

Premier Inspection Points for Towable RVs

At Great Adventure RV Repair & Inspections we appreciate your business and look forward to providing you with the most advanced RV inspection available in today's RV market. So that we may provide you with a thorough inspection, your RV will need to be hooked up to all the utilities: fresh water, electricity, and sewer during the inspection.

Due to the nature of RV absorption refrigerators and the time it takes to cool, the refrigerator must have been in operation for at least 12 hours before an accurate temperature reading can be taken in the freezer and the refrigerator compartments.

This report will consist of 100 to 200 photos and videos describing the items identified during the detailed **Premier Towable RV Inspection**.

The **Premier Towable RV Inspection can** include a fluid analysis of all oil and coolant fluids, including the tow vehicle. Fluid analysis samples of engine oil, transmission oil, engine coolant, generator oil, and hydraulic oil can be pre-purchased and performed during the inspection.

Roof

- Inspect and rate the overall Roof Condition.
- Identify the Roof material type and the sealants applied to the roof.
- Evaluate the condition of the various sealant and joints around the roofing components.
- Rate the condition of the roof vents, air conditioners, antenna, and other components mounted on the roof.
- Identify areas of concern and potential water intrusion points.

Sidewall and End Caps

- Inspect and identify the material type of the front and rear caps.
- Evaluate the aging and general overall condition of the front and rear caps.
- Inspect and evaluate the appearance and functional condition of the sidewalls, entrance doors, windows, and cargo access doors.
- Inspect and evaluate any damage, discoloration, and delamination of the side wall and end cap components.

Slideout Rooms

- Identify the types of slideout room drive systems.
- Identify the type of roof material for the slideout room.
- Inspect and rate the roof condition.
- Inspect and evaluate the condition of the seals, sweeps, and gaskets for possible damage.
- Evaluate the attached wiring and utility harness that feed underneath the slideout room.

Awnings and Slideout Toppers

- Inspect and identify the operational type (manual or electric) of the awnings, slideout toppers, and window awnings.
- Operate and rate the condition of the awning frames and latching mechanisms.
- Evaluate and rate the condition of the fabric material of the awnings.

Chassis Turn Signal and Running Lights (12-volt DC)

- Inspect the condition of the 7-pin connector cord.
- Operate and evaluate the emergency breakaway switch.
- Activate and evaluate the operation of the DOT lights mounted on the RV.

120 Volt AC Electrical System (house type power)

- Inspect and rate the condition of the power cord, and its connection ends.
- Identify any damage or repair of the power cord.
- Remove the cover panel of the 120-volt circuit breaker box to visually inspect the condition of the wiring, circuit breakers, and grounding connections.
- List any heat discoloration to the wiring and connections.
- Verify the separation of all the wiring types.
- Test and verify the output operation of the 120 VAC to 12 VDC converter to charge the deep cycle batteries.

Generator - Engine - *if installed, strongly recommend performing oil analysis to determine internal combustion engine component condition.*

- Identify and note the generators model, serial number, and run hours.
- Check the oil level.
- Start, operate and test the onboard generator under load.
- Test the voltage output and frequency (60 cycles).

Inverter - if installed

- Identify and note the model and the serial number of the inverter.
- Visually inspect the wiring and electrical connections and fuses/circuit breakers.
- Place an electrical load on the inverter to verify proper operation.
- Test the voltage and frequency output of the inverter under fifty percent load.

Coach Battery System - (12-volt DC deep cycle Battery Electrical System)

- Locate and note the location of the battery stack.
- Evaluate the condition, age, and matched sizing of the battery stack.
- Evaluate and determine if positive and negative cables are matched for a balanced load.
- Access and visually inspect the wiring, fuse panel, and fuses of the 12-volt DC electrical system.
- Evaluate the operation of the fresh water and waste water monitor panel for incorrect tank readings.

