

Technical Bulletin

MOBILE PRO TRAILER HARNESS RE-ROUTING

Number: 2024-004

Date: September 2024

Category: Critical Fix

Summary

The Mobile Pro Trailer requires a critical re-routing of light and solar charger harness to avoid heat damage to the wires.

In its current configuration, the wires are too close to the generator exhaust. While no short circuits or melted wire insulation has been reported, the protective loom has shown signs of heat damage.

Follow the instructions below to move the wires to a lower temperature area.

Overview




Aeroseal will supply a Repair Kit with the following items:


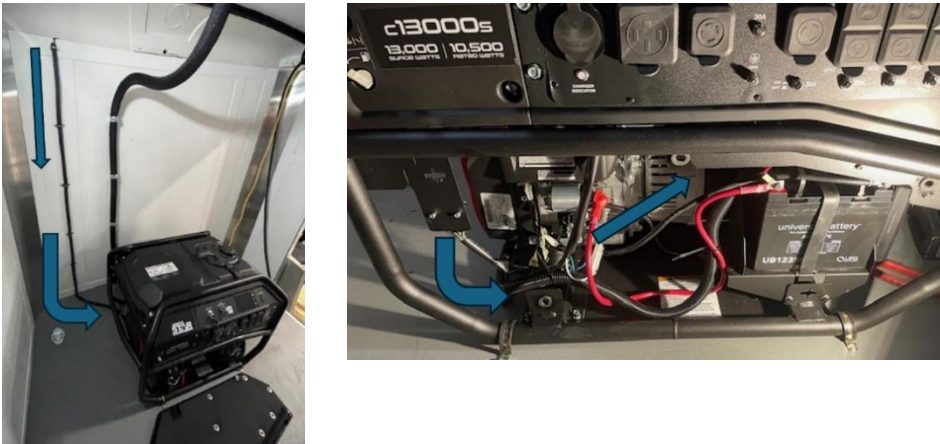
1. Red and black wires with ring terminals (for battery post connection) and butt splice connectors (to splice into existing harness)
2. Split corrugated loom (wire shielding)
3. Clamps and screws (secure harness to the trailer wall)
4. Wire stripper / crimper
5. Spare 22-16 AWG butt splice connector



Use the kit to Re-route the wire harness (to the driver side) from the trailer lights and solar charge panels through a lower temperature area to the generator battery.

Do the following steps to re-route the wires.

STEP	ACTION
1	Remove the front panel from the generator.
2	Disconnect the existing trailer harness from the generator battery and take 2 ring terminals off. 
3	Remove the wall mounting clamps and loom from the trailer harness.
4	Cut the red and black wires behind the generator. 
5	Strip all 4 wires (2 Red, 2 Black) 5/16". Use the 18AWG strip slot on the tool. 

STEP	ACTION
6	Crimp the replacement harness to the existing – match wire colors. Use the 22-18AWG crimp slot on the tool. Pull on the wires to ensure the crimp is secure. 
7	Run wires through the new corrugated loom.
8	Roughly route the harness down the Driver side of the trailer (left of the exhaust), across the floor and into the generator frame near the rest of the generator's wiring.
9	Connect the harness ring terminals to the battery posts.
10	Working from the battery back up the wall, secure the harness. Use zip ties to the battery cables and the provided clamps (as well as the hardware that was removed in Step #3) to secure the loom to the floor and wall. 
11	Any extra wire can be gathered and secured above the front wall with zip ties and adhesive mounts. 