

SkyShed POD Assembly



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Tools Needed

- POD Assembly Items:
- Clamp (Quik Grip; large size ~8-10")
- Phillips screwdrivers
- Hammer
- Rubber mallet
- Wrench
- Staple gun
- Utility Knife
- Tape measure (8' or longer)
- Sharpie
- 4" (or longer) lag bolt (1/2" diameter) or similar to secure POD to pad (qty 12)
- DO NOT USE power tools
- Info on caulk/sealant:
 - Durabond Lexel Super Elastic Sealant (clear)
 - Boatlife Life-Seal
 - Mono Ultra silicone sealant (used by SkyShed POD Team)
- It's a good idea to check if your dome bolts may require further tightening before resealing as well

Hardware Box



Bolts for Dome Quadrants



Use 4 short bolts, 1 shorter than other 3. Shortest one for flange. Allen key provided.

Clamp Dome Quadrants



Clamp flange area. Dome is tilted on its top edge.

Attach Dome Bolts



Start with flange (#1). Then next one (#2). Bolt heads are inside dome. Tighten only loosely at this stage.

Attach Dome Bolts 3 & 4



Roll dome onto flange. Do top hole first (#4), then next one (#3). Use screwdriver in #3 to adjust. Tighten loosely at this stage. Adjust alignment, then tighten bolts, starting at the top (#4, then #3). Then rotate dome and tighten #2, then #1. Repeat for secondary dome.⁶

Apply Sealant



Do both domes. If have enough sealant, do inside of dome as well. Let dry before removing excess.

Apply Sealant (continued)



Apply Sealant (continued)



Mark Position on Flange



Mark position on flange: $7/8$ " from inside of flange. Reminder: remove plugs!

Attach Metal Plate



Use wheel axel at bottom as spacer. Attach metal plate. Hold dome in proper arc. Use ½" long Phillips screws. Hand-snug tighten.

Attach Metal Plate (continued)

