

2. EGCV POT Input Voltage Inspection

Turn the ignition switch OFF.  
Disconnect the EGCV servomotor 6P (Natural) connector.

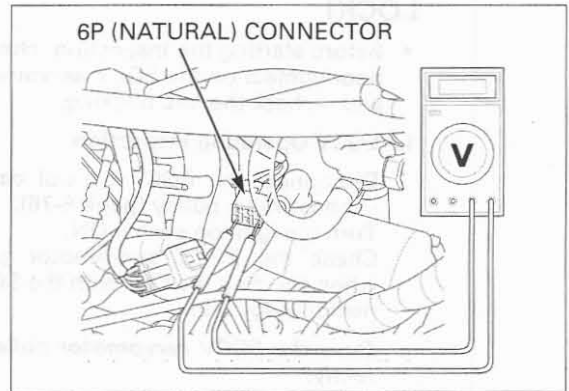
Turn the ignition switch ON and engine stop switch "Ⓞ".  
Measure the voltage at the wire harness side.

Connection: Yellow/red (+) – Brown/black (-)

Is the voltage within 4.75 – 5.25 V?

YES – GO TO STEP 4.

NO – GO TO STEP 3.



3. ECM Output Voltage Inspection

Turn the ignition switch OFF.  
Connect the EGCV servomotor 6P (Natural) connector.

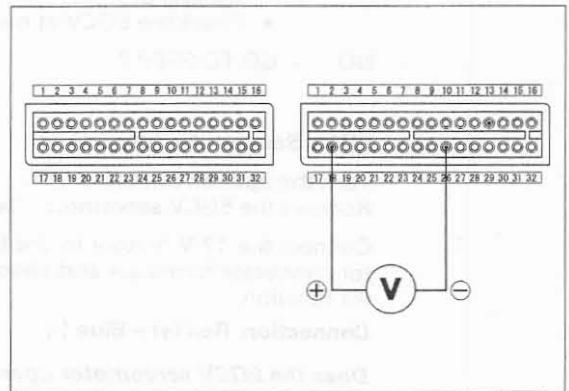
Turn the ignition switch ON and engine stop switch "Ⓞ".  
Measure the voltage at the test harness terminals.

Connection: B18 (+) – B26 (-)

Is the voltage within 4.75 – 5.25V?

YES – • Open circuit in Yellow/red wire  
• Open circuit in Green/orange wire

NO – Replace the ECM with a known good one, and recheck.



4. EGCV POT Output Line Inspection

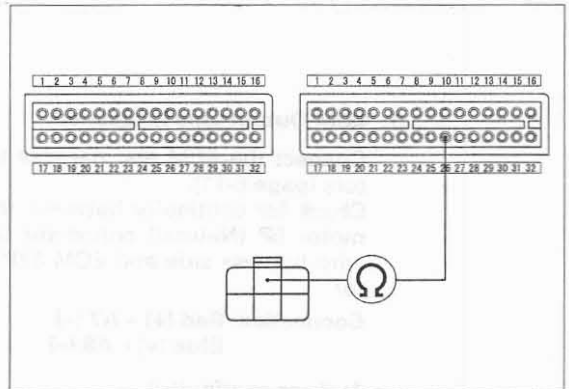
Check for continuity between the EGCV servomotor 6P (Natural) connector terminal of the wire harness side and ECM 32P (Light gray) connector.

Connection: Light green/black – B24

Is there continuity?

YES – GO TO STEP 5.

NO – Open circuit in Light green/black wire



5. EGCV POT Output Line Short Circuit Inspection

Turn the ignition switch OFF.

Check for continuity between the EGCV servomotor 6P (Natural) connector terminal of the wire harness side and ground.

Connection: Light green/black (+) – ground (-)

Is there continuity?

YES – Short circuit in Light green/black wire

NO – Faulty EGCV servomotor

