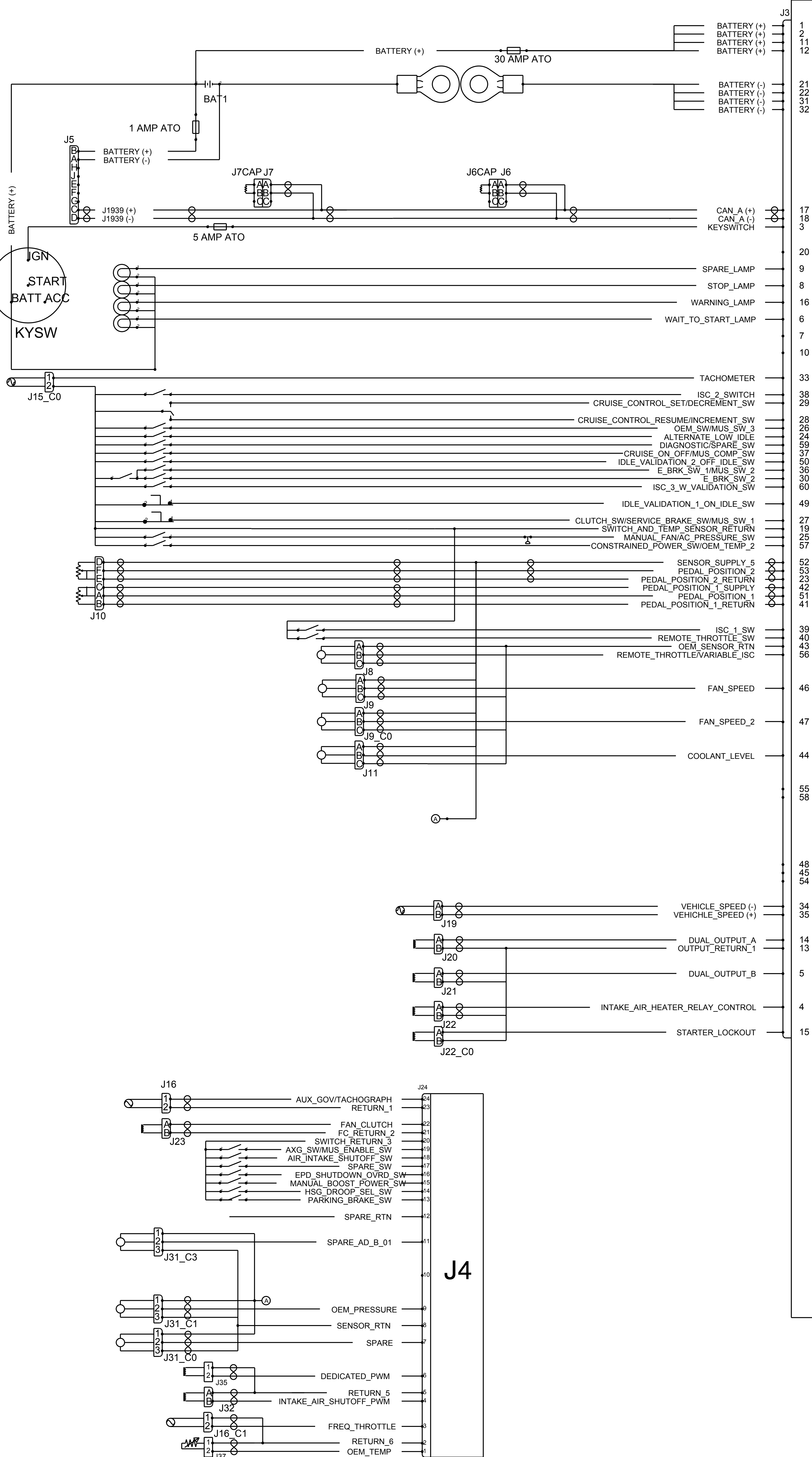
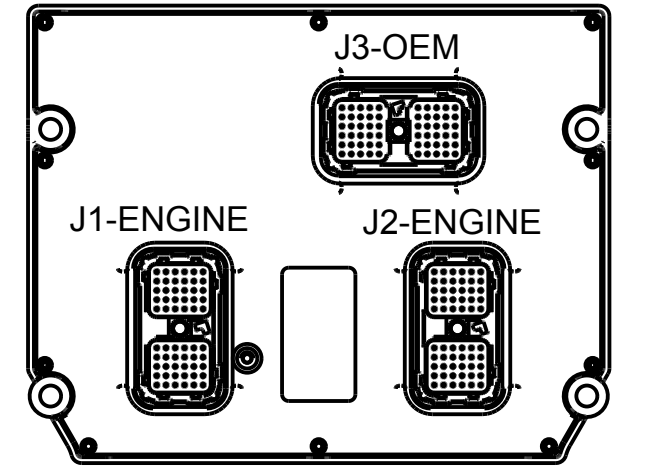