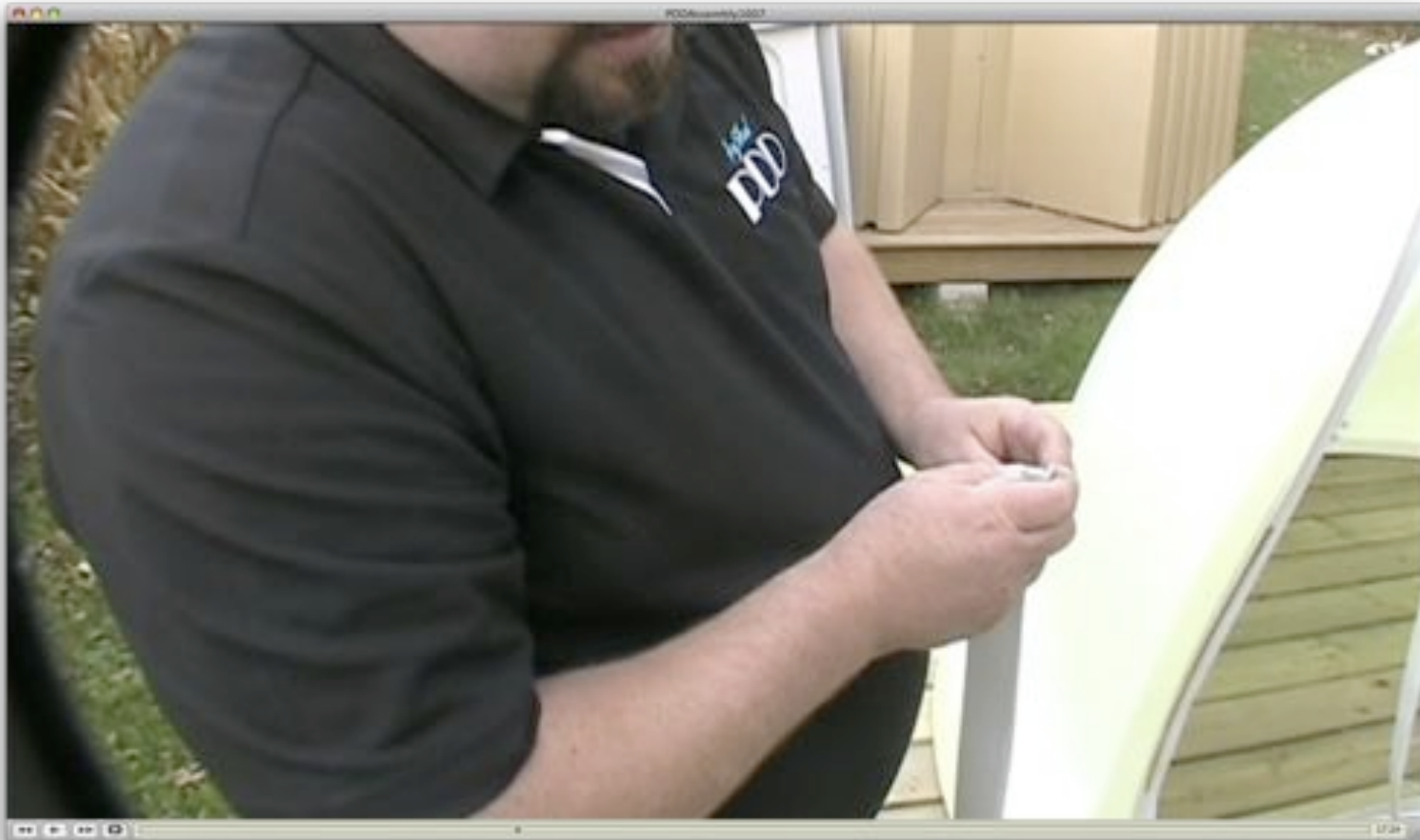


Overlap Dome with Metal Plate



Plate will overlap dome quadrants. Ensure smooth arc of dome. Plates do not have to touch.

White L-Gasket on Primary Dome



Put primary dome on flange. Use white L-gasket and metal strips. Gasket must not ripple or buckle. Use ½" Phillips panhead screws and washers.

Apply L-Gasket



L-Gasket starts flush to bottom of dome. Metal strip starts flush to bottom of pivot hole.

Apply L-Gasket (continued)



Start screws at bottom and go upwards, then back down. Holes are not pre-drilled so push screw in and then turn.

Keep Constant Tension



Don't over-tighten screws. Use sealant if have a gap at top. Clean gasket if dusty.

Trim L-Gasket



Trim gasket and let hang down past flange.

Insert Wheels on Walls/Bays



Remove plugs! Insert wheels using special Inline Wheels instructions. Insert from inside. Use hammer if necessary.

Inline Wheels Insertion

Congratulations! Your SkyShed POD includes the new inline skate wheels, which are superior to the plastic conveyor wheels we previously used. They make dome rotation easier and quieter.

Install the new wheels in the Wall Panels/Bays, as shown in the POD Assembly Video. In addition to the DVD instructions you must add a 1/2" spacer to the axle for each Wall/Bay wheel, as shown in the photo on the right. The spacer goes on the inside side of the wall and wheel on the outside. You'll find a small package with 31, white 1/2" spacers in the hardware box. 30 are needed. The extra one is a spare. It is very important that the spacers are added. Do not skip adding them.



To use the new wheels in the dome brackets we must add an additional spacer to the one shown in the DVD, so that the wheels ride in the proper location against the POD wall. Follow the simple instructions below to accomplish this. If you have any questions contact us at support@skyshedpod.com

Assemble the dome bracket as shown in the Assembly Video except **do not add a spacer**. Temporarily screw 1 bracket onto the dome, and position the dome so that the bracket is in line with the feature that is below the top of each wall join. Center the wheel with the feature as shown in the photo. Measure each space below and above the wheel. Those measurements will be the sizes of the spacers you will cut from the 1/2" X 3/8" plastic tubing, included in the wheels bag.



Reassemble the dome bracket with the spacers in place, and attach it to the dome. Your wheel and spacers should resemble the picture shown above. You need not assemble each bracket and disassemble it, just cut all the spacers from the measurements you took with the first bracket. Even though we include 5 dome brackets, you need only use 3: one on either side (beside the pivot points) and one in the middle. Start with this configuration and we believe you'll find 3 dome brackets are sufficient. Using 3 brackets instead of 5 allows for even easier dome rotation as well.



Assemble Bays



Insert bay pegs in matching holes. Align bays if necessary.

Bolt Bays Together



Use 3/8" x 3" long stainless steel screws. Use screwdriver to align holes. Washers and nuts go on inside. Keep top joins of bays flat.

Circularize Walls/Bays



Measure at 3 opposite points. Kick base in or out to get three equal readings. Be certain POD is positioned correctly on pad. Watch for electrical outlets cover.

Attach Primary Dome



Rotate dome to circularize walls/bays.

Sides of Dome & Walls/Bays



Sides must be flush.

Assemble Dome Brackets



Use wheel, bracket, ¼" bolt and locknut.

