Note: The red hull depicted is a prototype version 2 hull which does not have a lip, version 3 uses a lip to attach the cover to.

Assembling the Dagger Board Trunk, the Thwart and installing them into the hull.

Installing the Rudder Post

Remove the dagger board trunk pieces (Left and Right) from the accessories sheet. The accessories sheet contains the mast step, dagger board trunk, boom jaws, center board thwart, and servo box.

[insert picture of accessories sheet]

Cut out the dagger board trunk first in one piece both left and right together using either a utility knife or Dremel saw.

Cut out both sides as one piece, then cut it down the center to make a left and right side. The bottom lip is not shown, you can keep it and use it to fit and cutout the slot for the trunk in the hull.

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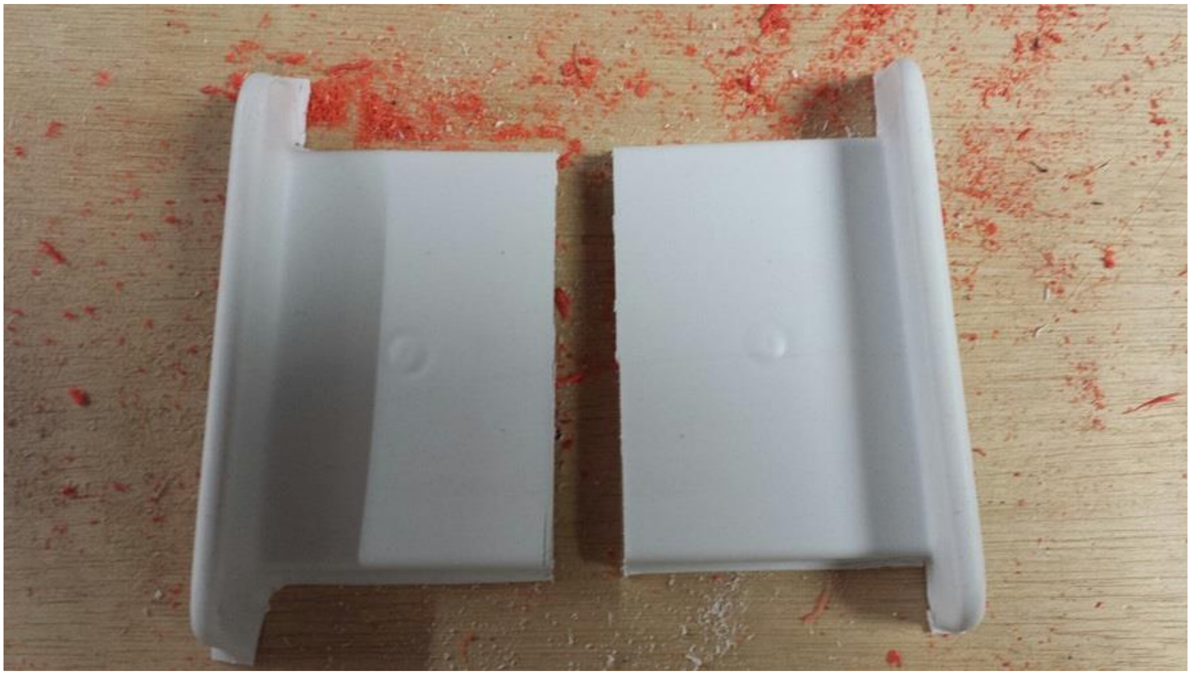

Trim and sand to make the best fit possible for the two sides to be glued together. Use a course sandpaper like a #50 for roughing it in and then use a finer paper like a #120 for the final fit.

Note the top 4” of the dagger board will need to be shaved (trimmed) to fit.

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Mark 4”

and trim/shave/sand.

Note: The red hull depicted is a prototype version 2 hull which does not have a lip, version 3 uses a lip to attach the cover to.

Not very much maybe a 1/16th of an inch (2 mils) just so it can be inserted for a smooth fit. (Not too loose or snug).

