

Cirrus 820 Camper and 2017 Ram 2500 Laramie 4x4 Cummins Extended Cab Truck

Modifications

1. Lithium Battery build 600Ah
2. Solar Panels 600 watts roof mounted
3. Victron Energy smart solar MPPT 100v/30amp
4. Under-sink dual level wire pull out rack
5. Stainless Steel Bug Screens on all vents, fridge and heater
6. Sink drain modification, relocate the drain and line for more storage
7. Installed 12v probe ignition to gas top stove, "electronic ignition"
8. Remove 120v 30" stove top microwave – replace with 120v 20" Microwave convection oven and a 12v range vent with LED light.
9. Install a variable fan speed controller to the 12v range hood
10. Built a 12v 2-fan mount to install on old range hood vent opening to use for Cabin air circulation and removal. Use for heat and moisture control.
11. Installed a switch panel to control, exhaust fan and rangehood LED light strip, 2 additional 12v wire and switched, for accessories like a modem
12. Installed a new 20" long 12v LED light strip to range hood
13. Removed and replaced the entry and dinette LED lights, Tripled the LED light output. Now have multi level light control, same style and make, the entry was a 1-square light, it is now a 4 square 3 level light with optional blue night light. The Dinette was a 2 square and now has the same 4 square light as the entry
14. Wardrobe closet Shelf installation
15. Wardrobe door light installation
16. Cut the shower curtain length to correct length and sewed in weights at bottom of shower curtain.
17. Installed a variable speed fan controller to the shower fan.
18. Install shelf in storage cabinet above dinette area, "removable"
19. Converted exterior access battery box to a weatherproof exterior storage bay. Added aluminum angle to brace to inside of storage

door, enclosed door vents with aluminum diamond plate and added a door seal. Batteries moved under bench inside cabin area.

20. Add an OEM Ram backup camera to camper-installed on Generator Box. Can use mount for other vehicle OEM back cameras
21. Built an aluminum generator box with pull out generator tray and extra fuel storage for extended run of the generator.
22. Added a 10 lb pound propane tank to exterior with exterior mount and with a 1lb propane refill station.
23. Installed a Transfer switch, using Generator as primary and inverter as secondary if loss of shore power occurs
24. Installed a 30amp Surge Protector HW30C Progressive Industries. Hard wired inside, no one can steal one off the post now.
25. Removed Coleman Mach 8 interior air diffuser, replaced with Coleman/RVP airxcell Bluetooth auto controller. The a/c unit will now turn on and off including the fan like a home a/c. Control it from your phone.
26. Installed a 2000watt Xantrex XC inverter/charger (80amp lithium charger) and wired into the 120v distribution box of camper for full use in any outlet or appliance. Also passes shore power directly thru the Xantrex inverter.
27. Victron BMV-712 smart controller and shunt to monitor lithium battery. (LifePo4 batteries)
28. Built aluminum rear mounts for a sewer hose carrier on lower side of aluminum rear camper bumper
29. Installed two 2-port high output USB outlets and two 12v charge plugs. One on each side of dinette seats
30. Installed a DC to DC 40amp charger to accommodate the Lithium charging profile (Renogy DCC1212-40). Anderson plug connector with 2 awg cable from camper to truck for power deliver from truck alternator.