We cannot warranty windows that crack or leak due to installation errors, uneven floors, settling, weight distribution issues, tank irregularities or mismeasurements.

Prior to Installation: Ensure that your fish tank is sitting on a solid surface such as a concrete slab, a tank stand, or very well packed dirt. Use **Do not install windows on tanks sitting on gravel or dirt floors.** Tanks will settle over time, causing the window to leak or crack

Not all tanks are ideal for window installation. Smaller round tanks with a tighter interior radius can be more difficult to install properly due to the limited flexibility of the polycarbonate material.
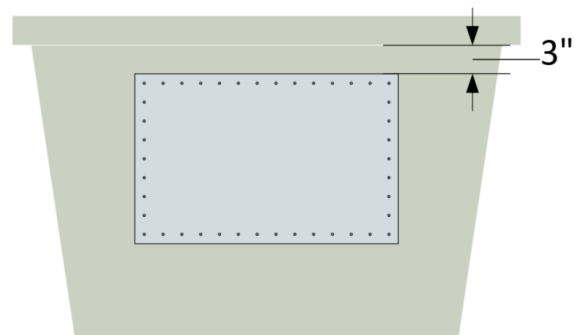
Fish Tank Window Kit Instructions
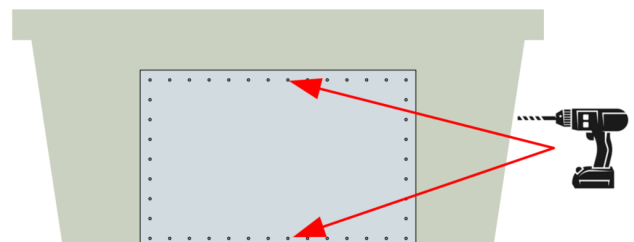
Required Tools:

- Drill
- ¼" drill bit
- 7/16" & ⅜" socket wrenches
- 7/16" & ⅜" crescent wrenches
- Jigsaw
- Fine wood or plastic jigsaw blades
- Ruler

- Tape measure
- Straight edge
- Bubble level
- Hole saw (1-½" or similar size)
- Deburring tool
- Permanent marker

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1. **Place window in position on outside of fish tank (it helps to have a second person hold the window steady)**
   a. For tanks purchased from The Aquaponic Source, we recommend mounting the window 3" below the tank lip
   b. Make sure the window is level using a bubble level

3"

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2. **Drill one hole in the fish tank near the center of the top row of pre drilled window holes. Then, drill a matching hole in the bottom row of holes**

3. **Transfer window to interior of fish tank. Push a bolt through the window and tank via the two holes drilled in step 2.**
    a. Hand-tighten a nut onto the two bolts to hold the window in place

4. **Working in groups of 4 holes, drill through the existing window holes, through the tank**
    a. Drill two holes from the top row of the window, and two holes from the bottom row of the window

5. **Push bolts through each of the 4 holes from the previous step and hand-tighten nuts on the exterior of the fish tank**
    a. Repeat steps 4 and 5 until all holes are drilled in the top and bottom of the window, and bolts/nuts are installed
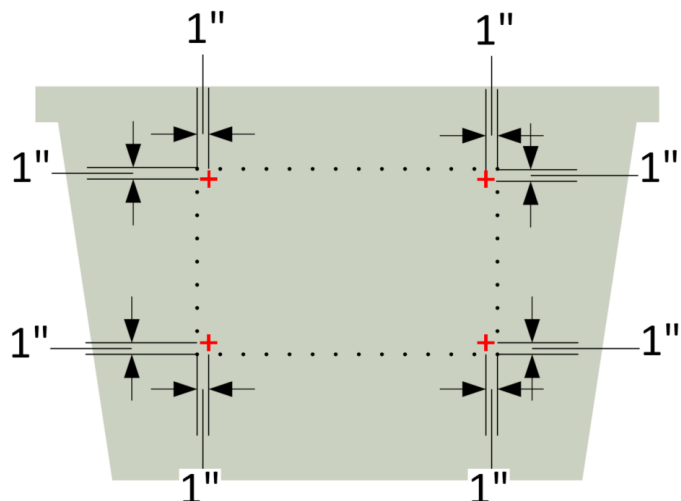
6. **Drill each vertical set of holes down each side of the window into the fish tank.**
    a. There is no need to install nuts/bolts during this step
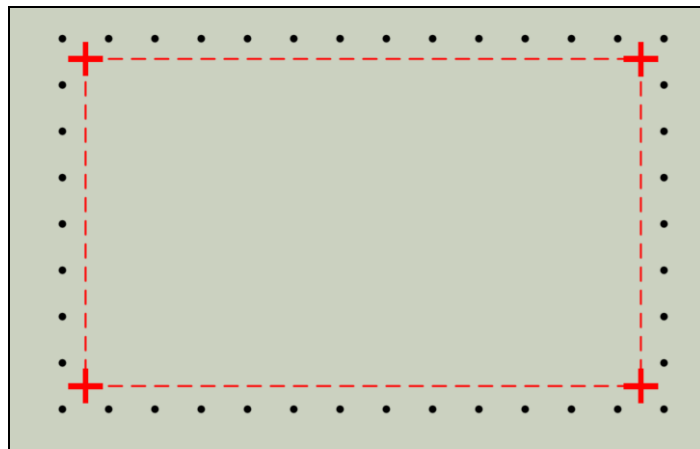
7. **Now that all of the window holes have been drilled, remove all nuts/bolts, and remove the window from the tank**

