

## Assembly Instructions

Please read and save these instructions for future reference. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with these instructions will result in voiding of the product warranty and may result in personal injury and/or property damage.

### Standard Assembly

**IMPORTANT:** For high wind rated hoods, follow assembly instructions starting on page 5.

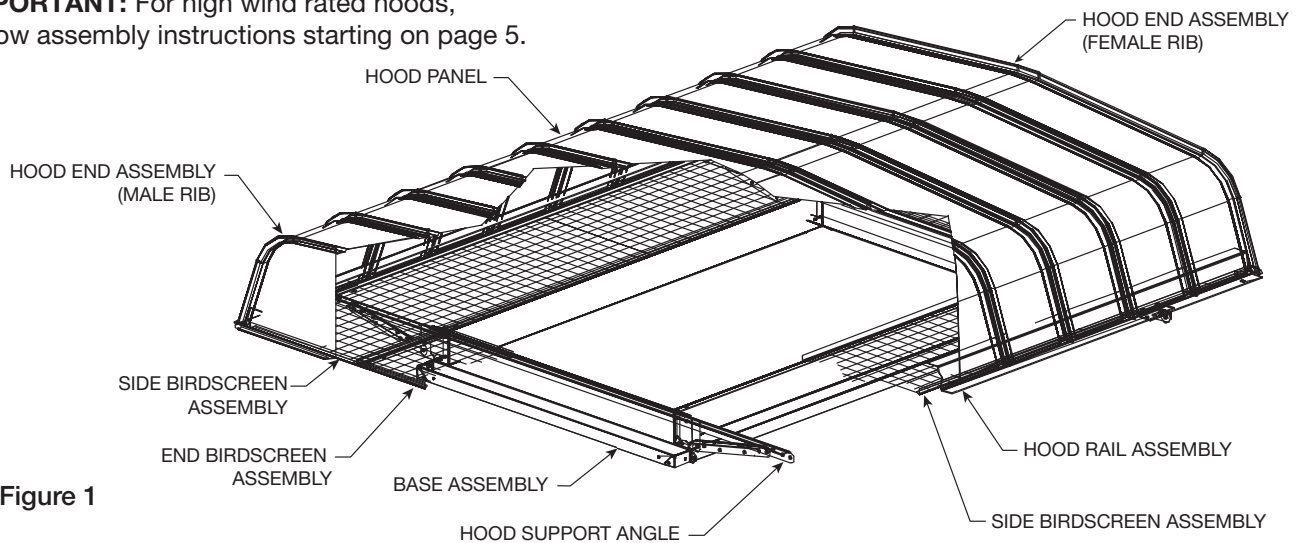


Figure 1

#### Step 1 – Open crates and separate parts

Open the shipping crates and separate the parts according to the size of the unit, refer to Figure 1.

#### Step 2 – Place BASE ENDS and BASE SIDES

Place the two base ends and the two base sides in their approximate relationship to each other, see Figure 2. Fasten together using three 1/4-20 fasteners per corner for 5 inch high base and four 1/4-20 fasteners per corner for 12 inch high base.

**NOTE:** Fasteners should be hand tightened only until Step 4.

On some units where the difference between the hood width and throat width is greater than 32 inches, a reinforcing plate is required in the corners of the base, refer to Figure 2, Detail A.

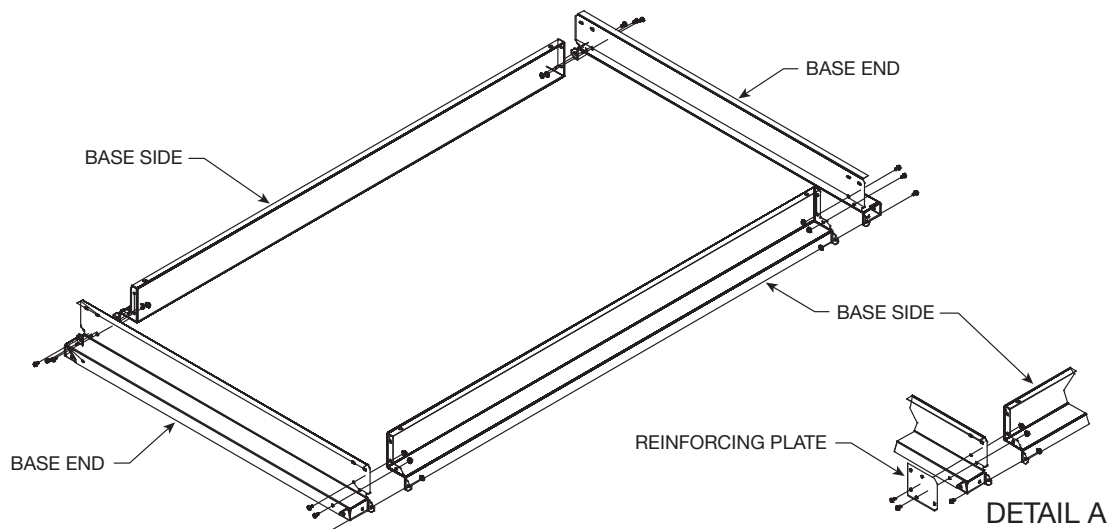


Figure 2

### Step 3 – Attach HOOD BASE ENDS to HOOD BASE SIDES

Attach the hood support angle to the base assembly, using four 1/4-20 fasteners per angle, see Figure 3, Detail B.

On some units, two diagonal braces come pre-attached to the hood support angle. Fasten the loose end of the diagonal braces to the base assembly, using one 1/4-20 fastener per diagonal brace. See Figure 3, Detail C.

