



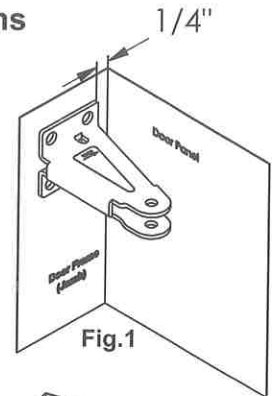
Hydraulic Closer Installation Instructions

Important Note: Before installation be sure door closes freely.

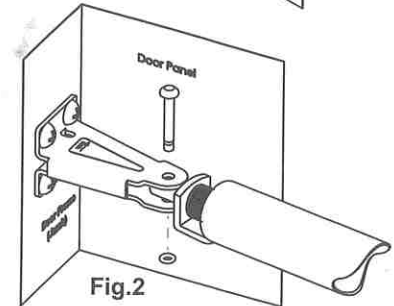
This closer may be installed on rail at top of door, on mullion strip near center, or on bottom of door - whichever is desired.

Use of a little oil or soap on threads makes driving screw easier.
Use 1/8" drill bit for all pilot holes.

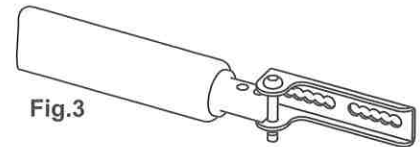
Step 1: At desired height, fasten **Jamb Bracket** to door frame with the open side 1/4" from door. Note: Moving jamb bracket up to 1" from door increases latching force but will reduce door opening. **Fig. 1**



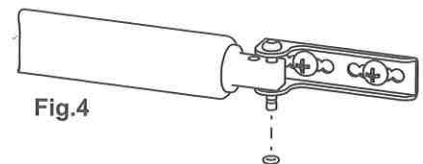
Step 2: Slide **Hold Open Release Spring** onto closer rod. Slide **Hold Open Bracket** onto closer rod with tab facing toward closer barrel. Insert closer rod into **Jamb Bracket** and attach closer rod with **Connecting Pin**. Slide **O-Ring** on the end of the **Connecting Pin** and into the recessed groove. **Fig. 2**



Step 3: Put second **Connecting Pin** into **Door Bracket**. With the door tightly closed, place **Door Bracket** on the door and butt **Connecting Pin** against the closer end plug. The closer end plug should be against the **Door Bracket**. Making sure the closer is level and **Door Bracket** is against door, mark center hole in each multi-hole slot. Drill two 1/8" holes. **CAUTION:** Do not drill through the door. **Fig. 3**

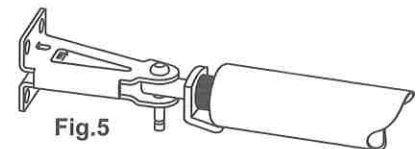


Step 4: Fasten **Door Bracket** to door using two short screws. Remove **Connecting Pin** from **Door Bracket**. Pull the closer barrel to align end hole of closer end plug with the hole in the **Door Bracket** and insert **Connecting Pin**. Slide **O-Ring** on the end of the **Connecting Pin** and into the recessed groove. **Fig. 4**



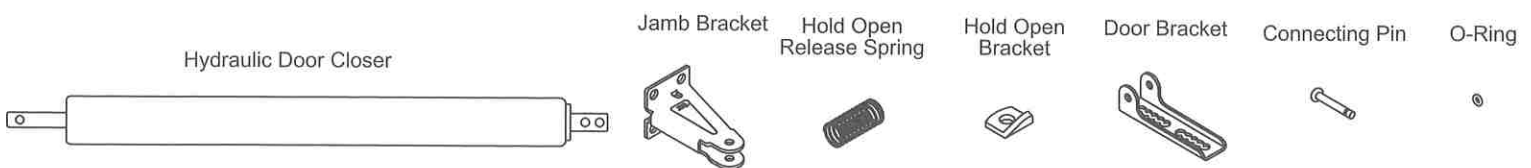
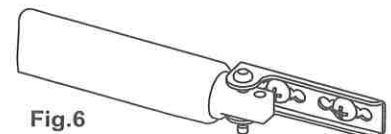
Step 5: Closer Speed Adjustment

To adjust closer speed open the door slightly and engage **Hold Open Bracket**. Remove **Connecting Pin** from **Door Bracket**. Rotate the closer barrel clockwise for slower door closing or counter clockwise for faster door closing. **Fig. 5**



Step 6: Winter / Summer Latching Force Adjustment

The installation above is recommended for winter use, or when the glass storm panel is in place. For smoother, quieter closing hold the door open with the **Hold Open Bracket** and remove the **Connecting Pin** from the **Door Bracket**. Reinstall the **Connecting Pin** into the rear hole of the closer end plug. This position is recommended for summer use when the screen panel is in place. **Fig. 6**



STRAP CHAIN INSTALLATION INSTRUCTIONS

STEP 1. Cut out the rectangular template and fold on the dashed line.

STEP 2. Measure 12 inches from the hinge side of the door jamb and draw a vertical line on the inside surface of the door. Place the folded template against the inside surface of the door and against surface of the top (head) jamb with the edge of the template aligned with the line drawn on the door. **NOTE: The edge of the template must be placed on the vertical line and toward the latch side of the door.** It is helpful to tape the template in position. See **FIG. 1** for doors with hinges on right when viewed from inside & **Fig. 2** for doors with the hinges on the left when viewed from inside.

STEP 3. Mark the centers of the four holes (two on the door and two on the top (head) jamb). Drill four 5/32" holes for mounting screws. **CAUTION:** Do not drill through the door.

STEP 4. Attach "V" Bracket to top (head) jamb with two long screws in the pilot holes drilled in **STEP 3.** The tab with the hole containing the draw bar should be toward the door. **FIG. 3**

STEP 5. Place the flat **STRAP BAND** against the door. **NOTE: The DRAW BARS** should be perpendicular to each other, **FIG. 4.** If they are not rotate the **STRAP BAND** to place its opposite face against the door. See **FIG.5** for doors with hinges on the right viewed from inside door. **FIG. 6** for doors with hinges on the left viewed from inside door.

STEP 6. Place the **SUPPORT PLATE** over the **STRAP BAND** with the angled tab away from the door and toward the hinge side. Attach to the door with the two short screws in the pilot holes drilled in door in **STEP 3.**

