

These instructions will guide you through the installation of the fish finder kit on your kayak. These are basic guidelines that will allow you to understand the kit, but keep in mind that all kayaks are slightly different and you can customize your installation many ways.

## Parts

Review the contents of the kit and read the instructions before doing anything to your kayak. This way you will understand how the kit works and will be able to determine if there is anything you would like to change. The diagram shows all of the parts in this kit.

A video of this install is available on YouTube to help guide you through the installation process. You can find it by searching for our **HobieKayakTech** channel. Click the **Videos** tab and scroll through the videos to find it.

## Mounting the Transducer

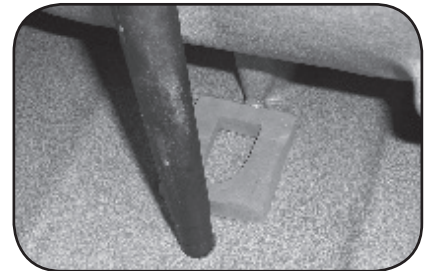
1. Locate a spot on the bottom of the kayak where you would like to mount the transducer for the fish finder. You will need to have a hatch near this area so that you can reach inside of the kayak to glue it in place. On MirageDrive® kayaks, we recommend that you put it between the mast base and mirage well as shown here.
2. Once you pick a spot, rough up the inside surface area of the kayak a little bit with some fine sandpaper so that the insulation pad will stick. Clean away any sand and debris from the designated spot for the insulation pad. Coat one side of the insulation pad with the marine goop in the kit and stick it to the surface that you scratched up. Put enough goop on the pad and press it down so that it squeezes out a little around the sides. You can also use 5 minute epoxy or superglue for a quicker drying time. Place some weight on the pad to hold it in position and allow it to dry 2-4 hours before moving onto the next step.

**Note: The provided foam transducer pads will fit most Lowrance transducers.**

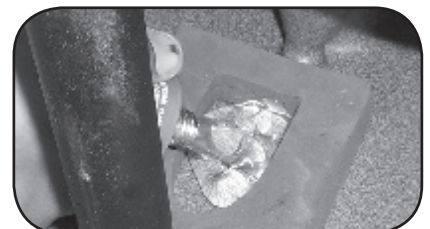
3. Fill the middle of the insulation pad with about 1/4"-1/2" of goop. Smooth out the goop with your finger (make sure to wear protective gloves) or a pop sickle stick to make sure that there aren't any voids or air bubbles. Air bubbles underneath the transducer can cause faulty readings.
4. Press the transducer from the fish finder package into the pool of goop that you squeezed into the middle of the insulation pad. Make sure that the transducer is pressed all the way in. Work the transducer into the goop by pressing side to side to get rid of any possible air bubbles. Clean up the excess goop that is squeezed out from inserting the transducer.



1&2.



3.



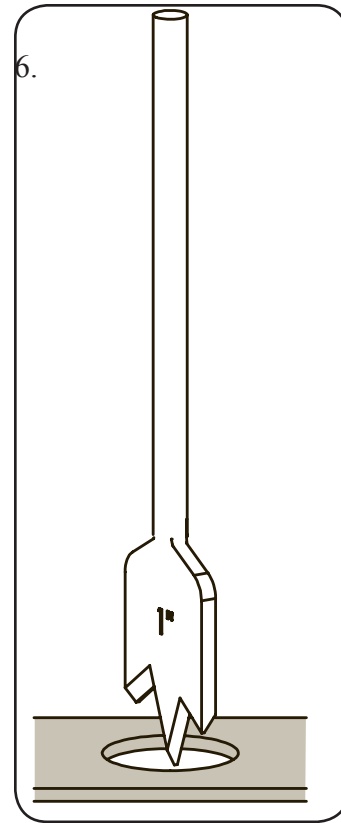
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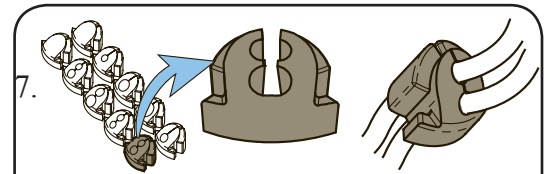
5. Allow the goop to dry as per the instructions on the glue packaging. Place some weight or tape on top of the transducer to keep it from shifting while drying. Let the goop dry as per the instructions on the tube.

### Running Transducer & Power Cable

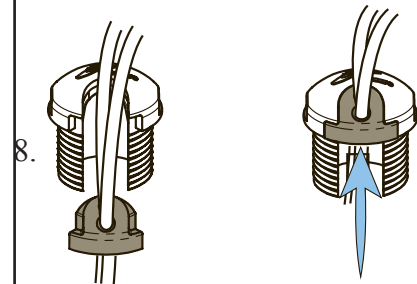
6. Drill a 1" hole where you would like to pass the wire through the hull close to where you will mount your fishfinder monitor.



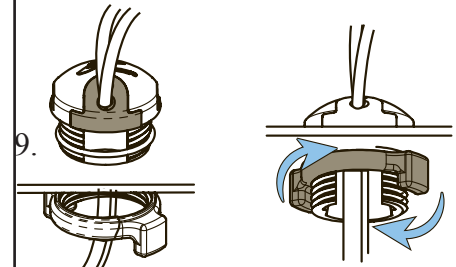
7. Choose the correct plug for your wire size and insert the wire by opening the plug along the slit.