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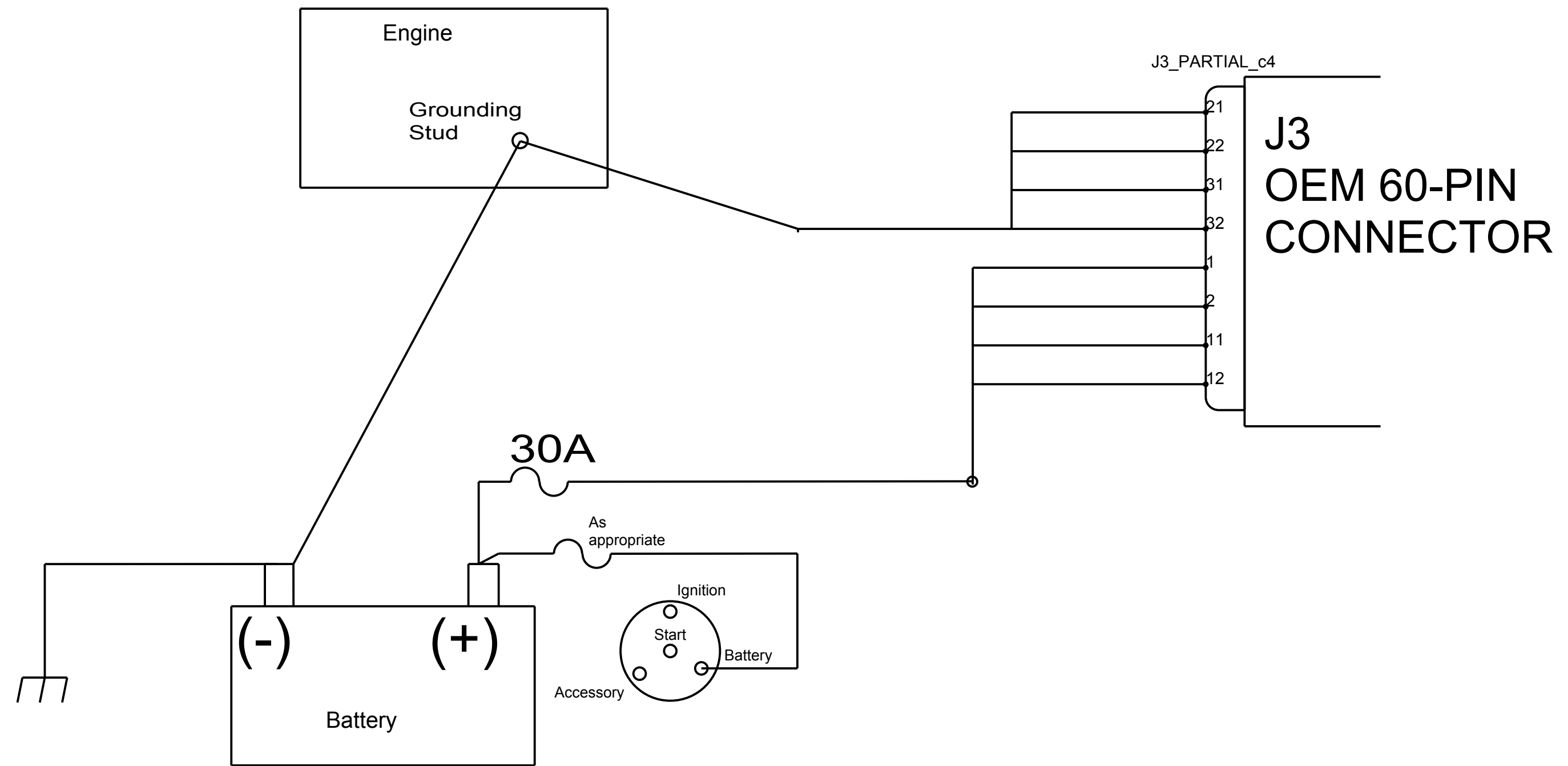


