

USING THE L.E.D. BATTERY METER

- This Hammer-Head unit is equipped with a battery charge and voltage meter display.
- The meter is useful for proper maintenance and diagnosis of your Hammer-Head, but it will not affect the performance or function of the cleaning unit.
- The meter is NOT a charging device. Use the front access panel of your battery box to access the battery terminals for charging with standard alligator clips.



SETUP INSTRUCTIONS

- Follow the wiring diagram on the reverse side of this sheet. Your battery meter will be wired directly to the battery terminals.
- It is a separate circuit from your Hammer-Head switch/motor assembly. The meter should only be connected to your battery terminals and NOT your Hammer-Head switch or the motor wires.

HOW TO USE

- ONLY use a deep-cycle battery. NEVER use a car battery or a marine starting battery.
- GEL batteries are recommended for ideal performance and longer battery life.
- ONLY use a 6-10 amp automatic charger. NEVER use a trickle charger. Trickle charging is charging below 6 amps.
- Charge your battery whenever your Hammer-Head is not in use and leave it connected to the charger. Remember the A-B-C (Always Be Charging).
- When measuring your battery voltage, disconnect the Hammer-Head from your charger and make sure the Hammer-Head is switched OFF.
- The voltage meter should be showing green after a full night of charging at 6-10 amps.
- When disconnected from the charger, a fully charged battery should display on the meter as 12.7 to 13.3 volts (depending on the type of battery).
- When your Hammer-Head is underwater and is switched ON, the voltage shown on the meter will DECREASE. This is normal, as the motor is now drawing more power from the battery than it does when running out of the water.

*NOTE: Voltage levels on this chart are presented as ranges due to the different marine battery types that may be in use. Exact voltage levels may vary.

BATTERY CHARGE LEVEL	L.E.D. METER DISPLAY (UNIT IS OFF)	L.E.D. METER DISPLAY (UNIT ON AND UNDERWATER)
100% charged	12.7 to 13.2 volts	11.5 to 12 volts
50% charged	12.0 to 12.3 volts	11.2 to 11.4 volts
5% charged	11.4 volts or less RECHARGE NEEDED	(AVOID DISCHARGING THE BATTERY BELOW 5% OR 11.4 VOLTS)