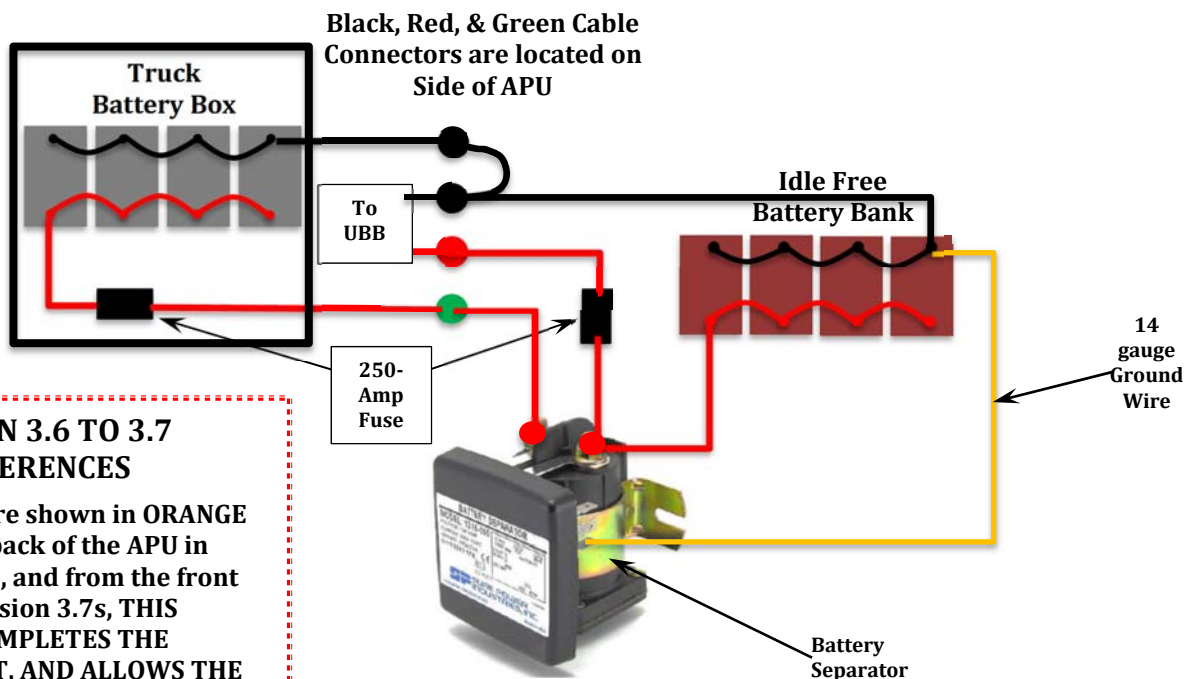


# Idle Free Tech Tips

Hello,

This month we would like to cover the 12-volt connections in the APU. Often short run time can be attributed to cables not being reconnected, or hooked up incorrectly after service. Always refer to the wiring diagrams available in the dealer portal. If you have questions or need assistance please feel free to call Idle Free Tech Support anytime. Below is a wiring diagram showing the DC cable connections from the truck batteries to the APU frame rail unit on the truck.



## VERSION 3.6 TO 3.7 DIFFERENCES

The 14-gauge wire shown in ORANGE comes from the back of the APU in Version 3.6 APUs, and from the front of the APU in Version 3.7s, THIS SIGNAL WIRE COMPLETES THE GROUND CIRCUIT, AND ALLOWS THE BATTERY SEPARATOR TO OPERATE PROPERLY. MAKE SURE THIS CONNECTION IS CLEAN AND IS ON THE LOWEST TERMINAL OF THE BATTERY SEPARATOR

**THREADED ROD SHOULD NOT BE USED TO REPLACE MISSING BATTERY HOLD DOWN BOLTS. THE REPLACEMENT BOLTS MUST BE GRADE 5 BOLTS. TORQUE SPECIFICATION IS 50 INCH POUNDS, PLUS A HALF TURN. START ON CENTER BOLT AND WORK TO END BOLTS**

Idle Free Technical Support is always ready to help answer any questions. Please feel free to call us at any time. Tech Support direct telephone number is 920.206.9333. Thank you.