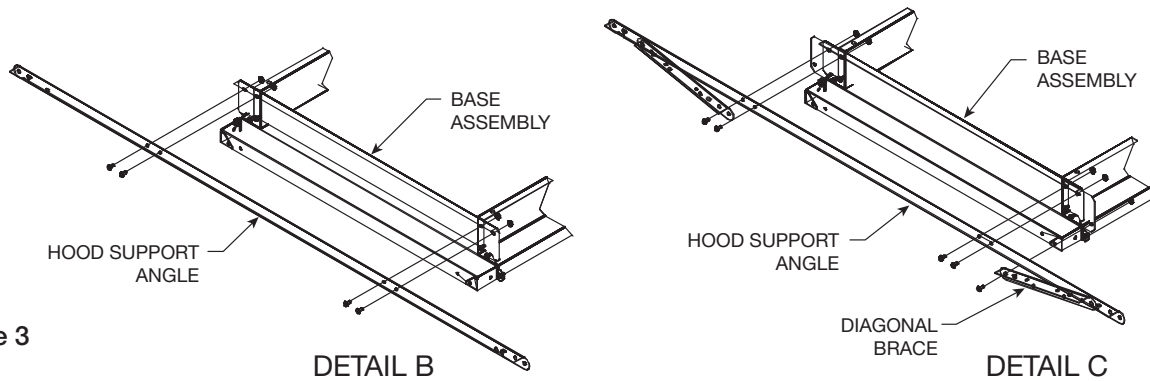


Figure 3

### Step 4 – Tighten fasteners and caulk all inside corners

Tighten all fasteners. Caulk all inside corners where the base sections come together. At this point, the base may be lifted onto the roof curb before proceeding with further assembly.

### Step 5 – Attach SIDE BIRDSCREEN ASSEMBLY to HOOD SUPPORT ANGLE

Attach the side bird screen assembly to the hood support angle and base assembly using four 1/4-20 x 1 inch fasteners per screen assembly, see Figure 4.

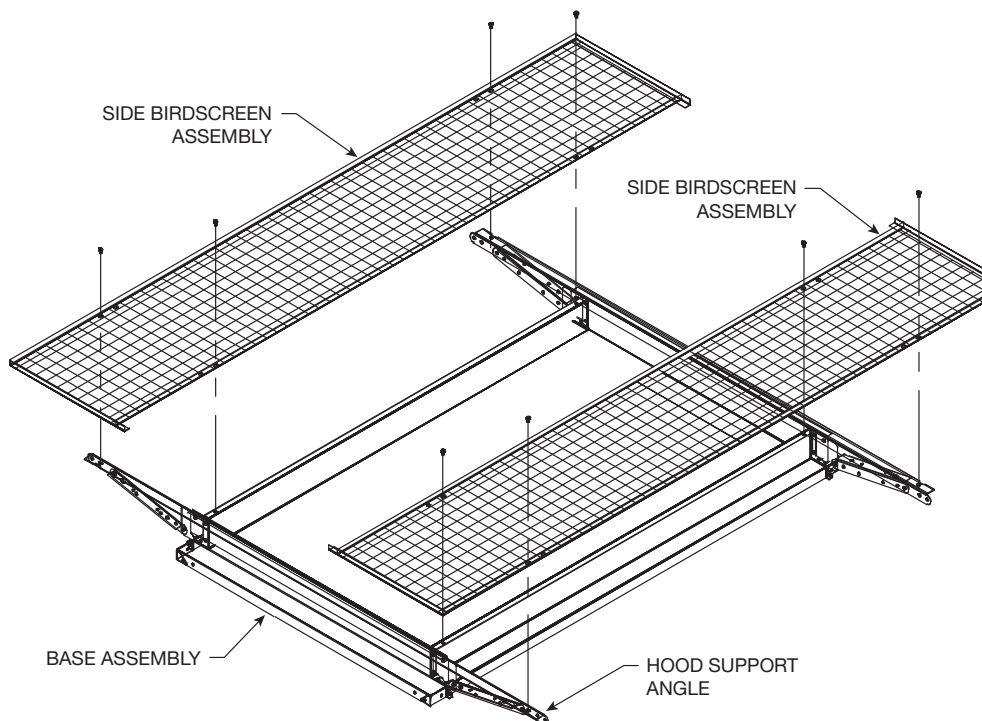


Figure 4

## Step 6 – Install END BIRDSCREEN ASSEMBLY

Install the end birdscreen assembly, refer to Figure 5. Turn the birdscreen clips (which are pre-assembled to the end birdscreen assembly) so that two are under the side birdscreen frame extension and the other two are under the hood support angle. See Figure 5, Detail D.

