DTC B2575

Diagnostic Instructions

a) Perform the Diagnostic System Check – Vehicle on page 6-60 prior to using this diagnostic procedure.
b) Review Strategy Based Diagnosis on page 6-57 for an overview of the diagnostic approach.
c) Diagnostic Procedure Instructions on page 6-58 provides an overview of each diagnostic category.

DTC Descriptor

DTC B2575 00: Headlamp Control Circuit

Diagnostic Fault Information

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
Headlamp Low Beam Relay Control	2	1	B2575 00	—
1. Headlamps Inoperative -Low Beams 2. Headlamps Always On -Low Beams				

Circuit/System Description

The low beam headlamps are controlled by the body control module (BCM). The BCM grounds the headlamp low beam relay control circuit in order to energize the HID/LO BEAM relay coil. The HID/LO BEAM relay then sends voltage to the low beam headlamps.

Conditions for Running the DTCs

a) The headlamps are commanded ON.
b) The headlamp dimmer switch must be in the low beam position.

Condition for Setting the DTC

The headlamp low beam relay control circuit is shorted to voltage.

Action Taken When the DTC Sets

The BCM turns off the headlamp low beam relay control for the remainder of the ignition cycle.

Conditions for Clearing the DTC

a) The conditions for setting the DTC are no longer present.
b) A history DTC clears after 100 malfunction-free ignition cycles.

Circuit/System Verification

Ignition ON, command the Low Beam ON with a scan tool. The Low Beam Relay Command parameter should display On and the low beam headlamps should illuminate.

Circuit/System Testing

1) Ignition OFF, disconnect the HID/LO BEAM relay.
2) Ignition ON, verify that a test lamp does not illuminate between the control circuit terminal 86 and ground.
   If the test lamp illuminates, test the control circuit for a short to voltage.
3) If all circuits test normal, replace the BCM.