

**DTC****C1337/37****Different Diameter Tire Malfunction****DESCRIPTION**

The skid control ECU measures the speed of each wheel by receiving signals from the speed sensors. These signals are used for recognizing whether all 4 wheels are operating properly. Therefore, all wheel signals must be equal.

DTC No.	DTC Detecting Condition	Trouble Areas
C1337/37	When either one of following condition detected: <ul style="list-style-type: none"> <li>• Diameters different of 2 front wheels and 2 rear wheels.</li> <li>• Wheel speed sensor fault</li> </ul>	<ul style="list-style-type: none"> <li>• Speed sensor</li> <li>• Speed sensor rotor</li> <li>• Speed sensor circuit</li> <li>• Tire sizes</li> </ul>

**NOTICE:**

Check the speed sensor signal after replacement (See page [BC-103](#)).

**1****CHECK TIRE SIZE**

(a) Check tire size and condition of all 4 wheels.

**OK:**

All 4 wheels are the same size and in the same condition.

**NG**

**REPLACE TIRES SO THAT ALL 4 TIRES ARE SAME IN SIZE**

**OK****BC****2****CHECK SPEED SENSOR ROTOR**[BC-130](#)

(a) Remove the drive shaft, and check around the speed sensor rotor.

**OK:**

No scratches or foreign matter on the sensor tip.

**NG**

**REPLACE SPEED SENSOR ROTOR**

**OK****3****CHECK SPEED SENSOR**

(a) Check the speed sensor circuit (See page [BC-130](#)).

**NG**

**REPLACE SPEED SENSOR**

**OK****4****CHECK HARNESS AND CONNECTOR (SKID CONTROL ECU - EACH SPEED SENSOR)**

(a) Check the speed sensor circuit (See page [BC-130](#)).

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

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RECONFIRM DTC

- (a) Clear the DTCs (See page [BC-118](#)).
- (b) Drive the vehicle at more than 13 mph (20 km/h) for more than 60 seconds.
- (c) Check if the same DTCs are detected.

Result	Proceed to
DTC output	A
DTC not output	B

B

END

A

REPLACE MASTER CYLINDER SOLENOID