

Winterization Guide for 2022 Model Voyager Trailers

Winterizing your Voyager trailer is an essential step to ensure the long winter months don't damage your water system. The method outlined below is for using an air compressor to blow water out of the system. The process is simple and should be followed in the order listed below.

Items needed:

- Air compressor with hose
- Air nozzle
- Air nozzle tip large enough to cover the fill port, the fill port diameter is 1.25". Amazon offers a set of tips that includes a large 1.4" diameter tip that works great. Link: <https://a.co/d/f3RUbU2>

Step 1: Depressurize the water system by turning off the water pump and turning on both the kitchen faucet and the shower connected to the instant hot water heater located at the inside driver's side door of the cargo box. Make sure to select both hot and cold water to ensure both hot and cold sides are depressurized.

Step 2: Place an appropriate container based on the amount of water you have in your tank and remove the ½" plug located at the bottom of the water tank (on the back driver's side). Allow water to drain while faucet and shower are on, preferably with the faucet turned to a warm water setting to allow air to enter both hot and cold sides of the system.

Step 3: Open drain valve on instant hot water heater to remove water from unit. This valve is indicated by the green circle in the image below. Leave this valve open.



Step 7: Ensure all water has drained from the tank, if needed, wait for tank to completely drain before moving on to the next step.

Step 8: Now that you've got the bulk of the water out of the system, turn off the sink faucet and replace the ½" plug on the bottom of the tank.

Step 9: Set your air compressor to 45 psi. This is a critical step to ensure the water system does not get over pressurized and damage any components.

Step 10: With the instant hot water heater drain valve open (this was done in step 3) make sure the diverter valve is in horizontal position (indicated by the red arrow in the image above) and shower handle is in the on position. Turn on water pump, this allows air to pass through the pump and push out water still in the lines.

Step 11: With your compressor set to 45 psi and the shower handle turned on, blow air into the fill port of the tank. You may notice water coming out of the breather vent next to the fill port, this is normal, and you should allow any water that is still in this tube to come out.

Step 12: Once there is no water coming out of the breather vent, use your finger to plug the breather to direct the pressure to the shower (Alternatively you can remove the shower head so the hose from the instant hot water heater is completely open.) You may notice additional water coming out of the drain valve opened in step 3, this is normal, and you should allow any water that is still in the instant hot water heater to come out. Ensure there is no water in the shower hose or handle.

Step 13: Once there is no more water coming out of the instant hot water heater drain valve or the shower hose, close the drain valve on the instant hot water heater.

Step 14: Turn diverter valve (indicated by a red arrow in the image above) to the vertical position. Open warm water side of sink faucet and continue blowing air into the fill port. Once there is no more water coming out of the sink faucet, stop blowing and repeat process for cold water side of sink faucet. Once there is no more water coming out, stop blowing and turn off the sink. Turn off water pump.

Step 15: Remove and clean out the strainer located on the inlet side of the pump located under the rear of the trailer and replace.

Congratulations, you have now winterized your Voyager Trailer!

To return your Voyager trailer to service:

Step 1: Disinfect water system, fill water tank and enjoy! Keep in mind that turning on the sink faucet or shower on for the first time you will notice air burping out as air is being purged from the system.

Water System Disinfection Instructions:

To ensure complete disinfection of the potable water system, it is recommended that the following procedures be followed on a new system, one that has not been used for a period of time, or one that could have become contaminated. This procedure is also recommended before long periods of storage such as over winter.

1. Prepare a chlorine solution using 1 gal. (3.8 L) of water and 1/4 cup (60 ml) household bleach (sodium hypochlorite solution). With tank empty, pour chlorine solution into the tank. Use 1 gal. (3.8 L) solution for each 15 gal (57 L) of tank capacity. This procedure will result in a residual chlorine concentration of 50 ppm in the water system. If a 100 ppm concentration is required, as discussed in number 3 below, use 1/2 cup of household bleach with 1 gal. of water to prepare the chlorine solution. Use 1 gal. of the solution for each 15 gal. of tank capacity.
2. Complete filling of tank with potable water. Open each faucet and run the water until a distinct odor of chlorine can be detected in the water discharged. Do not forget the hot water taps.
3. Allow the system to stand for at least 4 hours when disinfecting with 50 ppm residual chlorine. If a shorter time period is desired, a 100 ppm chlorine concentration should be permitted to stand in the system for at least 1 hour.
4. Drain and flush with potable water.