Use Flex seal, or 3M Marine adhesive, or an epoxy to attach both sides. Note I do not recommend here using a 5-minute epoxy like “Kwik Weld” because it tends to separate. You want to use something rubbery. Use a small wood piece or a piece of the plastic cut to work the adhesive. Run it along the inside joint as well.

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When cured continue to sand the bottom of the Dagger Board. It does not have to be perfectly flat you will bed this down to the hull with either a rubber like adhesive (not silicon) or more epoxy if you prefer.

Prep the trunk to be fitted into the hull.

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Use enough adhesive to cover the whole bottom of the trunk and make a nice bed. See amount I used. This was just enough a little more will work just as well.

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Line up and place on the hull, push firmly to adhere well to the hull.

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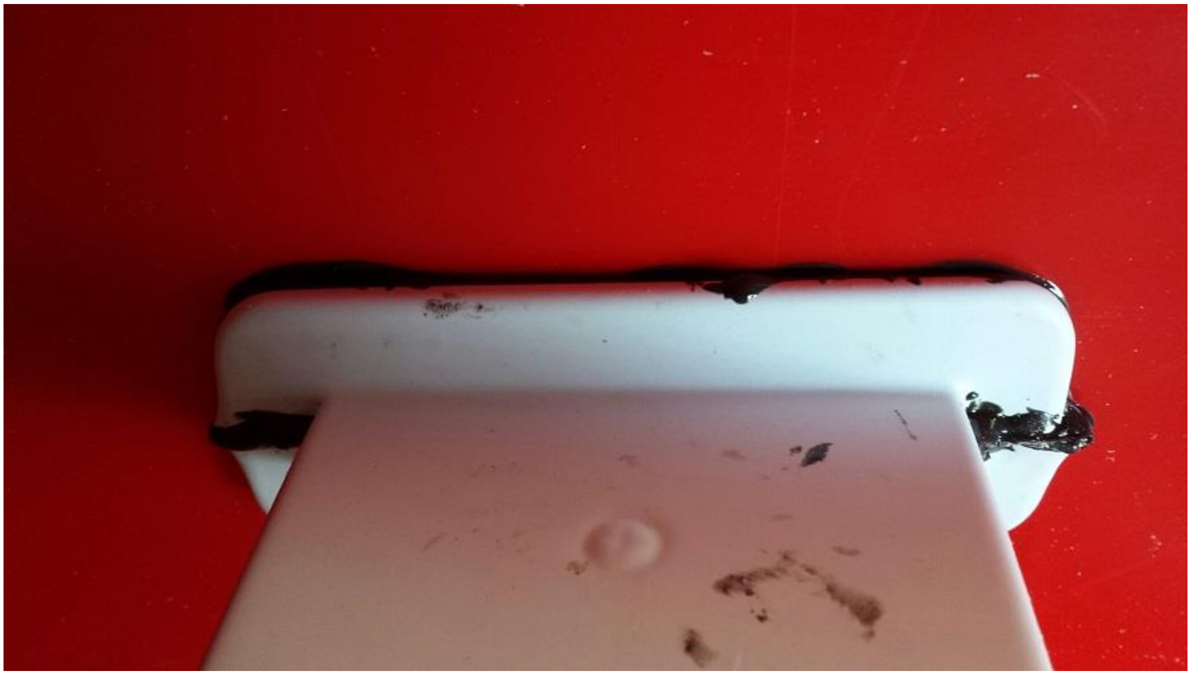

