

DTC	C1235/35	Foreign Object is Attached on Tip of Front Speed Sensor RH
DTC	C1236/36	Foreign Object is Attached on Tip of Front Speed Sensor LH
DTC	C1238/38	Foreign Object is Attached on Tip of Rear Speed Sensor RH
DTC	C1239/39	Foreign Object is Attached on Tip of Rear Speed Sensor LH

DESCRIPTION

The Skid Control ECU sets this DTC if, according to abnormal signals input by the sensor, it detects that foreign material is adhering to the speed sensor tip or the sensor rotor, or the rotor has any missing teeth. This DTC may be set if parts such as the speed sensor circuit connector or wire harness are malfunctioning.

DTC No.	DTC Detecting Conditions	Trouble Areas
C1235/35 C1236/36 C1238/38 C1239/39	<ul style="list-style-type: none"> At vehicle speed of 12 mph (20 km/h) or more, noise in speed sensor signal continues for 5 seconds or more. At vehicle speed of 6 mph (10 km/h) or more, noise detected as rotor turns, for 15 seconds or more. 	<ul style="list-style-type: none"> Master cylinder solenoid (skid control ECU) Speed sensor Speed sensor rotor

HINT:

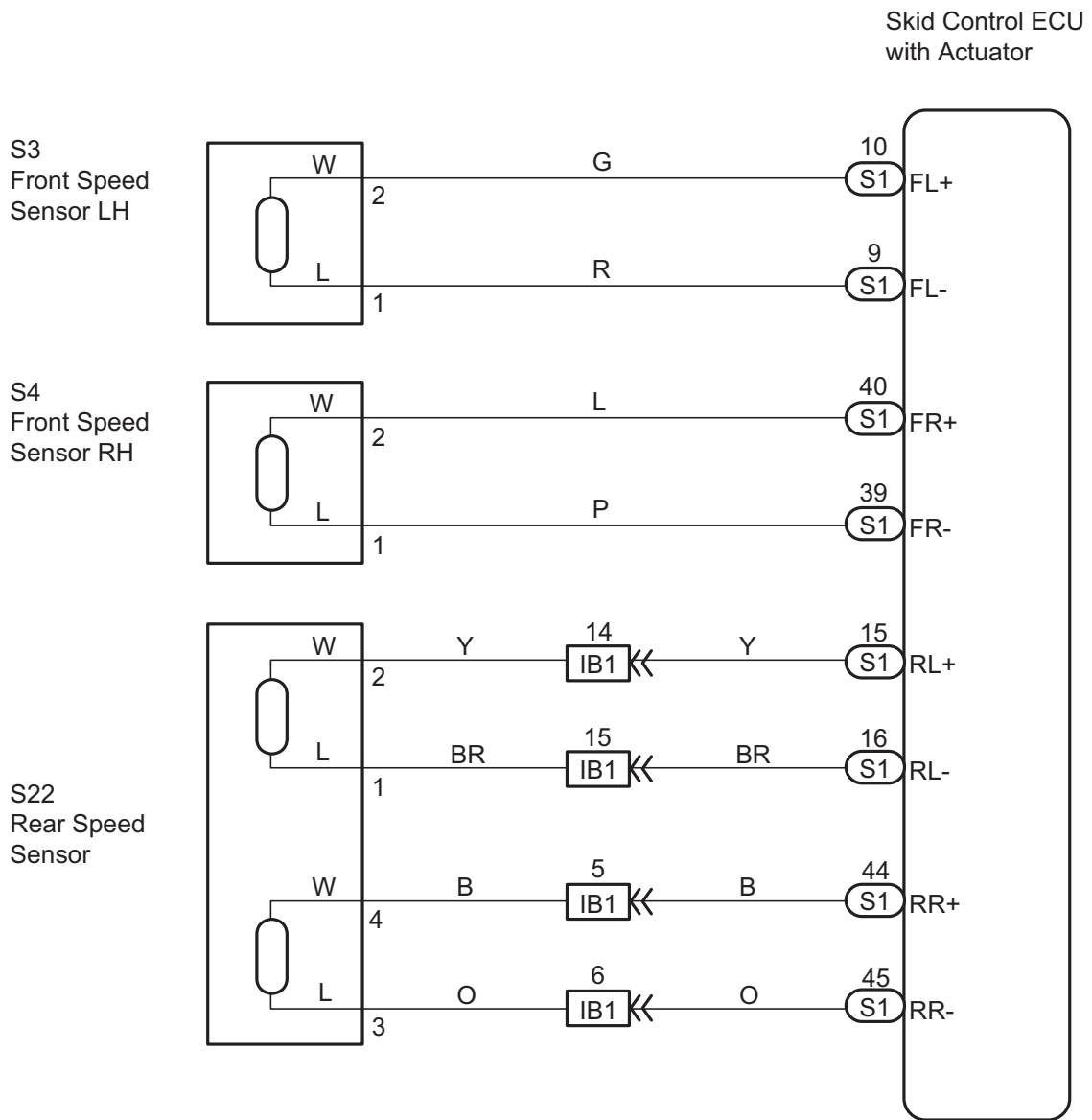
DTC C1235/35 relates to the front right speed sensor.

