EQ – Battery Equalize

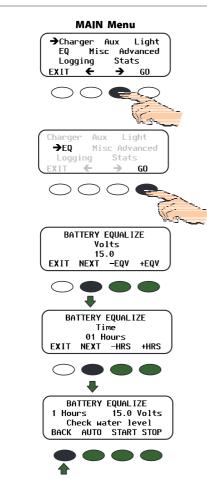
Equalization is a controlled overcharge that is part of regular battery maintenance. Equalization brings the batteries to a much higher voltage than usual and "simmers" them for a period of time. This has the result of removing inert compounds from the battery plates and reducing stratification in the electrolyte. Equalization follows the same pattern as standard three-stage charging. However, instead of the Absorption voltage set points, it is controlled by the *Battery Equalize Volts* settings. The time is controlled by the *Battery Equalize Time* setting.

Equalization is normally performed only on flooded lead-acid batteries. The schedule for equalization varies with battery use and type, but it is usually performed every few months. If performed correctly, this process can extend battery life by a considerable amount.



CAUTION: Battery Damage

- Do not equalize any sealed battery types (VRLA, AGM, Gel, or other) unless approved by the manufacturer. Some batteries may suffer severe damage from equalization.
- Contact the battery manufacturer for recommendations on equalization voltage, duration, schedule, and/or advisability. Always follow manufacturer recommendations for equalization.



To change the EQ mode settings:

- From the main menu, press <←> or <→> to move the → to the left of EQ.
- 2. Press <GO> to open the BATTERY EQUALIZE Volts screen.
- 3. Press <-**EQV**> to decrease the value.
- 4. Press <+**EQV**> to increase the value.
- 5. Press <**NEXT>** to advance to the **Battery Equalize Time** screen.
- 6. Press <-HRS> to decrease the value.
- 7. Press <+**HRS**> to increase the value.
- 8. Press **<NEXT>** to advance to the **Battery Equalize Start** screen.
- 9. Choose one of the following equalization modes:
 - > Press **<START**> to start a manual equalization charge.
 - > Press **<STOP>** to stop an equalization charge.
 - Press **AUTO**> to view the auto equalization screen.See Figure 32 for details.
- 10. Press **<BACK>** to return to the **EQ** screen.

To Exit:

- Press **EXIT** once to return to the main menu.
- > Press **<EXIT**> twice to return to the status screen.

Figure 31 Using Equalization

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