

# MOE'S OPERATING TIPS



**Moe Tarrabain**  
Director of Service Operations

## NO START TROUBLESHOOTING STEPS.

Does the engine turn over ?  
Does the engine labor when it turns over ?  
Are the batteries fully charged ?  
Is there fuel in the tanks ?

These are simple questions you can ask yourself if you have a no start condition. Here are some helpful hints.

One of the first and most basic steps for troubleshooting an electronic engine complaint is to verify that there is power to the Electronic Control Module ( ECM ). This can be accomplished by simply turning on the ignition and observing the Red Stop Engine Light ( SEL ) & the Amber Check Engine Light ( CEL ). If they do not light up during the initialization of the ignition switch, there may be a problem with the power supply voltage to the ECM from the battery. This can be caused by a blown circuit protection fuse which may be located inside the battery box compartment, or on some models in the Power Distribution Module ( PDM ).

Broken or corroded connections can also cause a no start condition. These issues must be resolved prior to attempting to start the vehicle.

If warning lights come on during vehicle operation a fault has been detected and will be recorded by the ECM. If the Red SEL is on the vehicle will shut down in 30 seconds, usually this is caused by :

- 1 - Low Coolant Level
- 2 - Low Oil Pressure
- 3 - High Coolant Temp
- 4 - Low Battery Voltage

If the Amber CEL light is illuminated, usually the vehicle is still operational, but may not have all functions due to a system derate and should be brought to an authorized Freightliner dealer for service.

Fault codes can be accessed from the vehicle either by a check engine switch or by using the cruise control switches. Please feel free to contact any one of our First Truck Centre Service Representatives for assistance