**NOTE:** Loosen and tighten the birdscreen clip as necessary.

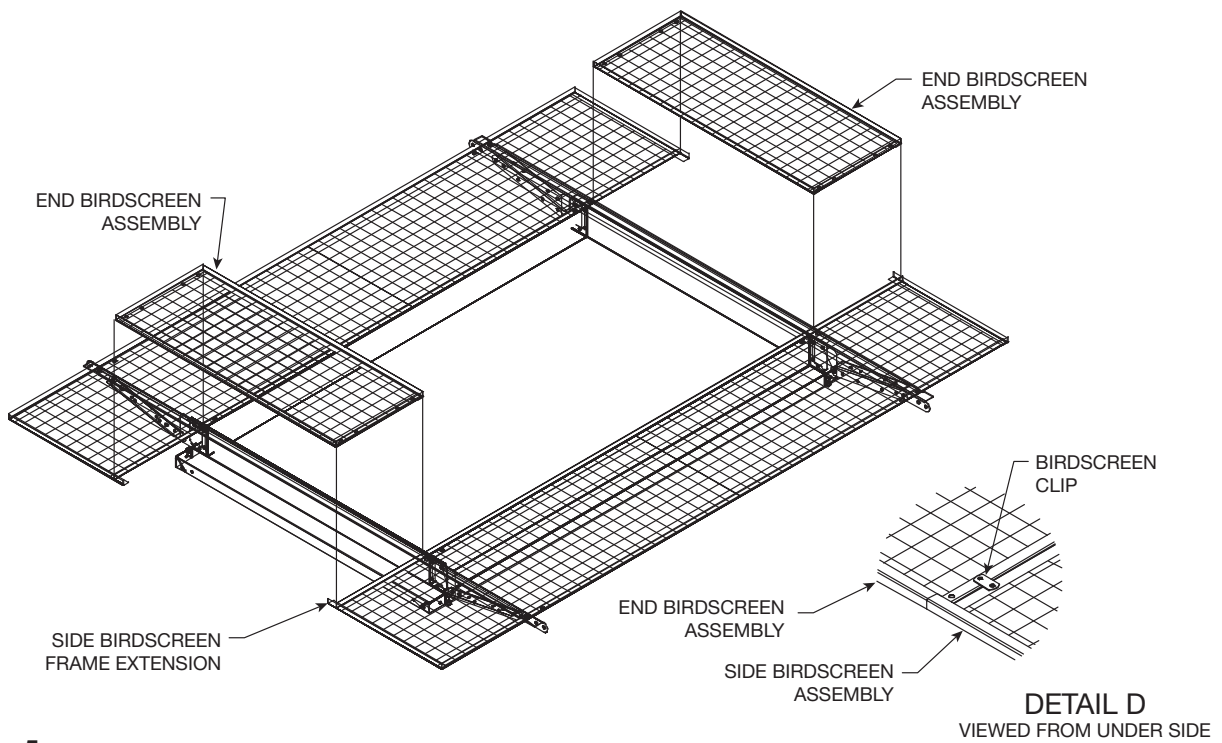


Figure 5

## Step 7 – Attach HOOD RAIL ASSEMBLY to HOOD SUPPORT ANGLES

Attach the hood rail assembly to the hood support angles, using 3/8 x 3/4 inch bolt with 3/8 inch Nyloc nut at each attachment point, see Figure 6.

**NOTE:** Fasteners should be hand tightened only until Step 9.

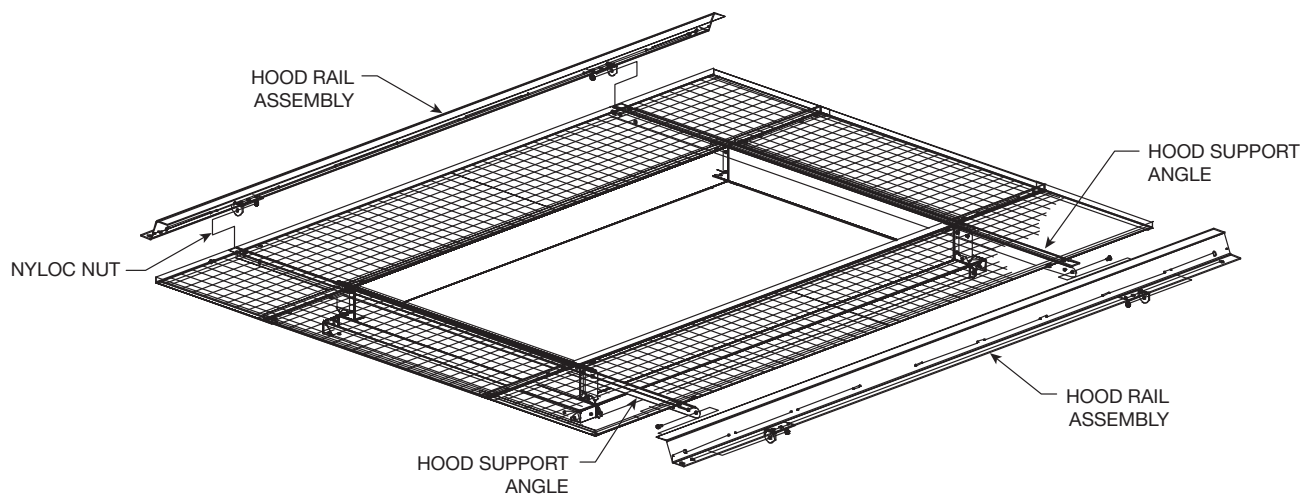


Figure 6

## Step 8 – Assemble HOOD PANELS to HOOD RAIL ASSEMBLY

Assemble hood panels to hood rail assembly. The hood end assembly with the “male rib” is to be installed first, see Figure 7, Detail E. Place the remaining hood panels in place, interlocking panels as you go, see Detail E. Secure each hood panel to the hood rail assembly as it is put in place, using four 12 x 3/8 inch sheet metal screws with sealing washers per hood panel. The hood end assembly with the “female rib” is to be installed last.

**NOTE:** Hoods over 9 feet wide are supplied with special hood clips. See Detail F. hood panels have predrilled holes for hood clip installation. Install clips as hood panels are being put in place, using one 12 x 5/8 inch sheet metal screw with sealing washer per hood clip. To install clips in the last panel, leave the end birdscreen assembly out to provide access to the underside of the hood. The end birdscreen assembly can be easily replaced after the hood is completely assembled.

