

How To Guide

2016 CS Adventurous



HOW TO: De-Winterizing

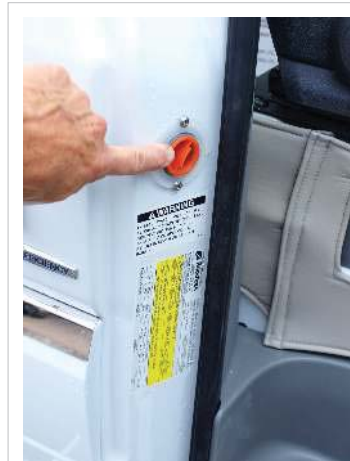
If you winterized only for a short time (less than a week) you can skip to the second step.

First step

You will need 2 gallons of water and 1 cup of fresh bleach. (Bleach loses its potency over time; always start with bleach that is less than 6 months old.)



Fresh water tank drain, under passenger front door step



Gravity fill on front passenger door post

1. Check to be sure the fresh water tank drain valve is closed, then add the water/bleach mixture to the fresh water tank through the gravity fill.
2. This is a good time to get some stuff for spring cleaning of your Roadtrek, so drive around for an hour. Let it sit for a couple more hours.
3. Open the fresh water tank drain valve and let the bleach/water mixture drain to ground. This can take 10 minutes or more. This kills any bacteria in the tanks before you distribute them through the entire water system.

Second step

You will need a good supply of fresh water and a cup of chlorine

- Fill the fresh water tank approximately 1/2 full, adding a cup of chlorine bleach halfway through the filling process.
- Turn on the water pump, and circulate the dilute bleach solution through the entire system. The water heater is still winterized. Run water out of all three faucets (galley, bathroom, and outside shower), hot and cold, until you smell chlorine. With the water pump on, open the city water valve and let the pump push water through the fill line for a minute or so.



Access to the city water valve, side door



Screws holding plastic radiator cover on



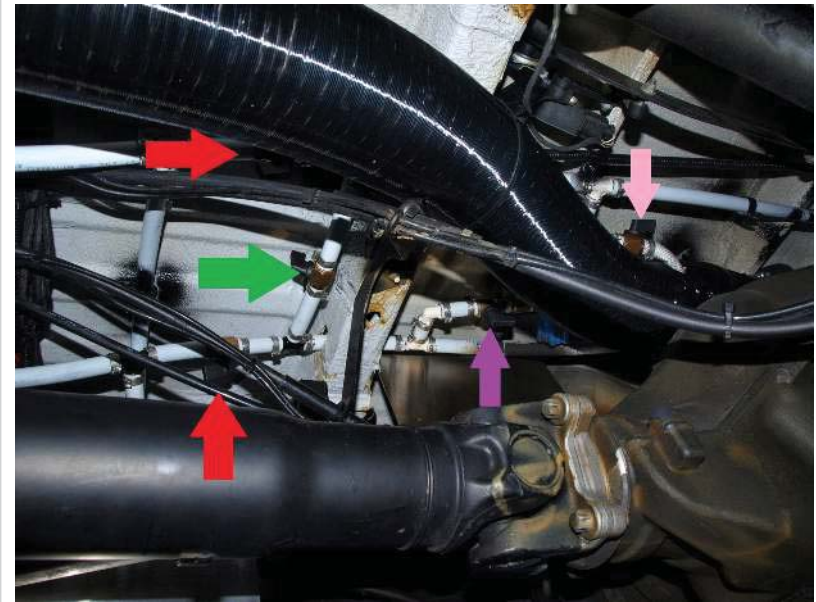
City water valve in open, along-the-line position

- To open the valve, loosen the Robertson head screws holding the plastic radiator cover on the side door step. Remove the plastic cover, and the city valve is inside the exposed opening on the left side of the side door step. Turn the handle horizontally to the parallel-to-the-line position (see photos above). The water pump will operate. Allow it to run about 20 seconds. Turn city water valve off (black plastic handle will be vertical).