8. Press the new plug with the wire installed into the plastic plug, making sure it fits properly.

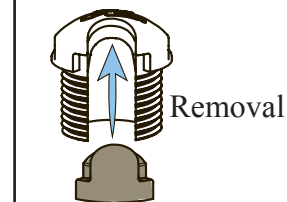


9. Bolt the thru-hull wire assembly to the hull using the nut, making sure the o-ring is installed.



If you decide to remove the wire from the plug, insert the solid plug and re-install to seal the hole.

**Note:** For certain fishfinders, like the Lowrance HDI models, you may want to install an additional thru hull wire plug for running cables out of the kayak hull. If this is the case you will need to drill a 1" diameter hole using a spade bit or hole saw in the desired location that the wires will exit. We have included an additional thru hull wire plug in this kit for this reason.



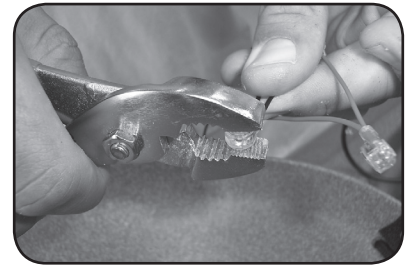
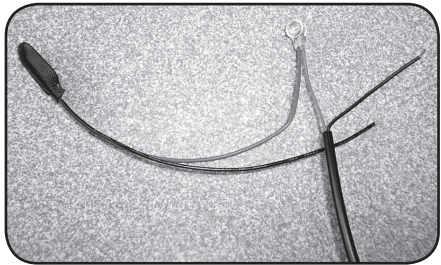
10. Mount your fishfinder display screen to the kayak in the location that you would like to have it. You can follow the instructions and use the hardware that comes with your fishfinder or use a different mount to mount it to the kayak. In this picture we have used a RAM® fishfinder mount that allows the fishfinder to be easily removed or adjusted.

#### Connecting Power Cable to Power Source

11. Locate the small red and black wires that are coming from the transducer power cable. You will need to connect these to the Pigtail wire assembly. If desired, install the fuse box and fuse provided by Lowrance in the fishfinder package before going on to the next step. Some fishfinders come with fuses and some do not. You can use the wire connectors provided in the installation kit for most connections.

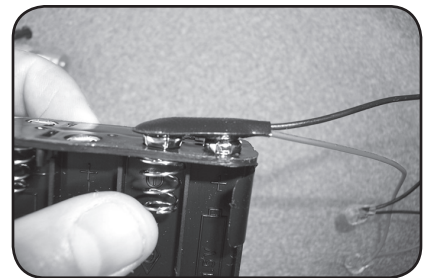
12. Take the end of the red wire coming from the transducer and the red wire that is on the battery harness wire and put them in the small orange and clear connectors. Once the wires are all the way in, press the button on the connectors with a pair of pliers until the button presses all the way in. When the button is depressed, it connects the wires and pops a gel pack to insulate the wires from water. Repeat this same procedure with the black wires.

12.



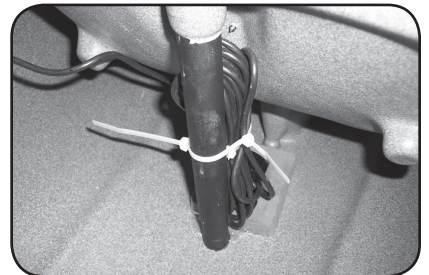
13. Plug the end of the battery harness cable to the battery harness and load the battery pack with the AA batteries.

13.



14. Bundle up the extra transducer cable and wrap a zip tie around them to keep it organized. **DO NOT CUT THE EXCESS WIRES TO SHORTEN THEM! THIS WILL RUIN THE QUALITY OF THE SIGNAL TO THE TRANSDUCER.** We also recommend that you zip tie them to something in the kayak to keep them from sliding around (like the mast base or scupper). If you have a large bundle, you can link the zip ties together to form a bigger loop. **DO NOT PUT EXCESSIVE TENSION ON THE ZIP TIE. IT SHOULD ONLY HOLD ENOUGH PRESSURE TO HOLD THE WIRE IN PLACE.**

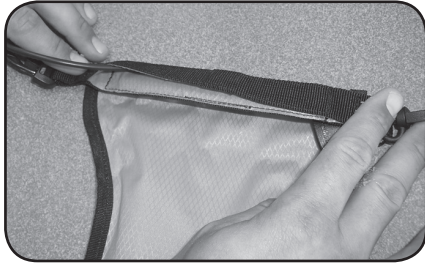
14.





15. To keep the battery pack away from any water, place it inside of the dry bag and wrap the opening of the bag 2-3 times and click the side release buckle together. To keep the bag from sliding around the inside of the kayak, you can clip it around the mast base or attach it to any fittings that you may have inside the kayak.

15.



16. Plug the power cable and transducer cable in to the back of the fishfinder monitor and the battery harness on to the battery pack that is holding 8 AA batteries. Turn on the fishfinder and make sure it works. If it does not turn on check your connections and check that the AA batteries are installed correctly.

17. After you are finished using your fish finder for the day there is a rubber cap in this kit which goes over the end of the plug to prevent corrosion.

17.



**12V Battery Charging Instructions:** Plug the battery in to the battery charger making sure the tab on the male pigtail aligns with the clip on the female pigtail. Plug the battery charger in to an electrical outlet. If the light on the charger turns red the battery is in need of charging and should remain plugged in until the light turns green. A green light means the battery is charged and the charger has switched to trickle charge. At this point it is ready to be unplugged from the socket and used.