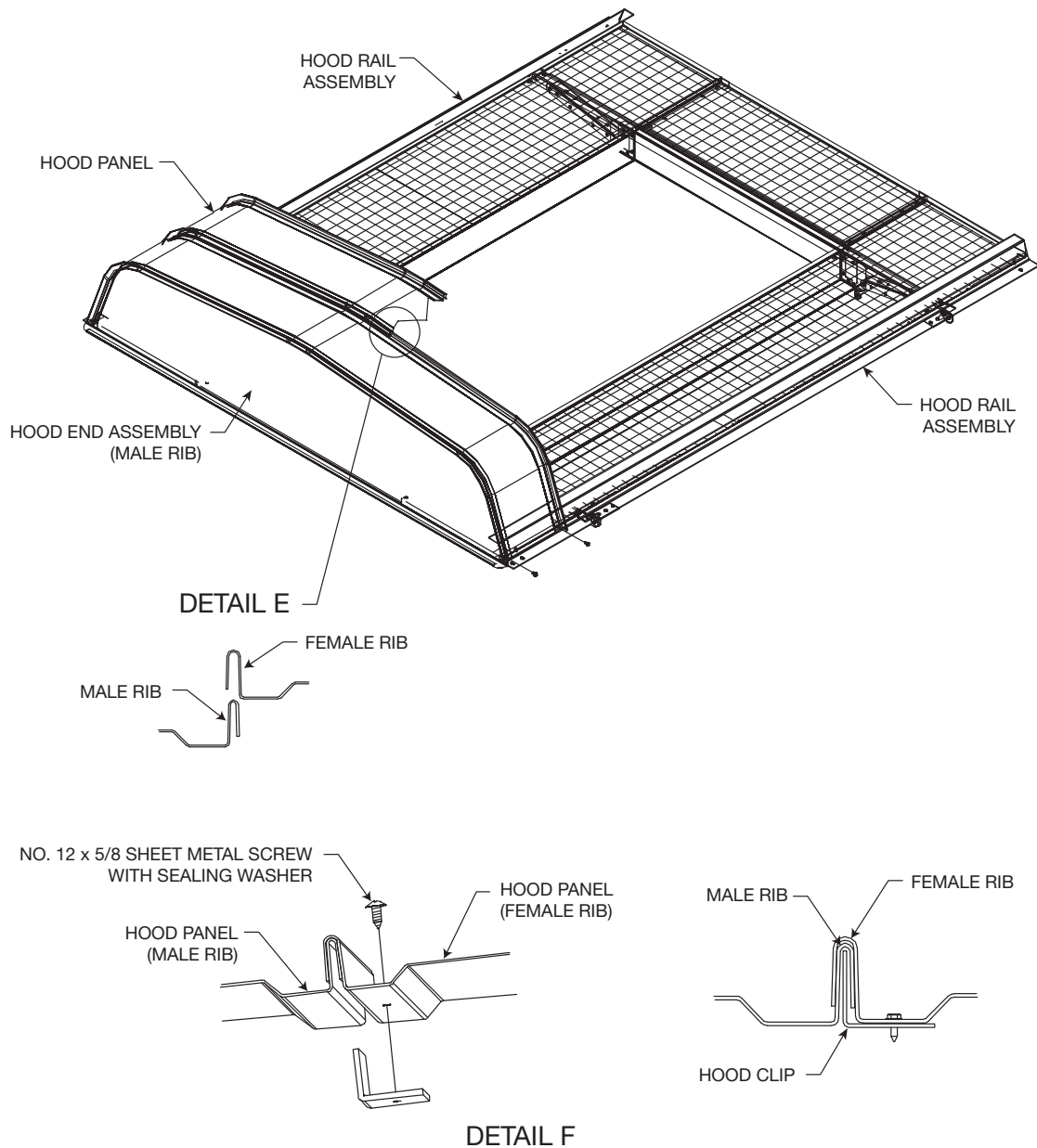


Figure 7

DETAIL F

## Step 9 – Tighten fasteners

Tighten all pivot bracket fasteners. **NOTE:** There may be extra fasteners.

# High Wind Assembly

**NOTE:** Depending on the size of the hood it may be easier to assemble unit on the ground and lift to the roof assembled. This is due to the self tapping screws that need to be fastened down the center of the hood.

**IMPORTANT:** Do not climb on top of hood to fasten screws in the center of the hood.

## Step 1 – Open crates and separate parts

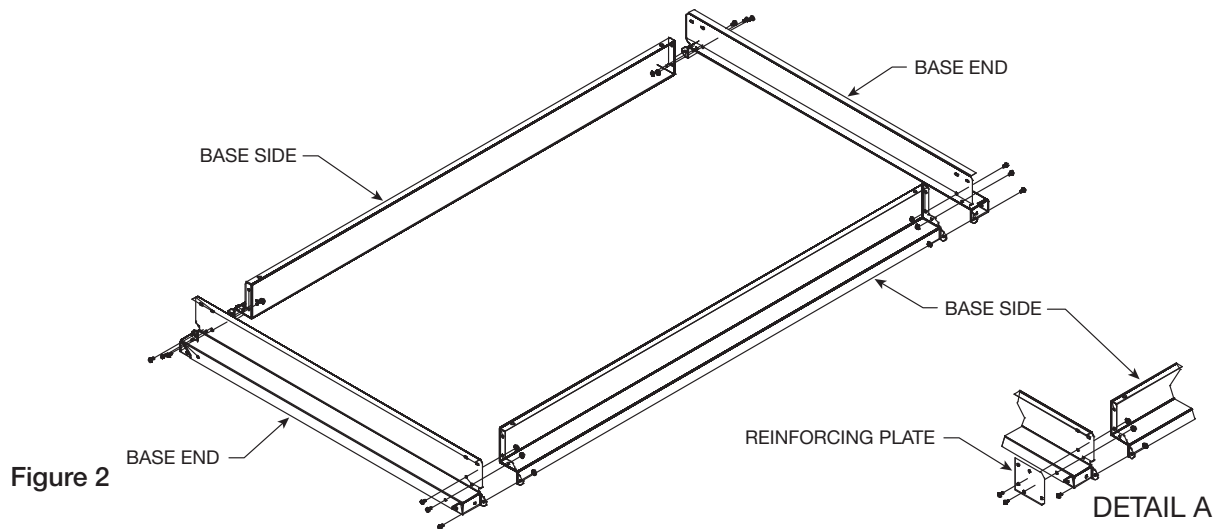
Open the shipping crates and separate the parts according to the size of the unit, refer back to Figure 1, page 1.