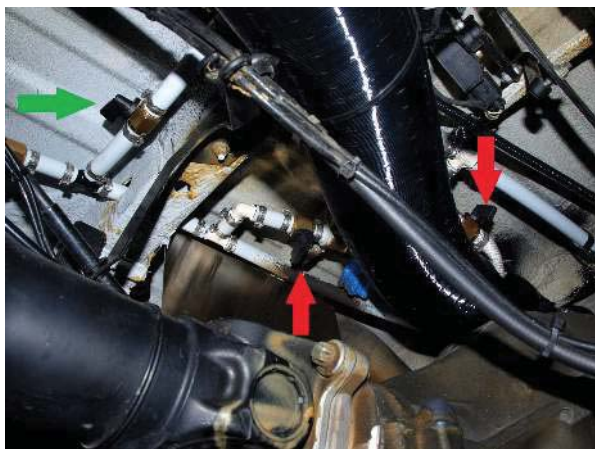


If your CS Adventurous has the Webasto diesel-powered hot water system instead of the standard Alde water heater, perform this step and skip the following step beginning "Open the galley sink...". If your CS Adventurous has the Alde system, skip to the next step beginning "Lift the cushions...".

- Locate the Webasto diesel-fueled hot water unit underneath the vehicle. It is immediately behind the center of the rear axle (the differential). There are two air ducts on the front side of the unit, near the top. There are also two white water lines coming rearward from the front of the Roadtrek, one on each side of the centerline. Just before these lines get to the Webasto unit, there is a transverse white hose connecting them, with a valve on it. This is the shunt valve. To de-winterize, you close the shunt valve, and open the two valves on the hot and cold lines going into the Webasto BETWEEN THE SHUNT (TRANSVERSE) LINE AND THE WEBASTO UNIT. There may be other valves on the hot and cold lines forward of the transverse white hose connecting the two water lines - DO NOT TURN THESE VALVES. (see photos right and below). The valve on the line between the transverse line and the Webasto unit leading to the blue overpressure relief valve is the cold side bypass valve. Turn all three valves 90 degrees so the shunt valve handle is across the water line (closed) and the cold and hot line valve handles are along the line (open).



Wide view of the valves on the water lines forward of the Webasto unit. The two valves (red arrows) forward (left) of the shunt valve (green arrow) are to be left open whether the system is winterized or not. The hot (pink arrow) and cold (purple arrow) valves between the transverse shunt line and the Webasto unit are open normally, closed when winterized.



Webasto line valves in bypass position. Green arrow means valve is open, red closed. Front of vehicle is to the upper left.



Webasto line valves in normal operating position. Green arrow means valve is open, red closed.

- Lift the cushions and stowed rear table off the driver's side bench behind the wardrobe and loosen the screw securing the hinged cover. Lift the cover up to expose the three bypass valves on the water lines, and the Alde frost protection valve. Turn the three black plastic valves so that they all face forward (see photo below). Push the blue button at the base of the Alde frost protection valve in, and turn the blue handle on top 90 degrees so that it is parallel to the water line - pointing forward (see photo below).



Alde bypass valves in normal operating position



Frost protection valve in normal operating position

- Open the galley sink, move the handle in the hot water direction, and run the water pump until water flows from hot water tap at sink and you smell chlorine. The water heater holds several gallons, so it will take a while for it to fill up.
- Allow the system to sit overnight.
- Drain the fresh water tank completely, fill with clean water, and run all faucets (galley sink, bathroom, and outside shower) for 2-3 minutes each.
- Hold the instant hot water dispenser taps, both hot and cold, open for several minutes until the water runs clear and smells like chlorine. The hot water reservoir has a capacity of about a gallon, so this will take some time. After all the antifreeze is out of the system, remove the old water filter cartridge in the cabinet under the microwave, and replace with a fresh filter cartridge.
- To help get rid of the residual chlorine smell, pour a cup of vinegar into the fresh water tank, fill, let sit for a few hours, run the faucets for a minute or so apiece, drain the tank to ground, and refill with fresh water.