**PREPARATION**
MEASURING HEIGHT AND WIDTH OF FRAMED OPENING AND COMPARE WITH DIMENSIONS, FRAMED OPENING DIMENSIONS MUST MEET FOLLOWING TOLERANCES:
- SINGLE DOORS: HEIGHT 6'-0" MAX. 1/2" DIFFERENCE
- DOUBLE DOORS: HEIGHT 6'-0" MAX. 1/2" DIFFERENCE

IF THE FRAMED OPENING DOES NOT MEET THE DIMENSIONS WITHIN THESE TOLERANCES CALL THE FACTORY AT 1-800-647-4888

FOR PROPER INSTALLATION FRAMED OPENING MUST BE SQUARE AND PLUMED, MAKE ANY NECESSARY ADJUSTMENTS TO SQUARE AND PLUMB OPENING. DORLETT DOORS MUST BE INSTALLED FLUSH.

**TOOLS REQUIRED**
- ELECTRIC DRILL
- DRILL BIT SIZES
- CENTER PUNCH
- WRENCHES
- PLUMB BOSS
- CHILI BIT (SEE DRILL BIT SIZES) "drill" 3/16" ALUMINUM
drainage (Preferably 3/16"
- 1/4" RADIUS DRILL BIT
- 1/4" SOCKET (Hinge Seat)
- 3/16" SOCKET (Jamb Seat)
- 1/8" SOCKET (Jamb Seat)
- 1/4" SOCKET (Header Mounting)
- 1/16" SOCKET (unlocking)

**DRILL BIT SIZES**

**FASTENERS (Included)**
- FOR STEEL JAMB: USE 5/16" X 1" TAPPING SCREWS ON JAMB SIDE (BACK) & VAM ASSEMBLY SIDE (FRONT)
- FOR WOOD JAMB: USE 5/32" X 1" TAPPING SCREWS ON JAMB SIDE (BACK) & VAM ASSEMBLY SIDE (FRONT)

**WEDGE ANCHORS**

**Figure 1**

**Important:** DO NOT ATTEMPT TO INSTALL THE DOOR/DOORS IF THE 1/2" BLACK ABS SHIMS ARE NOT MOUNTED TO THE BACK OF THE VCAM (1) AND LOWER HINGE GUARD (2)!!!

**Step 1. Marking & Drilling Pilot Holes**

**Important Note:** If the flooring material is to be added at a later time it will be necessary to adjust the height of the door accordingly. The entire lower hinge assembly must be raised 1/4" to accommodate the thickness of the flooring material to be applied. It is recommended that you use a temporary shim, or spacer, under the base of the lower hinge guard while installing the door.

Place the Lower Hinge Guard (2) into the lower corner of the jamb floor, see Figure 2. Center the Lower Hinge Guard with the jamb as shown in Figure 1. Mark the holes on the jamb for center punch. Place the V-Cam Assembly (1) in the upper corner of Jamb/Header as shown in Figure 2. Center the V-Cam Assembly with the jamb header and mark holes with pencil or center punch. Drill the marked holes on jamb and header with appropriate size drill bit, see "DRILL BIT SIZES" at left.

**Step 2. Upper Hinge Assembly**

Remove the Roller Assembly (5) from the Upper Hinge Post (6), DO NOT REMOVE THE BUSHING (5), Place the V-Cam Assembly (1) over the Upper Hinge Post (6), Slide the Roller Assembly (5) onto the Upper Hinge Post above the inside flat of the V-Cam oriented with the bearing wheel facing down (see Figures 1 & 6). Note: Do Not Tighten Caps Screws on the Roller Assembly at This Time.

**Step 3. Mount Door in Opening**

Lift the door panel and slide the Lower Hinge Guard (2) into the top hole of the Lower Hinge Guard (2), see Figure 1. Place the 1/2" thick ABs shim between the lower hinge guard and the jamb. Slide door assembly into the jamb and line up with the pivot hole (5) in the roller assembly. It may be necessary to install the roller assembly in the hole provided to fit the pivot hole to the roller and allow it to be installed. Once inside the jamb you can lift the V-Cam and Roller Assemblies to the upper corner as indicated by the arrow in Figures 3 & 4. Place the 1/2" Thick ABs shim between the V-Cam Assembly and the jamb. Insert the 2" Teks Screws (11) into the bottom sides and top jamb sides of the V-Cam Assembly (1) and tighten securely. Insert a 2" Teks Screw (11) into the top hole of the V-Cam Assembly (1) at the header (Optional) and tighten securely.