CM2250 J3

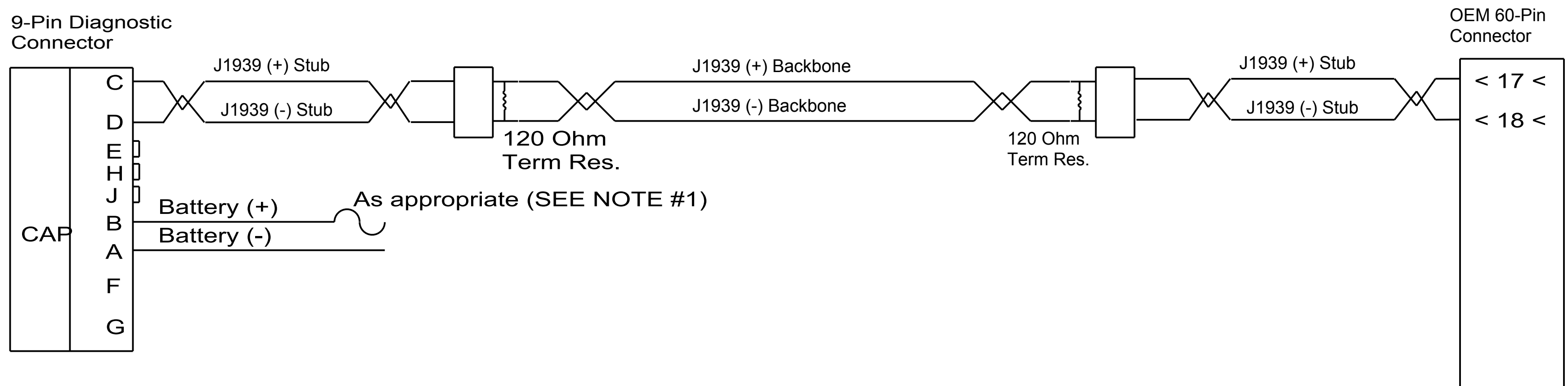


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ECM Power Connections



Datalink Connectors



NOTES:

