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IMPORTANT OWNER-OPERATOR INSTALLATION INSTRUCTIONS**

## **Part W7703**

# **Warning!**

To prevent dangerous electrical shock, the vehicle's main battery **MUST** be disconnected before installation.

## Parts Inventory

Item Image	Item Description	Quantity
	<a href="#">Long Wire Harness</a>	1
	Short Wire Harness	1
	16-14 Ga. Cool Seal Butt Connector	1
	12V 25A Fuse	2
	Relay	1
	Zip Ties	15

## Installation

### Step 1.

Disconnect the positive terminal from the vehicle's battery. Some vehicles are equipped with two batteries. Both will need to be disconnected.

### Step 2.

Install the **12v 25A Fuse** and **Relay** into the holders on the **Long Wire Harness**.

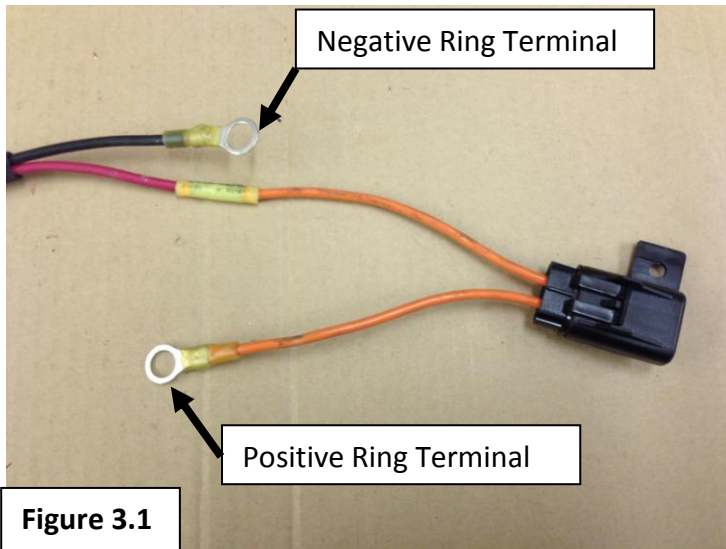
### Step 3.

Install the **12V 25A Fuse** into the fuse holder on the **Short Wire Harness**

If already installed, remove the hidden power battery box to gain access to the battery.

The **Short Wire Harness** has two ring terminals on one end. Attach the ring terminal on the black wire to the negative terminal on the battery, and the other ring terminal to the positive terminal on the hidden power battery.

See figure 3.1



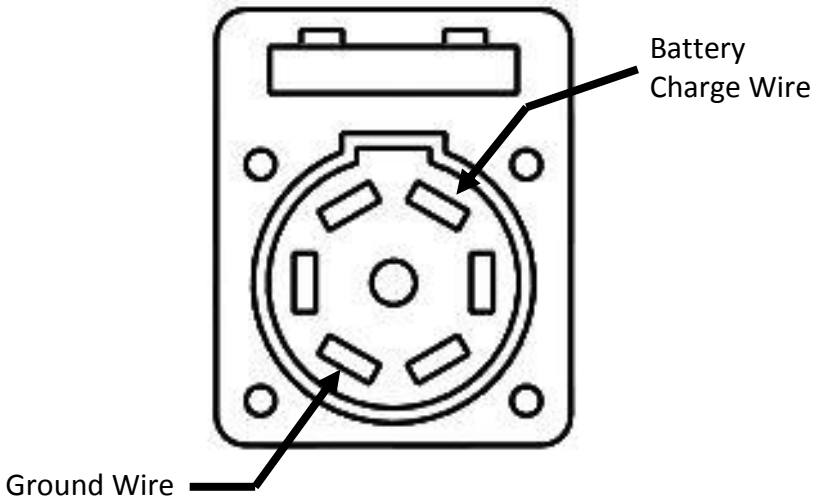
Once installed, leave the **Short Wire Harness** hanging out the side of the hidden power battery box and reinstall the hidden power onto the frame.