8. **Measure and mark the tank to prepare for cutting the window opening**
    a. Measure **DOWN** and in **1"** from each of the top corner holes
    b. Measure **UP** and in **1"** from each of the bottom corner holes
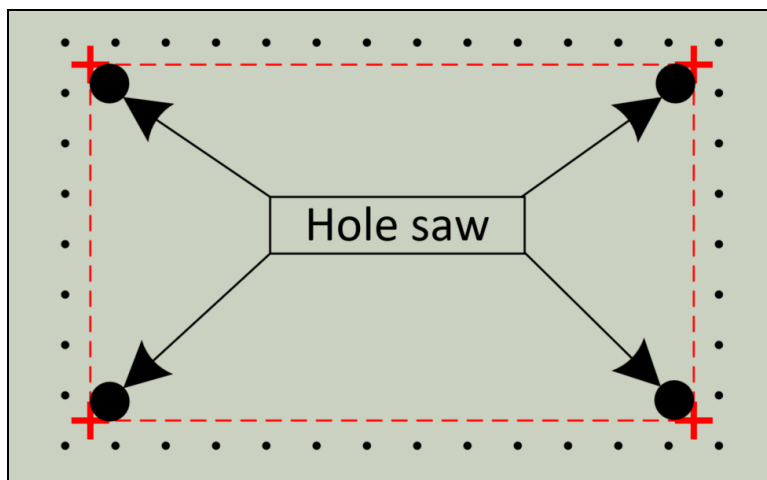   c. All markings should be on the **INTERIOR** of the fish tank

9. **Using a straightedge, connect the marks made in step 8**

10. **Using a 1-½" or similarly-sized hole saw, drill a hole in each corner of the window**
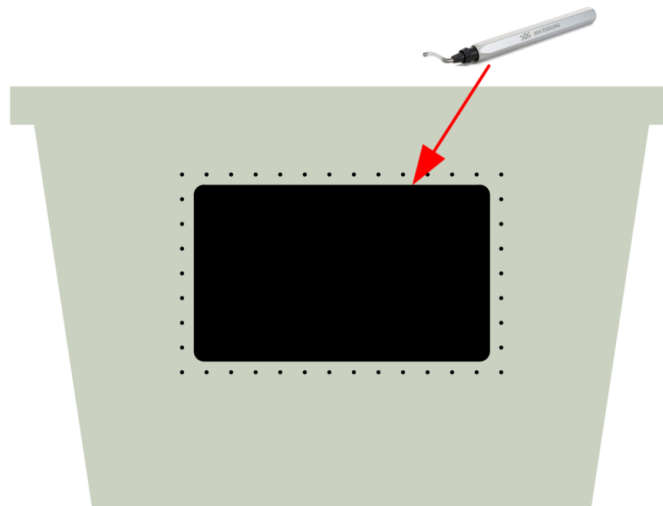   a. Drill edges of the hole on the **INSIDE** of the lines drawn in Step 9

11. **Using a jigsaw with a fine wood or plastic-cutting blade, cut out the window opening along the line drawn in Step 9.**

a. At the corners, the cut should become flush with the holes drilled in Step 10

b. If the jigsaw blade becomes hot, stop and let it cool so you do not melt the plastic tank.

12. **Use a deburring tool to chamfer the edges of the window opening on the interior and exterior of the tank.**

a. Check all of the bolt holes for debris, and clean up any messing holes with the deburring tool
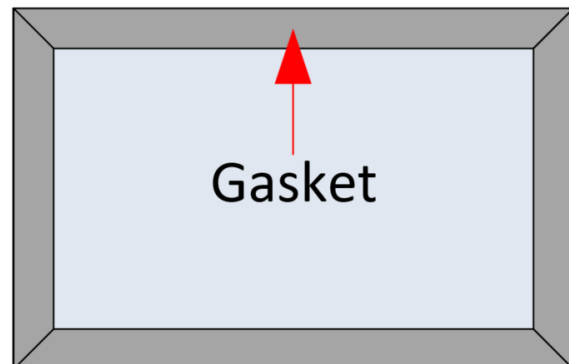

13. **Using a shop vac and a rag, clean up any plastic shavings or debris from the fish tank and surrounding areas.**

a. Wipe the tank clean on the inside and outside using rubbing alcohol

14. **Install the window gasket**

a. Peel off the protective backing from window

b. Peel off the protective backing on the sticky side of one length of the EDPM gasket.