## Step 2 – Place BASE ENDS and BASE SIDES

Place the two base ends and the two base sides in their approximate relationship to each other, see Figure 2. Fasten together using three 1/4-20 fasteners per corner for 5 inch high base and four 1/4-20 fasteners per corner for 12 inch high base.

**NOTE:** Fasteners should be hand tightened only until Step 4.

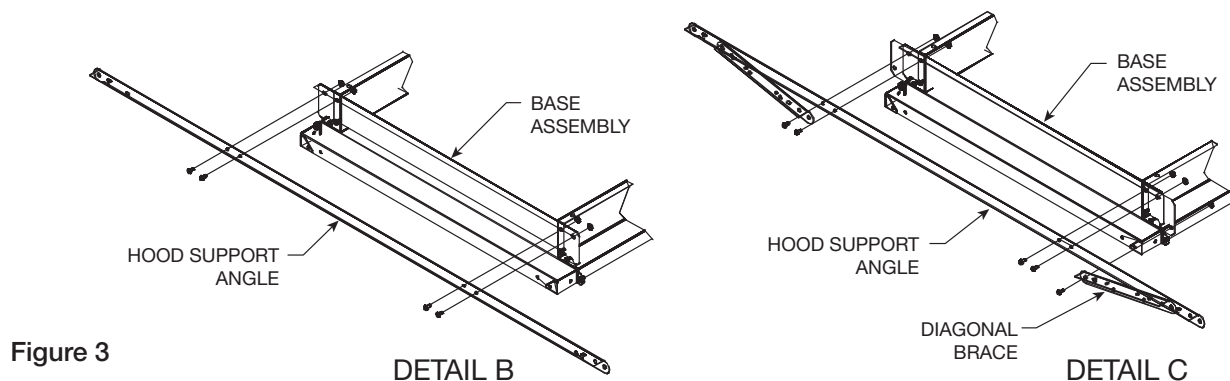
On some units where the difference between the hood width and throat width is greater than 32 inches, a reinforcing plate is required in the corners of the base. Refer to Figure 2, Detail A.



## Step 3 – Attach HOOD BASE ENDS to HOOD BASE SIDES

Attach the hood support angle to the base assembly, using four 1/4-20 fasteners per angle, see Figure 3, Detail B.

On some units, two diagonal braces come pre-attached to the hood support angle. Fasten the loose end of the diagonal braces to the base assembly, using one 1/4-20 fastener per diagonal brace. See Figure 3, Detail C.



## Step 4 – Tighten fasteners and caulk all inside corners

Tighten all fasteners. Caulk all inside corners where the base sections come together.

## Step 5 – Attach SIDE BIRDSCREEN ASSEMBLY TO HOOD SUPPORT ANGLE

Attach the side bird screen assembly to the hood support angle and base assembly using four 1/4-20 x 1 inch fasteners per screen assembly, see Figure 4.

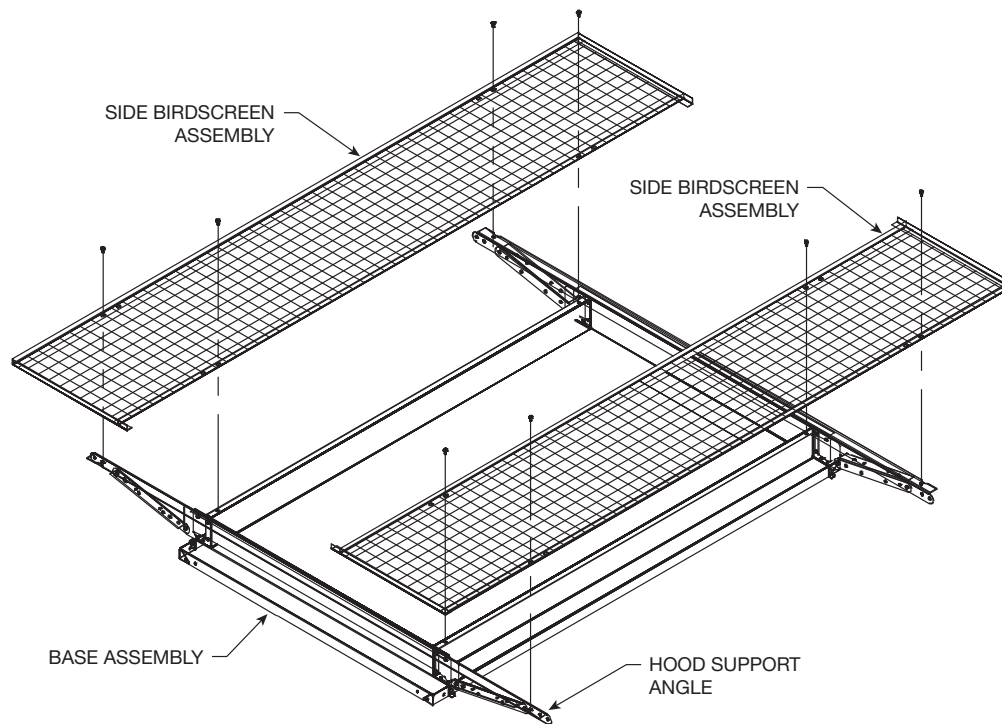


Figure 4

## Step – 6 Install END BIRDSCREEN ASSEMBLY

Install the end birdscreen assembly, refer to Figure 5. Turn the birdscreen clips (which are pre-assembled to the end birdscreen assembly) so that two are under the side birdscreen frame extension and the other two are under the hood support angle. See Figure 5, Detail D.

