

Step 6 – Installing the Paddle Wheel

If Perfect Pass is installed replace this step with step 7

Use the measurements on the attached chart to find the location, under the boat, to mount the paddle wheel. Use a 3/16" drill bit to drill the pilot hole, check inside the boat to make sure there are no hoses or wires in this area before drilling the hole. From the under side of the boat use a 2" hole saw to drill out the hole.

Apply a healthy amount of water tight caulking to the paddle wheel base and insert the wheel from the bottom of the boat. Make sure the arrow on the paddle wheel is pointing forward for the most accurate reading. Clean caulk off from around the paddle wheel, this bead of caulk can disrupt the signal. Use a guide cable/wire to pull the paddle wheel wire up to the pod area on the deck. On the paddle wheel you will find 5 wires, the white and brown wires will not be used. Attach the red wire to the IGN stud of the MPH gauge, the green wire will connect to the SIG stud and the bare wire will connect to the GND stud.

Step 7 – ONLY IF PERFECT PASS IS INSTALLED

In the kit will be a Perfect Pass jumper wire, connect the green wire to the SIG stud on the MPH gauge and the white wire to the GND stud. Disconnect the Perfect Pass paddle wheel from the P.P. module and connect the jumper wire to the module. Connect the paddle wheel wire to the only remaining connector on the jumper wire. Tie up and secure all wires. Fig. 1 connects to the paddle wheel, Fig 2 connects to the Perfect Pass module, Fig 3 connects to the MPH gauge

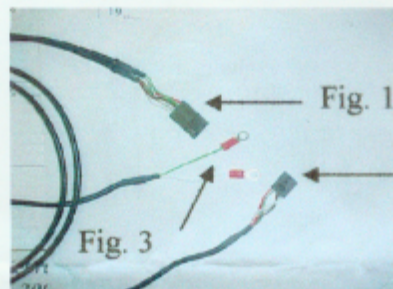


Fig. 2

Step 8 – Re-installing the pod & mounting the Potentiometer

After all the wires have been connected to the gauges slide the potentiometer (POT) through the access hole in the pod. Set the pod in place but do not secure with screws until the final battery check has been done.

The POT will mount to the black L-bracket and the bracket will thru-bolt to the under side of the deck under the pod. The POT can be attached to the L-bracket with the nut supplied with the POT. Use 2 each 10-24 X 1 1/4" Oval Head Machine Screws with 2 each 10-24 Nylon Lock Nuts to secure the bracket in place.



Step 9 – Battery checking

Connect the battery and power up the system, check that the lights work properly on the gauges and that the needles in the gauges have power. Lake test the boat to check proper operation of the gauges, if the MPH gauge reading is off use the POT to adjust it to the correct reading. Check the mounting of the paddle wheel in the bilge to make sure there are no leaks.