

### DESCRIPTION

Aperia has improved the power harness kitted with the Halo Connect product. The power harness, which connects the Halo Connect gateway to the truck, features improved resistance to abrasion, an optional alternate “Direct Connect” design, and a more user-friendly installation.

Customers can specify a “Mini Fuse Tap” power harness that has been updated to be more robust than the current offering which connects to the vehicle’s fuse panel to power the Halo Connect Gateway (see fig. 1). This version of the power harness is best suited for vehicles with day cabs with convenient access to the fuse panel.

Customers with sleeper cab vehicles (or day cabs with easy to access batteries or inverter/fuse panel battery posts) now have the option to further simplify installation by using the newly released “Direct Connection” power harness which connects directly to the vehicle’s battery. This harness features ring terminals on both the positive and negative wires to allow for a direct connection to battery studs, or battery input studs on a fuse panel or inverter (see fig. 2). The 3/8” ring terminals are compatible with a standard truck battery. Two 5/16” washers are also included to use to adapt the 3/8” ring to the smaller stud. To use the washers, put the ring terminal on the stud, then the washer, followed by the previously installed fasteners.

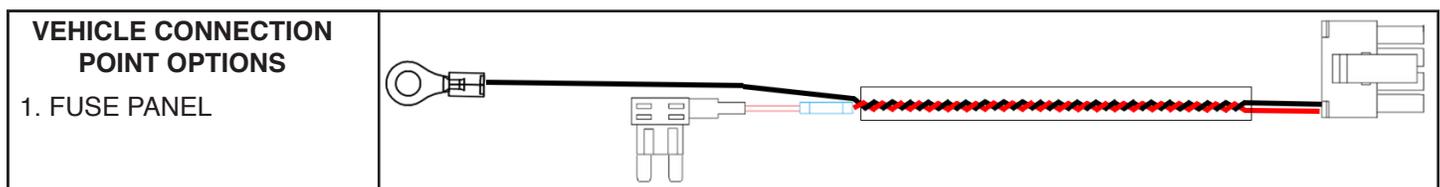


Figure 1. Mini Fuse Tap Power Harness Diagram

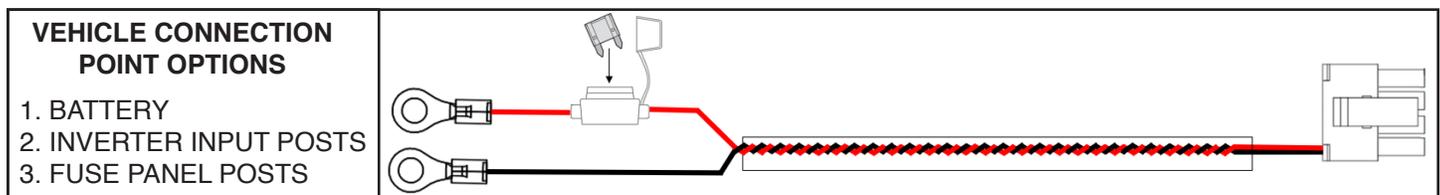


Figure 2. Direct Connection Power Harness Diagram

### IMPACT

The newly released power harnesses will simplify installation, as well as eliminate installation variability that can lead to interruptions in power for those end-clients modifying the harness.

### RECOMMENDED ACTIONS

If you have experienced interruptions in power with your Halo Connect product, please follow these recommended actions:

1. Inspect the currently installed wire harness for damage.
  - a. Inspect entire length of insulation for damage. Contact Aperia for a complimentary replacement if the conductor is exposed.
  - b. Inspect crimps to ensure good connection.
2. Ensure the currently installed harness is installed following the Important Installation Guidelines below.

If these actions are followed, and power is not reestablished, please contact Aperia for a complimentary replacement.

### IMPORTANT INSTALLATION GUIDELINES

- Use a multimeter to test the power source and ground with the ignition on and off to ensure that the voltage of the chosen fuse slot is 12V or 24V and continuous.
- When routing the harness avoid sharp edges that may cut or abraid the wire harness.
- Avoid routing the harness in a way that will cause tension on the wires or connectors. Providing strain relief on the connectors will improve robustness to damage and prevent Gateway power issues.
- Aperia recommends using the provided harness without modification.
- Attach the ground terminal to a clean surface free of paint or corrosion. A poor ground connection may result in intermittent function of the Gateway.