DTC	C1337/37	Different Diameter Tire Malfunction

DESCRIPTION

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

DTC No.	DTC Detection Condition	Trouble Area
C1337/37	With vehicle speed at 20 km/h (12 mph), condition that difference in average speed between front wheels and rear wheels is 20% or more continues for 20 seconds, and occurs consecutively 3 times each time the vehicle is driven.	Tire size

INSPECTION PROCEDURE

1 CHECK TIRE SIZE

(a) Check the diameter of all 4 tires.
OK:
Diameter of all 4 tires are equal.

NG → **REPLACE TIRES WITH 4 EQUAL SIZE TIRES**

OK

2 CHECK SPEED SENSOR ROTOR

(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-64 or BC-70).

NG → **REPLACE SPEED SENSOR**

OK

4 CHECK WIRE HARNESS (SKID CONTROL ECU - EACH SPEED SENSOR)

(a) Check the speed sensor circuit (see page BC-69 or BC-70).

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

5 RECONFIRM DTC

(a) Clear the DTCs (see page BC-47).
(b) Drive the vehicle at more than 20 km/h (12 mph) for more than 60 seconds.
(c) Check if the same DTCs are detected.

Result

Result	Proceed to
DTC is output	A
DTC is not output	B

B → **END**

A

REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY