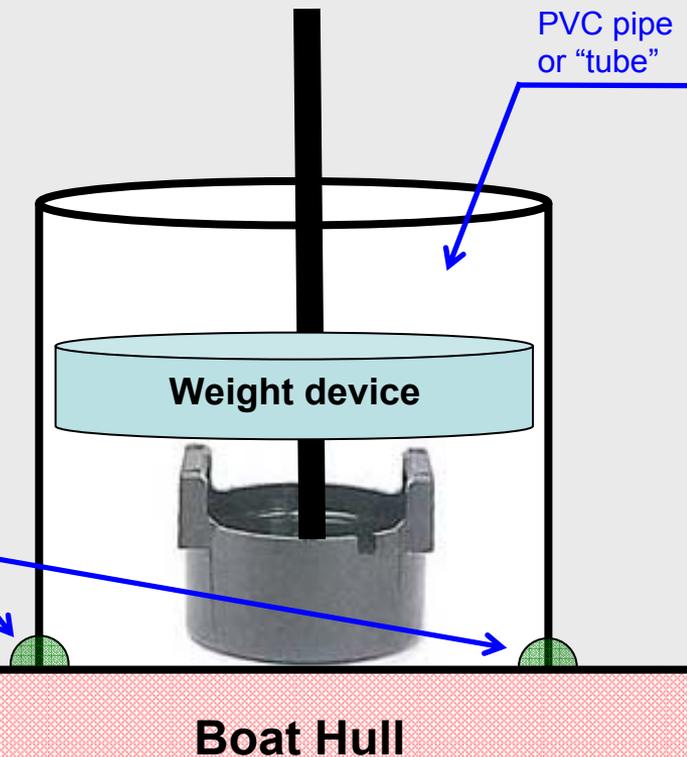


Alternative Inside-the-Hull Transducer Mounting

A standard transom mounted transducer inside of a piece of PVC pipe or another type of a “tube” and the tube filled with a liquid. The advantages of doing this are that the mount is not permanent and that the transducer may be repositioned or replaced without as much effort as a traditional epoxy installed transducer would be. Another advantage is that this type of mounting creates a “transducer bath” that can be formed to the deadrise angle or irregular shaped hull of any boat by simply cutting the same angle on the bottom of the PVC tube or custom cutting it to fit inside the sump of a boat.

