



AERIE 8 Model – Winterization Manual

1.0 Purpose

This manual provides detailed, step-by-step procedures to properly **winterize the plumbing system** of your **Soaring Eagle AERIE 8 truck camper**.

Winterization protects the camper's plumbing components from **freeze damage** during cold-weather storage. Proper completion of these steps ensures the **longevity and performance** of your **freshwater, grey water, and Truma water heater systems**.

NOTE: Always perform these steps **prior to the first freeze** in your area. Freeze damage is not covered under warranty.

2.0 Before You Begin

2.1 Preparation Overview

Park the camper on a **stable, level surface** with access to a **drainage area**. It is recommended to **remove the camper from your truck** and **slightly tilt it rearward towards driver side** to allow gravity drainage from the freshwater tank and plumbing lines.

Disconnect **electrical power** before beginning.

2.2 Tools and Supplies

Item	Purpose / Use
Non-toxic RV/Marine Antifreeze (pink)	Protects plumbing lines and traps from freezing; safe for potable systems.
Air Compressor with Blow-Out Plug	Removes residual water from plumbing lines (max. 30 psi).
Freshwater Drain Hose	Facilitates tank drainage to ground or container.
Clean Rags and Nitrile Gloves	For hygienic handling and final wipe-down.

CAUTION: Use only **RV/marine antifreeze** rated for potable systems. Automotive antifreeze is toxic and must never be used.



2.3 Safety Precautions

- Turn **off** all water pumps and appliances.
- Allow the **Truma water heater** to **cool completely** before draining.
- Do **not exceed 30 psi** when using compressed air.
- Keep antifreeze away from pets and children.
- Always wear **eye protection** when blowing out lines.

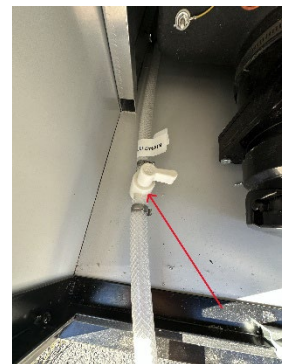
Tip: Take photos of valve positions before changing them for easy spring setup.

3.0 Freshwater and Grey Tank Drainage

3.1 Drain Freshwater Tank

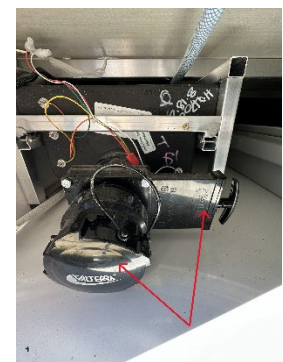
1. Ensure the camper is **removed from the truck** and **slightly tilted rearward**.
2. Locate the **freshwater tank low-point drain hose** in the **rear basement compartment**.
3. Open the **fresh tank drain valve** and allow all water to flow out.
4. Leave the drain open until dripping stops completely.

NOTE: Tilting the camper rearward improves drainage by allowing the full tank to empty through the low-point outlet.



3.2 Drain Grey Water Tank

1. Open the **grey water valve** located near the drain outlet.
2. Allow all wastewater to empty completely into approved location.
3. Once drained, **close the valve** and reinstall the **drain cap**.
4. Add a small amount of antifreeze to tank via the shower drain (approximately a quart).



CAUTION: Always close the valve after draining to prevent debris or pests from entering the plumbing.

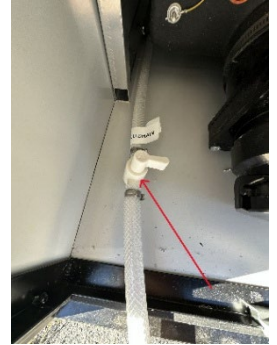


4.0 Plumbing Line Drainage

4.1 Open Faucets and Low Points

1. Open **all faucets** (kitchen, bath, and shower).
2. Open both **hot and cold low-point drains** under the camper.
3. Allow the entire system to gravity-drain until water flow stops.

Tip: Leave faucets open during drainage to prevent vacuum lock and speed up flow.