**NOTE:** Loosen and tighten the birdscreen clip as necessary.

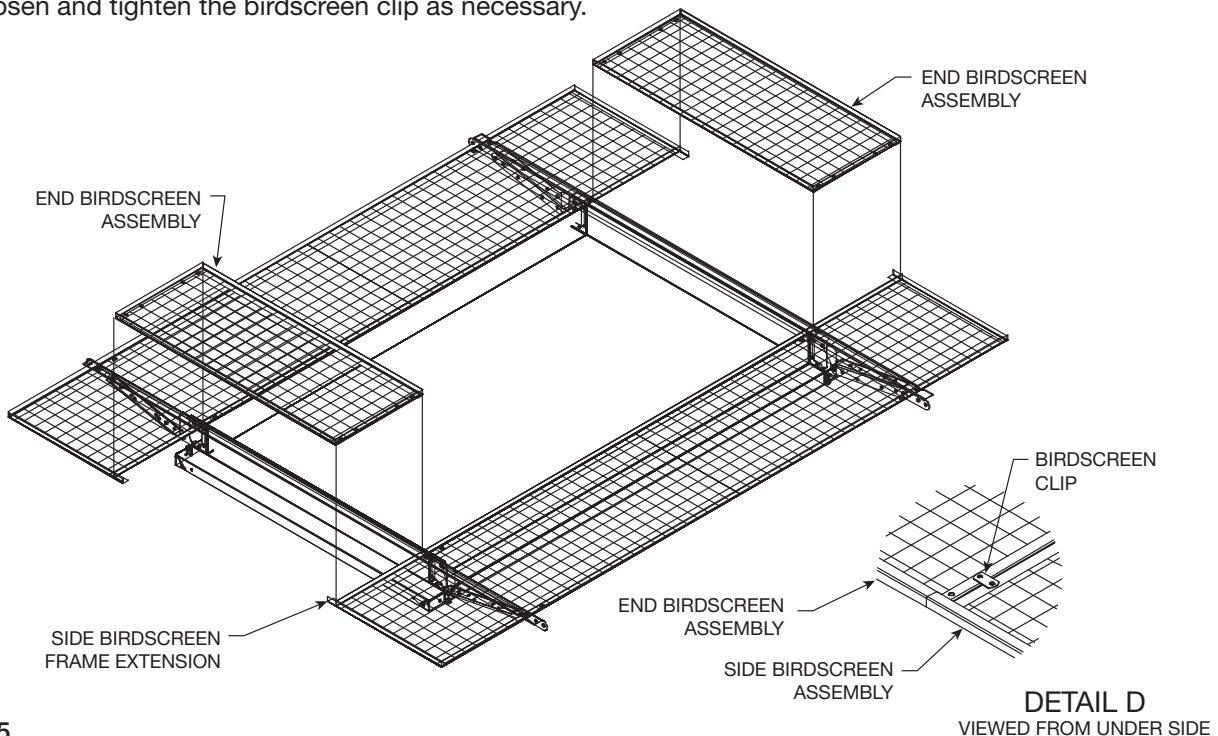


Figure 5

## Step – 7 HOOD RAIL ASSEMBLY

**NOTE:** For easier assembly and lifting elevate hood rail assembly on blocks.

Lay out hood rail assembly and hood end angles, see Figure 6. Install thread cutters (hardware kit # 415041 - 5/16-18 x 1 in.) from underneath, first through hood end angles and second hood rail assembly.

**NOTE:** Use a builders square to ensure the corners of the frame are as close to 90° as possible.

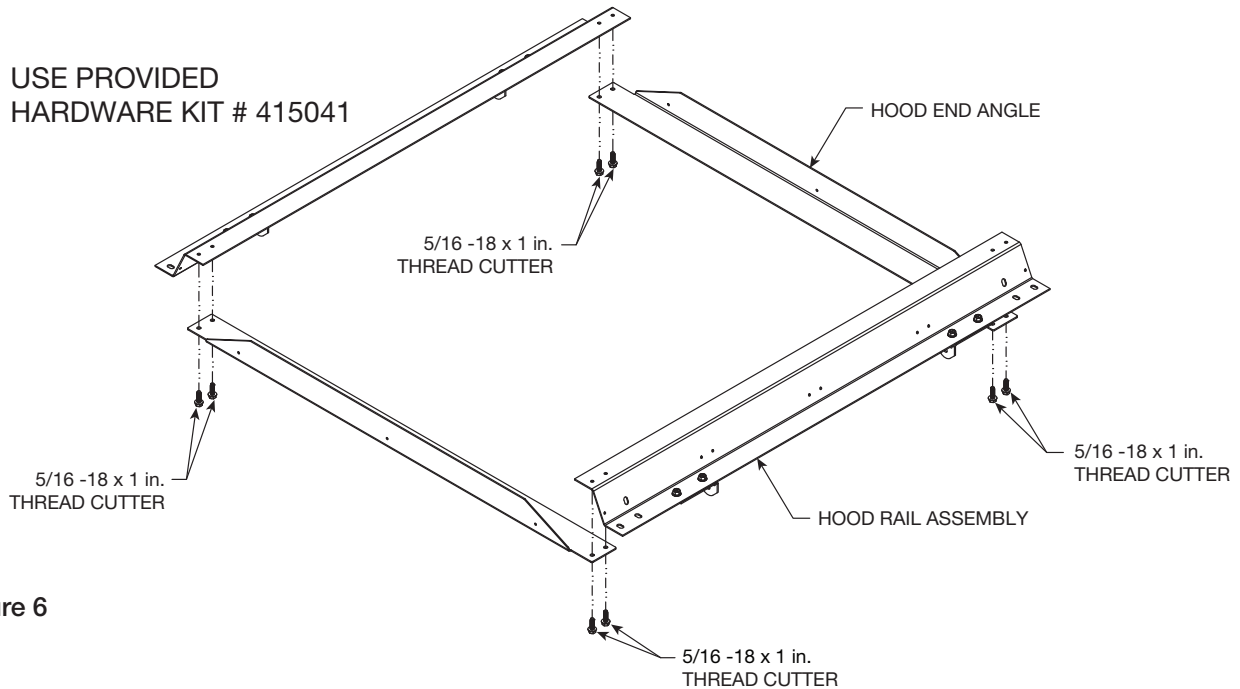


Figure 6

## Step 8 – Install HAT CHANNEL

Place diagonal end panel supports with the formed angle running the length of the part facing out and slots next to hat channel. Fasten diagonals with whiz nut (hardware kit # 415456). Leave whiz nuts snug and DO NOT tighten. Lift hat channel into place. The diagonals will support the hat channel as it is being installed. Use thread cutters (hardware kit # 415456) to attach the hat channel to the diagonal end panel supports. Tighten whiz nuts.

