STREET CHARGER by Woochitronics

Installation Manual

Note: Street Charger is a quality product and should be installed by a professional or someone knowledgeable about electronics or wiring. Treat the Street Charger as you would treat a car audio amplifier. Take care to double check all your connections before operating the unit.

Wiring Kit consists of:

3' of 8 ga. red wire with shielded ring terminal on each end (power out)
1' of 8 ga. black wire with shielded ring terminal on each end (ground)
15' of 8 ga. red wire with shielded ring terminal on one end (power wire)
15' of 18 ga. green wire (trigger)
40 amp maxi fuse
5 self tap screws ½"
5 wire ties
8 ga. maxi fuse holder with shielded ring terminal on one end & butt connector on other end

Tools needed for proper installation:

Quality crimp tool
Screw gun
7/16" nut driver
Volt/ohm meter
(If you don't have these tools, borrow them from someone who does.)

Woochitronics strongly suggests owning a volt/ohm meter. It will not only be helpful in installing your charger but also in maintaining and trouble shooting your hydraulic system in general.

Always disconnect the ground for your hydraulic batteries before working on your system.

! ! ! D A N G E R ! ! !

DO NOT connect any other wire but the output wire (OUT) to hydraulic battery bank.
Ground, power, and trigger cannot be connected to hydraulic battery bank.
These must run off your car's electrical system.

***** ALWAYS remember to disconnect the OUTPUT wire of charger at the battery bank before replacing the 15 amp fuse on charger. Failure to do so may cause damage to charger. Be extremely careful not to short fuse against casing. *****

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Installation Procedure

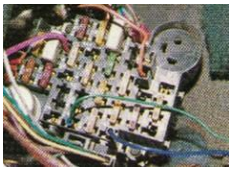
Street Charger comes with the wiring kit already attached.

Your Street Charger should look like this.

Step 1:
Choose a clean location to mount Street Charger. Avoid areas where dirt or oil settles or where charger may get wet. Do not mount charger under hood. Treat your charger like you would treat an audio amplifier. Once you have located your spot, use your screw gun and all 4 self-tap screws to mount charger in standing position with Street Charger logo facing up.

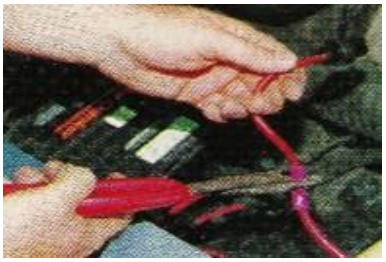
Step 2:
Connect **ground (GND)** (black wire) to the chassis of car using self-tap screw. **DO NOT** ground to negative post of hydraulic battery bank. A good ground is extremely important. Make sure to sand the area where the ground is attached to the chassis.

Step 3:
Connect the **8 ga. output wire (+OUT)** to positive post of the battery that goes to the solenoid. (If you have **2** banks of batteries, you will also need to bridge the two banks together by connecting the positives of the batteries that go to the solenoids with the same gauge wire your system is wired with. **For example,** if you have 4 batteries in series (48v) on each side, you will also need to bridge the two banks together at the 48v positives with same gauge wire the rest of your battery system is wired with.) At this point, one or more of the high/med/low lights should come on.

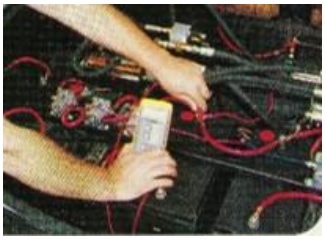


Step 4:
Run the **18 ga. green TRIGGER wire** to the front of the car. Connect wire to a circuit in the fuse box which turns on and off with the ignition.

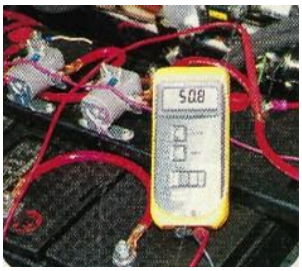
Step 5:
Run the **8 ga. power wire (+PWR)** to car's front battery. Trim wire to proper length. Strip ¼" and crimp to fuse holder's butt connector. Connect fuse holder to car's front battery. (Fuse should be no more than 12 inches from car battery.) This wire will probably spark when first connected. Double check all connections before installing the 40 amp maxi fuse. Reconnect ground for hydraulic batteries.



Step 6: Use the volt/ohm meter to **test** all connections.



Test #1: Touch black wire of voltmeter to car chassis to ground. Touch red wire of voltmeter to +PWR post on Street Charger. Meter should read 12 – 14 volts.



Test #2:
Touch black wire of voltmeter to car chassis to ground. Touch red wire of voltmeter to OUT post on Street Charger. This will show your hydraulic battery level. Start the car. Watch voltmeter for battery level start to rise slowly. Green light should be on. One or more of the charge lights should be on. If green light does not come on, check the green binding post (trigger). If not reading 12 – 14 volts, check connection at fuse box.

Step 7:
Congratulations! Now every time you drive your car, you'll be charging your hydraulic batteries. **One thing to remember: If you have a ground quick disconnect, it must be connected for the charger to work.** If your batteries are not grounded, then the electricity cannot flow through them.

Specifications:

Input voltage:	11 – 14.7 volts
Output voltage:	24, 36, 48, 60 or 72v battery charging (depending on model)
Efficiency:	90% at typical charge level
Input current:	40 amps maximum for all models
Size:	8.5" length (9.75" with terminals), 5.5" height, 3" width
Turn-on feature:	5 second soft start

Indicators:

Green LED / power	Lights when triggered
Red LED	Lights when internal protection activated
Amber LEDs	Shows hydraulic battery bank charge level (low/med/high)

Circuit Protection:

Current limiting	Internal circuitry provides constant current
24 volt model	15 amps maximum output
36 volt model	10 amps maximum output
48 volt model	7 amps maximum output
60 volt model	6 amps maximum output
72 volt model	5 amps maximum output

Warranty

This product should be free from defects in material and workmanship. Should there be found a defect in components and fabrication of this device, please call 727-797-9217. Should this device not perform as described in the specifications, and it is installed correctly as determined by a professional installer, call 727-797-9217 and ask for tech support. If it is determined that a defect in material and/or workmanship has been noted and/or has caused a malfunction in the charger, Woochitronics will, at its discretion, repair or replace the unit for a period of 90 days from date of purchase.

Disclaimer

Since this device is capable of drawing high current, Woochitronics and HLabs recommend the use of the fusing as shown on page 2 of this manual. Any damage to vehicle or other equipment can occur as a result of improper wiring and/or application. Therefore, Woochitronics and HLabs will not assume responsibility for any damage to any person, property, vehicle, equipment, or otherwise.