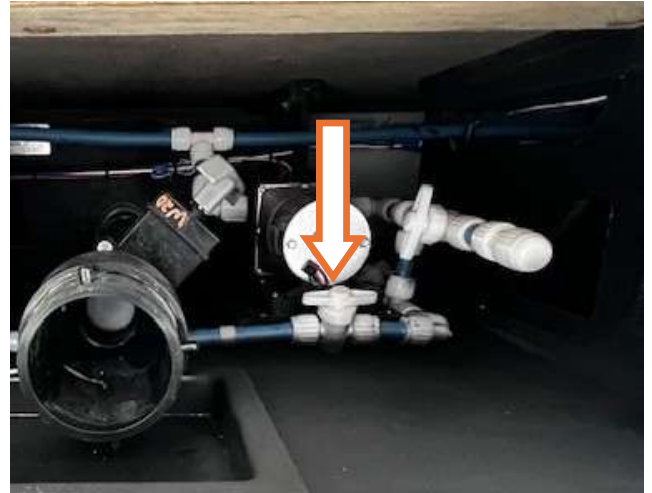


Winterization

Your Northern Lite 610 is constructed with features that allow you four seasons of use. When not using the camper in temperatures that may reach below freezing, you will need to winterize your camper using the following procedure.

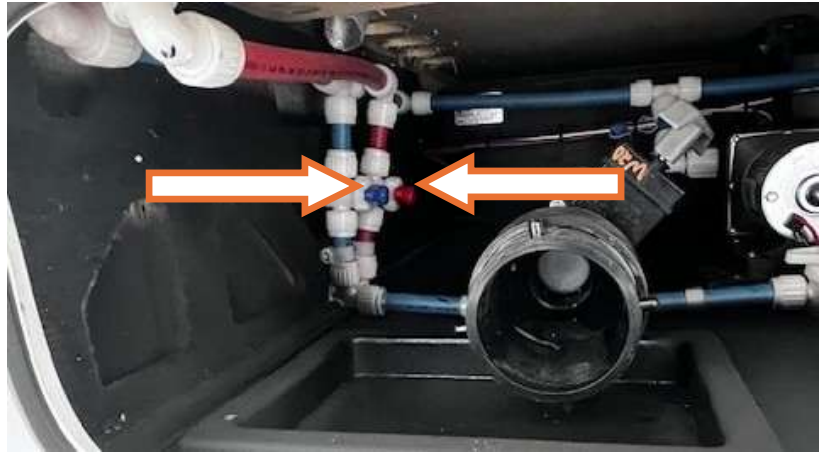
Draining the Water Tank

- Ensure the camper is on level ground,
- Located in the rear service compartment of your camper, is the water tank drain.
- This valve is to the right of the termination connection.
- To Drain the water tank, turn the white handle on the valve so that it aligns with the blue waterline, this will allow the tank to drain.
- Water should exit the camper on the roadside rear drain port.
- Once the flow has stopped, close the valve.



Draining the Waterlines

- Access the waterline low point drains in the rear service compartment.
- The blue handled valve is the cold low point drain, and the red handled valve is the hot low point drain. (Valves shown are in the closed position)
- Turn the Blue handled valve 90 degrees to drain the cold line.
- Opening the cold faucet in your kitchen and outside shower, will let air get into the system and speed up this process.
- Once the water flow has stopped close both valves and continue as indicated below.



Draining the Truma Combi

The water heater portion of your Truma Combi contains 2.64 gallons (10 litres) of water, which needs to be drained for storage in temperature below freezing.

To drain this portion of your Combi, you will need to open the Pressure relief valve located on the roadside of the camper under the dinette seat.

The lever on the end of the pressure relief valve when folded 90 degrees to the valve body is closed. Before opening the valve, ensure that there is no one standing outside the camper where the water will exit. This water may be hot, and scalding could occur if it contacts anyone.

With the water pump off, open the hot water at either the galley sink or the outside shower, this will relieve the pressure in the system and will also help to drain the Combi.

Open the pressure relief valve by flipping the lever so that it aligns with the waterline. Water should begin to exit the camper at the front driver's side port.

When the flow of water stops, flip the lever back into its folded position as shown.



Adding Anti-Freeze to the Waterlines

Your 610's water lines should be winterized, to prevent any water that may remain in faucets, toilets, showerhead etc. from freezing. This is a simple process and can save you from having to replace components that may become damaged if frozen.

