DTC	C1337/37	DIFFERENT DIAMETER TIRE MALFUNCTION

CIRCUIT 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	When either of the following conditions is detected: • Diameter is different between the 2 front wheels and the 2 rear wheels. • Wheel speed sensor fault.	• Tire size • Speed sensor • Speed sensor rotor • Speed sensor circuit

INSPECTION PROCEDURE

NOTICE:

When replacing the master cylinder solenoid, perform zero point calibration (see page 05–744).

1	CHECK TIRE SIZE

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

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

OK

2	INSPECT SPEED SENSOR ROTOR

(a) Check the front speed sensor circuit (see page 05–780) and rear speed sensor circuit (see page 05–788).

NG → **REPLACE SPEED SENSOR ROTOR (SEE PUB. NO. RM990E, PAGE 30–30) (SEE PUB. NO. RM990E, PAGE 30–40)**

OK

3	INSPECT SPEED SENSOR

(a) Check the front speed sensor circuit (see page 05–780) and rear speed sensor circuit (see page 05–788).

NG → **REPLACE SPEED SENSOR (SEE PUB. NO. RM990E, PAGE 32–86) (SEE PUB. NO. RM990E, PAGE 32–88)**

OK

4	CHECK HARNESS AND CONNECTOR (BETWEEN SKID CONTROL ECU AND SPEED SENSOR) (SEE PAGE 01–26)

(a) Check the front speed sensor circuit (see page 05–780) and rear speed sensor circuit (see page 05–788).

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

5	RECONFIRM DTC

(a) Clear the DTCs (see page 05–766).
(b) Drive the vehicle at a speed of approximately 20 mph (32 km/h) or more for 60 seconds or more.
(c) Check if the same pending DTCs are detected (see page 05–766).

HINT:
Reinstall the sensors, connectors, etc. and restore the previous vehicle conditions before rechecking for DTCs.

Result:

DTC is output	A
DTC is not output	B

B → END

A

REPLACE MASTER CYLINDER SOLENOID (SEE PAGE 32–12)