DTC B2555

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 B2555 00: Passenger Compartment Lamp Control Circuit

Diagnostic Fault Information

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
Courtesy Lamp High Control	B2555 00	1	B2555 00	—
1. Courtesy Lamps Inoperative				

Circuit/System Description

The CTSY fuse in the I/P fuse block supplies B+ to the body control module (BCM). When the BCM receives a door open signal and the courtesy defeat
switch is not active, the BCM supplies B+ to the courtesy lamps. The courtesy lamps are grounded at G302, G401, and G402.

Conditions for Running the DTC

Battery voltage must be between 9–16 volts.

Conditions for Setting the DTC

a) DTC B2555 00 will set when the BCM detects a short to voltage in the courtesy lamp control circuit.

b) DTC B2555 00 will set when the BCM detects a short to ground in the courtesy lamp control circuit.

Action Taken When the DTC Sets

DTC B2555 00 is present, when a short to ground or short to voltage on the courtesy lamp control circuit is present.

Conditions for Clearing the DTC

a) The condition responsible for setting the DTC no longer exists.

b) A history DTC will clear once 100 consecutive malfunction-free ignition cycles have occurred.

Circuit/System Testing

1) Disconnect the harness connector at the cargo lamp.

2) Connect a test lamp between the courtesy lamp high control circuit terminal C and ground.

If the test lamp illuminates, locate and repair a short to voltage in the courtesy lamp high control circuit.

If the test lamp does not illuminate, locate and repair a short to ground in the courtesy lamp high control circuit.

3) If all circuits test normal, replace the BCM.