Attach Brackets



Align Wheel



Center wheel on center of “feature”, not center of flange wall. Rotate dome 2 or 3 times to circularize walls/bays. Adjust walls/bays if needed to ensure smooth rotation. May only need 3 brackets on dome.

Insert Secondary Dome



Insert Secondary Dome (continued)



Insert Dome Pivot Bolts



Long bolts with washer and acorn nut on inside of dome.

Tighten Pivot Nuts



Once pivot bolts in-place, use rubber mallet if needed. Open dome and tighten nuts.

Attach Black Foam to Primary Dome



Use 12" of black foam. Align to flange line.

Staple Foam



Use staple gun to secure foam. 2 staples on top, 2 on side.

Trim Off Excess Foam



Mark Height of Foam



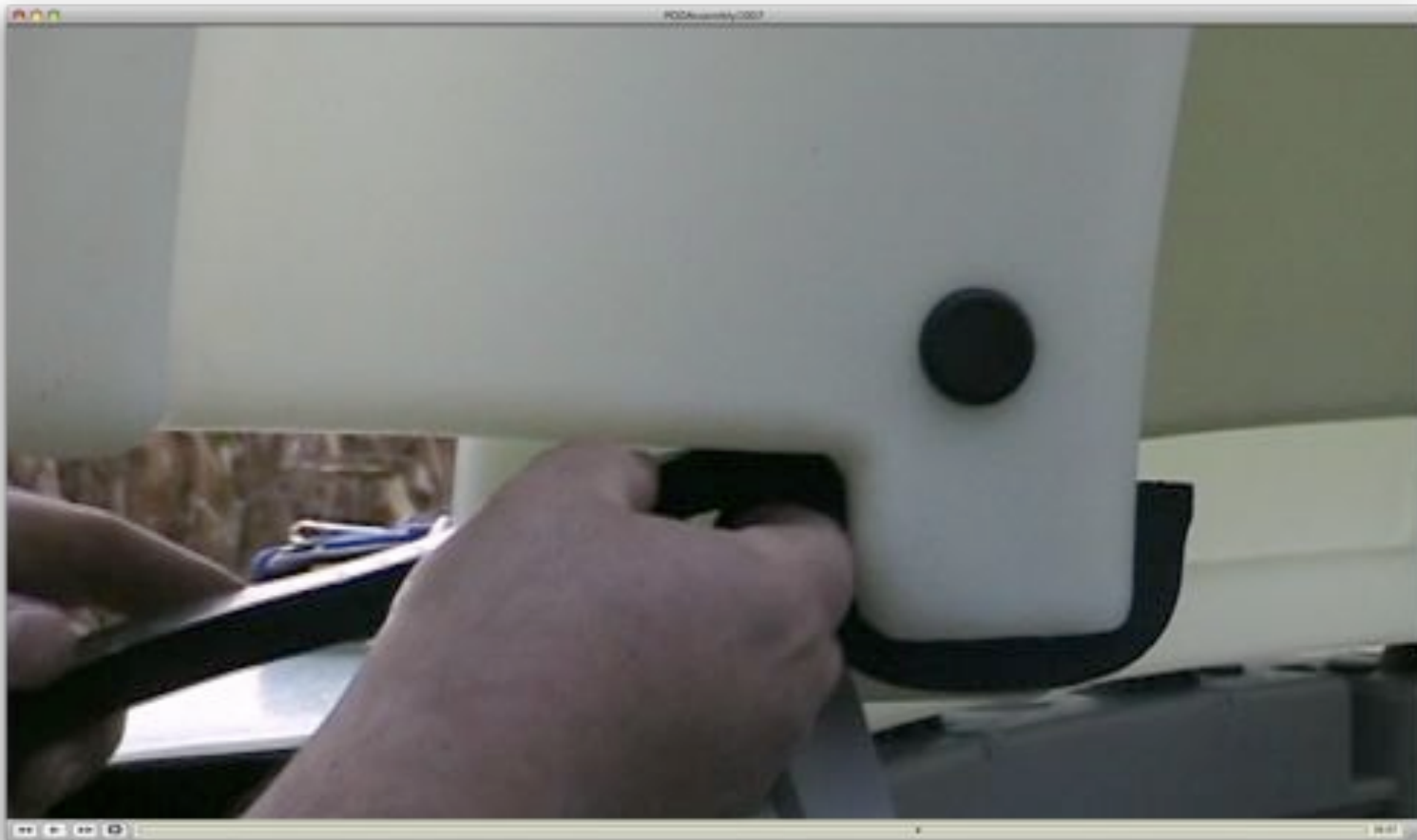
Lower secondary dome. Make certain dome is flat. Mark height of foam on top, not on side.

