

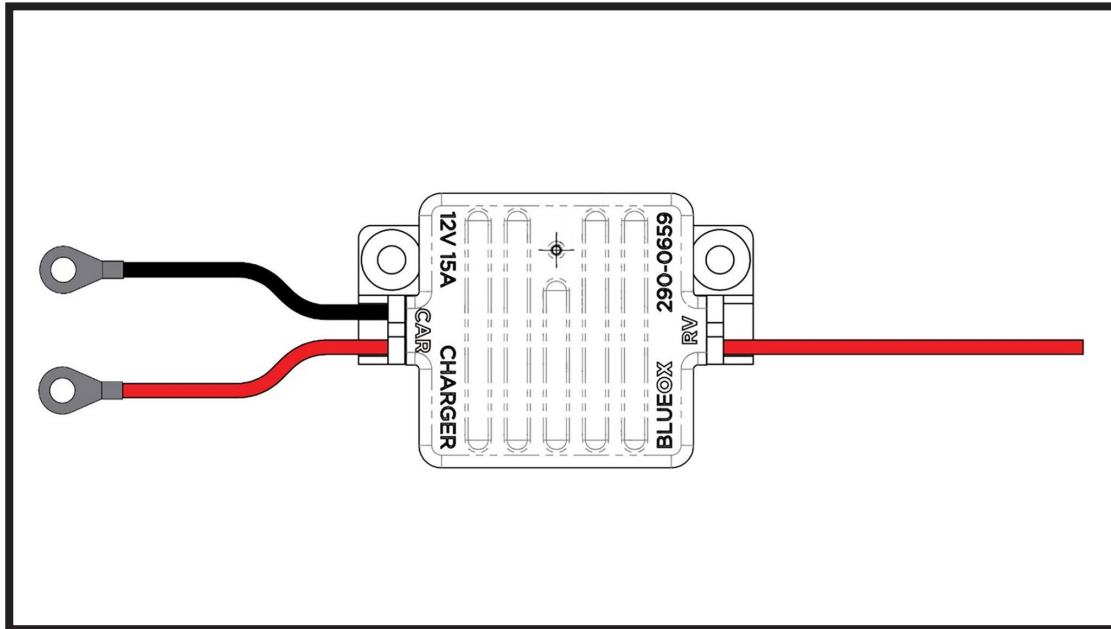


BX88453

Kit, Towed Vehicle Charge Line

Installation Instructions

Serial Number



Towed Vehicle Charge Line Kit

Requires a minimum of 13.3 Volts to enable charge from the RV to the towed vehicle battery

This kit ensures the towed vehicle battery maintains a charge while being flat towed.

Please read and understand this manual before attempting to install the battery charger. Installation should be completed by a qualified installer. Improper installation may result in malfunction causing personal injury, property damage, or death.

WARNING

Fully understand these instructions before installing. Improper installation and/or operation can create a hazard which can cause serious injury, property damage or death. Improper installation and/or operation will void the warranty.

WARNING

This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

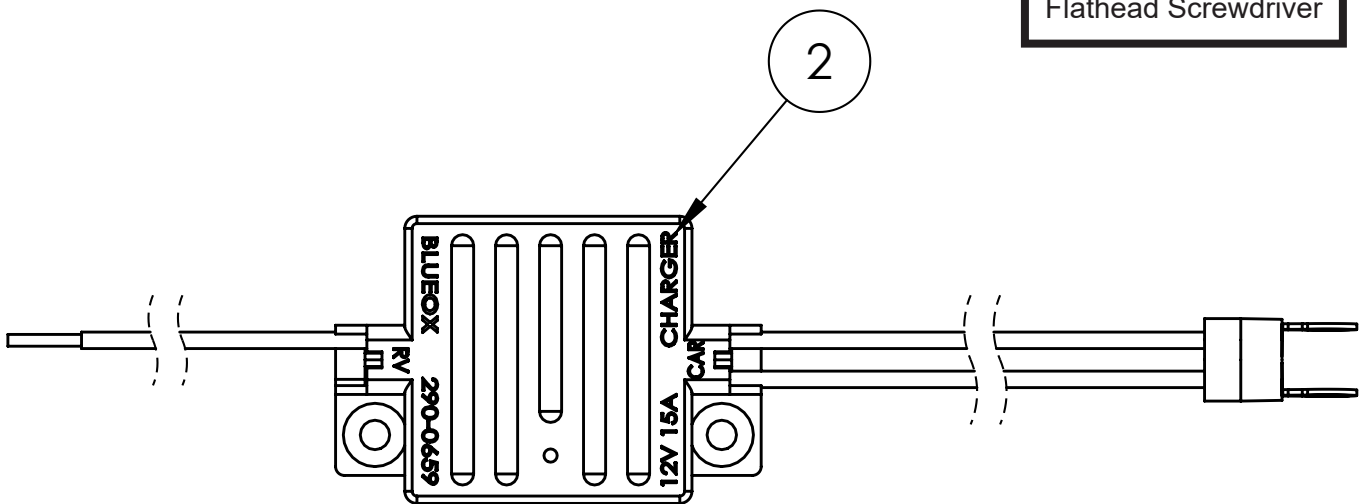
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Important

