



### ***SUNBUBBLE COMPONENTS:***

1. clear acrylic dome
2. light pipe
3. galvanized ceiling ring
4. light diffuser
5. trim ring
6. sun scoop
7. storm collar
8. roof jack

### ***INSTALLATION GUIDE***

*\*Please read all instructions prior to beginning project, and have all materials on hand.*

#### **Ceiling Location**

1. Establish the desired location for the **Sunbubble** and mark the center. Push a nail up through the ceiling at this point.
2. Locate the nail in the attic and center the galvanized ceiling ring between the roof trusses. Measure and mark the **new** center with a nail.
3. Hold the galvanized ceiling ring up to the ceiling, centered around the new nail, and trace the inside of the ring.
4. Using a drywall saw, cut along the outside of the traced circle. Turn the galvanized ring over and be sure that the flange will fit through the hole and that it sits flat against the ceiling.
5. Rotate the ceiling ring so that the large holes are square with the room and using a pencil, mark both the small and large holes accordingly.
6. Center the wood blocks over the large marks using the drywall screws provided, creating a new hole opposite the smaller mark. Repeat for the three remaining blocks. All eight-flange holes should miss these screws.

#### **Roof Location**

1. Inside the attic rest a level against the hole in the ceiling and plumb up on the side that is the greatest distance to the roof. Make a pencil mark on the underside of the roof.
2. Repeat the above procedure for each of the three remaining sides. You should now have 4 marks on the underside of the roof.
3. Drill approximately a one-inch (12mm) hole centered on each of the above marks.
4. On the outside of the roof, set the roof jack on the shingles and line it up with the holes in the roof. Be sure to align the top of the roof jack with the holes. The lower side of the roof jack will be much lower than the bottom hole.
5. Mark the bottom of the jack with a marker, using the jack as a template. The hole will be oval shaped.

6. Cut a hole down through the shingles and plywood **only**. If you encounter a rafter, follow along it and **DO NOT** cut through it.
7. Lift the edge of the shingles slightly and slide the roof jack under them. The shingles should slightly cover over half the length of the roof jack, with the lower edge of the jack fitting over the remainder. Look to existing roof jacks on the roof as an example.
8. Leave the jack loose to allow for slight adjustments. Measure the distance from the ceiling to the top of the roof jack and add six inches. Use this new measurement rounded up to the nearest foot as your kit length.

### **Assembly of the Sunbubble**

1. Using the length of kit determined in the previous step #8, peel the plastic film off of the inside of the pipe material. Snap the seam together to form a pipe.
2. Assemble all pipes with the crimped end always inserted into the smooth end. It should now look like a long tube. If the kit length is longer than the ceiling is tall, make it into two sections.
3. On the outside of the pipe, silicone all the horizontal and vertical joints, using a very thin line. Cover the silicone with the silver tape provided.
4. Attach the galvanized ceiling ring to the last crimped end of the pipe using the silicone and tape. It should now look like a long tube with a galvanized ceiling ring attached to the bottom and the smooth end of the pipe facing the top.
5. Run a small bead of silicone around the bare side of the galvanized ceiling ring and insert the pipe up through the hole in the ceiling. Align the holes in the galvanized ceiling ring with the marks on the ceiling. The silicone should be between the galvanized ring and the ceiling. Attach the ring to the ceiling, using the drywall screws provided, through the small holes in the ring.

### **Back to the Roof**

1. Adjust the roof jack slightly if necessary to align the pipe with both holes and keep it plumb. Nail down the roof jack.
2. Run a bead of silicone around the top of the roof jack against the pipe, sealing the two pieces together.
3. Mount the storm collar around the pipe, tight to the roof jack and seal the joint with silicone.
4. Attach the gasket to the top of the pipe by removing the backing, keeping it even to the top edge.
5. Remove the blue plastic film from the dome and clip the scoop over the dome. This is done by bending the four brackets slightly and snapping the dome up inside them.
6. Gently work the dome down over the gasket for a tight, even fit.
7. Straighten the brackets and hook the strap into them, securing the strap around the pipe with the bolt provided.
8. Silicone any exposed nails on the roof to prevent leakage.

### **Mounting the Light Diffuser and Trim Ring**

1. Align the holes on the diffuser and trim ring.
2. Holding this unit up to the ceiling, align the holes with the large holes in the galvanized ring. Attach with the long screws provided.
3. Snap the white caps on the screw heads.

Your **Sunbubble** installation is now complete.