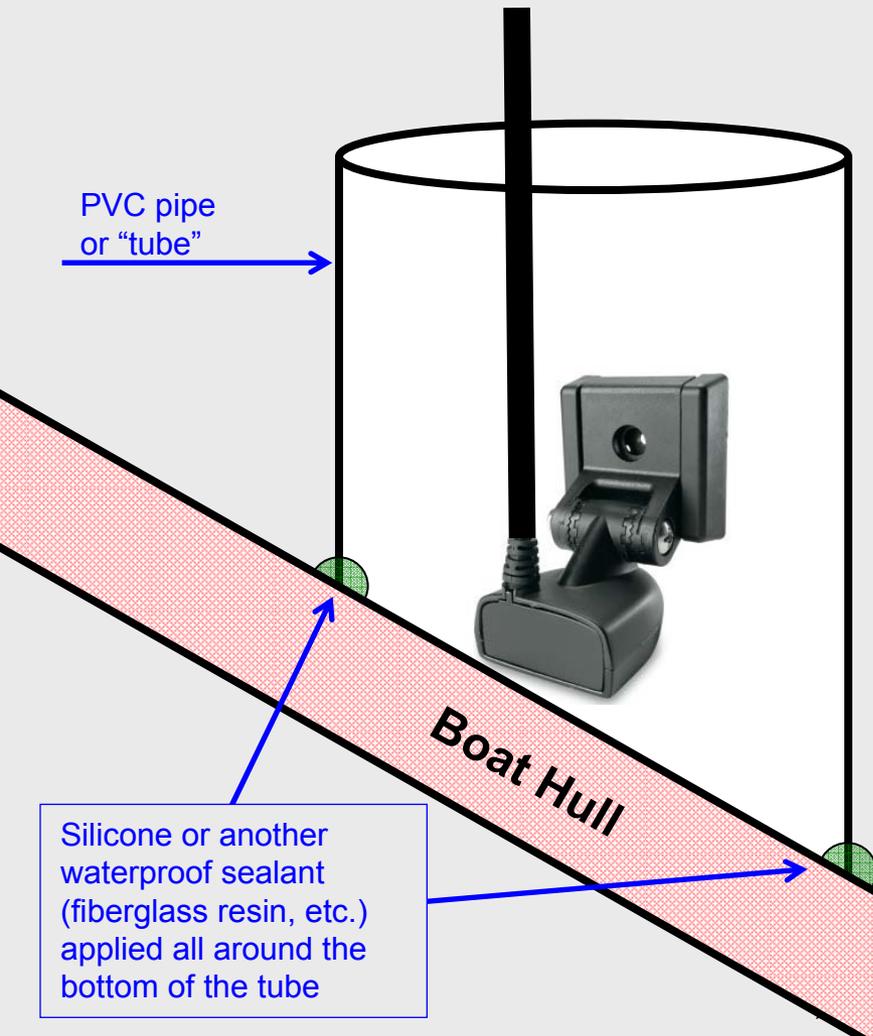
- The size of PVC needed will be determined by the size of the transducer. Other materials may be used in place of the PVC pipe. These do not have to be round in shape but must allow for the transducer to be mounted to the inside so that the face of the transducer is pointed straight down into the water.
- A weight device, that will withstand the affects of the filler liquid, will need to be placed on top of the transducer so that it will not tip over or otherwise move during rough boating conditions.
- Note that the transducer must be pointed / oriented in the correct direction if it is directional. Normally this is with the front / nose / pointed end towards the bow of the boat. The transducer is shown from an angled view for illustration purposes only.
- Water, mineral oil or a non-toxic anti-freeze liquid may be used to fill the tube.
- The tube may be capped and sealed to reduce the fill liquid from splashing out or evaporating. Be sure to drill a large enough hole in the cap so that the transducer cable connector may pass through without damage. The hole may be sealed afterwards.
- It must be noted that if the transducer used has a built-in temperature sensor, that the temperature read will be that of the fill liquid and not the water on the outside of the hull.

Silicone or another waterproof sealant (fiberglass resin, etc.) applied all around the bottom of the tube



Alternative Inside-the-Hull Transducer Mounting

A standard transom mounted transducer inside of a piece of PVC pipe or another type of a “tube” and the tube filled with a liquid. The advantages of doing this are that the mount is not permanent and that the transducer may be repositioned or replaced without as much effort as a traditional epoxy installed transducer would be. Another advantage is that this type of mounting creates a “transducer bath” that can be formed to the deadrise angle or irregular shaped hull of any boat by simply cutting the same angle on the bottom of the PVC tube or custom cutting it to fit inside the sump of a boat.



- The size of PVC needed will be determined by the size of the transducer and mounting hardware used. Other materials may be used in place of the PVC pipe. These do not have to be round in shape but must allow for the transducer to be mounted to the inside so that the face of the transducer is pointed straight down into the water.
- If needed the transducer mount and/or hardware may be modified or substituted as needed.
- Note that the transducer must be pointed / oriented in the correct direction if it is directional. Normally this is with the front / nose / pointed end towards the bow of the boat. The transducer is shown from an angled view for illustration purposes only.
- Water, mineral oil or a non-toxic anti-freeze liquid may be used to fill the tube.
- The tube may be capped and sealed to reduce the fill liquid from splashing out or evaporating. Be sure to drill a large enough hole in the cap so that the transducer cable connector may pass through without damage. The hole may be sealed afterwards.
- It must be noted that if the transducer used has a built-in temperature sensor, that the temperature read will be that of the fill liquid and not the water on the outside of the hull.