

# CHICAGO POWER ELECTRIC® SYSTEMS

## MAINTENANCE BATTERY CHARGER

12 Volt / 2 Amp Output

**Model 94533**

### OPERATING INSTRUCTIONS



3491 Mission Oaks Blvd., Camarillo, CA 93011

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**For technical questions, please call 1-800-444-3353.**

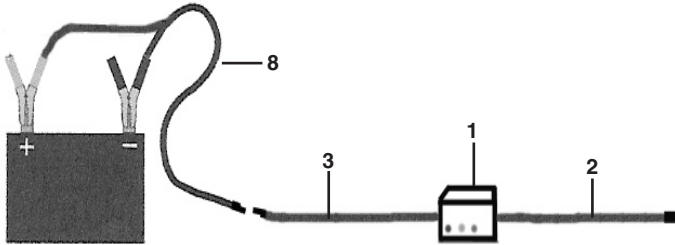
**SAVE THESE INSTRUCTIONS**

### SAFETY WARNINGS AND PRECAUTIONS

1. **Always wear ANSI-approved safety impact eye goggles during setup or use.**
2. **Maintain a safe working environment.** Always keep the work area free of obstructions, grease, oil, trash, and other debris. Do not use this product in areas near flammable chemicals, dust, and vapors.
3. **Read and understand all instructions and safety precautions as outlined in the manufacturer's manual of the battery with which this product will be used.**
4. **FIRE HAZARD! Never allow the red and black Battery Clamps to touch each other or the same metal object.**
5. **WARNING!** Lead acid batteries generate hydrogen gas during normal operation, and even more gas is generated when the battery is charging. Hydrogen gas is explosive and highly flammable. **Never smoke near a charging battery.**
6. **Plug the Charger into its electrical outlet only after it is connected to the vehicle's battery.**
7. **Do not attempt to start a vehicle with the Charger connected to its battery.**
8. **WARNING!** If battery fluid comes in contact with skin, wash with soap and water and rinse with lemon juice and vinegar. If the fluid comes into contact with eyes, flush with water for several minutes and contact a physician immediately. Never burn a battery as it can explode in a fire. Do not attempt to charge a leaking battery.
9. **WARNING!** People with pacemakers should consult their physician(s) before using this product. Electromagnetic fields in close proximity to a heart pacemaker could cause interference or failure of the pacemaker. In addition, people with pacemakers should adhere to the following: Caution is necessary when near the coil, spark plug wires, or distributor of a running engine.

## OPERATING INSTRUCTIONS

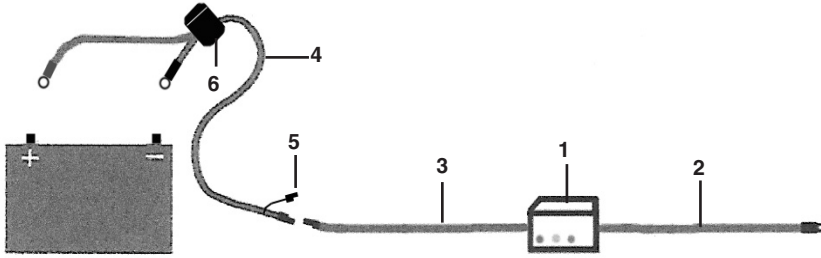
### To Charge A Battery Using The Battery Clamps:



**NOTE: See the last page of this instruction sheet for a complete Parts List and Assembly Diagram.**

1. Make sure the transmission of the vehicle is in “**PARK**” and the emergency brake has been set. Also, turn off the engine of the vehicle prior to connecting the Battery Charger to the battery of the vehicle.
2. Attach the **RED/POSITIVE (+)** Battery Clamp of the Temporary Connection Cord (8) to the **POSITIVE** battery terminal of the vehicle.
3. Attach the **BLACK/NEGATIVE (-)** Battery Clamp of the Temporary Connection Cord (8) to the **NEGATIVE** battery terminal of the vehicle.
4. Connect the Temporary Connection Cord (8) to the Output Cord (3) of the Battery Charger.
5. Plug the Power Cord (2) of the Battery Charger into the nearest 120 volt, grounded, electrical outlet.
6. The **RED (AC Power)** light on the Main Unit (1) of the Battery Charger should be illuminated. This light indicates the Main Unit is receiving 120 volt electrical power from the electrical outlet.
7. The **YELLOW (Charging)** light on the Main Unit (1) of the Battery Charger should be illuminated. This light indicates charging is taking place.
8. The **GREEN (Charged)** light on the Main Unit (1) of the Battery Charger will illuminate when the vehicles’ battery is fully charged.
9. Once the vehicle’s battery is fully charged, unplug the Power Cord (2) from its 120 volt electrical outlet. Disconnect the **RED/POSITIVE (+)** Battery Clamp of the Temporary Connection Cord (8) from the **POSITIVE** battery terminal of the vehicle’s battery. Then disconnect the **BLACK/NEGATIVE (-)** Battery Clamp from the Temporary Connection Cord (8) from the **NEGATIVE** battery terminal of the vehicle’s battery.
10. Make sure to store all parts of the Battery Charger in a clean, dry, safe location out of reach of children.

