



## Camp Trailer Pre-Trip Inspection

- Check your articulating hitch for free rotation in all directions. Ensure the lock fully engages when the button is pressed. Grease all zerck fittings.
- Check that the 7-pin connection is tight. Apply dielectric grease to male and female vehicles to trailer connections if needed to prevent water intrusion and corrosion. Then test all vehicle-supplied lighting, and charging/power supply if applicable.
- Check brakes & breakaway switch:
  - Check brake gain adjustment if the vehicle has an OEM brake controller. If the vehicle is equipped with an aftermarket controller with a sensitivity setting, check the sensitivity according to the manufacturer's instructions. The brakes should firmly activate but not cause the tires to skid on loose terrain.
  - Test the breakaway by pulling firmly on the cable of the breakaway switch. The battery will activate the brakes.
- Check tire pressure is at 32 psi for highway use. If applicable, test the on-board air compressor if you plan to air down the tires for off-road use. If tire pressure was abnormally low after storage, check that the valve stem is not leaking and inspect the tire for damage. Inspect tires for dry cracking and abnormal wear.
- Check that lug nuts are tight, torque to 90 ft-lbs.
- Check for wheel bearing wear by jacking up one side and grabbing the tire by its edges and shaking the tire back and forth, listening and feeling for movement. If the movement can be seen or heard, check the axle nut for tightness according to the manufactures spec. If movement persists, replace wheel bearings.
- Check safety chains are securely fastened, crossed, and do not drag on ground.
- Ensure articulating hitch is locked.





## Camp Trailer Post-Trip Inspection

- Grease all four of the suspension rod ends.
- If temperatures are expected to fall below freezing during storage, follow the winterization checklist, taking extra care to prepare the water systems for freezing temperatures.
- Close Propane tank valves
- When unhooking, lower the square shaft of the tongue jack as low as possible before cranking up the jack. Set parking brake and leave chains attached when decoupling the trailer from the tow vehicle.
- Check underneath for any damage that may affect wiring, brakes, or water systems. This is especially important after off-road use.
- Follow these tips for long-term battery storage to ensure that the battery emerges from storage in a good condition:
  - Renogy Lithium:
    - Charge the battery to 30%-50% and disconnect it from the system.
    - Store the battery in an open, well-ventilated, dry, clean area. The temperature range for lithium battery storage is -13°F to 149°F (-25°C to 65°C).
    - Charge the battery at least once every 3 to 6 months to prevent over discharge.
    - Fully charge the battery when it is taken out of storage.
  - Renogy Gel:
    - Store in a dry cool area. The temperatures should remain above freezing.
    - Charge the battery to 100% before storing it. After three months, recharge the battery.