Fresh Water System

- Verify the fresh water connections for the City Water hookup are operational.
- Verify the onboard fresh water tank and pressure pump system will operate and maintain pressure.
- Operationally test all fresh water fixtures inside and outside of the RV.
- Visually inspect the water filtration system (if installed) for leaks and filter placement.

Waste Water Systems – (Gray and Black Water)

- Operationally test and inspect waste (gray and black) plumbing systems for leaks under the sinks, shower, toilet, and discharge lines.
- Identify the type of drain valve controls.
- Verify the drain valves for both systems will maintain water in their tanks.
- Operate both drain valves and test for ease of operation.
- Verify the drain cap is in place and will hold waste water.

Life Safety Items

- Perform and document LP gas timed leak test at cooktop burner spud for 5 minutes at 8 inches of water column gas pressure.
- Test the Ground Fault Circuit Interrupter (GFCI) circuits in the 6-foot range of the water areas of the bathroom, kitchen, and exterior receptacles.
- Test all wall receptacles for correct polarity and ground fault.
- Test the exterior skin for Hot Skin that would cause electrical shock.
- Emergency Exit Windows Verify all safety windows are operational.
- Fire Extinguisher Verify unit is secure in the bracket, and the dial indicates the extinguisher is fully charged.
- Smoke/Fire Detector Test and verify the operation of the units.
- Carbon Monoxide Detector (if applicable) Test and verify the operation of the unit.
- LP Gas Detector Verify gas detection and audio alarm. Document the expiration date of the detector.
- Verify the rubber grommet is sealed correctly around the LP gas line of the water heater.

LP Gas System

- Visually inspect all hoses and pressure regulators for damage and age deterioration.
- Verify plastic cover has been installed over the regulator.
- On the Split tank system, verify the red-colored single-stage regulator is installed.

DOT Cylinders - if equipped

- Document the manufacture dates of DOT cylinders.
- List the location(s) of the DOT cylinders.
- List the tank sizes that have been installed.
- Conduct a visual inspection of the exterior of the cylinder for rust and other damage.

ASME tank - if equipped

- Inspect the tank for rust or physical damage if the tank is visible.
- List the location of the tank.
- Document the manufacture date of the ASME tank if accessible.
- List the gallon capacity of the tank.

Refrigerator

- Identify the brand, model, and type of refrigerator.
- Note the location of the vent panels used by the refrigerator.
- Operate on all heat sources 120-volt AC, LP gas, and 3-way refrigerators for 12-volt DC operation.
- Collect the serial and model number and verify with the manufacturer if a recall notice has been issued and completed for this unit.
- Visually verify if the baffle system on the back of the refrigerator area is correct and directing heat away from gas coils.
- Test for the interior temperature of upper and lower refrigerator compartments and ice maker (if installed) if the refrigerator has been <u>operating for a minimum of 12 hours.</u>
- Check the condition of the door frame, shelving, crisper drawers, door shelves, and interior light.
- Evaluate and rate the freezer and refrigerator door gasket seals.

Water Heater

- Identify the brand, model, and type of water heater.
- Visually inspect burner assembly and gas exhaust system for blockages and insect infestation.
- With water in the tank, verify operation on all heat sources LP gas and 120-volt AC if equipped with a heating element.
- If installed and visible, verify the positioning of bypass valves on the back of the water heater.
- Determine if a proper drain plug is installed in the water heater tank.
- If installed, inspect and evaluate if the correct type of dauber screen is used.

Furnace

- If accessible, identify the brand, model, and type of furnace(s) that have been installed.
- Identify the type of thermostat controls used to operate the furnace(s).
- Visually inspect air intake and exhaust assemblies for blockages and insect infestation.
- Operate and verify warm air discharge out of vents and proper return airflow to the unit.

- Monitor for unusual noise or vibration of the blower motor.
- If installed, inspect and evaluate if the correct type of dauber screen is used.

Cook Top / Stove

- Evaluate and rate the condition of the cooktop or stove.
- List the presence and condition of the stove top covers.
- Verify the ignition and operation of all top burners and the oven flame (if equipped).