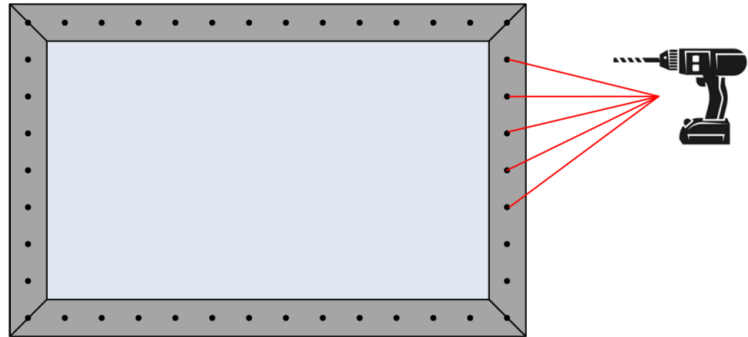c. Carefully apply the gasket along the edges of the window

Gasket

    d.   The gaskets should be completely flush with each other in the corners

    e.

TIP: You can use a section of PVC pipe or other cylindrical object to roll along the gasket to ensure it is fully stuck to the window

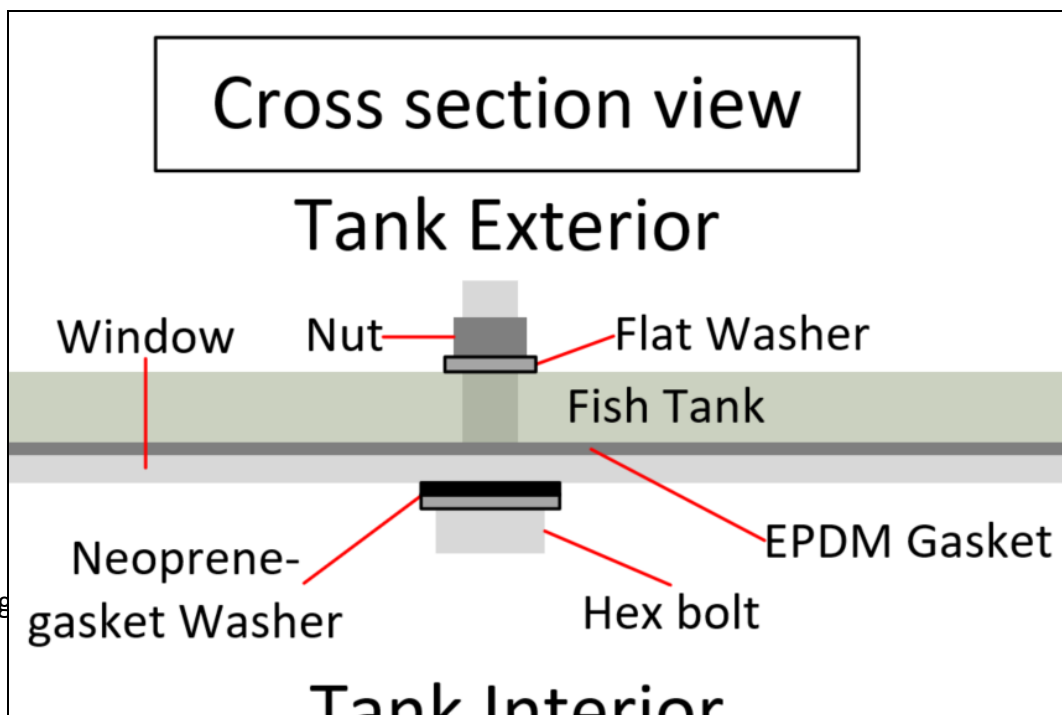**15. Using a ¼" drill bit, drill through each of the window bolt holes through the gasket.**

    a.   Be sure to remove any scrap gasket material from the holes

16. Align the window in the clean tank, and install the bolts, nuts, and washers

    a.   The **neoprene-gasket washers** are installed on the **interior** of the fish tank

    b.   The **flat washers** (no gasket) are installed on the **exterior** of the fish tank

    c.   The **head for the bolts** is installed on the **interior** of the fish tank

    d.   The **nut** is installed on the **exterior** of the fish tank

    e.   Do not tighten hardware during this step, just seat all nuts, bolts, and washers

TIP: Lay out the nuts and spray them with silicone lubricant prior to installation. This prevents the nuts from binding on the bolts before they are fully seated

17. **Once all bolts, nuts, and washers are installed, tighten the hardware using a socket wrench and crescent wrench**
    a. Work in a circular pattern around the tank window
    b. **Tighten nut until the neoprene-gasket washer is compressed flat against the window**
    c. **DO NOT OVERTIGHTEN**. Overtightening will cause the window to crack

18. **Fill your tank with water and check for leaks**
    a. If leaks do occur, tighten nut/bolt in the area of the leak