

BATTERY DISCONNECT Supplement

Covina & Traveler 2009

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BATTERY DISCONNECT - HOUSE

The main house battery disconnect switch turns the house battery power supply on or off by disconnecting 12 Volt DC power to the following items: Converter and the Domestic Fuse Panel located in the load center under the refrigerator. Turn the house battery disconnect switch off when the motorhome is stored for more than 48 hours, or prior to performing electrical maintenance. If possible, leave the motorhome plugged into shore power with the battery disconnect switch on to help prevent the possibility of dead house batteries. Use of the battery disconnect switch will not turn off all DC electrical items or other parasitic loads present on the house batteries.

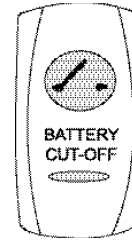
Use the yellow handle on the battery disconnect switch to turn off the house batteries. Down is on, and you can push it up when storing your motorhome.



Battery disconnect switch located in curbside bay.

Battery Cut-Off

The battery cut-off switch is located inside the motorhome next to the entry door. This switch controls the 12 Volt DC power to the domestic fuse panel. Power is supplied to all interior DC lighting and DC operated appliances when the switch is activated. As an example, the battery cut-off switch must be in the on position for the eye brow (control panel) of the refrigerator to receive power.



NOTE:
When the interior house power is off, there are still parasitic loads on the house battery.

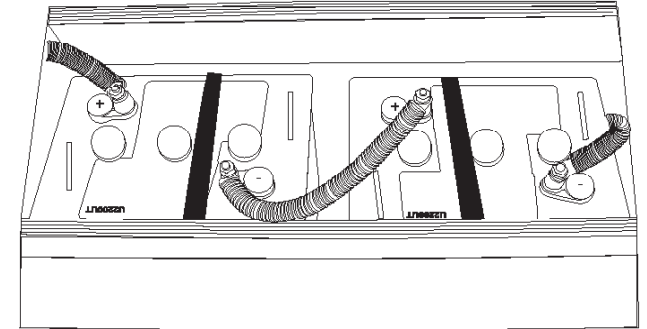
CAUTION:
If the battery cut-off switch is in the off position and the coach is plugged into shore power, the converter is not charging the house batteries.

CAUTION:
Avoid flash damage to electrical contacts. Turn off the interior lighting before operating the battery cut-off switch.

House Batteries

The house batteries are located under the entry door step:

1. Unclip the two latches on the step.
2. Lift and remove cover. This gives you plenty of access to perform routine maintenance on the house batteries.



The U2200UT batteries in the motorhome are rated at 232 Ah Capacity. If the house batteries are 100% full state of charge, there is approximately 232 Ah of battery life. This motorhome has the following approximate 2.30 amp parasitic draw with the battery cut-off switch on and everything else off in the motorhome.

