

## Battery Balance Light

### Overview

The House Batteries and the coach engine batteries are connected in series/parallel. They are wired for 24 and 12 volt DC power. All battery chargers on your coach charge to the 24 volt side of the batteries. The Inverters, coach engine alternator(s) and engine battery charger all charge the batteries with 24 volt DC. To charge the 12 volt side of the battery bank, an "Equalizer" is used. This battery equalizer takes 24 volt DC and converts it to 12 volt DC to charge the 12 volt battery side. If the equalizer does not function properly, a "Battery Balance" red light on the dash display above the steering wheel illuminates. This indicates that the equalizer is not functioning properly and, eventually the batteries will be damaged (24 volt side overcharged and 12 volt side discharged). One equalizer is installed for the House Batteries and one for the engine batteries. The Battery Balance light (1) for the House Batteries is in the upper left corner of the dash display area. The engine (Prevost) Battery Balance light (2) is in the lower right side of the dash display area.



### Operation

#### CAUTION

Avoid equipment damage.

Operating your electrical system with a "BAL" (Battery Balance) light that stays on for more than 20 minutes can damage the batteries.

Contact Customer Service for assistance.

If either battery balance light is on for more than 20 minutes, you must reduce all electrical loads on those batteries.

### Engine Battery Balance Light (Greater Than 20 Minutes On)

1. With the coach engine running, look at the dash volt meter to see what the coach 24 volt meter is reading. If the meter is reading greater than 29 volts DC, there is an alternator problem. If reading is normal (26 to 28 volts DC), there is a battery or equalizer problem.

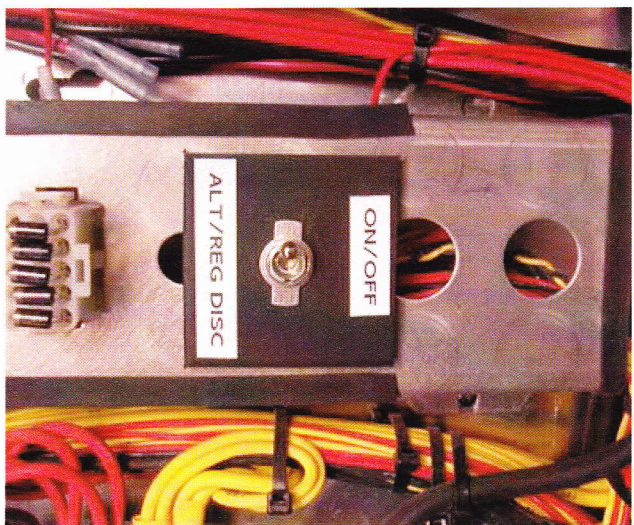
2. Park the coach and turn off the coach engine. Contact Customer Service for assistance.

### House Battery Balance Light (Greater Than 20 Minutes On)

1. Secure or turn off as many interior loads as possible.

2. Disconnect from Shore Power or turn off the Generator, if operating.

3. While operating the coach engine, record the 24 volt TempComp voltage on Inverter #2. This should not exceed 29 volts DC. If this voltage is greater than 29 volts DC, disconnect the alternator from the House Batteries by using the Alternator to House Battery Disconnect Switch, located in the electrical bay aft of the drive wheels on the right side.



4. If the problem is not the alternator, turn off all the 110 volt AC loads.

5. Contact Customer Service for assistance.