

On Saturday the Ontour 2.0 AWD was parked at our house for several days. The day before solar produced 28 Ah but on Saturday (clear sky without moving) the battery was down to 60%. Generator and shore power both charged the battery but solar did nothing.

The solar controller is receiving low panel voltage from a restriction on the circuit. The most common location for this to occur is the MC-4 connector on the Go Power cable entry plate.

To test, place a clamp meter on the panel output positive wire at the cable entry plate and measure amperage output from the panels.

The panels connect to a branch connector at the driver side solar panel and a 3' extension wire connects to the cable entry plate.

If the panels are clean and the conditions are sunny, you should see approx. 5 amps / panel for a total of 10 amps. Record the amperage seen.

Move to the inside of the coach and remove the panel on the upper D/S cabinet as seen below to access the fuse location inside.

The red wire from the cable entry plate secures to a green wire with an inline fuse holder. The green wire then connects to a blue wire which is routed to the solar controller.

Place the clamp meter around the red wire which is the input leg to the 30 amp fuse and confirm the amperage. If it has dropped here, the cable entry plate MC-4 connector is restricting the flow of amos and needs to be replaced.

If the amperage is good, move the clamp to the output leg of the fuse blue wire and confirm the amperage is consistent.

The next location on the circuit is the solar controller. The controller has a blue wire for panel positive voltage and a black for ground. If you clamp around the blue wire here which is the other end of the blue wire at the fuse output leg, has the amperage dropped? That would indicate an issue with the wire from where it starts at the fuse output to the controller.

NOTE: The fuse is behind the entertainment center plugs and GFCI plugs. Remove the four screws in this panel and fold the panel forward to access the fuse.



The solar controller is located next to the DCD panel. To access the solar controller remove the cover panel on the DCD box.



Need to remove and replace roof rooftop connection plate need to replace solar panel female MC4 connector and reseal on roof at plate. LABOR REQUESTED: 1.5 **1.0 approved. Go power will send the parts under warranty.**