Assembling the KD or Knock Down Frame

After you have unpacked the frame, start identifying your sill (sill can be identified by weep holes), head and jambs.

Be sure to assemble the frame one corner at a time. Saw horses are recommended to keep the frame profiles off the ground and safe from damage during assembly. You will notice that the butt ends of the frame have joining gaskets. Using the provided alcohol wipes (Fig.1), clean the area where the jambs gaskets will be adhering to the head and sill. Remove the liner from the gasket (Fig.2). Repeat the steps for the jambs to header.

After the jambs are adhered to the sill and head use the packaged screws to insert into the predrilled holes in the jambs and fasten (Fig.3). Use the 8 x 2½ pan head screws to join and align the frame components, do not overtork.

Apply the provided seam sealer SM5555 around the frame joints (Fig.4). Once the seam sealer has been applied now apply the provided frame tape to the jamb to sill joint on both sides (Fig.5). Apply by removing the liner (Fig.6) and wrapping tape around the joint, once applied remove the Mylar backing (you may need a razor blade to remove) (Fig.7). Now work the tape into any voids in the frame to ensure a good seal. Apply the provided KD nail fin corners to the head and jamb joint on both sides using the SM 5555 seam sealer (Fig.8).
After the jambs are adhered to the sill and head use the packaged screws to insert into the predrilled holes in the jamb and fasten. Use the 8 x 2½ Pan head screws, don’t overtork!

Wipe down all four corners with alcohol wipes (provided)

Remove the liner from the gasket, repeat. The steps for the jamb to header

Apply the provided seam sealer SM5555 around the frame joints (Fig.4) Once the seam sealer has been applied now apply the provided frame tape to the jamb to sill joint on both. *Don't forget to remove the liner.*
Example of New Construction Install & Carrier Clearance

Center of frame should be 3/16" higher than jamb sides

* Panning system recommended by Manufacturer in accordance with A.A.M.A. Installation Guidelines.

Install Frame

* Note: When penetrating the sill pan flashing with fasteners, pre-drill the holes, apply sealant into cleaned out hole, attach the fasteners, then seal over fastener heads with appropriate sealant. (Fasteners not supplied for header or sill).
INSTALLATION INSTRUCTIONS

HINGES

CARRIERS AND GUIDES

IMPORTANT
THOROUGHLY CLEAN INSIDE OF TOP TRACK BEFORE INSTALLING ROLLERS

ASSEMBLY - REVERSIBLE

INSTALLATION

TOP PIVOT BLOCK

4mm

Top Pivot Block is installed in one piece

4 Panel orientation 4 Left 4 Right
**FITTING PIVOT PANEL**

* Pre drill hole for pivot block, apply sealant before fastening screw.

* Do not use the 1½” wood screws that are provided in the hinge boxes. Use the waxed # 10 x 1” stainless hinge screws supplied by Win-Dor.

**BOTTOM PIVOT BLOCK**

* Read Before Removing Center Alignment Screw for All Panels

* Each panel comes with a Philips head alignment screw that is attached where the center hinge will go, it is there to keep the predrilled holes aligned when attaching the hinges. Start panel installation with the top hinge first, once the hinge is installed you can remove the guide screw.

**Recommended Hinge Sequence**

1. Top Hinge
2. Bottom Hinge
3. Middle Hinge

**Panel Adjustment**

**ADDING PANELS** Panel are Numbered Left to Right From the outside

Screws # 10 x 1”
Even Panel One Way Left or Right Install and Adjustment

**Panel Adjustment**

Panel numbering is always left to right

* After frame is installed correctly. Always start from the pivot side first. Do not open Hardware box’s arbitrarily you will mix hardware up.

* Do not use the 1½” screws that are provided in the Centor boxes. Use only the 1” waxed screws that are provided.

**Adding Panels**

Finished gap between Panel and threshold 1/4”

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**Final Adjustment**

**Surelock 5 Upgrade**

Adjustment

Centor’s new Surelock 5 technology ensures folding doors running on E3 hardware can be adjusted simply with an Allen key.

Offering seven upgrades from the original version, the new Surelock 5:

1. Ensures adjustment is self evident with insertion of an 5/16” (8mm) Allen key into the end of the pin – now you can explain adjustment over the phone to your customers.

2. Removes the problematic yellow shipping clip found at the bottom of the pin – it can’t be left in place after adjustment is finalized at installation.

3. Use of the Allen key provides more torque so the panel no longer needs to be ‘unweighted’ during adjustment.

4. Eliminates the locking wafer which had possibility of shifting off-center and scratching the panel during adjustment.

5. Allows for one-handed adjustment with the Allen key.

6. Allows you to use an extended Allen key to adjust the door from ground level – a ladder or stool is no longer required making it safer for employees.