To winterize the waterlines, follow the steps below.

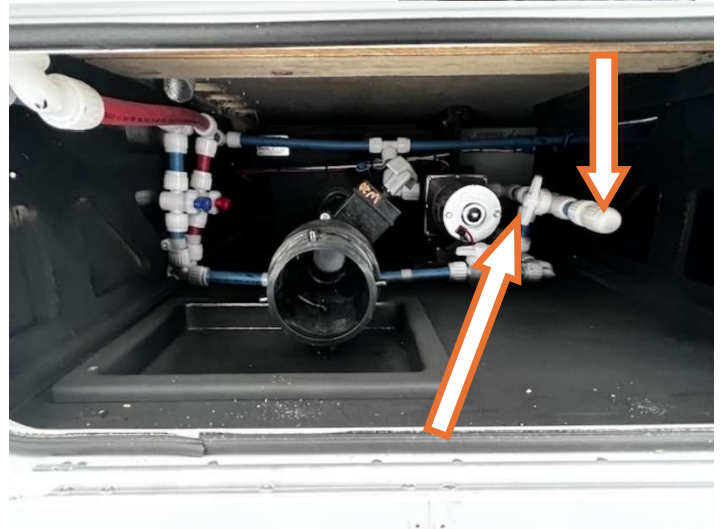
- Unscrew the black access hatch at the base of the fridge cabinet, to expose the water heater by-pass valve.
- This system only uses one controllable valve, as it incorporates a check valve at the Combi.



- In a normal operation mode, the valve handle runs parallel to the floor. This allows water to enter the Combi
- Turn this valve to a vertical position to shut off flow to the Combi, and to divert antifreeze flow to the remainder of the system.
- Once the valve is set to the vertical position, locate the anti-freeze pickup located in the rear service compartment. (valve shown in Normal Summer position)



- Unscrew the cap from the connection (arrow)
- Using the anti-freeze pickup assembly provided with your camper, screw the hose assembly onto the fitting that the cap was on.
- There is a valve behind the pickup fitting which allows the pump to draw from the anti-freeze pickup rather than the water tank. (The valve shown is the normal position for summer use)
- Turn the valve so that the handle aligns with the tubing.
- Place the flexible tubing of the antifreeze pickup into your gallon of anti-freeze.
- Enter the camper and turn on the water pump
- Open the kitchen faucet on cold until pink anti-freeze comes out. Repeat the process for the hot water.
- Flush the Cassette toilet until pink anti-freeze comes out.
- Exit the Camper and open the exterior shower hatch. Run the Cold faucet till pink anti-freeze comes out of the shower head. Repeat the process for the shower hot water.
- Go inside the camper and turn off the water pump
- Remove the anti-freeze pickup line, and store it for future use, re-install the cap on the fitting.
- Turn the Anti-freeze pickup valve so that it's handle is across the tubing.



Making the Camper Ready for Summer Use

After taking your camper out of winter storage, you will need to clear all anti-freeze from your waterline system, making the camper ready for another season of use!

To do this, follow these steps.

- Open the rear service door and open the red (hot) low point drain valve as well as the blue (cold) low point drain valve, anti-freeze should begin to drain. (opening a faucet will allow air into the line, speeding up the drainage)
- Ensure that the Water Tank Shut Off Valve is open with the handle aligned with the tubing. This will allow water from the tank to be picked up by the water pump.
- Ensure that the Water Tank Drain valve is closed with the hand positioned across the waterline.
- Add some water to your water tank, through the water fill port on the roadside of the camper.
- Turning on your water pump will speed up the drainage of anti-freeze through your low point drains.
- When the anti-freeze flow stops, close the Hot and the Cold Low point Drains in the service compartment.
- Open the cold faucet on your outside shower compartment, running the shower till the pink anti-freeze and fresh water comes out. Then close the faucet
- Repeat the above procedure for the Hot faucet on the outside shower.
- Open your cold faucet in the kitchen and run till the pink anti-freeze stops flowing and water starts to come out. Then close the faucet.
- Repeat the same procedure for you Hot water in the kitchen.
- You can flush the cassette toilet at this time by holding down the water button. Flushing is not necessary, as the toilet will be cleared of anti-freeze during the first use of the cassette toilet.
- Turn off the pump when all faucets have been cleared.
- You are now ready to use the 610 water system.