

INSTALLING THE SEELEVEL II TANK MONITORS ON A BREEZE

I installed the SeeLevel on our Breeze in April 2013. On the fresh water tank the only accessible location for the sender panel is the front DS corner of the tank, in the first compartment back from the propane compartment. The grey and black water tank are accessible from the PS compartment in front of the rear wheels. This compartment has a grey felt covered panel. This panel was difficult to remove because it was installed with self-tapping screws through the metal and into the plywood. Turning the screws backwards just resulted in the screws locking up. I finally took a hammer to the plywood. After getting the screws out I drilled out the holes in the steel. I guess the plywood panel was put in before the floor was put in because it was difficult to get out – too large for the opening. I had to trim the panel to get it back in.

The SeeLevel monitors require a ground wire and another wire for the signals. I choose to use the wire from the black tank to use for the signal wire. The original tank probes are right there on the ends of the tanks. The black tank is black and is the rear most tank. The grey tank is sort of a dark grey color and is in front of the black tank. Each tank has three probes, which are connected in series. So there is only a ground wire and one signal wire from each tank. I chose the black tank wire because I wanted to keep the original tank monitoring system in place, and since the grey tank always filled before the black tank, I figured I could do without the black. The ground wire is easy to identify because it is connected to the heavy white wires. These tanks have a nice large flat area on which to mount the sender panels.

For the fresh water tank, I got a 15-foot long piece of romex (house wiring) and fed it through the forward hole in the frame, on top of the water tank, till the end came out in front of the fresh water tank. Then I soldered the leads from the sender panel to the end of the romex, black ground lead to the white wire and blue signal lead to the black wire. Then I lifted up the sender panel to get it in place on the tank. I could not follow the instructions to tape it to the tank and check to see if it gives good readings. There is just not enough room to get your hand between the frame and the tank. I just barely got the sender panel up in there when the bottom touched the tank and it stuck. So that is where it is mounted. The next time I would use a paint stirring stick and tape the sender panel to the paint stick with a bit of double-stick tape. Then carefully lift the sender panel into place before pushing it up against the tank. You have to be real careful not to pull anything off the sender panel when removing the paint stir stick. I then pulled the romex back to the rear until the leads from the sender panel went over the top of the tank, snug, but not tight. Then I put Gorilla tape over the leads and the romex. Where the romex went through the frame I used the Gorilla tape to hold it in place and also over the top of the grey and black tanks.

Then I stripped about one inch of the white ground wire above the black tank and wrapped the white wire of the romex around it, as well as the black wires from the two sender panels. Then I soldered that connection and taped it. I cut the signal wire from the black from the black tank and wrapped it around the black wire of the romex, as well as the blue wires from the two sender panels. I soldered that and taped it. Then I taped the two sender panels to the tanks.

I installed the display panel below the original monitor panel by removing the four screws holding the wood panel on which the switches and monitors are mounted. I cut four slots in the plywood panel and then used a hack saw blade to complete the cutout. I had to trim about 1/8 inch from the one-by behind the panel for the display panel to fit. The wires on the back of the panel are all identified, if you can read the small print. I used a long piece of wire and an ohm meter to make sure I had the right wire. I cut the

wires for the black tank and the propane tank, cut off about a foot and a half of excess wire, and soldered them to the leads on the connector for the display. I cut a ground wire and a hot wire, threw away about three feet of excess wire, soldered and taped the wires. I screwed the display panel to the plywood panel and put that panel back in place. I pushed the buttons on the SeeLevel display and everything worked.

Then I removed the temporary tape from the sender panels on the black and grey tanks and stuck them in place. Then I taped the wires from the sender panels to the top of the tanks and taped the white ground wire and signal wire to the top of the tank. I had to trim the bottom right corner of the felt-covered plywood to get it back in place.