## Step 4.

Locate the factory hitch wiring on the front side of the bumper/hitch (under the truck).

Locate the ground wire leading to the hitch plug and cut it approximately 6" from the hitch plug. Strip both ends of the ground wire.

Locate the charge wire leading to the hitch plug and cut it approximately 6" from the hitch plug. Strip both ends of the charge wire. See figure 4.1

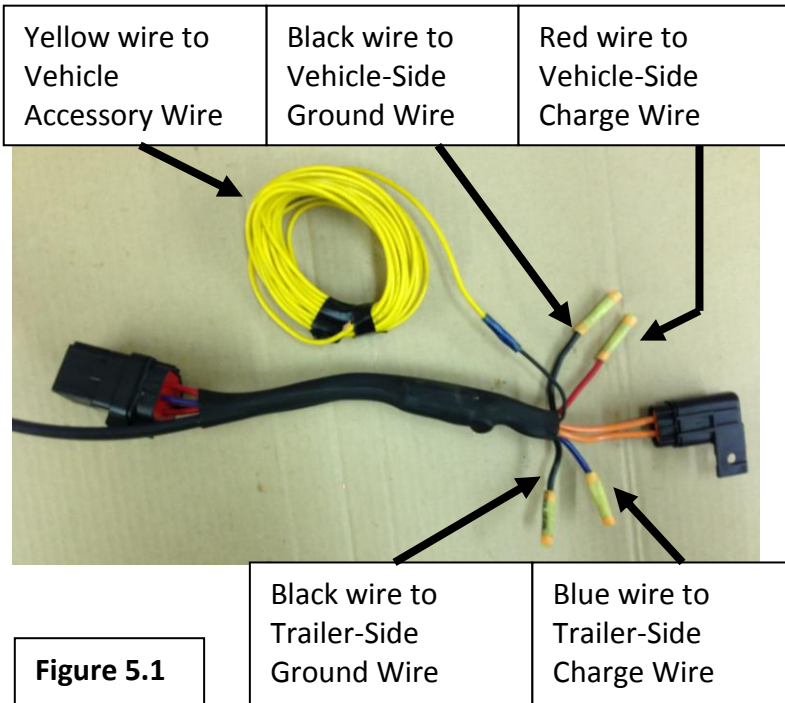


**Figure 4.1** – 7- Way Hitch Plug as viewed from behind the vehicle.

## Step 5.

The **Long Wire Harness** has several wires with sealed butt connectors pre crimped to their ends. See figure 5.1

- A. Connect one of the black wires to the hitch side of the cut ground wire.
- B. Connect the other black wire to the vehicle side of the cut ground wire.
- C. Connect the red wire to the vehicle side of the cut positive charge wire.
- D. Connect the blue wire to the trailer side of the cut positive charge wire.



## **Step 6.**

Once these connections are made, route the **Long Wire Harness** along the vehicle's frame towards the hidden power and the **Short Wire Harness**. Take care to avoid any moving parts or exhaust components which could abrade or melt the shielding on the wire harness.

**Zip Ties** have been included to aide in securing the **Long Wire Harness** to the frame. Any extra wire can be coiled up and zip tied to the frame.

Use the 50A connectors to connect the **Long Wire Harness** to the **Short Wire Harness**.

## **Step 7.**

Connect the Yellow wire from the **Long Wire Harness** to a positive accessory wire (only powered when the key is in the on position) on a circuit providing at least 10 amps. Excess wire can either be removed or coiled.

## **Operation**

With the vehicle's key in the "off" position, the vehicle's batteries are isolated from the Hidden Power and trailer / camper batteries.

This will allow the Hidden Power and trailer/camper batteries to be drained without affecting the vehicle's ability to start.

Once the key is turned to the "on" position, the hidden power and trailer / camper batteries will be reconnected to the vehicle, allowing them to be charged by the alternator.

If the Hidden Power/Camper batteries are drained, DO NOT leave the key in the "on" position without starting the vehicle's engine immediately. Failure to start the vehicle promptly could drain the vehicle battery and prevent starting.