

■ Fault symptom

The customer complained of unstable engine operation at idle speed and the appearance of the emergency lamp to check the engine.

■ Fault diagnosis process

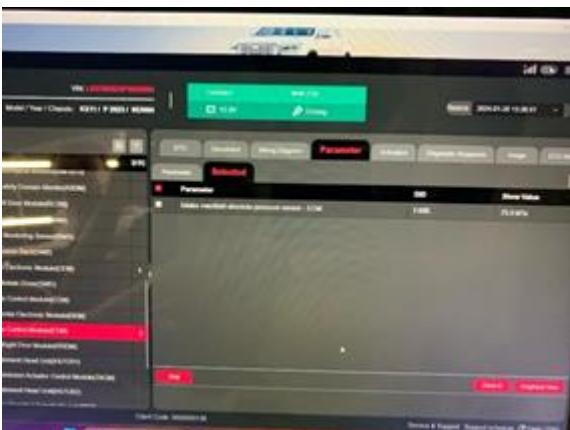
1. Confirmed the problem.



2. Used GLDS2 to check DTC, found ECM-P010602



3. Checked the parameters of the caliper vacuum sensor using GLDS2 standard value of 30Kp.



4. Checked the power and ground of the manifold vacuum sensor.



5. Checked the engine control unit plug. found a weak contact in the engine control unit pad. After replacing the pin, the problem was solved.

■ **Fault solution**

Bad contact in the plug of the engine-ECU.

■ **Quality inspection & repair confirmation**

After inspection, the fault has been fixed.