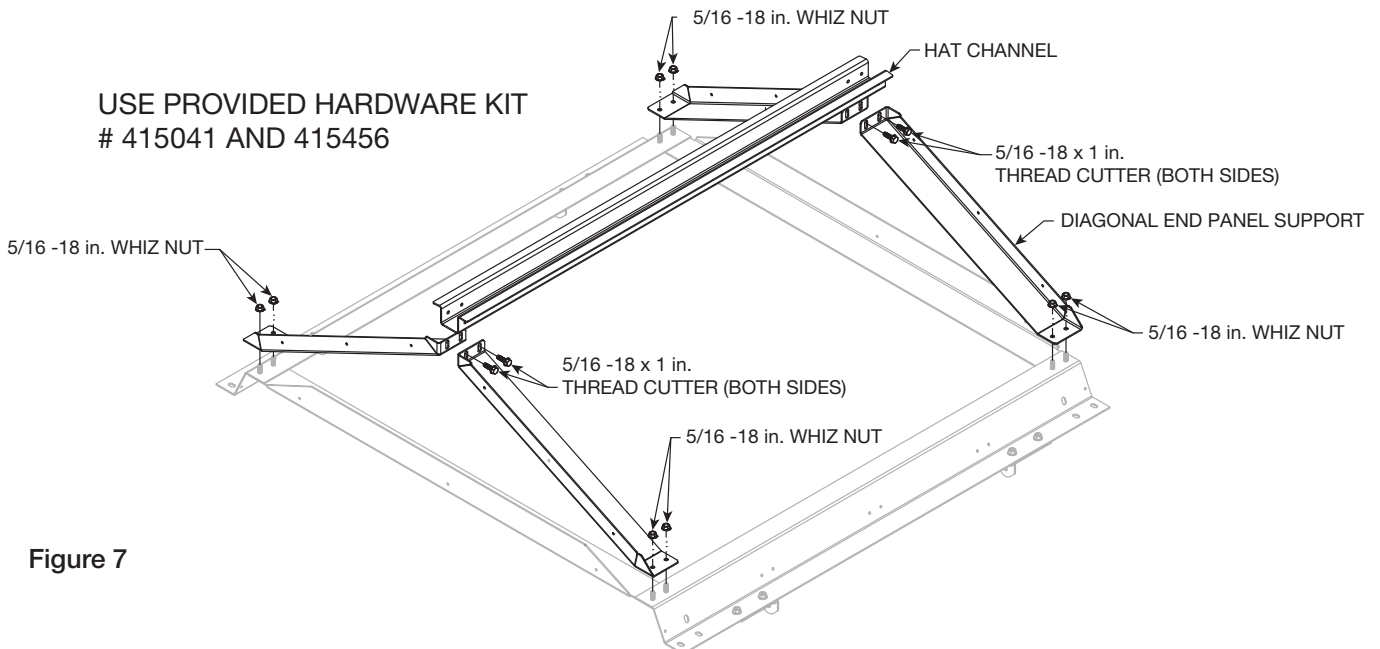


Figure 7

**NOTE:** Adjustment of the hat channel may be needed. Ensure there is no more than an 1/8 inch gap between the hat channel and hood panel.

## Step 9 – Install HOOD END PANEL (MALE RIB)

Lift the hood end panel (male rib) into place. Use the 1/4-20 x 1 thread rolling screws with washer (hardware kit # 417119) to attach hood end panel to the diagonal end panel supports at the holes in the hood end panel that line up with holes in the diagonal end panel supports.

Use four #12-14 x 1 inch self-tapping screws (hardware kit # 415450) to attach the hood panel to the hat channel. Use four #12-11 x 5/8 sheet metal screws (hardware kit # 417467) to attach the hood panel to the hood rail assembly.

