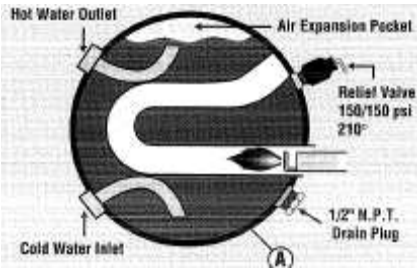


Preventative Maintenance Requirements—Preservation of Warranty and Water Heater Life Extension



General—Burner Maintenance

- Periodically clear all obstructions in Burner Orifice and pilot Assembly (dirt, spider webs, etc.)
- Periodically clean Burner Tube with small brush
- Check air adjustment of Burner by positioning the air shutter 1/4 open (blue flame with small trace of yellow).
- Check Alignment of Burner tube and Orifice—Must be straight
- PILOT MODEL—Check orifice for contamination. Clean if flame is low, replace assembly if cleaning fails.
- ELECTRONIC MODEL—Check electrode for cracks and gap (Spark probe and Ground gap should be 1/8")

Tank Maintenance

Failure to follow these instructions May result in Denial of Your Warranty Coverage!

Caution! Always turn off the main water supply (pump or water supply hook-up), allow the water to cool, then drain the tank by removing drain plug.

Frequency: Full-Time RV'er, Every (60) days (Southwest US, every (30) days). Part-Time RV'er, Minimum of 2X annually (Southwest, every (90) days).

Reason: The Life of the tank and performance of the water heater are directly affected by **water quality!** High mineral content will cause corrosion and sediment deposits that shorten the life of the tank, element, relief valve, and Mixing Valve (XT Models). (Lack of proper maintenance of the tank will cause Mixing Valves on XT Models to malfunction, requiring costly service procedures to clean and/or replace at the owner's expense.)

Flushing the Tank

1. Turn off the main water supply (pump or water hook-up source).
2. Drain the water heater by removing the drain plug. If the water flows sporadically or trickles instead of a steady stream, we recommend the following action: First, open the Pressure/Temperature relief Valve to allow air into the tank and Second, using a small gauge wire or coat hanger, poke through the drain coupling to dislodge any obstructions.
3. With the tank drained, approximately two quarts of water remain in the bottom (note drain plug position in illustration above). This water contains most of the harmful corrosive particles. To remove these materials, Dometic recommends use of a commercially available "RV Water Heater Flushing Tool". Simply running water through the inlet does not stir up and flush out all sediment. The wand of a flushing tool allows you to move around at different angles inside the tank with a higher pressure water jet, suspending and flushing the materials back out of the drain coupling. Continue flushing until the water being flushed from the drain coupling runs clear.
4. Replace the drain Plug.

Winterizing

Prior to storing your RV, Follow Steps 1-4 of "Flushing the Tank" above. Note: The approximately (2) quarts of water that remains in the bottom of the tank **will not** cause freeze damage to the tank. Caution!: An **un-drained tank**, (water level above the drain plug level), **will** crack the tank in freezing conditions.

Unpleasant Odors

A "rotten egg odor" (hydrogen sulfide) may be produced when the electro galvanic action of the cladding material releases hydrogen from the water. If sulfur is present in the water supply the two will combine and produce an unpleasant smell. To remedy the problem, **first complete** the (4) steps in "Flushing the Tank" above. When the tank is flushed, perform the following:

1. Remove the Pressure/Temperature relief Valve. Mix a solution of (4) parts white vinegar to (2) parts water. (For a 6 gallon tank, use (4) gallons of vinegar to (2) gallons of water.) With a funnel, carefully pour the solution into the tank through the P&T coupling. Re-install the P&T Relief Valve.
2. Turn on the water heater and allow the water to heat up through a full cycle (this may take up to 45 minutes.) It is recommended you allow the water heater to operate through 3 or 4 additional heat maintenance cycles.
3. Turn off and allow to cool. When cool, remove the drain plug and drain. Then repeat Steps 3 and 4 of "Flushing the Tank" above.
4. Refill the tank with fresh water that contains no sulfur.

Dripping Pressure Temperature Relief Valve

A Pressure Temperature Relief Valve, dripping while the water heater is in use, **DOES NOT** mean it is defective. During normal use, water expands as it is heated in the closed water system. The Dometic water heater is designed with an internal air gap at the top of the tank to absorb the expansion and reduce the dripping. In time, this air gap will be absorbed and need to be restored. To restore the Air Gap:

1. Turn off the main water supply (pump or water hook-up source) and allow water to cool.
2. Open the nearest hot water faucet to the water heater.
3. Pull the handle on the Pressure Temperature Relief Valve straight out and allow water to flow until it stops flowing.
4. Trip the handle on the relief valve allowing it to snap shut, shut off the hot water faucet, turn on the water supply, and turn the water heater on. Test.

XT Models—Special Requirements

If you experience low flow from the hot water faucet or notice the water is not as hot coming from the water heater, you may have to have the Mixing Valve serviced by a Certified Service Technician. Low flow or cold flow from the XT water heater is a result of corrosion on the seats and/or debris blocking the inlet screen (if equipped) of the mixing valve. When the technician removes the mixing valve, cleans the screen (if equipped) and soaks the valve in a hot white vinegar bath, he will also complete the "Flushing the Tank" procedure as corrosion and sediment from improper "Tank Maintenance" is the cause of this condition.



Altering Dometic Water Heaters

If the water heater has been altered the Warranty will be Void

Use of Aftermarket Heating Element Devices (Hot Rods) can lead to an out-of-control heating of water in the tank and catastrophic wet side explosion. These devices lack critical safety controls. Personal injury and product damage may result. Replacing the Dometic drain plug with an Anode Rod will damage the coupling with cathodic action and product damage will result. Dometic water heater tanks are constructed of a high strength aluminum. The interior of the tank consists of a .0015 thick, type 7072 clad aluminum (pure aluminum and zinc) fused to the core in the rolling process. This material protects the tank from the affects of heavy metals and salts found throughout North America. It is anodic to these heavy metals and acts much like an anode in a steel glass-lined tank, except it lasts much longer.

Use of Aftermarket Heating Elements or Anode Devices are not compatible with Dometic Water Heaters and will void the warranty!



DOMETIC CORPORATION
1120 North Main Street, Elkhart, IN 46514
Please Visit: WWW.DOMETIC.COM

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