7. Looks great, thanks to the simplified design of the pin.
Example of Hardware Placement and Panel Numbering

1 x E3 CPS Pivot Set
1 x E3 CICS Intermediate Carrier Set
1 x E3 HHS Half Offset Hinge Set
1 x E3 WPS Middle Wall Pivot
1 x DB Non-Keyed Flush bolt in Sash
2 x Centor Magnets

* Always Looking From Outside In

5.0.5 with 9/0 Height

1 x E3 CPS Pivot Set
2 x E3 CICS Intermediate Carrier Set with 2 extra E3HNH
2 x E3 HHS Half Offset Hinge Set with 2 extra E3HHNH
2 x E3 WPS Middle Wall Pivot
2 x DB Non-Keyed Flush bolt in Sash
2 x E3 EH * Place Handle 4" above Twin Bolt Handle
1 x DCAS Magnetic Catch

Pull Handle to be field installed not Predrilled
Astragal and Intermediate Carrier Assembly Installation

A  Sash has predrilled holes and machined slot for the intermediate carrier.

B  Fasten Intermediate carrier to slotted sash with screws that are provided.

C  Before applying the astragal to the sash panel make sure your sash is adjusted properly. Once the adjustment is made dry fit the astragal over the edge of the sash making sure the slot on the astragal lines up with the carrier. If the astragal seems close to the header or sill you can trim the astragal with a fine tooth chop saw (go slowly). After the dry fit is complete you can remove the double sided tape and apply to the sash. After the tape is applied you can also fasten screws through the astragal into the sash.

D  After the keepers are screwed in place, take the caps that are provided to fill in the space between the keepers.
Double Astragal  Example 1L 3 R

* Arrow pointing to a double french door style
  Example shown is a 1L 3R

Single Astragal  2R 2L
SWINGING PATIO DOOR and FOLDING DOORS

A #2 Phillips Screwdriver is required.

A hex-wrench for set screws is provided in the hardware package.

To prevent damage to the handle set while in construction phase, use the construction handle to operate the door. Lift to engage multipoint after door is closed. Push down handle to open the door.

Use water to clean. Do not use brass cleaner. It will remove the protective coating.

NOTE: Handles and back plates vary in style. For proper operation, the hardware must be installed in the following order:

1. Apply the back plate gasket (8) to the inside of the exterior back plate (1). Push gasket firmly onto plate to ensure a tight seal. Apply the back plate gasket (8) to the inside of the interior back plate (2). Apply interior (2) and exterior (1) back plates and fasten loosely with the two screws (6) provided. Note: The screw heads must be on the interior side of the door.

2. Insert the two piece handle shaft (3) into the handle. Be sure to orient the shaft (3) as shown. Screw the set screw until flush with handle using the allen wrench. See Figure 2. Note: This may seem to be a tight fit. Insert the handle attached to the shaft into the latch hole.

3. Install the interior handle on the shaft through the latch hole, pressing tightly to the back plates. Tighten the interior handle set screw with allen wrench. Screw until flush with handle.

4. Insert the keyed cylinder from the interior side of the door until it is flush with the exterior back plate. Install the cylinder screw (7) in the screw hole below the deadbolt in the edge of the door.

5. Tighten the back plate screws.

6. To change handing on latch bolt (circled in Black), grip the top and bottom with a pair of pliers, pull out when it’s free from the receiver rotate either left or right returning it back into the receiver.
Using a long Phillips #2 you can adjust the strike side locking panel which will engage the multi-lock function to \textbf{Latch and Lock}.

Even Panel One Way Left or Right Install and Adjustment
Bi-Fold Hinge Shim Installation

To make your bi-fold door installation easier, we have included hinge spacers if needed. The hinge spacer is an easy and reliable tool to help you overcome variations in sizing that can change in the welding process. Before applying any hinge shims, make sure all proper spacing and alignments have been made to your bi-fold door.

1. The hinge shim is designed for the center hinge leaf only. Make sure you shim all the hinges on the same sash. Multiple sash panels can be shimmed.

2. Remove the screws to the center leaf. Be sure to do one hinge at a time starting from the top.

3. Fold back the center leaf.

4. Remove the adhesive backing of the hinge shim.

5. Use some care when lining up the hinge shim and the center leaf. Press the shim and the center leaf together.

6. Fold back your center leaf and reinstall the screws that were taken out. Make sure not to over torque your screws.

Hinge shim size is 1\(\frac{5}{8}\)" x \(\frac{3}{16}\)" x \(\frac{1}{16}\)". The spacer comes in black only and can be doubled up.