



1/2" floor flange



1/2 nipple



1/2 ball Valve



Hose Connector

Locate best place on black tank for drilling and attaching floor flange. I used "Eternabond" as a seal along with stainless screws. (is it really necessary to say "be sure the black tank is empty and clean?") Drill all holes including the center hole, scuff up tank area with Course sandpaper and clean with acetone. Attach nipple to flange and install to tank. Using hose or pvc pipe to run to valve and hose connector. I attached the valve to the undercarriage using aluminum stock plate. You could skip this step by purchasing a city water flange and attach to camper. With the city water flange a valve would not be needed as the CWF has a built in check valve.

I have left the actual connections and routing up to the DIY person as that could be determined for each camper. In my case I used vinyl hose that was remaining from a previous project.

After completion I tested the system to be sure nothing was leaking. Filling the black tank was quick as there were no restrictions on the water volume. Watching the water flow from above I was very happy with the power flushing action. Water action seemed to be better than the factory spinning "tornado" system on a previous RV.