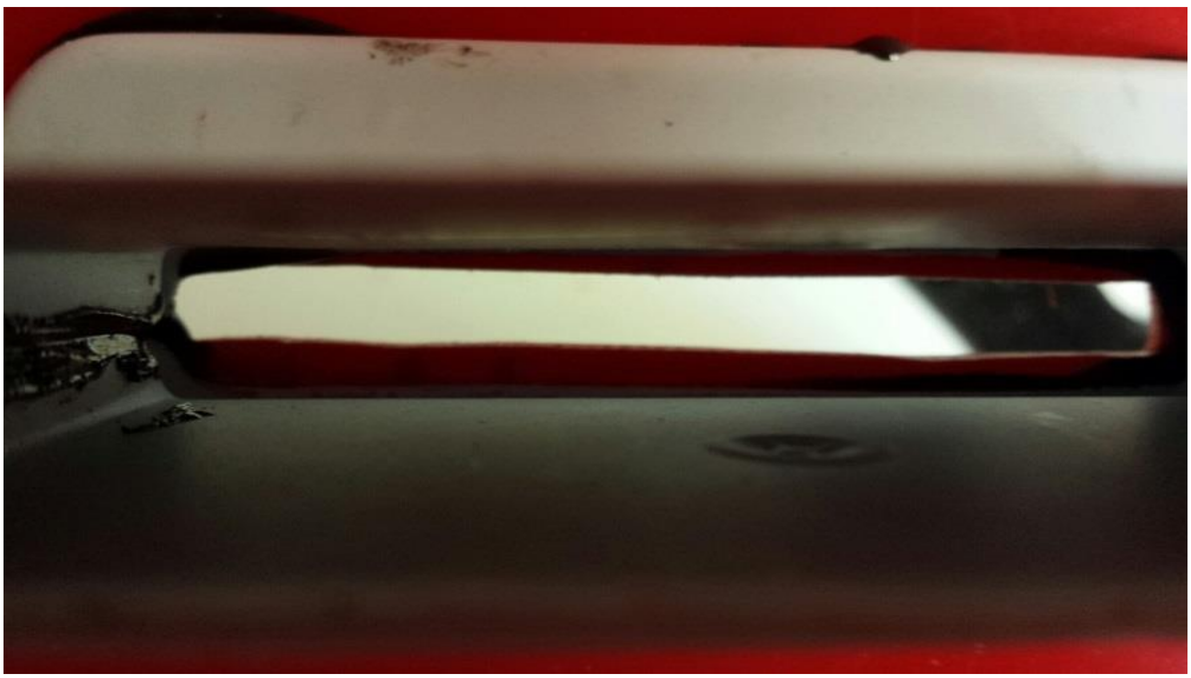

A view from inside of the trunk

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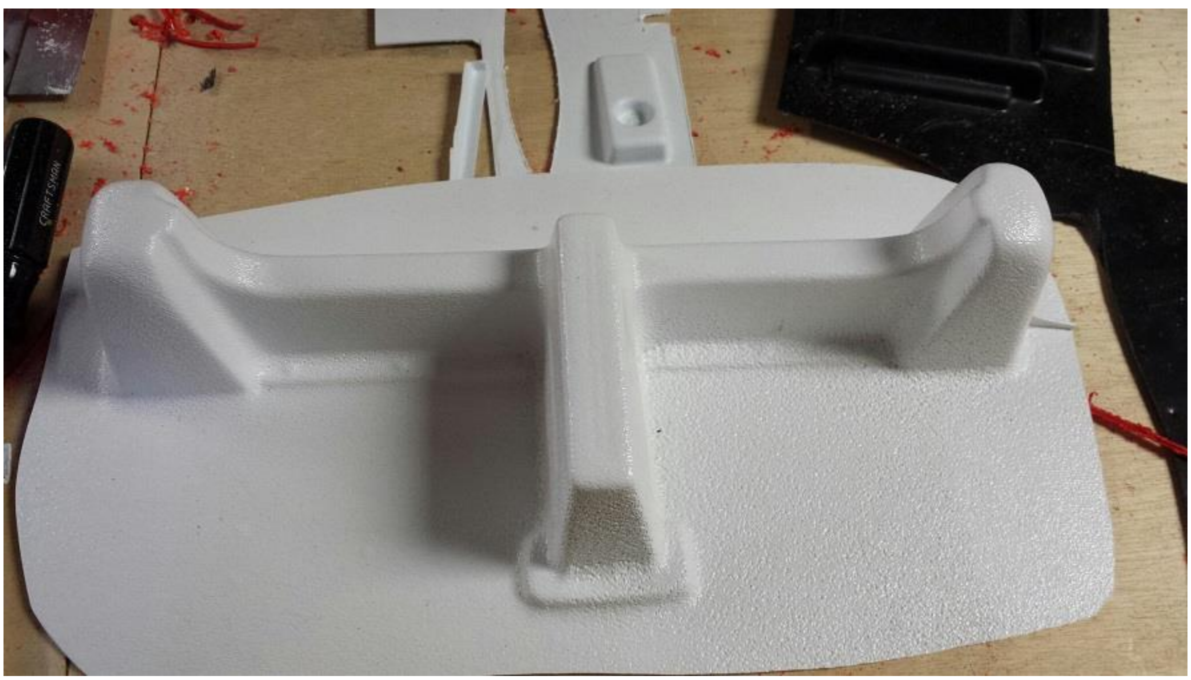
Insert the Daggerboard before the glue sets to make sure it all lines up. Make any necessary adjustments and let it cure.

