

Delta-Q Charger Algorithm Update for Haze Batteries

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Intended Readers

The purpose of this manual is to provide a qualified electric car mechanic or technician with the information to correct the addressed service issues. Check with ZAP if you are unsure who to have do the work. ZAP is not responsible for damage to your vehicle or personal injury for work done by non-qualified personnel.

Read through entire procedure prior to beginning any work.

The step by step instructions should be performed by a qualified electric car mechanic in the order stated.

This update procedure is to install and set Algorithm 134 (ALG134) as the default for Haze batteries.

Tools and supplies needed:

- Laptop or desktop computer with available USB port
- Delta-q QuiQ USB Interface Module 900-0012
- 10 mm wrench or socket
- KILL-A-WATT Meter (optional)

Step 1

Open QuiQ Programmer box and remove Programmer User Manual. Follow instructions to Install Programmer software on laptop or desktop computer.

Step 2

Download ALG134 file from the ZAP website to your laptop or desktop computer. <http://www.zapworld.com> then click on support then manuals or go to <http://www.zapworld.com/node/82>

Step 3

Follow instructions in the QuiQ Programmer User Manual to add ALG134 to charger and set as default.

Step 4

Reconnect charger to batteries as instructed in Programmer User Manual and charge until green full LED is on solid. To verify charger operation press the AMP button on KILL-A-WATT meter if available. Reading should be between 1 and 12AMPS depending on the charge state of the batteries.

Step 5

Return QuiQ Programmer to ZAP #2 West 3rd. Street Santa Rosa, CA. 95401

If you have any Questions, Call ZAP Tech. Support Dept. (707)526-6444

bwallis@zapworld.com

Failure to return programmer will result in a \$500 charge