



WORK INSTRUCTIONS

MODEL G RICH SOLAR MPPT SOLAR CHARGE CONTROLLER DISCONNECT

RECALL:	900007 Model G Rich Solar MPPT Solar Charge Controller Disconnect		
PRODUCT:	Model G Fifth Wheel	REVISION:	REV-A
DATE:	February 10, 2025		

APPLIES TO:

This document refers to all Model G Fifth Wheels with Rich Solar MPPT Solar Charge Controllers installed. It applies to 3250, 3500, 3950, 3970, 4000 and 4100 floor plans, between VINs 0004 - 1836. This document gives instructions to disconnect the solar controller prior to the recall work being performed if necessary.

IMPORTANT!!

If this procedure is done, your unit will only charge its batteries when plugged into shore power. The solar controller also controls the flow from the alternator of the tow vehicle.

REQUIRED TOOLS

1. Screw gun with #2 square drive bit
2. Insulated Phillips Screwdriver
3. Flashlight/Work light
4. Electrical Tape



⚠ WARNING

Use caution when working on the electrical system, especially when using metal tools. When a metal tool encounters a live, powered source it will cause the system to short circuit potentially resulting in personal injury, property damage, explosion, or fire. For safety, and to ensure the best results, only professionally trained technicians should perform the work described in this document.

WORK INSTRUCTIONS:

1. Open the front compartments of the unit. Setup a flashlight or work light inside the lower compartment.
2. Turn off the solar disconnect (Figure 1A) in the upper compartment and make sure all power is turned off to the solar charge controller by turning off the breaker (Figure 2B) in the lower compartment.

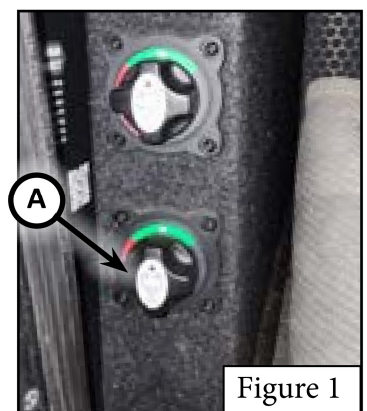
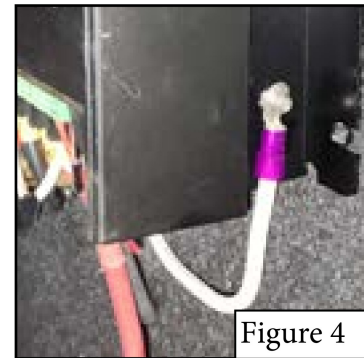
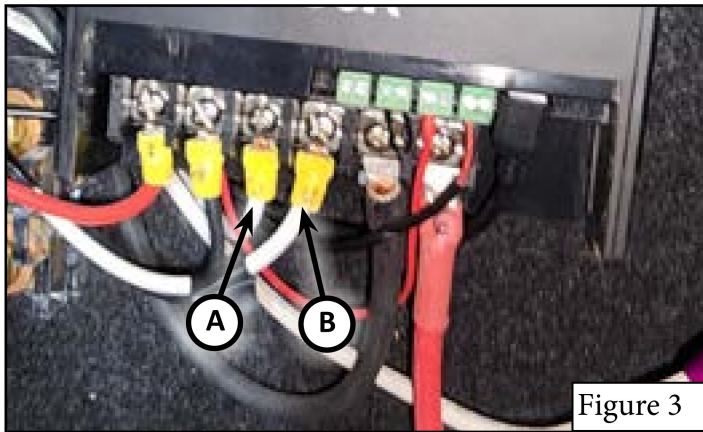
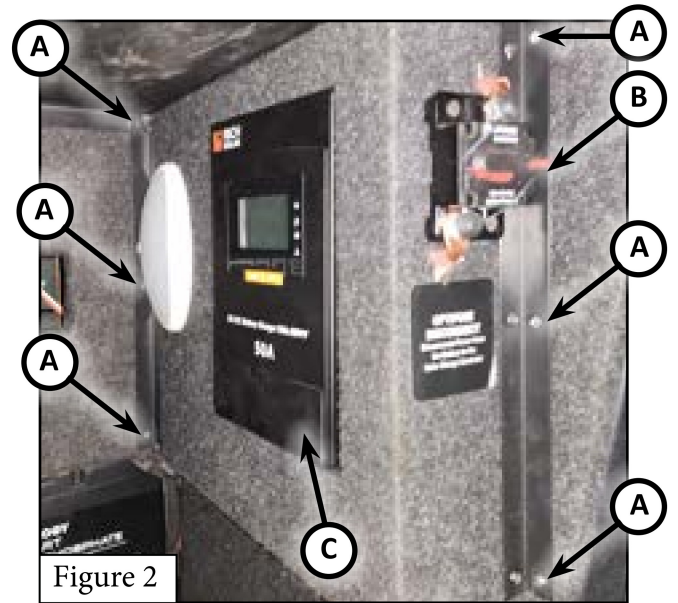


Figure 1



- Using a screw gun and a #2 square drive bit, remove the six (6) screws securing the solar charge controller enclosure to the compartment walls (Figure 2A). Save these screws as you will need them for re-installation.
- Remove the front cover from the controller with your hands. Press in on the underside of the cover (Figure 2C) and then pull up and the cover should release from the controller. Set the cover aside.
- Note the orientation of all wiring to the controller (Figures 3, 4). Label each wire as they are removed, especially the two similar sized white wires [Solar negative and Alternator negative] (Figure 3A, B). Use the wire location codes on the controller: PV+, ALT+, PV-, ALT-, BAT-, BAT+. The white wire that wraps around to the side of the controller is a ground wire.



- Using an insulated phillips screwdriver, remove the screws on the controller wiring and remove the wiring from the controller (Figure 5). Also pull the green tyco connectors from the controller.
- Use electrical tape and tape over the ends of all of the wire connectors to prevent them from making contact with each other or any other metal surface (Figure 6). There are seven (7) wires that need to be wrapped in tape (blue, green, orange, purple, and yellow highlights in Figure 6).