Put this aside now and cut out the dagger board thwart.



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First you can rough cut it out. You can use scissors, shears, or a knife. I do not recommend a knife or razor for safety reasons be very careful not to cut towards you with a knife. Try to limit the use of razors, utility knives and only use them as a last resort to shape or trim. As you are trimming use the hull to trial fit it as you go.

Keep trimming small amounts till you have a snug fit, then do a final sanding to relieve the snugness.

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Here is an example of a finished piece (Painted) Painting is your option if you want a custom colored boat.

Note: The red hull depicted is a prototype version 2 hull which does not have a lip, version 3 uses a lip to attach the cover to.

Thwart with the trunk insert to show you how the thwart fits over the trunk.

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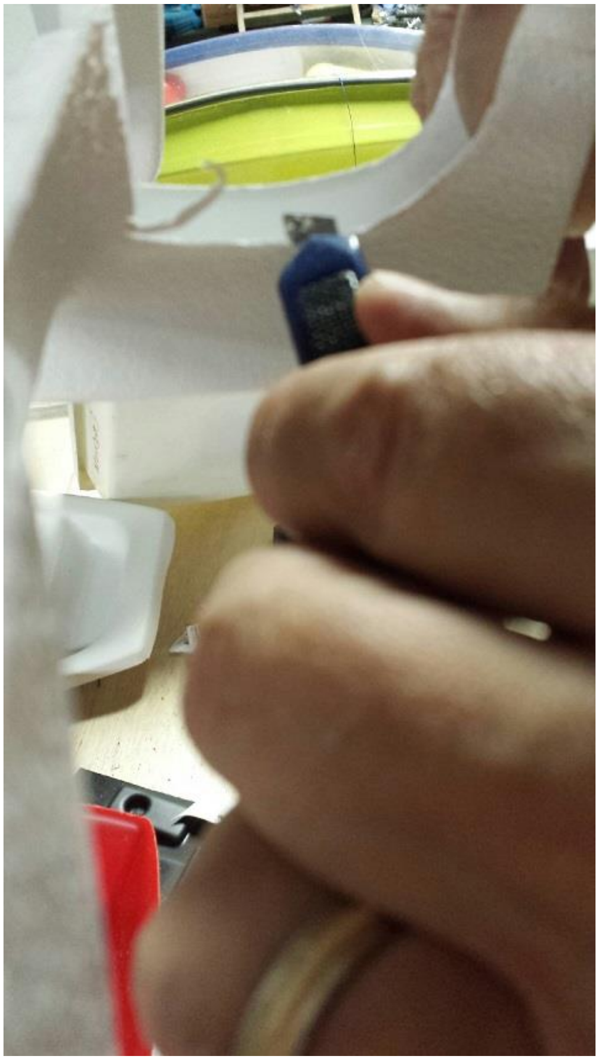
Example of working with a utility knife.



When working with a utility knife always cut away from your hands and body. Use the razor knife to make small light cuts, and or to score the plastic when necessary. Only let enough of the knife protrude to do the job.