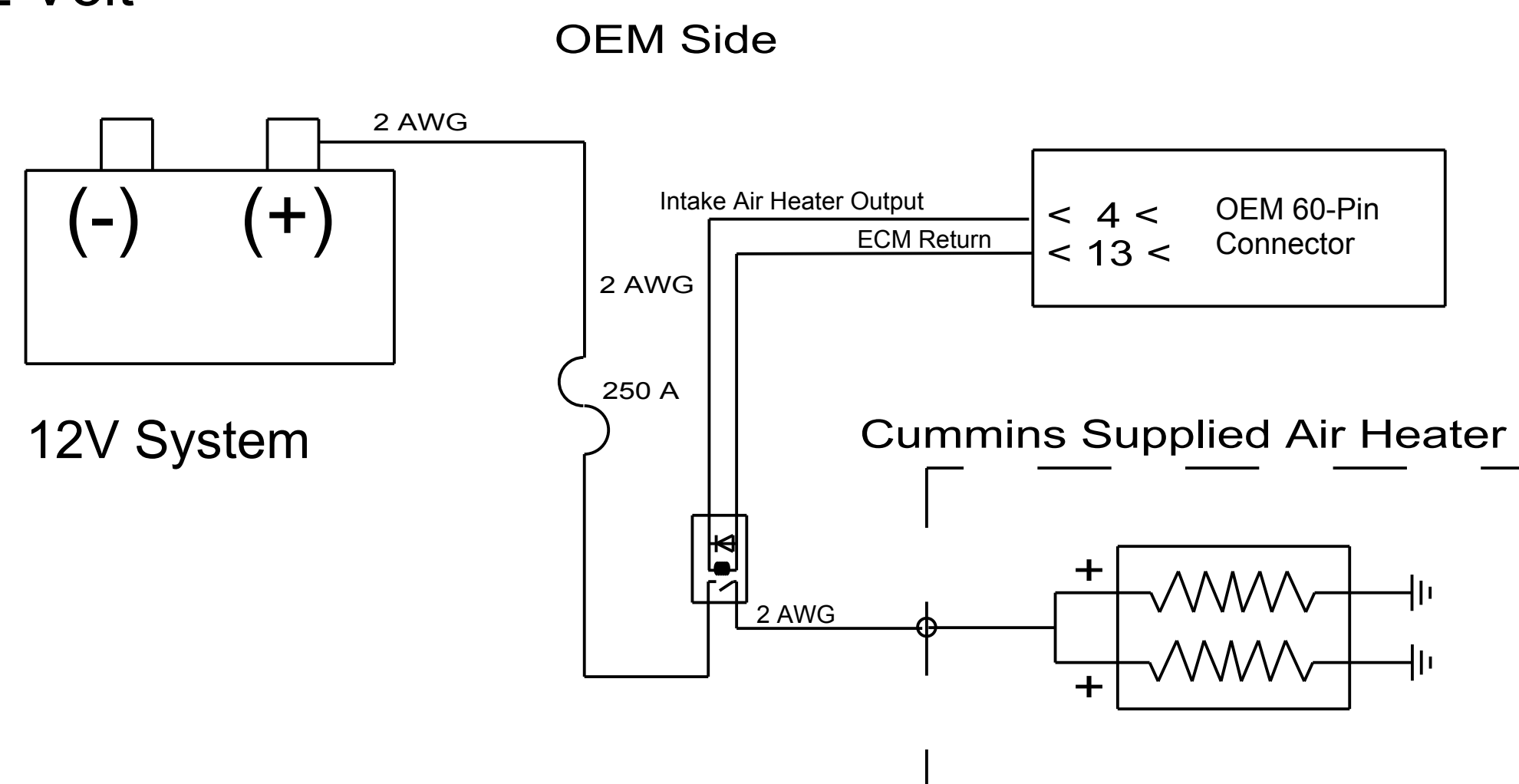
1. The Cummins Service Tool requires a minimum of 1 Amp. The fuse and wiring should be sized according to all devices that may be connected to the diagnostic connector.