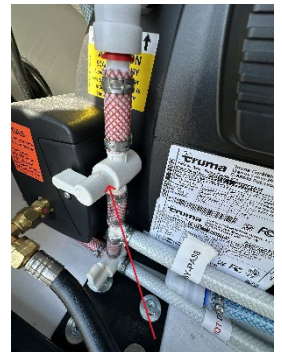


5.0 Truma Water Heater Drain and Bypass

The Truma Combi must be **completely drained and bypassed** to prevent freeze damage.

5.1 Procedure

1. Locate the **two Truma bypass valves** near the water heater and turn both to the **bypass position**.
2. Disconnect the **HOT outlet fitting** from the side of the Truma.
3. Open the **cold low-point drain** to release residual water.
4. Using a **regulated air source (max. 25 psi)**, blow air into the **HOT port** until no water exits.
5. Reconnect the **HOT fitting** and tighten securely.
6. Close the **cold low-point drain valve**.



CAUTION: Do NOT use antifreeze in Truma. Do NOT exceed 25 psi — higher pressures can damage internal Truma components.



6.0 Optional – System Blow-Out

This optional step clears residual water prior to introducing antifreeze.

1. Attach an **air blow-out plug** to the **city water connection**.
2. Connect an air compressor set to **no more than 30 psi**.
3. Open each faucet (one at a time) until only air exits.
4. Briefly open the **toilet valve** to purge the flush line.
5. Disconnect the air source and remove the plug.



7.0 Antifreeze Circulation

7.1 Set Up Winterization Line

1. Close all **faucets** and **low-point drains**.
2. Turn the **bypass valve** to open the **winterization/antifreeze suction line** (located near the water pump).
3. Insert the suction hose directly into a container of **RV antifreeze**.



NOTE: Make sure Truma is bypassed.

7.2 Pump Antifreeze Through System

1. Turn on the **water pump** to draw antifreeze into the system.
2. Open each fixture one at a time until pink antifreeze appears, then close:
 - Kitchen faucet (hot and cold)
 - Bathroom faucet (hot and cold)
 - Shower head (handheld)
 - Exterior shower (hot and cold)
3. Flush the **toilet** multiple times until antifreeze is visible in the bowl and line.
4. Open low points until antifreeze appears through line, then close.
5. Turn off the pump.
6. Return the **bypass valve** to its **normal (closed)** position.

NOTE: Depending on configuration, 2–3 gallons of antifreeze may be required.

8.0 Drain Trap Protection

1. Pour approximately **2 cups of RV antifreeze** into each drain trap:
 - Kitchen sink



- Bathroom sink
 - Shower drain
2. This ensures no water remains in the traps and also provides antifreeze protection in the **grey tank**.

9.0 Cassette Toilet Service and Winterization

Proper winterization of the cassette toilet ensures odor control and prevents freeze damage.

9.1 Removal Procedure

1. Locate the **exterior service hatch** on the passenger side of the camper.
2. Open the access door.
3. Press the **green release tab** while pulling the **black handle** outward to disengage the cassette.
4. Slide the cassette straight out.



9.2 Emptying and Cleaning

1. Carry the cassette to an approved **dump station**.
2. Rotate the **spout** outward and remove the **cap**.
3. Depress the **air vent button** while pouring to allow smooth flow.
4. Rinse thoroughly and add a small amount of antifreeze.

9.3 Reinstallation

1. Ensure the spout and cap are secure.
2. Slide the cassette into the track and push until it **clicks into place**.
3. Close and latch the exterior door.



9.4 Winterization Notes

- Ensure the **flush water line** is winterized via antifreeze circulation.
- For long-term storage, leave the cassette valve **slightly open** (¼ inch) to relieve seal pressure.



10.0 Final Checklist

Task	Status
Freshwater tank fully drained	☐
Grey tank drained and capped	☐
Faucets and low points closed	☐
Truma bypassed and drained	☐
Antifreeze visible at all fixtures	☐
All drain traps filled with antifreeze	☐
Cassette toilet emptied and reinstalled	☐

11.0 Storage Recommendations

- Store the camper in a **dry, sheltered area** when possible.
- Leave cabinet doors open to allow air circulation.
- Disconnect and remove the **battery** in freezing locations. Store in a dry location above freezing temperatures and connect to a **battery tender**.
- Inspect seals and fittings in spring prior to refilling the water system.

12.0 Technical Support

For assistance, contact:

Soaring Eagle Campers – Customer Support

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