**Step 4. Setting Door Swing**

Lift the door panel and place the Door Adjusting Shim (6) between the Lower Hinge Guard (2) and the lower hinge cutout on the door panel. See Figure 1. IMPORTANT: Do Not Allow Door Adjuster Shim To Be Raised Past Top of VCAM Faceplate. See Figure 5. Line up the centerline of the panel (5) with the centerline of the header and tighten the TOP CAP Screw on the Roller Assembly (2) securely, see Figure 6. Lift the door high enough to gain access to the Lower Cap Screw on the Roller Assembly (2), see Figure 6. Tighten the Lower Cap Screw securely, Remove "Adjuster Shim." Open the door completely and let it go, allowing the door to rest in the center of the opening. If the door is resting in the center of the opening and is completely closed, proceed to Step 5. WARNING: FAILURE TO COMPLETE THE INSTALLATION OF THE ROLL PIN AS DIRECTED IN THESE 5 STEPS OF INSTRUCTIONS WILL VOID ALL WARRANTIES ON THIS PRODUCT.

**Step 5. Roll Pin Installation**

Wipe a Paper Towel over the frame inside of the hole (1) at the post. This will help prevent aluminum and installation oils from entering the bushing when drilling for the roll pin. Use the 3/16" Drill Bit (Included in Hardware Pack - Do Not Substitute), drill a penetrating hole completely through the roller assembly (2) at the centerpoint shown in Figure 9. Note: The Drill Bit and Allen Wrench will be on the RIGHT SIDE HARDWARE PACK for Double/Bi-Parting Doors.

The 3/16" Hole Must Go Completely Through The Aluminum Roller Arm & Hinge Post, See Figure 10. Locate the 3/16" Roll Pin supplied in your hardware pack, Using a Hammer gently tap the roll pin into the 3/16" hole until an equal amount of roll pin is showing on each side (approx. 1/2"), See Figure 10.

**Step 6. Hinge Seal Installation**

Make Absolutely Sure that the Snap Bushing (5) is pressed all the way down to the bottom of the Upper Hinge Shaft (5) with the Flanged Side Up, see Figure 7. Grasp the Hinge Seal Riser (9) firmly by your hand with the opening away from you and toward the Upper Hinge Shaft (5), as shown in Figure 7, and Press the Hinge Seal Riser (9) into the Snap Bushing directly below the Flange.

**Important Note:** The Hinge Seal Riser (9) should rotate freely around the Snap Bushing and Upper Hinge Shaft. If the Hinge Seal Riser does not rotate freely it may be necessary to remove the Hinge Seal Riser and scrape the inside edges of the cabinet. Locate the lower edge of the Hinge Seal Wrap (8), Hold the Hinge Seal Wrap (8) with the smooth side toward the header as shown in Figures 1 A. Place one side of the Hinge Seal Wrap at the back edge of the V-Cam Assembly and line up the mounting holes in the Hinge Seal Wrap with the two mounting holes on the basic of the V-Cam Assembly. Insert two of the # 1/2" Teks Screws (16) through the holes in the Hinge Seal Wrap and into the V-Cam Assembly, DO NOT COMPLETELY TIGHTEN THE SCREWS AT THIS TIME. Slide the free end of the Hinge Seal Wrap through the opening between the V-Cam Assembly and the Door Panel, Line up the mounting holes and insert two of the #1/2" Teks Screws (16). The #1/2" Teks Screws must fill all of the two slots on the sides of the Hinge Seal Riser (9). Make any necessary adjustments to ensure that the Hinge Seal Riser moves up and down freely without binding. Hold the top of the Hinge Seal Wrap so it is in contact with the jamb. Using the #1/2" Teks Screws (16) securely, DO NOT OVER TIGHTEN THESE SCREWS OR YOU WILL DAMAGE THE HINGE SEAL WRAP.

**Step 7. Top Seal Installation**

The Top Seal (12) is cut to length at the Factory (Some trimming may be required). Remove the Paper from the Double Sided Tape on the back side of the Top Seal, Place the Top Seal in the center of the header with the Taped Side Up, Figure 8. Top Seal must fit between the Hinge Seals on Double Doors and between the Hinge Seal and opposite jamb on Single Doors. Once the Top Seal is placed in the desired position, Insert the 24 x 1/16" Teks Screws (17) and tighten securely. You wish to drift pilot holes, use top seal as a template.