- All wires should be routed to avoid moving parts, hot parts, sharp parts, and fuel lines in the engine compartment. Wiring can be damaged by these components which can result in damage to the vehicle or the charger.
- This charger requires 13.3 Volts to enable charging from the RV to the tow vehicles battery. Charging will pause if the voltage from the RV drops below 13.3 volts.
- This charger requires a ground to exist between the towed vehicle and the towing vehicle.
- Only charges when the RV's engine is running. Isolated when not charging.
- Thermal protected
- Pulse with modulation (PWM) overcurrent and temperature regulation.
- Protects from overvoltage and reverse batteries.
- Direct Current (DC) load current continuous 15 Amps.

Tools Required

Wire Cutters
Phillips Screwdriver
Flathead Screwdriver



Item No.	Part No.	Description	Qty.
1.....	290-0653(not shown)	6" Cable Tie	6
2.....	294-1252	Towed Vehicle Charge Line Harness	1

Important:

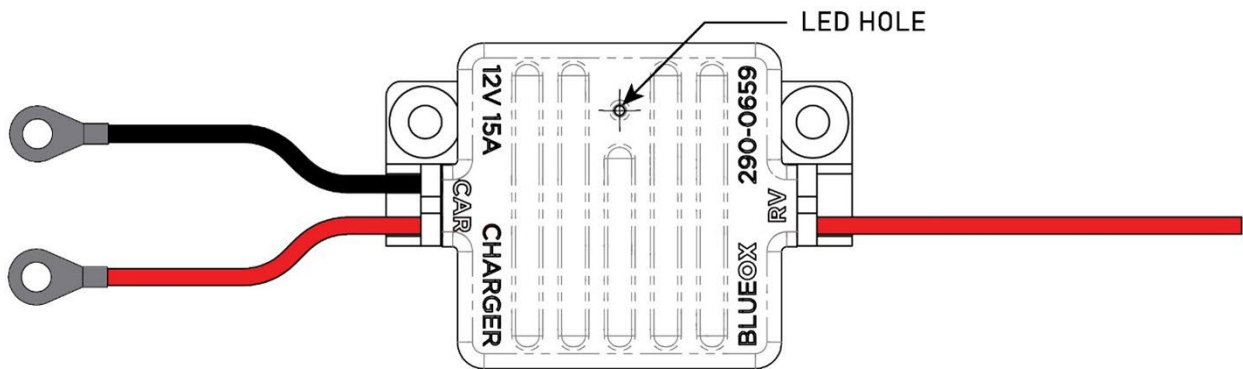
Use only genuine factory replacement parts on your baseplate. Do **NOT** substitute homemade or non-typical parts. Replacement parts may be ordered through Blue Ox®. Failing to follow and/or altering these installation instructions in either installation or required equipment will void the manufacturer's warranty. Towing behind a non-motorized vehicle will void the warranty.

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Installation Instructions:

1. Find a suitable mounting point for the battery charger close to the tow vehicles battery. It must be mounted within reach of the black and red "CAR" side cables with ring terminals. Use the provided wire ties or screws to securely mount the charger.
2. Route and secure the red "RV" side cable to the correct pin on the 6 pin connector. Avoid moving objects / hot objects / sharp objects / fuel lines. Cut the wire to the appropriate length and strip the end. Secure the wire to the 12V pin on the 6-pin connector.
3. Ensure the tow vehicle engine is turned off, and then remove the nut on the positive battery terminal. Attach the ring terminal from the RED wire onto the positive battery terminal and secure in place with the nut. Repeat with the Negative battery terminal and the BLACK wire.

Charger Lights:



NO LED: Charger is not receiving power from RV

Yellow Solid: 12V present from the RV. Towed vehicle battery is not charging.

Yellow & Green Flashing: 13.3V+ present from the RV. Towed vehicle battery is charging

Green: Towed vehicle battery charged.

Typical Pinout:

- | | |
|---------------|------------------------|
| Blue | 1) Brake Monitor Light |
| Black | 2) Charge Line |
| Green | 3) Right Turn / Stop |
| Brown | 4) Tail Lights |
| White | 5) Ground |
| Yellow | 6) Left Turn / Stop |



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CUSTOMER SERVICE COMMITMENT

Blue Ox® is committed to providing you with exceptional customer care throughout your lifetime with our products. Our team is here to assist you with any questions you may have regarding the performance of your product. Simply call (402) 385-3051 and you can speak with our technical service team.

Additionally, please visit our website to see which rallies our team will be attending. For a nominal fee, our service technician will service your towing system to ensure it's in proper working condition. Also, as a commitment to our customers, should you visit our factory, you can stay at our full service Blue Ox® campground at no charge along with enjoying a factory tour.

Again, thank you for being our customer and for the confidence you have shown in the performance of our products. It is because of customers like you we enjoy the success we have today.



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