2. The CM2250 ECM does not support J1587.

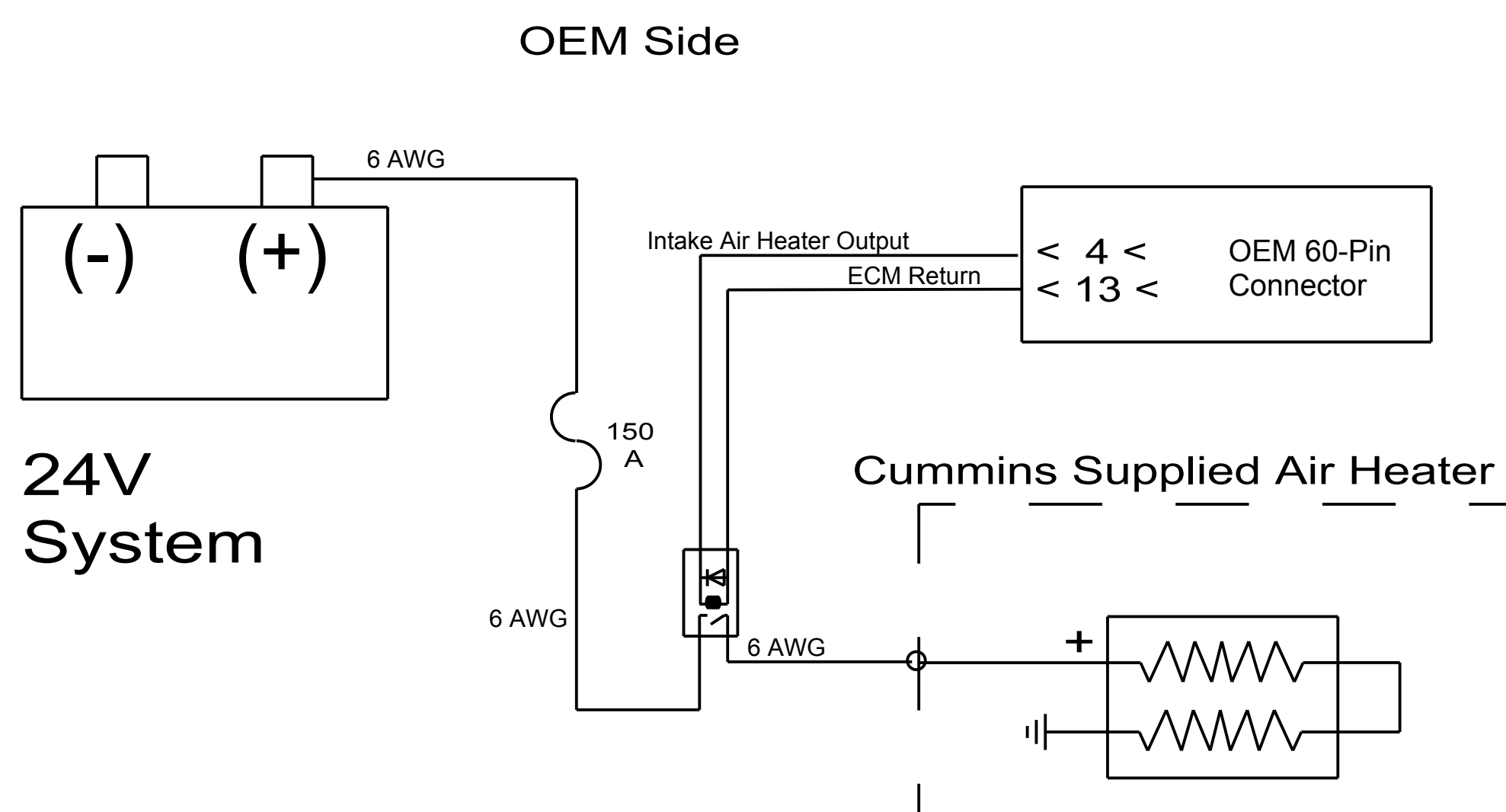
3. The CM2250 ECM does not provide a shield connection for the J1939 datalink. The ECM may be connected to a shielded datalink backbone as described in SAE Recommended Practice J1939-15.

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Detail 'A' - Intake Air Heaters - 12 Volt



Detail 'B' - Intake Air Heaters - 24 Volt



OEM responsibility (assume 12V system is used):

1. Procure and install Heavy solenoid switch ("off engine" mount for environment durability)

with following characteristics:

- 12 VDC SPST (Ametek Prestolite switch SBJ-4201 works)
- 200 amps steady state continuous current rating
- Break current 200 amps
- 600 Amp In rush capability
- Water resistant

2. Provide wiring capable of 200 continuous amps from battery positive terminal to Heavy Duty solenoid battery (+) terminal and from heavy duty solenoid output to grid heater element input

3. Provide solenoid control wiring from the ECM OEM connector to the "off engine" mounted heavy solenoid switch.

4. Note that grid heater current is returned to Battery negative via engine block ground. OEM is responsible for installation of engine block ground in vehicle installations.

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Starter Lockout Feature

