Open Circuit code became Active after the code reappears, the sensor or pigtail harness, but do not install into engine) and sensor was disconnected then thoroughly ensure the code is no longer Active. If the code disappears with a new sensor, replace the sensor (connect sensor to Diagnostic Code. If the problem returns with the new ECM, if the ECM was recently replaced, a "D" in the ECM number, check the “On-Highway” engine software and reprogram if necessary.

Open Circuit Code Changes

If the Open Circuit code remains Active with open circuit between pin-C and pin-30 (Sensor Signal Pin), replace the sensor (connect sensor to pin-30) and remove the sensor signal wire from P2. Install jumper in place.

Short Circuit Code

If the Open Circuit code returns Active, temporarily install another ECM. If the new ECM works and the problem returns with the old ECM, replace the ECM. STOP.

Code Remains Active?

If the Open Circuit code remains Active with open circuit between pin-C and pin-30 (Sensor Signal Pin), replace the sensor (connect sensor to pin-30) and remove the sensor signal wire from P2. Install jumper in place.

Diagnostic Codes:
The following codes are indicative of a problem within the engine’s electrical system.

Engine Sensor Open or Short Circuit Test

Open Circuit Code Tests

If the Open Circuit Code Test does not resolve the problem, check for an out of range condition on the sensor with the sensor disconnected from ECM and substitute a new sensor from another engine.

OK

If the Open Circuit Code remains Active, the sensor was disconnected, but an Open Circuit code exists on the ECM, the OK will not resolve the problem.

Diagnostic Codes:
The Open Circuit Code Diagnostic Codes are indicative of a problem within the engine’s electrical system.

If the OK does not resolve the problem, check for an out of range condition on the sensor with the sensor disconnected from ECM and substitute a new sensor from another engine.

OK

If the Open Circuit Code remains Active, the sensor signal wire is intact and the sensor is good. If the OK does not resolve the problem, check for an out of range condition on the sensor with the sensor disconnected from ECM and substitute a new sensor from another engine.

OK

If the Open Circuit Code remains Active, the sensor signal wire is intact and the sensor is good. If the OK does not resolve the problem, check for an out of range condition on the sensor with the sensor disconnected from ECM and substitute a new sensor from another engine.

OK

If the Open Circuit Code remains Active, the sensor signal wire is intact and the sensor is good. If the OK does not resolve the problem, check for an out of range condition on the sensor with the sensor disconnected from ECM and substitute a new sensor from another engine.