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Trimmed and fits in the hull next…

Cut the hole for the dagger board. Use a drill to drill at the ends and then mark and final cut the hole. Use multiple drill holes to remove most of the material. Then use a file (A nail file will work as well)

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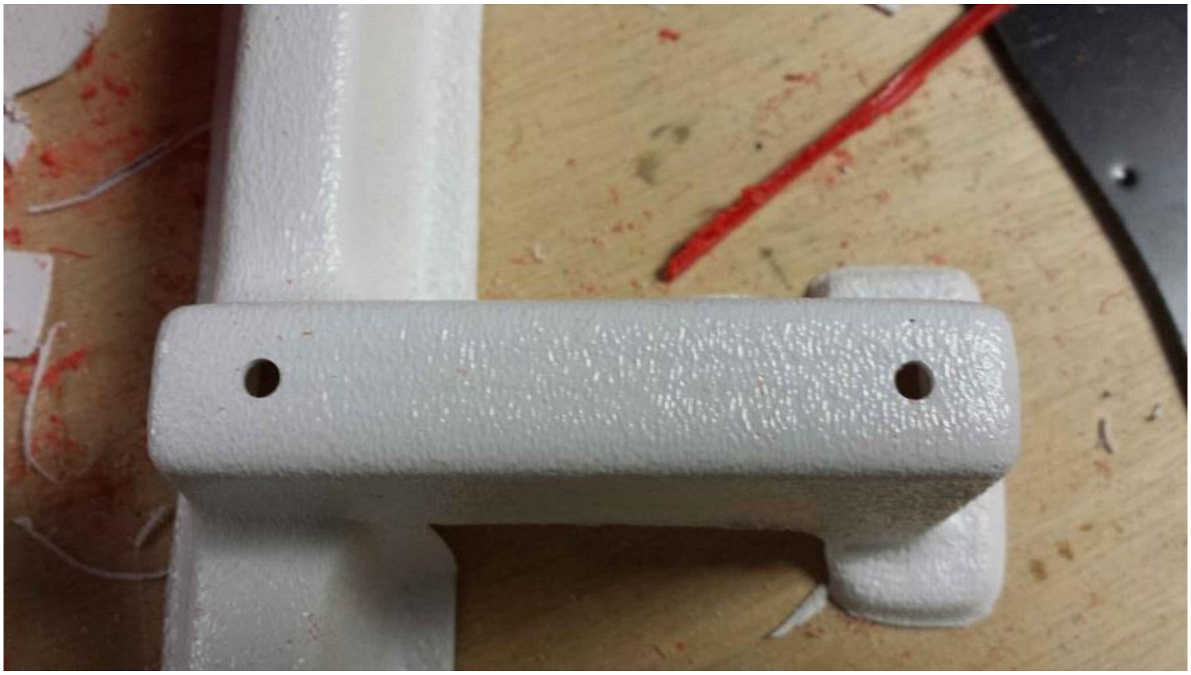

Start with a small drill then go to a quarter inch drill. Drill the outside holes first. You can use the dagger board for measurement.

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Drilled and trimmed (sanded/filed)

Note: The red hull depicted is a prototype version 2 hull which does not have a lip, version 3 uses a lip to attach the cover to.

Test fitting the Dagger Board. Insert the thwart and mark so that once you add glue you can place it accurately. Note: I have switched to using Flex Seal for the adhesive, it takes a while to dry but makes a strong flexible joint.

Put something heavy on the thwart and use clamps to hold the thwart to the sides of the hull, put aside and let dry.

