

DTC B3950**Circuit Description**

The body control module (BCM) controls the left rear turn signal and hazard lamp. The BCM supplies voltage to control the lighting functions. The BCM monitors the left rear stop/turn lamp supply voltage circuit for proper operation.

DTC Descriptor

This diagnostic procedure supports the following DTC:

DTC B3950 Left Rear Turn Signal Circuit**Conditions for Setting the DTC****B3950 02**

Will set if there is a short to ground in the left rear turn signal circuit

B3950 05

Will set if there is an open or short to voltage in the left rear turn signal circuit

Action Taken When the DTC Sets

- The Service Vehicle Soon message will be displayed.
- Stores a DTC B3950 in the BCM memory
- If the failure is an open, short to ground, or to power, the rear turn signal flashes at double rate.

Conditions for Clearing the DTC

- This DTC requires an ignition cycle in order to change from current to history.
- The BCM no longer detects continuous battery voltage on the LH turn signal monitor circuit for longer than 5 seconds.
- A history DTC will clear after 50 consecutive ignition cycles if the condition for the malfunction is no longer present.

Diagnostic Aids

- The following conditions may cause an intermittent malfunction:
 - There is an intermittent short to voltage in the LH turn signal monitor circuit.
 - The turn signal switch or the hazard switch is shorted internally or is sticking.
- If the BCM detects continuous voltage on the LH turn signal monitor circuit, the BCM interprets this as a short to voltage. The BCM will continue with normal daytime running lights (DRL) operation, and the LR turn signal will remain inoperative.
- If the DTC is a history DTC, the problem may be intermittent. Perform the tests shown while moving related wiring and connectors. This can often cause the malfunction to occur. Refer to **Testing for Intermittent Conditions and Poor Connections** in Wiring Systems.

DTC B3950

Step	Action	Yes	No
Schematic Reference: <u>Exterior Lights Schematics</u>			
Connector End View Reference: <u>Master Electrical Component List</u> in Wiring Systems			
1	Did you perform the Diagnostic System Check - Vehicle?	Go to Step 2	Go to <u>Diagnostic System Check - Vehicle</u>
2	1. Turn ON the ignition, with the engine OFF. 2. Place the turn signal switch in the left turn position. Does the left rear turn signal operate properly?	Go to <u>Testing for Intermittent Conditions and Poor Connections</u>	Go to Step 3
3	Observe the left rear turn signal lamp. Is the lamp always ON?	Go to Step 6	Go to Step 4
4	Inspect the condition of the left rear turn signal bulb.		

	Is the bulb burned out?	Go to Step 8	Go to Step 5
5	<p>Test for the following in the left rear stop/turn lamp supply voltage circuit:</p> <ul style="list-style-type: none"> • An open • A high resistance • A short to ground <p>Refer to Circuit Testing and Wiring Repairs .</p> <p>Did you find and correct the condition?</p>		
6	<p>Test for a short to voltage in the left rear stop/turn lamp supply voltage circuit. Refer to Circuit Testing and Wiring Repairs .</p> <p>Did you find and correct the condition?</p>	Go to Step 10	Go to Step 7
7	<p>Inspect for poor connections at the harness connector of the body control module (BCM). Refer to Testing for Intermittent Conditions and Poor Connections and Connector Repairs .</p> <p>Did you find and correct the condition?</p>	Go to Step 10	Go to Step 9
8	<p>Replace the left rear turn signal bulb. Refer to Tail Lamp Replacement.</p> <p>Did you complete the replacement?</p>	Go to Step 10	-
9	<p>Replace the BCM. Refer to Control Module References for replacement, setup, and programming.</p> <p>Did you complete the replacement?</p>	Go to Step 10	-
10	<ol style="list-style-type: none"> 1. Use the scan tool in order to clear the DTCs. 2. Operate the vehicle within the Conditions for Setting the DTC, as specified in the supporting text. 		

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Does the DTC reset?

Go to **Step 2**

System OK