

Troubleshooting

Engine Speed (NEP) Signal

Diagnostic Trouble Code (DTC) 3-2: Engine Speed (NEP) Signal Diagnosis

- With engine running, TCS indicator light is ON.
- With the SCS service connector connected (see page 19-159), DTC 3-2 is indicated.

Check for a short to body ground in the NEP circuit:

1. Disconnect the TCS control unit 20P, PCM C (12P) and gauge assembly 22P connectors.
2. Check for continuity between the PCM connector C (12P) terminal No. 8 and body ground.

Is there continuity?

YES

Repair short to body ground in the wire between the TCS control unit, PCM and gauge assembly.

NO

Check the PCM:

1. Connect the PCM connector C (12P).
2. Start the engine.
3. Measure the voltage between the PCM connector C (12P) terminal No. 8 and body ground.

NOTE:

- Use the 10 V range or a similar range in an analog tester.
- Check with the engine idling and warmed-up.

Is there about 6 V?

NO

Check for loose PCM connectors. If necessary, substitute a known-good PCM and recheck.

YES

Check for an open in the NEP circuit:

Measure the voltage between the TCS control unit 20P connector terminal No. 12 and body ground.

NOTE:

- Use the 10 V range or a similar range in an analog tester.
- Check with the engine idling and warmed-up.

Is there about 6 V?

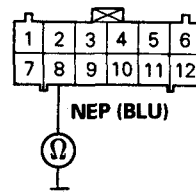
NO

Repair open in the wire between the PCM and TCS control unit.

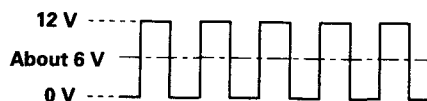
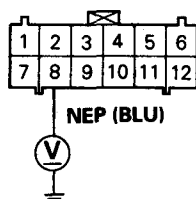
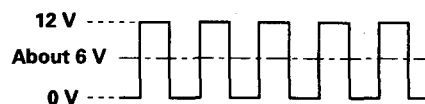
YES

- The system is OK at this time.
- If the problem recurs, replace the TCS control unit.

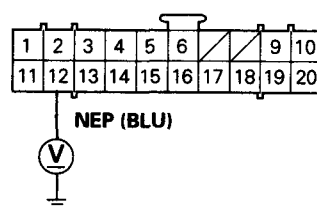
PCM CONNECTOR C (12P)



Wire side of female terminals



TCS CONTROL UNIT 20P CONNECTOR



Wire side of female terminals