

Higher Priority

- ◆ **Check Balmar, solar, and inverter parameters and reprogram if necessary** - settings and programming guidance can be found on the [SUIET Hacks website](#), and Ks2 settings in this [post](#)
- ◆ **Coolant leak** - check the rear of the underhood generator (GU) for rubbing, damage, leaks, and loose clamps on the hose. The hose is available at [NationsStarterAlternator.com](#)
- ◆ **Check underhood generator (GU) wires and bolts** - examine the wiring harness as it exits the underhood generator (GU). Inspect the GU shield and spacers for cracks. Tighten all bolts. Check for cracked and rubbing wires near the black plastic shield and from the GU to the Balmar. Check if the GU shield is pinching the blue wire coming out of the plug at GU. You may need to adjust the shield with spacers and/or modify its shape.
- ◆ **Check windshield/cowl areas for leaks** - water can enter the engine compartment through several entry points that need to be sealed. [Some more information here](#) and [here](#)
- ◆ **Check how your van is wired (charge or discharge side)** - there are pros and cons to either, but you need to know how the van is wired for battery management. [You can find more information here](#)
- ◆ **Battery Revision** – for Ecotrek management, find out your battery rev (H,HR, L1,L2, L1R, L2R)

Medium Priority

- ◆ **Move Balmar** - the Balmar can be moved to a safer location. You can find an example [here](#)
- ◆ **Tighten plumbing connections** - check for loose connections throughout
- ◆ **Check overflow hose** - trace the hose to ensure it drains outside. There are a number of options in the [Carado and Sunlight Owners Facebook group](#)
- ◆ **Remove white wire from underhood generator (if present)** - this wire is only needed on diesel engine vehicles and could cause the Balmar to short out. You can find more information [here](#)
- ◆ **Check Serpentine Belt spare and installation tool** - order from [NationsStarterAlternator.com](#) (573) 334-2632. Product # A2-0070-3 and 475KG, is also available at [Amazon](#)

Lower Priority

- ◆ **Check interior screws and bolts** - tighten screws throughout the van
- ◆ **Disengage solar** - a cut-off switch could be added. Find some solutions [here](#), and get the switch [here](#)
- ◆ **E-Guard** - the E-guard is available from [Edge Van Works](#). The cost including installation is about \$700
- ◆ **Solar panel hail protection** - you can find more information [here](#)
- ◆ **Install black tank sensor disconnect switch** - you may need to disconnect the yellow wire behind the toilet if your sensor is sending false full signals. More information [here](#)
- ◆ **Grille bug screen** - the large spaces in the grille easily allow objects to hit the radiator and may cause punctures. Other objects, like leaves and butterflies may plug the radiator may cause overheating
- ◆ **Sumo springs** - will reduce body roll and swaying. You can search for the springs for your year and chassis model [here](#). A [rear anti sway bar](#) can also be added for added stability