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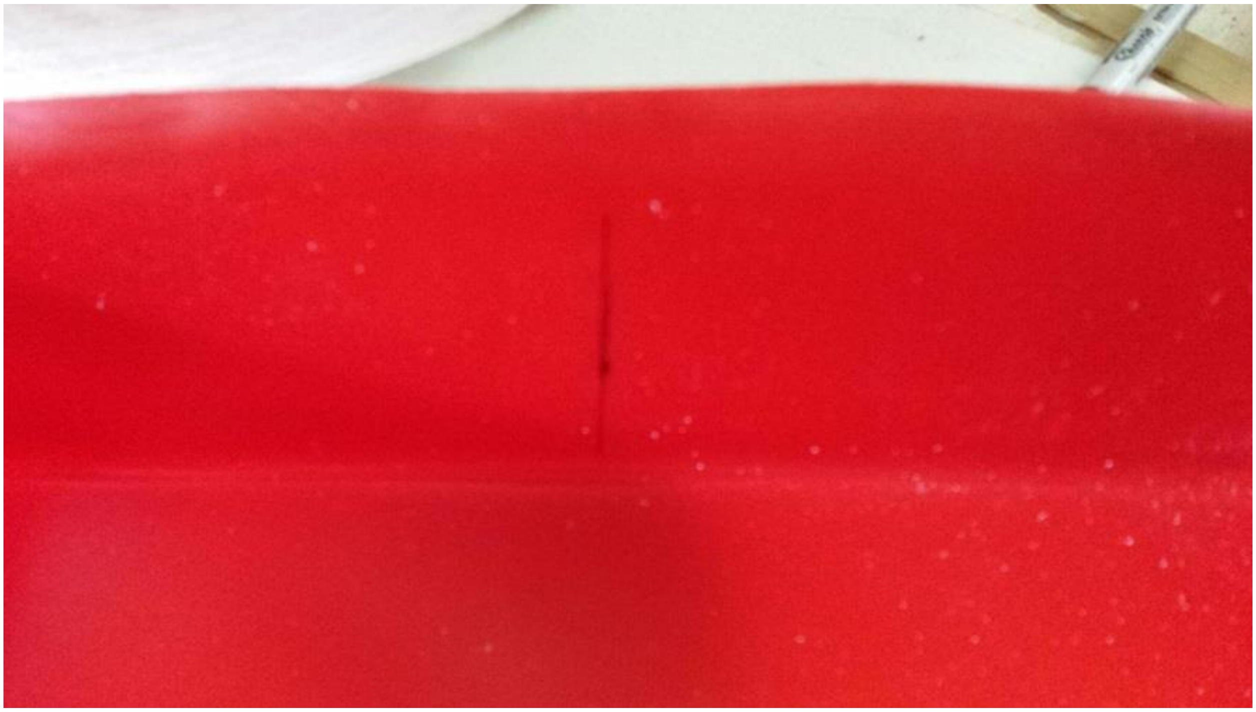
Preparing the rudder post for installation.



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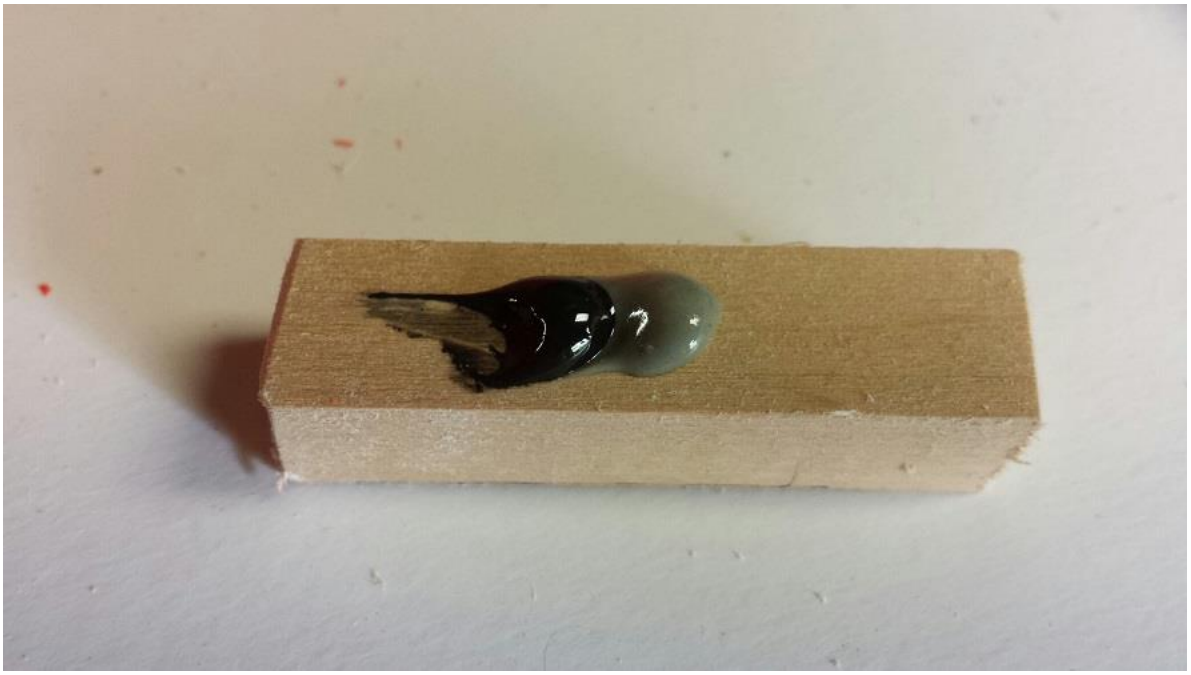