## To Charge A Battery Using The Ring Connectors:



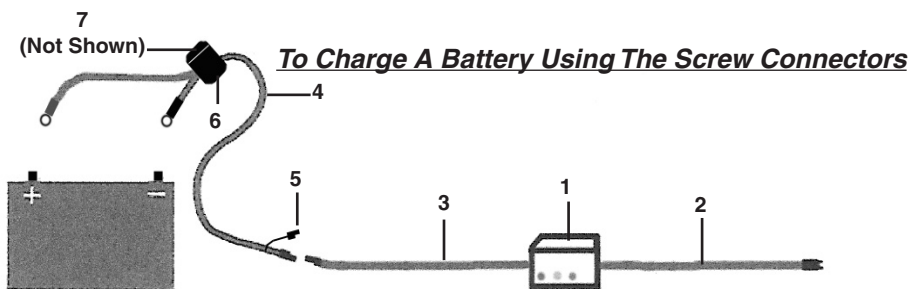
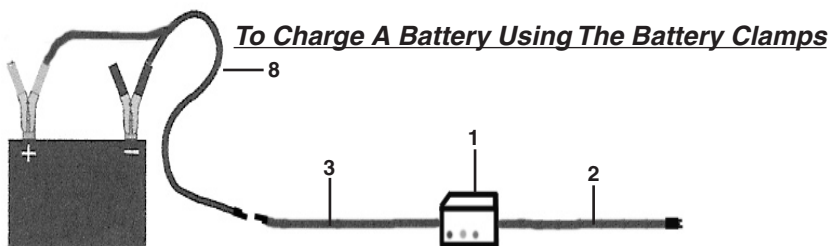
1. Make sure the transmission of the vehicle is in “**PARK**” and the emergency brake has been set. Also, turn off the engine of the vehicle prior to connecting the Battery Charger to the battery of the vehicle.
2. Attach the **RED/POSITIVE (+)** Ring Connector of the Permanent Connection Cord (4) to the **POSITIVE** battery terminal of the vehicle.
3. Attach the **BLACK/NEGATIVE (-)** Ring Connector of the Permanent Connection Cord (4) to the **NEGATIVE** battery terminal of the vehicle.
4. Unplug the Connection Cord Cap (5) from the Permanent Connection Cord (4).
5. Connect the Permanent Connection Cord (4) to the Output Cord (3) of the Battery Charger.
6. Plug the Power Cord (2) of the Battery Charger into the nearest 120 volt, grounded, electrical outlet.
7. The **RED (AC Power)** light on the Main Unit (1) of the Battery Charger should be illuminated. This light indicates the Main Unit is receiving 120 volt electrical power from the electrical outlet.
8. The **YELLOW (Charging)** light on the Main Unit (1) of the Battery Charger should be illuminated. This light indicates charging is taking place.
9. The **GREEN (Charged)** light on the Main Unit (1) of the Battery Charger will illuminate when the vehicles’ battery is fully charged.
10. Once the vehicle’s battery is fully charged, unplug the Power Cord (2) from its 120 volt electrical outlet. Disconnect the Permanent Connection Cord (4) from the Output Cord (3) of the Battery Charger.  
**NOTE:** If desired, the Battery Charger may be left connected to maintain the battery’s charge.
11. Plug the Connection Cord Cap (5) back into the Permanent Connection Cord (4). This allows you to leave the Permanent Connection Cord attached to the vehicle’s battery. **Always make sure the Permanent Connection Cord is positioned away from hot or moving parts of the vehicle’s engine.**
12. Make sure to store all parts (except the Permanent Connection Cord) in a clean, dry, safe location out of reach of children.

## TROUBLESHOOTING

1. **Problem:** The Battery Charger is plugged into an electrical outlet, but no lights on the Main Unit (1) are illuminated.
2. **Possible Solutions:**
  - A. Check to make sure the Power Cord (2) is properly plugged into a **working** 120 volt, grounded electrical outlet.
  - B. Check to make sure the connections to the vehicle's battery posts are secure.
  - C. Open the Fuse Holder (6) to inspect the 3 AMP Fuse (7). If necessary, replace the Fuse.

### PARTS LIST & ASSEMBLY DIAGRAM

Part	Description	Qty.	Part	Description	Qty.
1	Main Unit	1	5	Connection Cord Cap	1
2	Power Cord	1	6	Fuse Holder	1
3	Output Cord	1	7	3 Amp Fuse	1
4	Permanent Connection Cord	1	8	Temporary Connection Cord	1



**NOTE: NO REPLACEMENT PARTS ARE AVAILABLE FOR THIS PRODUCT.**

**PLEASE READ THE FOLLOWING CAREFULLY**

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISKS AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.



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To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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