Attach Secondary Foam



Open dome. Use $\frac{1}{2}$ " by 1" black foam 17" long. Start 1" inside dome.

Corner Must Be Tight



Align Foam



Align foam to “feature” and line made earlier. Run down outside of flange.

Staple Foam



Staple Foam (continued)



Staple Foam (continued)

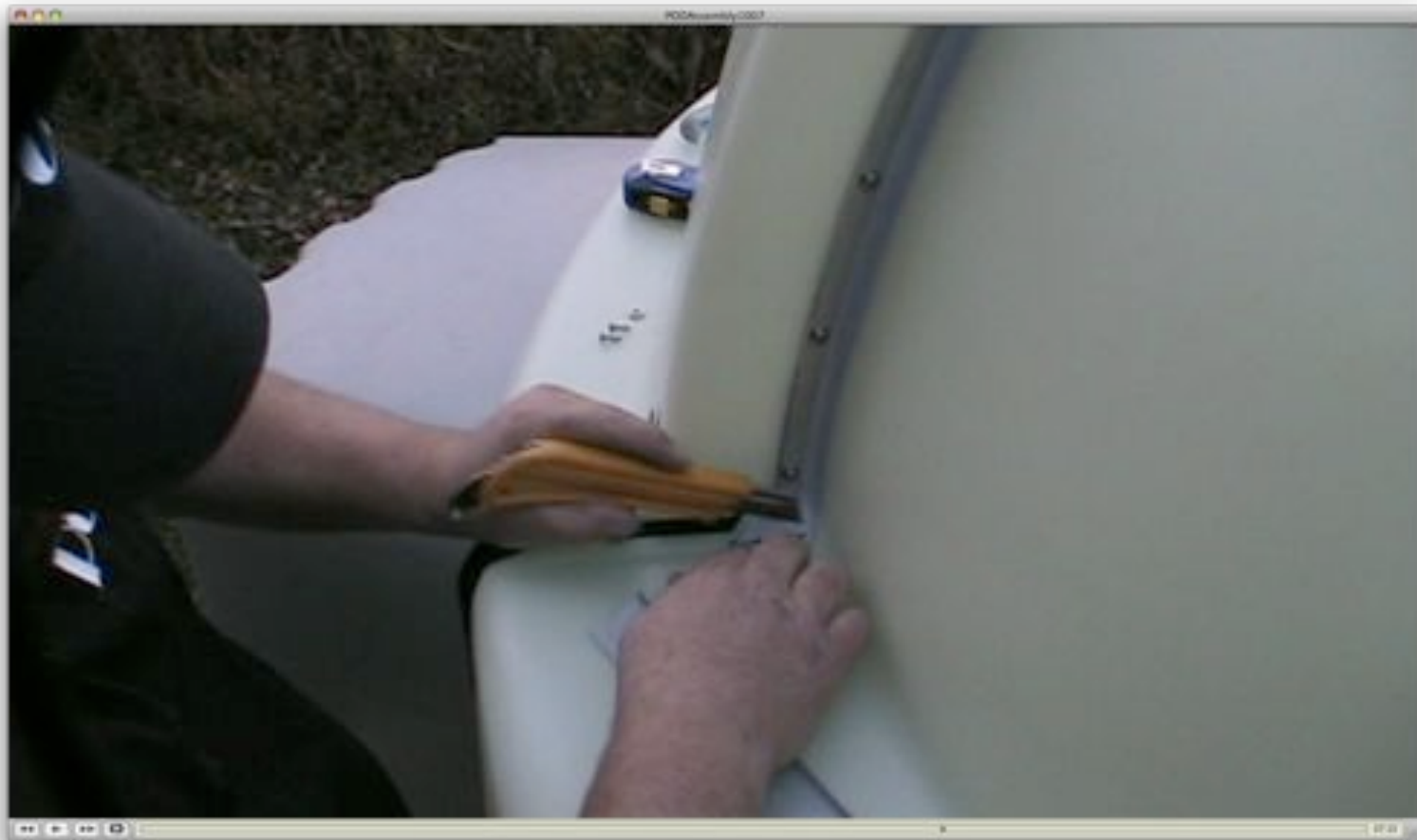


Finish L-Gasket



Mark L-Gasket with line even with flange.

Cut L-Gasket Excess



Attach Short L-Gasket Piece



Use 8" of L-Gasket.

Position L-Gasket



Loosen first screw in metal plate. Position extra L-Gasket under upper piece.

Insert 2 Screws



Use two screws & washers of same type as rest of L-Gasket. Snug L-feature against primary dome.

