

Antilock Brakes / Traction Control Systems: Testing and Inspection

C0245

DTC C0245

Step	Action	Yes	No
Schematic Reference: ABS Schematics			
1	Did you perform the diagnostic system check?	Go to Step 2	Go to Diagnostic System Check - ABS
2	Is the following DTC(s) set concurrently with a history DTC C0245? <ul style="list-style-type: none"> • DTC C0036 • DTC C0041 • DTC C0048 • DTC C0051 • DTC C0056 	Go to DTC Diagnostic Trouble Code (DTC) List	Go to Step 3
3	Inspect the WSS for physical damage. Is physical damage of the WSS evident?	Go to Step 4	Go to Step 5
4	Replace the WSS. Is the replacement complete?	Go to Step 14	—
5	Inspect the jumper harness for physical damage. Is physical damage of the jumper harness evident?	Go to Step 6	Go to Step 7
6	Replace the jumper harness. Is the replacement complete?	Go to Step 14	—
7	Check for Proper routing of the wheel speed sensor harness. Check that the wheel speed sensor harness is routed away from the spark plug wires. Is the wheel speed sensor harness properly routed?	Go to Step 9	Go to Step 8
8	Reroute the wheel speed sensor harness away from the spark plug wires. Is the reroute complete?	Go to Step 14	—
9	1. Install a scan tool. 2. Turn the ignition switch to the RUN position. 3. Set the scan tool to Snap Shot Auto Trigger mode and monitor the wheel speed sensors. 4. Carefully drive the vehicle above 12 Km/h (8 mph) for several minutes Did the scan tool trigger on any of the wheel speed sensors?	Go to Step 10	Go to Step 11
10	Note which wheel speed sensor triggered the scan tool. Follow the appropriate Wheel Speed Sensor Malfunction DTC table for the wheel speed sensor that triggered. Is the repair complete?	Go to Step 14	—
11	1. Reconnect all previously disconnected components. 2. Using a scan tool clear the DTC. 3. Remove the scan tool from the DLC. 4. Carefully drive the vehicle above 12 Km/h (8 mph) for several minutes. Does the DTC reset as a current DTC?	Go to Step 13	Go to Step 12
12	Malfunction is Intermittent. Inspect all connectors and harnesses for damage that may result in an open or high resistance when connected. Is the repair complete?	Go to Diagnostic System Check - ABS	—
13	Replace the EBCM. Is the replacement complete?	Go to Step 14	—
14	1. Use the scan tool in order to clear the DTCs. 2. Operate the vehicle within the conditions for running the DTC as specified in the supporting text. Does the DTC reset?	Go to Step 2	System OK

Circuit Description

The speed sensors used on the front of this vehicle are multiple pole and the rear uses a single pole magnetic pickup. This sensor produces an AC signal that the EBCM uses the frequency from to calculate the wheel speed.

Conditions for Running the DTC

The ignition switch is ON