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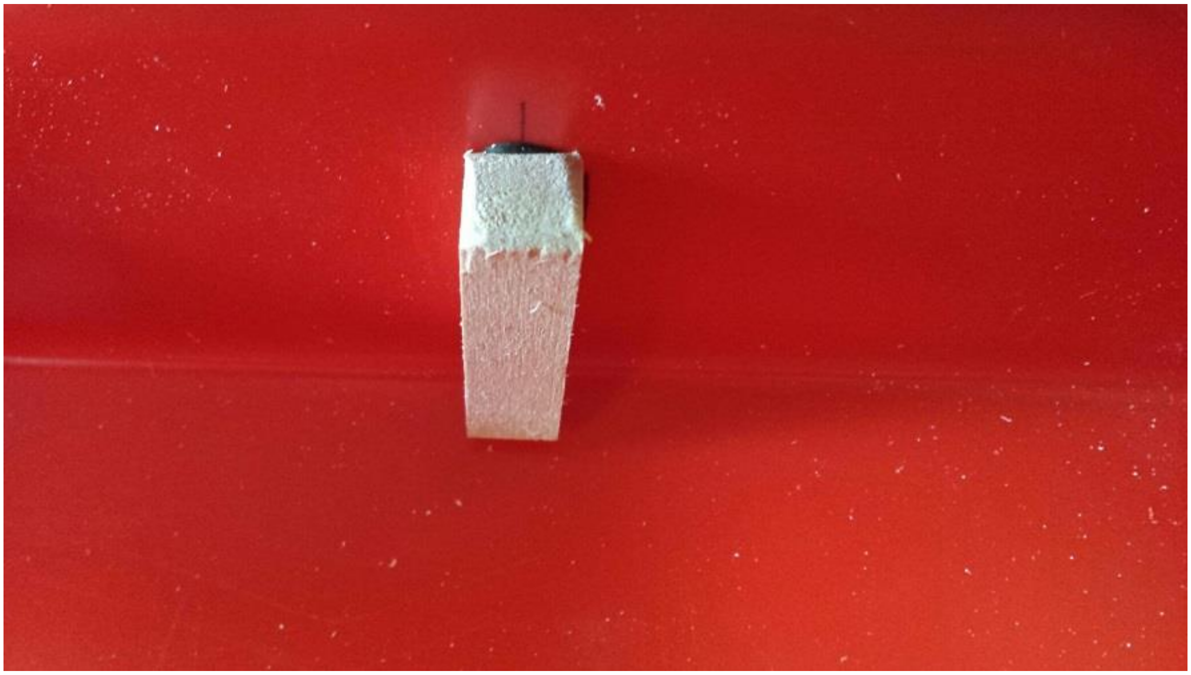

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