USE PROVIDED HARDWARE KIT  
# 415180 AND 415450

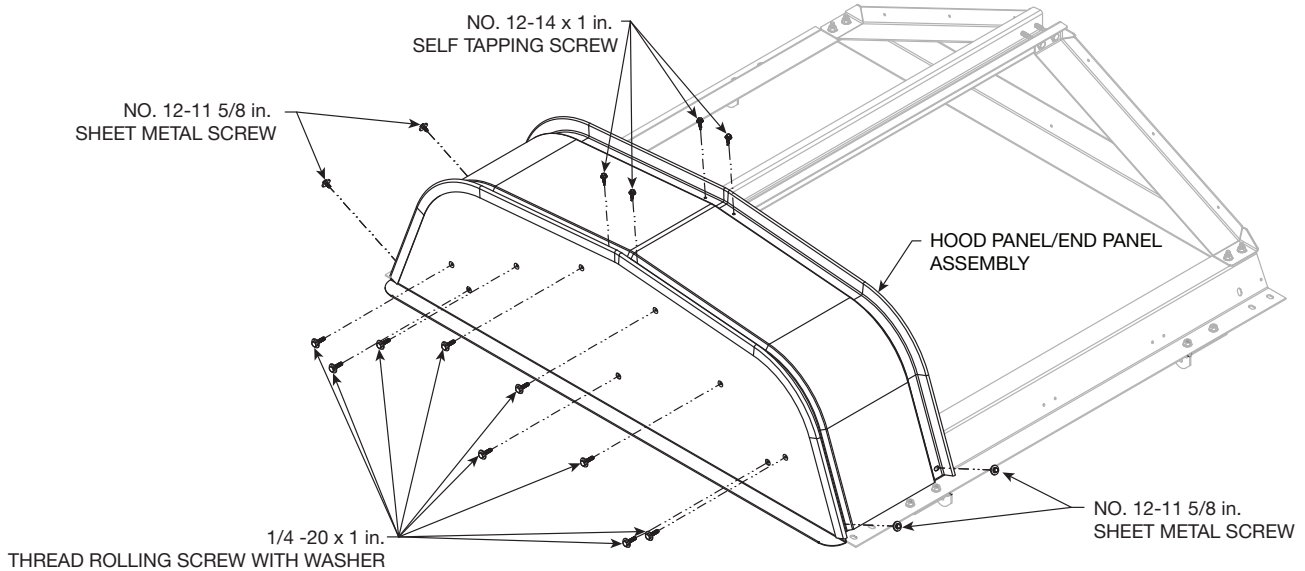


Figure 8



## Step 10 – Install HOOD PANELS to HOOD RAIL ASSEMBLY

Place the next hood panel by interlocking each panel as shown in Figure 7, Detail E. Secure each hood panel to the hood rail assembly as it is put in place, using four #12-14 x 1 inch self-tapping screws (hardware kit # 415450) to attach the hood panel to the hat channel. Use four #12-11 x 5/8 sheet metal screws (hardware kit # 417467) to attach the hood panel to the hood rail assembly. Using quantity 10 sheet metal screws (hardware kit # 416900) with sealing washers per hood panel. Place the remaining hood panels in place with the hood end assembly with the female rib is to be installed last as shown in step 9.

**IMPORTANT:** Do not drive sheet metal screws all the way through both sides of the ribs as this could allow water to leak through the hood. Screws are to fasten only the first 2 layers of the rib joint.

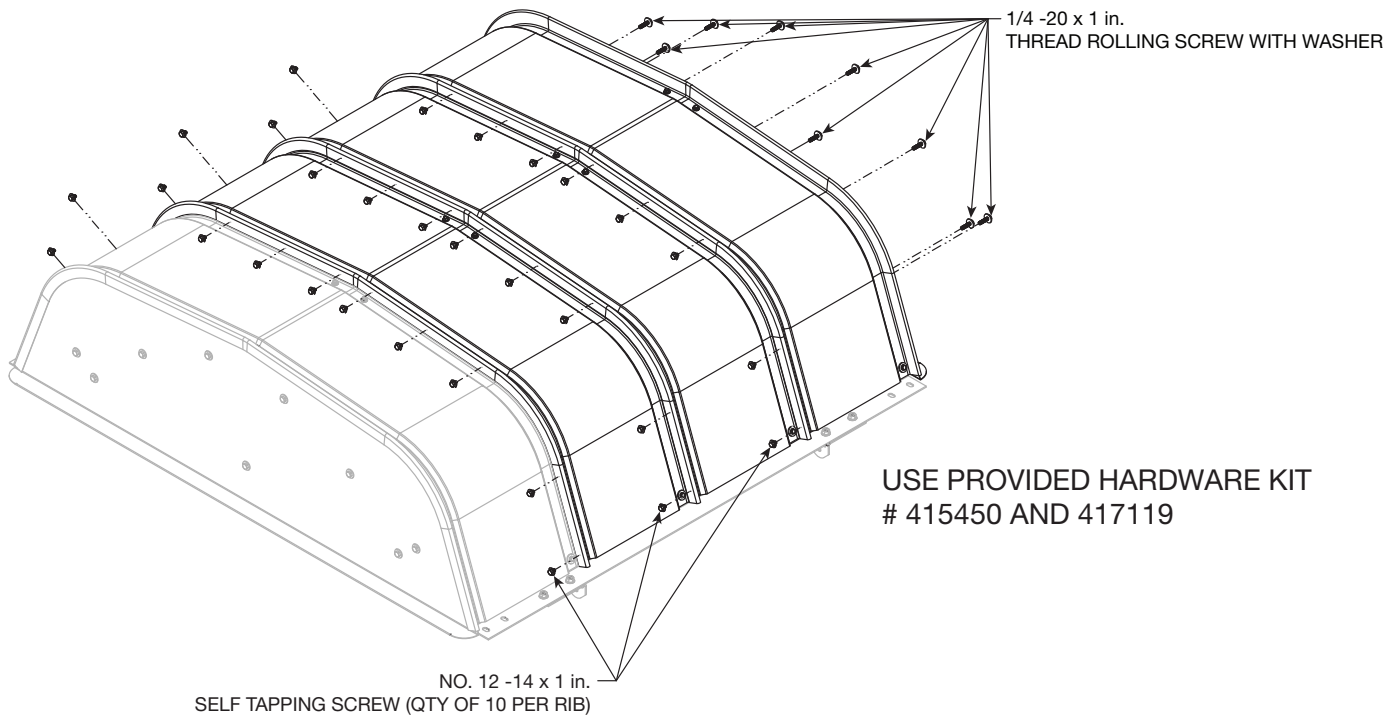


Figure 9

## Step 11 – Lift HOOD ASSEMBLY onto HOOD BASE

Lift completed hood assembly onto the hood base and attach the hood assembly to the hood support angles, using 3/8 x 3/4 inch bolt with 3/8 inch Nyloc nut at each attachment point.

## Step 12 – Tighten fasteners

Tighten all pivot bracket fasteners.

**NOTE:** There may be extra fasteners.







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