

***PROLITE II***™

**NIMH BATTERY**

**CHARGER**



**OWNER'S MANUAL**

**Congratulations**, on purchasing the ProLite II car charger. This is the finest car charger on the market. With proper care, this charger will provide many years of dependable service. With the addition of an AC Adaptor this could be the only charger you will ever need.

1. Features
  - a. Charges all ProLite II NiMH Smart Battery Packs.
2. Options
  - a. 120V AC to 12V DC Adaptor
3. Safety
  - a. Do not use in wet conditions. Electrical shock or damage to the unit may result. If unit becomes wet, let unit dry thoroughly before using.
  - b. Charge **only** Prolite II NiMH Smart Battery Packs. **Do not attempt to charge other makes of NiMH packs. Serious injury, death or damage may occur.**
  - c. Do not attempt internal repairs. Serious injury or damage may result. Warranty is void if internal repairs are attempted.
  - d. When cleaning contacts or inspecting cords make sure the charger is unplugged.
  - e. Do not leave charger unattended when in use.
  - f. Caution: Charger will become very hot when in operation. Do not touch charger when hot, serious burns may result.

4. Operation

- a. Charging ProLite II NiMH smart battery packs.
  - i. Inspect all cords, connectors and batteries for damage. Do Not Use If Damage is found. Repair or Replace damaged parts before continuing. Note: NiMH batteries must be charged at a temperature range between 32° F and 104° F (0° C and 40°C).
  - ii. Connect charger to the cigarette lighter.
  - iii. Plug battery into the charger. The red LED on the charger will light.
  - iv. When battery becomes fully charged, the red LED will go out. Note the battery will become very warm during charging.
  - v. The battery should be removed from the charger as soon as possible once it is fully charged. Note: Do not leave battery on charger for extended periods of time once it is charged; battery damage may result.
  - vi. Wait at least 15 minutes before using battery after charging. Battery will not provide any current until it cools down several degrees. This is considered normal operation.

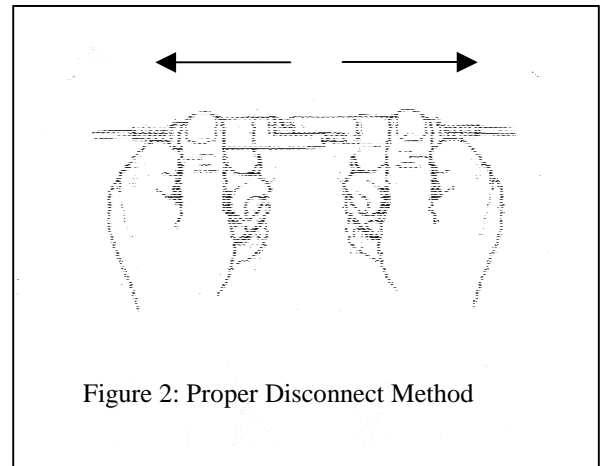


Figure 2: Proper Disconnect Method

5. Trouble Shooting

- a. Red LED on lighter plug does not light.
  - i. No power to cigarette lighter socket.
    1. Turn ignition on.
    2. Check fuse for cigarette lighter.
  - ii. Bad contact between lighter plug and socket.
    1. Clean contacts
  - iii. Blown fuse in lighter plug.
    1. Replace fuse in lighter plug. See Figure3.
  - iv. Bad connection between charger and battery.
    1. Clean connector.
    2. Replace connector. Contact factory for details.
  - v. Red LED on charger lights but battery does not charge.
    1. Defective battery
      - a. Replace battery.
  - vi. Broken internal connection in battery pack.
    1. Replace battery pack.

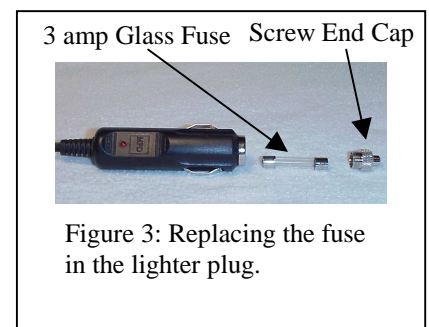


Figure 3: Replacing the fuse in the lighter plug.

6. Typical Charging Times

- a. The charging times listed in the table are typical times. Your actual charging time may vary due to actual input voltage, battery condition, state of charge etc.

Battery Type, Voltage and Capacity	Charge Time
6V, 1.5 Ah, NiMH	1.0 hours
6V, 3.7 Ah, NiMH	2.5 hours
6V, 6.5 Ah, NiMH	4.3 hours
7.2V, 1.5 Ah, NiMH	1.0 hours
7.2V, 3.7 Ah, NiMH	2.5 hours

7. Limited Warranty

- a. This charger is warranted for a period of one year from the original purchase date against defects in parts or workmanship. The manufacturer will replace or repair the charger at the manufacturer's discretion after inspection has determined the cause of failure. The registration card must be filed with the manufacturer along with a copy of the original sales receipt for the warranty to be valid. This warranty is valid only to the original owner and is non-transferable. Naturally, normal wear and tear, misuse, neglect or dissatisfaction with the product choice are not manufacturing defects and thus are not cover by this warranty. No other warranty is implied.
- b. The manufacturer and their agents are not liable for any incidental or consequential damages, including, but not limited to, property damage, lost time, loss of use of a covered product, or any damages resulting from the breakdown or failure of a covered product, or from delays in replacement of a covered product.
- c. If the product falls within the warranty guidelines, the manufacturer will cover repairs. Shipping to and from the repair center is the responsibility of the consumer. If it is necessary to ship, please send the charger prepaid, insured, and in a carton. Enclose an 8 ½ x 11 sheet of paper with your name, address, telephone number, email address and a brief description of the problem to ProLite, c/o Brian Preaux .

8. Contact Information

For additional information about PROLITE II Car Charger or any other PROLITE products, or warranty or non-warranty repairs contact PROLITE at:

- a. Email: support@proliteii.com
- b. Phone: (571) 344-5793
- c. Mailing Address: See website for mailing address

