

Date	Feb 7, 2023
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**SUBJECT:** Battery Connections  
**PURPOSE:** Integrated Wrecker – Final Installation & Dressout

### Circuit Breaker Installation:



1. Check that the circuit breaker is properly installed and tight.
2. Ensure that the cable connections to the circuit breaker are tight.
3. Check that the battery box and all frame connections are correct and tight.
4. Confirm that the battery hold-down clamps are installed and tight.

## Battery Connections:



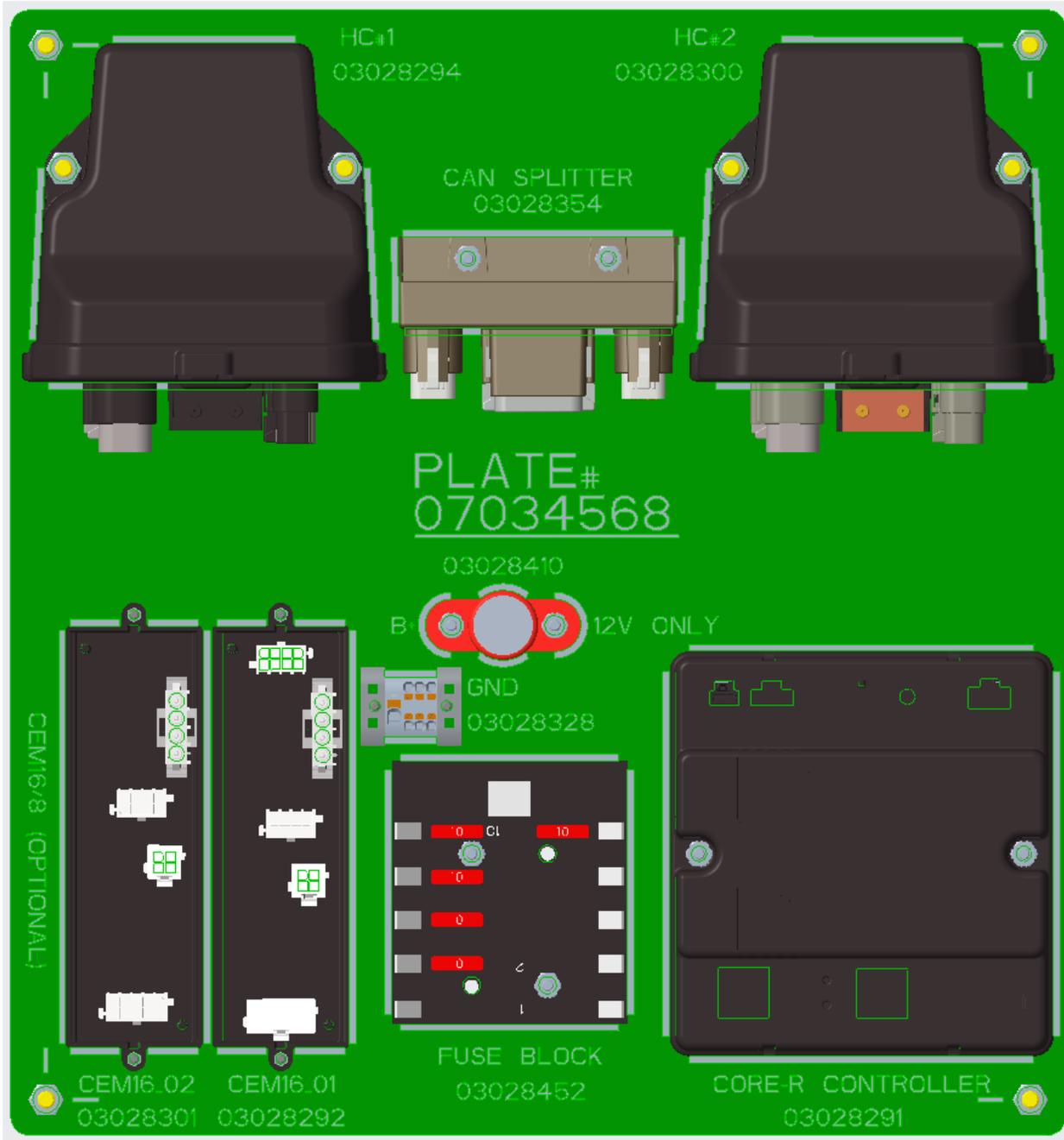
1. All cables and harnesses should be covered end-to-end in split loom or equivalent and secured in place.
2. Inspect all terminal crimps and ensure that there are no frayed ends or wires present.
3. Check that all cables to the positive and negative battery terminals are tightened.
4. Confirm that the battery box cover is properly secured in place with rubberized straps.

5. **Loomed battery positive**, from the circuit breaker, **and the battery ground cables** are routed through the grommets into the front left (driver-side) toolbox where the junction box and Whelen Power Distribution Panel are located.



## Battery Positive

The +12V battery power from the 150A circuit breaker (installed in the battery box) should be wired to the +B stud on the center of the panel. Minimum battery cable size is 4 AWG. Note: this system is not 24V compatible.



## Battery Ground

Route the battery ground (-) into the junction box and attach the ground to the upper left OR center ground studs that are joined together with a busbar:

