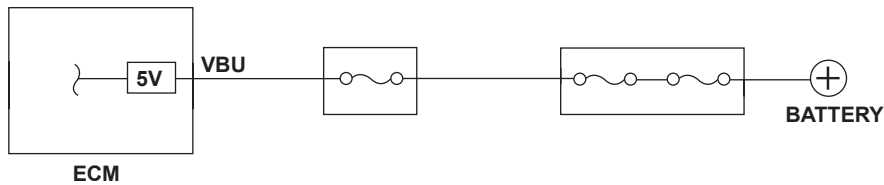


Advanced Diagnostics

DTC P0560: ECM Back-up Circuit Low Voltage



P0560-0101

General Description

The engine control module (ECM) constantly draws power for the memory to make back-up copies of data such as DTCs, and the freeze frame data. If there is an open or a short in the power supply circuit for backing up the ECM, the data stored in the memory is erased when the ignition switch is turned off.

If the VBU voltage is a set value or less for a specified time period, the ECM detects a malfunction and stores a DTC.

Monitor Execution, Sequence, Duration, DTC Type

Execution	Continuous
Sequence	None
Duration	2 seconds or more
DTC Type	One drive cycle, MIL ON

Enable Conditions

Condition	Minimum	Maximum
Engine speed	300 rpm	—
Battery voltage (IGP terminal of the ECM)	10.5 V	—
No active DTCs	ECM Back-up System	

Malfunction Threshold

The back-up power supply voltage (at the VBU terminal of the ECM) is 6.0 V or less for at least 2 seconds when the battery voltage (at the IGP terminal of the ECM) is 10.5 V or more after start-up.

Diagnosis Details

Conditions for illuminating the MIL

When a malfunction is detected, the MIL comes on and the DTC and the freeze frame data are stored in the ECM memory.

Conditions for clearing the MIL

The MIL will be cleared if the malfunction does not recur during three consecutive trips in which the diagnostic runs.

The MIL, the DTC, and the freeze frame data can be cleared by using the scan tool Clear command or by disconnecting the battery.