

## **Tank Monitor System**

Started to have a problem with my waste water tank monitoring system, from what I understand it's a problem that everyone seems to have. Tried everything to clean the sensors in the tank, but after a while they just clog and shorted out again. Another problem is that it was just an estimate never a very accurate reading especially once the tank was filled, or near filled.

After some investigation, I settled on a mass approximation sensor system. This system was based on the resistance of the liquid within the tank between two parallel sensing foils on the outside of the tank. This seemed like a very logical approach, no way of actually clogging or shorting out the sensors.

The reading's seem to be fairly accurate, not perfect but close enough to do some flexing in the tanks themselves. Installations quite easy all had to do was clean the side of the various tanks and tape two aluminum foils from top to bottom on each tank. The most difficult part was to run the wires between all the tanks to one central location within the coach.