

This is my write up for installing the Waste Master Cam-Loc style hose and a storage system for it under my ORV 18DB.

Here is a link to the site I purchased the product from. This company is Drain Master and are the inventor of the Waste Master System and sold the rights for Lippert to sell them as well. Great folks to deal with. [Waste Master](#)



I was sold on the waster master cam loc style after having many leaky connections over the years with the industry standard bayonet fittings. When we got our new rig I was searching for a sewer hose and this came up. I considered a masticator but liked this better.

So this 28 foot collapsible hose has an attached head which makes it a challenging for storing under the camper. They also sell a 20 foot version. DrainMaster/Lippert does make a large box (picture above) to store it in that also has the ability to keep it permanently attached to the sewer discharge pipe but that was going to be problematic as far as mounting on my travel trailer. I went with their box for the head part that is traditionally surface mounted on an rv but instead suspended it under the coach.

I will say the hose did store nicely in a 24 gallon action packer with all the rest of my sewer stuff but it took up a lot of room so I wanted to move it under the rig and doing so has been really nice. I downsized all of my sewer stuff to an 8 gallon action packer and that includes a 50 foot grey garden hose. I used a 10 foot 4" landscape pipe to store the pipe and that is what the manufacture uses to fit on the end of their custom storage box for the head. I ended up painting it black. If the head was removable this would be so much easier but its not so here we are. Note that you need 94" total for the 28 foot hose fully compressed this includes the head.

Here are the parts.

3" type B water heater/furnace pipe hangers

4" landscape pipe

4" landscape union

4" ABS cleanout and threaded plug

2" aluminum angle

¼" bolts, flat and lock washers and nuts

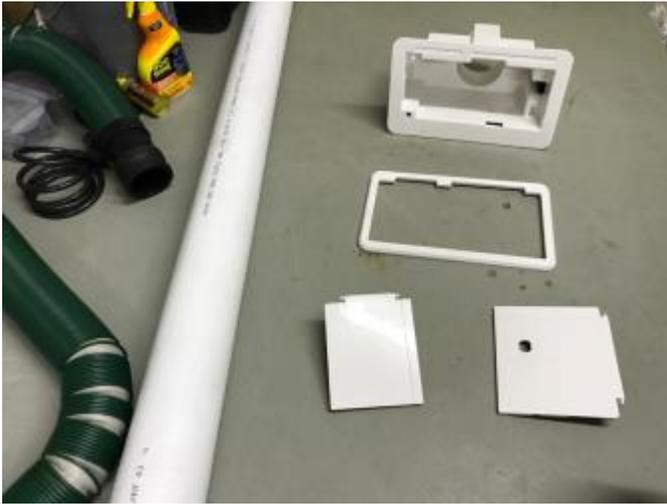


Here is the 4" landscape union and the 4" ABS cleanout fitting. The union fits directly inside the cleanout very tightly. So tightly I couldn't remove it to glue it. I hit a few times with a mallet and its never coming out. The 4" landscape pipe does not fit in the ABS fitting. I wanted this cleanout to access both sides of the storage pipe. I originally was going to cap it but opted for this.

- You only need one union the extra one is for demonstration only



The landscape pipe before I painted in black.



Pipe, sewer-hose, the storage box that is for the head that the pipe glues on to. Its all taken apart for paint. I wanted to paint it black because its exposed to all the road grime.



The storage box painted before assembly



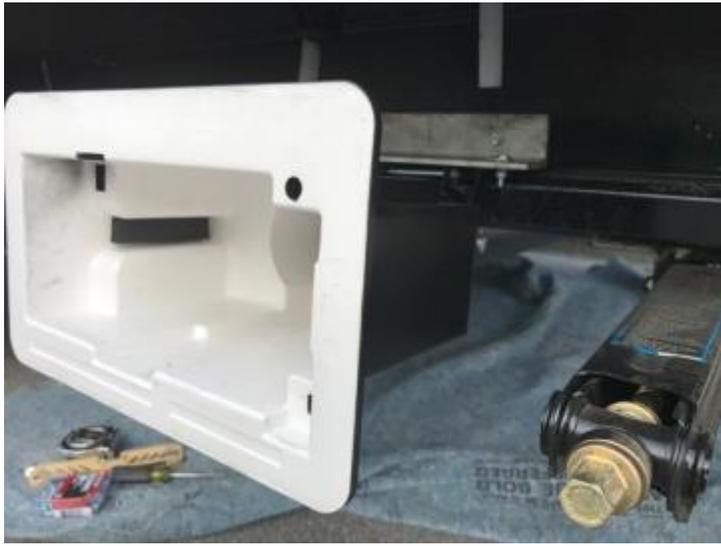
3" vent pipe hangers that are used to support the pipe under the trailer. The ORV is completely sealed underneath with a skin so all I had to support from was the outside frame.

Below is the 2" aluminum angle that I had lying around the garage. It worked perfectly to attach to the frame and then attach the hangers to it.





Here is the 2" aluminum angle attached to the frame on the driver side of the trailer. It was mirrored on the passenger side. This is what the 3" vent hangers are attached to. Then the 3" hangers fit really tight around the 4" landscape pipe. The thing is not going anywhere.



Here is the mock up. In this middle picture I just have the pipe fitting on the back of the box supported on the bracket. Its hard to see the vent pipe hangers because I painted them black. Next page has a blown up picture and you can see the vent pipe better. In the bottom picture you can see the brackets better. I ended up cutting the pipe after I installed the passenger side to ensure I got it fit perfectly.





Here is the passenger side pipe after its mounted and cut. I needed 94" from the box to the end. This 94" was total and included the ABS cleanout I installed which is on the next page.



Here is the passenger side fit with the ABS cleanout. I had to adapt this with the 4" union for the drain pipe. This is styrene so I used ABS glue even though its white in appearance it worked fine. I like having the cleanout just in case the hose ever got stuck or I want to hose it out.



Driver side with hose mounted in box.

All closed up.





Here is a rear view. Its flush with the trailer side.

Took my rattle can back at it in the morning and painted all the scuffs on the pipe and painted the aluminum angle.

I camped with it that weekend it worked very slick.



The next thing I did was find a place to mount the Lippert flow down hose supporting system.

[Flow Down](#)

So far I like the concept and did use it on the first trip with the hose. My only mod will be to perhaps lengthen some of the legs as I had a pretty good drop down to my sewer connection at the campground. All I needed was 2" to get it up and I used a 2x4 under one section and I was good.

So I ended up storing the supports in the 4" bumper on the RV that's meant for a sewer hose. I took the idea from other mods on the forum of using 4" rain gutter and putting the support brackets on there. I did have to trim the insert plugs in order for it all to fit. It is kind of tight pulling it out and so far my solution is I pull out one support, go to the other side and push out the gutter a foot and then I can easily pull it all out. Since I have a 28' hose I bought two of the support systems on etrailer. They all fit in there. I keep the couplers and leveling rods in my sewer box which is a 8 gallon action packer. I also keep my 50' grey garden hose in there.