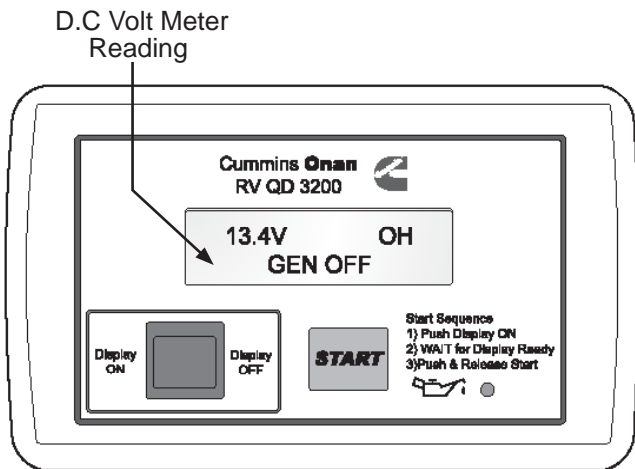
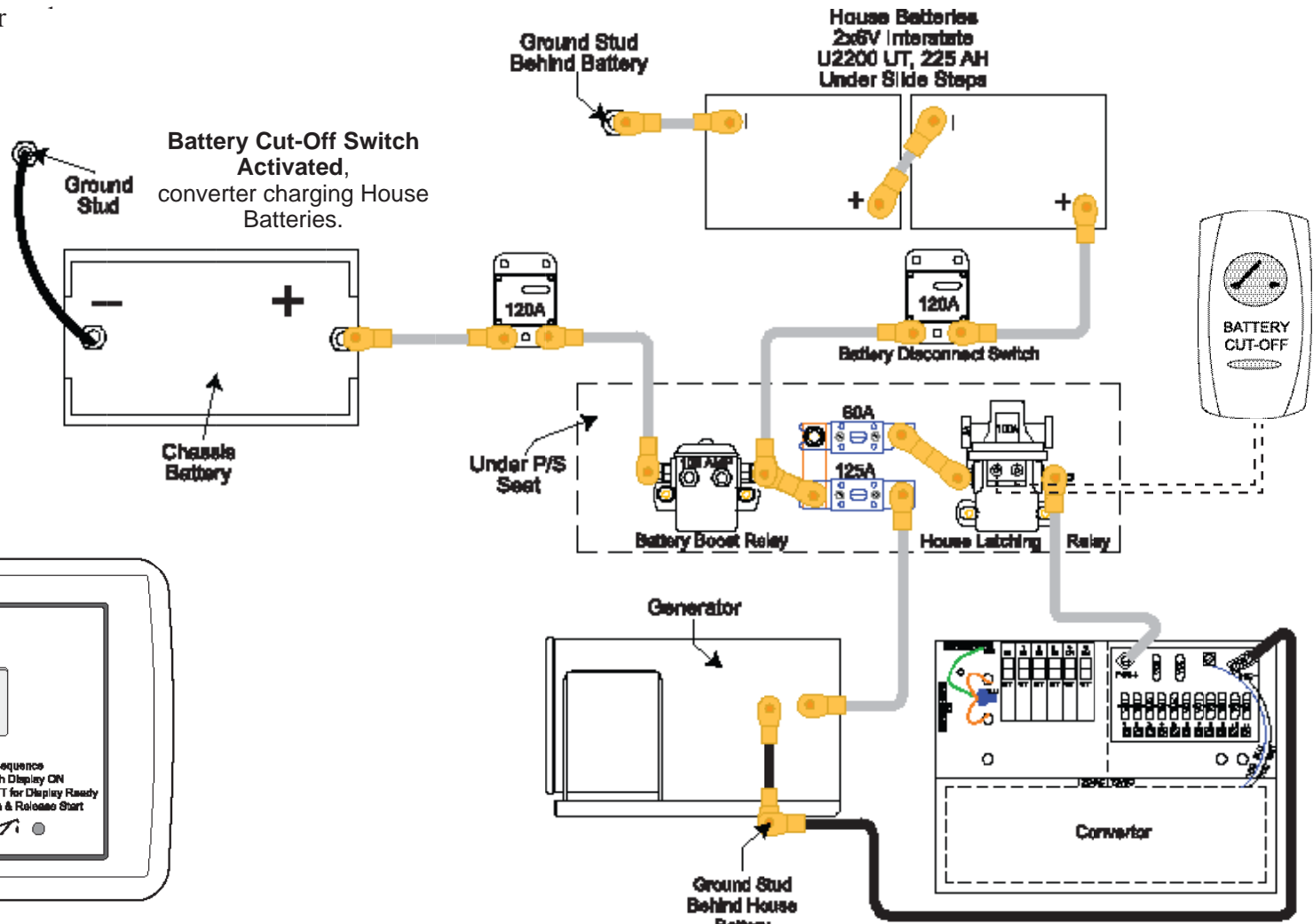
- ◆ TV Memory.
- ◆ Carbon Monoxide Detector.
- ◆ Propane Detector.
- ◆ DVD Radio Player Memory.

Liquid Lead Acid Batteries (LLA) come filled with 35% sulfuric acid and 65% distilled water. Regularly maintain by adding distilled water as needed. Never add sulfuric acid.

To charge the house batteries:

To test, unplug from shore power turn on one of the interior lights. When the battery cut-off switch is activated, the light will remain ON. When deactivated, the interior lights will be OFF and no converter charging.

The convertor will not charge the batteries when the battery cut-off switch is deactivated and the coach is plugged into shore power. If you have the optional Diesel Generator, check House DC voltage on the remote panel.



CAUTION:

Coach unplugged: Battery cut-off switch off: refrigerator will not operate. Battery cut-off switch must be in the on position to operate refrigerator.

