

INSTALLATION MANUAL

Level of Difficulty

Moderate

Installation difficulty levels are based on time and effort involved and may vary depending on the installer level of expertise, condition of the vehicle and proper tools and equipment.

⚠ WARNING

Do not exceed product rating or tow vehicle lamp load rating, whichever is lower.

Be sure not to lay tools across the positive terminal (typically noted with red covers or a red '+' symbol). This can cause a ground to short leading to sparks and/or electrical shocks.

The battery connection must be fuse-protected, 15-amp max. Exceeding the product rating can cause loss of warranty, overheating and potential fire.

Product Photo



Tools Required

Ratchet	Wire crimpers	Phillips screwdriver
Extension, 6"	Drill	Wire cutters
Socket, 10mm	Drill bit, 3/32"	Wrench, 10mm
Test light	Multimeter	Fish Wire

NOTICE

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

Required Items Not Included:

- 7-Way to 6-Way power supply cable interface between the RV Towing Vehicle 7-way connector to the Towed Vehicle 6-way Dingy charge kit.
- 6-Way car end connector.
- RV towing vehicle may require a trailer charge circuit power kit.

All steps must be followed to ensure the product will function properly. Once installed, test for proper function by using a test light or connecting a properly wired trailer.

Maintenance

Periodic inspection of all wires and connections should be performed to ensure there is no visible damage or loose connections.

INSTRUCTIONS

Step 1

Open the towed vehicle's hood and locate the 12-volt vehicle battery.

Step 2

Locate the negative 12-volt battery cable and disconnect it.

⚠ CAUTION

Grounding the negative cable to a metal component may cause damage to the vehicle's electrical system.

Note: A mounting bracket is not included with the Dinghy Charge Kit and must be purchased separately.

Step 3

Locate a clean, flat area on the tow bar mount on the driver's side of the towed vehicle. Mount the 6-way connector bracket to the tow bar mount and follow the bracket manufacturer's instructions for installation.

Step 4

Cover the red 12-gauge wire with the supplied convoluted tubing.

Step 5

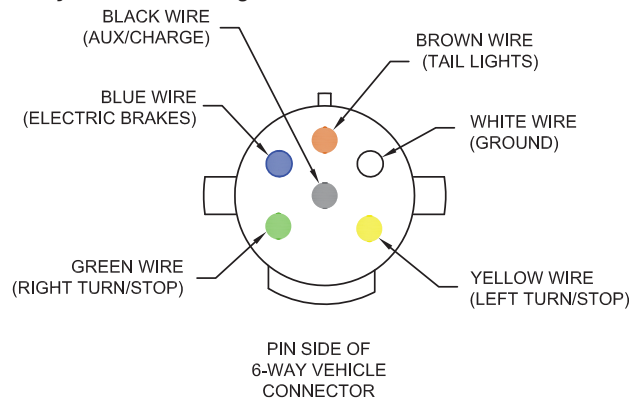
Route the red (covered) 12-gauge wire from the mounted 6-way bracket to the vehicle's battery location. Ensure the wire is routed away from moving parts, sharp edges, and heat sources that could cut, pinch, or damage the insulation. After routing, secure the wire in place with the supplied cable ties.

Note: Ensure there is enough wire to connect to the 6-way connector in step 6.

Step 6

Connect the red 12-gauge wire to the auxiliary/charge terminal on the 6-way connector. This connection is typically located at the center pin of the connector.

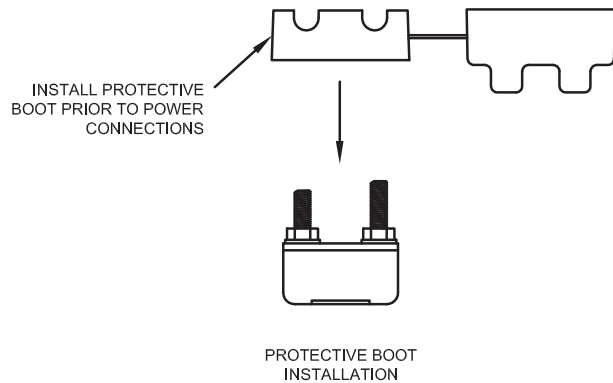
6-Way Connector Wiring Detail:



Step 7

Locate a clean, flat mounting surface approximately 8 inches from the towed vehicle's 12-volt battery. Mount the 15-amp circuit breaker using the supplied self-tapping screws. Install the red protective boot over the circuit breaker as shown in the Protective Boot Detail illustration.

Protective Boot Detail:



Step 8

Cut approximately 8 inches from the end of the routed red wire near the vehicle's battery.

Strip approximately 1/4 inch of insulation from the cut end and crimp one #10 (small) ring terminal onto the stripped wire.

Attach the red wire with the crimped ring terminal to the copper stud on the circuit breaker labeled "BATT."

Secure the connection by tightening the nut with a 10 mm socket or wrench. Refer to the Circuit Breaker Assembly Detail for reference.

Step 9

Strip the red 12-gauge wire routed from the 6-Way approximately 1/4" and crimp on one #10 (small) ring terminal at the end of the stripped wire.

Attach the red wire with the crimped ring terminal to the silver stud of the circuit breaker labeled "AUX".

Tighten down the nut for the circuit breaker using a 10mm socket or wrench. (See Circuit Breaker Assembly Detail).

Step 10

Route the 8" red 12-gauge wire from the circuit breaker to towed vehicle's positive battery terminal

Strip approximately 1/4 inch of insulation from the end of the wire and crimp one 3/8-inch (large) ring terminal onto the stripped end.

Determine the size of the fastener securing the positive battery terminal and loosen it to attach the red 12-gauge wire. Tighten the fastener securely once the connection is made.

CAUTION

Ensure the negative battery terminal has been disconnected from step 2 before connecting the red wire.

Step 11

Test the battery charge kit installation using a multimeter or test light.

Step 12

Mount the 6-Way connector into the bracket that was installed in Step 3.

Reconnect the towed vehicles negative battery terminal and secure any loose wires, or other items, that might have been removed during the installation process.

Circuit Breaker Assembly Detail

