

QUANTUM AUTOMOBILE CHARGER

(HB-36, RA-16)

OPERATING INSTRUCTIONS

IMPORTANT INFORMATION

Be sure to use the appropriate Charger for your battery.

HB-36 for Quantum Ham Battery

RA-16 for Quantum Battery 5

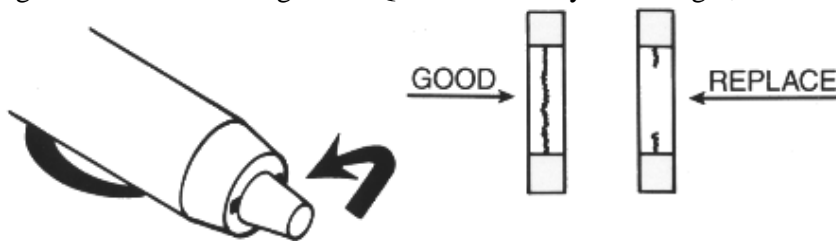
IMPORTANT: To prevent an accidental short circuit and a blown fuse, be sure the Charger is plugged into the Quantum Battery **BEFORE** connecting or disconnecting the Charger from the automobile.

- 1) Connect the Charger to either one of the two output jacks on the Quantum Battery.
- 2) Connect the lighter plug on the Charger to the automobile.
- 3) Turn the Quantum Battery ON. Check the indicator lights on your Quantum Battery and Charger. The yellow ON indicator and all three green battery indicators on the Quantum Battery should light. The red indicator on the Charger should also light. Note: Most vehicles do not need to be running in order to charge the battery. If the Quantum Battery indicator lights are ON, but the Charger light is OFF-The vehicle battery is lower than 12 volts and should be checked. If the indicator lights on both the Quantum Battery and Charger are OFF - See sections "Fuse Replacement" or "Polarity Reversing."
- 4) Charge for 6 hours. Leaving the Charger connected for longer periods will not harm your Quantum Battery.
- 5) Turn the Quantum Battery OFF.
- 6) Disconnect the lighter plug from the automobile first, then, disconnect the Charger from the Quantum Battery.

CAUTION: Do not connect a device (two-way radio etc.) to the **QB** or **HB** while charging. The normal charging voltage may damage your equipment.

FUSE REPLACEMENT

To protect against current surges the adapter plug has been equipped with a type 3AG 2-amp. fuse. If the indicator lights on both the Charger and Quantum Battery do not light, check the fuse in the plug and replace if necessary.



Push in the cap and turn counter-clockwise to release fuse.

POLARITY REVERSING

The CHARGER is wired for most cars, namely center contact tip positive and slide spring contact negative. In the unlikely event your car is wired backwards the CHARGER will not charge and its red light will not light. If the fuse has been checked and is good then you can reverse the polarity of the plug.

To do so, remove the screw from the plug body and separate its sections. The strain relief holding the wire may now be removed by lifting it upward from the plug body. Turn it 180° and replace it into the plug body. Assemble top body and tighten the screw.