Add 3rd Screw



Add a 3rd screw to ensure water run-off is over flange top. Can also apply sealant on top of foam in flange area.

For Extra Protection (if needed)



For extra water protection, remove secondary dome and apply 1" wide by $\frac{1}{2}$ " or $\frac{3}{4}$ " foam.

For Extra Protection (continued)



Mark 1 ¼" from edge of dome. Attach foam in a straight line down.

For Extra Protection (continued)



End is flush. Staple foam to secure.

Insert Lag Bolts



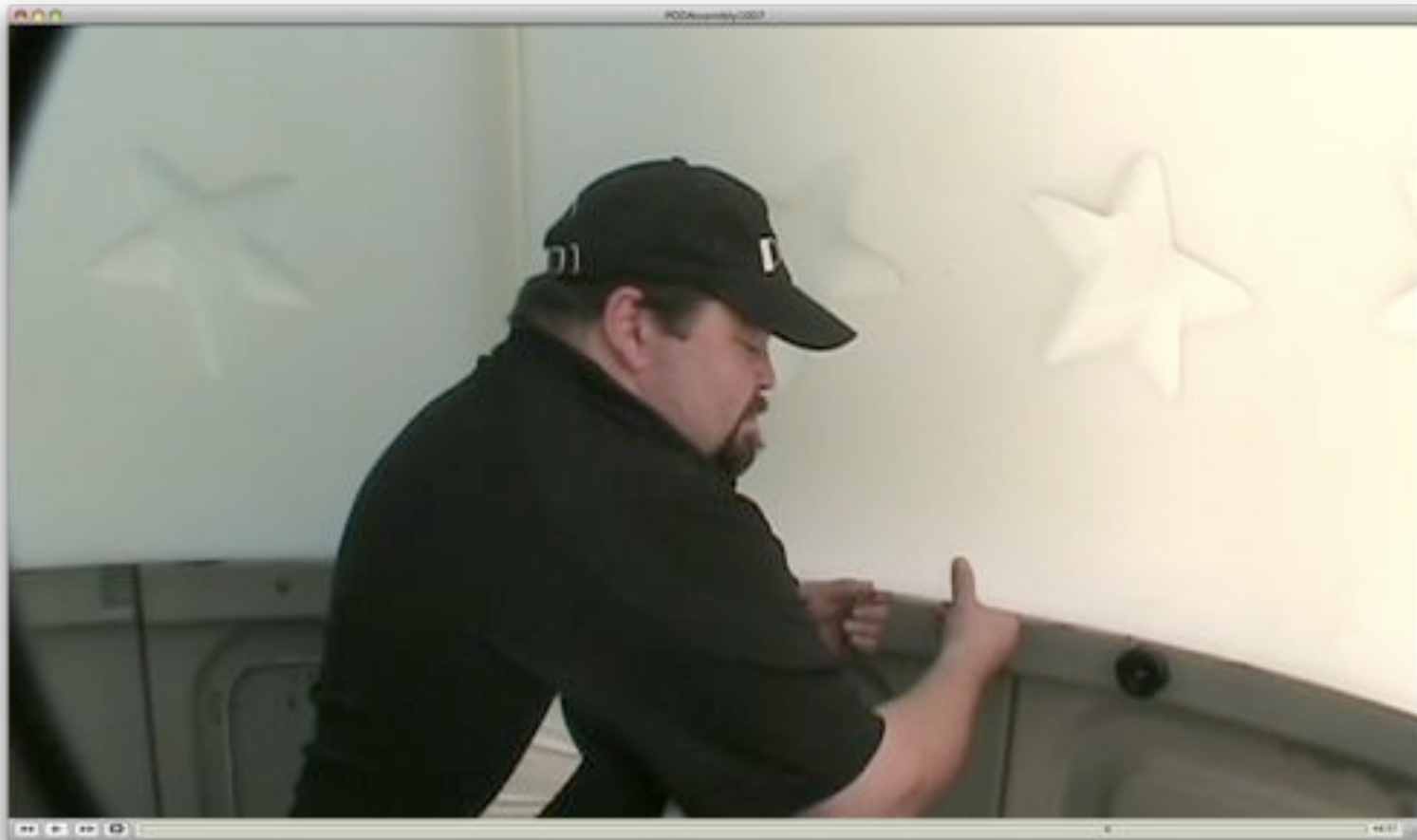
Anchor POD. Don't over-tighten bolts. Rotate dome after each bolt is inserted to ensure circular.

Locking Knobs



Close secondary dome. Insert locking knobs (2).

Insert Locking Knobs (continued)



Lock Door!

