

MIL 19 BLINKS (CKP SENSOR)

- Before starting the inspection, check for loose or poor contact on the CKP sensor connector and recheck the MIL blinking.

1. CKP Sensor Peak Voltage Inspection at ECM

Turn the ignition switch OFF.

Connect the ECM test harness to the ECM connectors (page 6-11).

Turn the ignition switch ON and engine stop switch "Q".

Crank the engine with the starter motor, and measure the CKP sensor peak voltage at the test harness terminals.

Connection: B11 (+) – A31 (-)

Is the voltage more than 0.7 V (20 °C/68 °F)?

- YES** –
- Intermittent failure
 - Loose or poor contact on the ECM connectors

NO – GO TO STEP 2.

2. CKP Sensor Peak Voltage Inspection

Turn the ignition switch OFF.

Disconnect the CKP sensor 2P (Red) connector.

Turn the ignition switch ON and engine stop switch "Q".

Crank the engine with the starter motor, and measure the CKP sensor peak voltage at the CKP sensor 2P (Red) connector.

Connection: Yellow (+) – White/black (-)

Is the voltage more than 0.7 V (20 °C/68 °F)?

- YES** –
- Open or short circuit in the Yellow, White/black wire

NO – Faulty CKP sensor

