 LBS (65-85 kg)
5	+6	54(1.22kg)	40(1.22kg)	187-264 LBS (85-120 kg)
6	+9	58(1.47kg)	54(1.22kg)	264-338 LBS (120-150 kg)

**CLOSING CYCLE**

FASTER

SLOWER

DELAY

SWEEP

LATCH

**OPENING CYCLE**

INCREASE

DECREASE

BACK CHECK

OPENING

**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.

CLOSER

COVER

Cover

Screws (4) full cover

PARALLEL BRACKET

FOREARM

THUMBTURN (HOLD OPEN ARM)

MAIN ARM

ARM SCREW (c) or (m)

HOLD

OPEN