DTC C1236/36 relates to the front left speed sensor.

DTC C1238/38 relates to the rear right speed sensor.

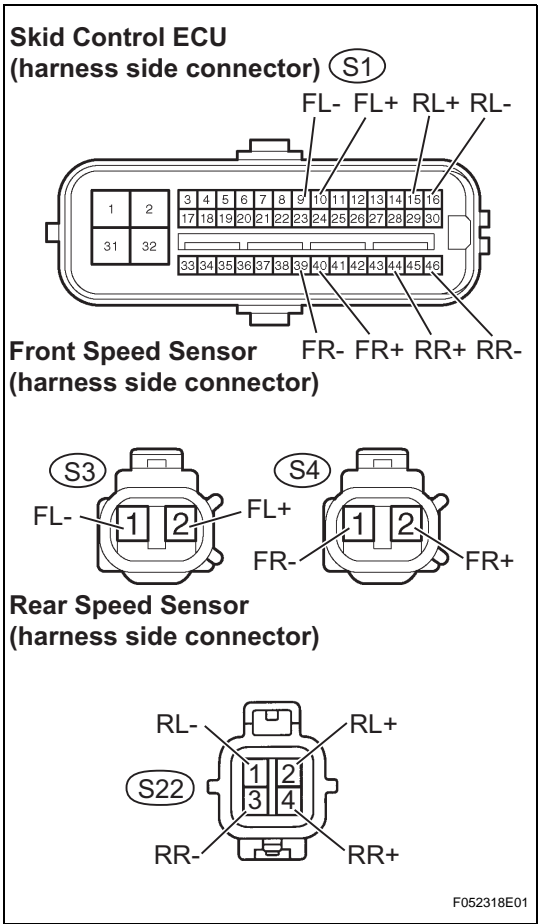
DTC C1239/39 relates to the rear left speed sensor.

WIRING DIAGRAM



BC

1 CHECK HARNESS AND CONNECTOR (SKID CONTROL ECU - SPEED SENSOR)



- (a) Disconnect the skid control ECU connector.
- (b) Disconnect the speed sensor connectors.
- (c) Measure the resistance.

Standard Resistance

Tester Connection	Specified Condition
S1-10 (FL+) - S3-2 (FL+)	Below 1 Ω
S1-9 (FL-) - S3-1 (FL-)	Below 1 Ω
S1-40 (FR+) - S4-2 (FR+)	Below 1 Ω
S1-39 (FR-) - S4-1 (FR-)	Below 1 Ω
S1-15 (RL+) - S22-2 (RL+)	Below 1 Ω
S1-16 (RL-) - S22-1 (RL-)	Below 1 Ω
S1-44 (RR+) - S22-4 (RR+)	Below 1 Ω
S1-45 (RR-) - S22-3 (RR-)	Below 1 Ω

- (d) Measure the resistance.

Standard Resistance

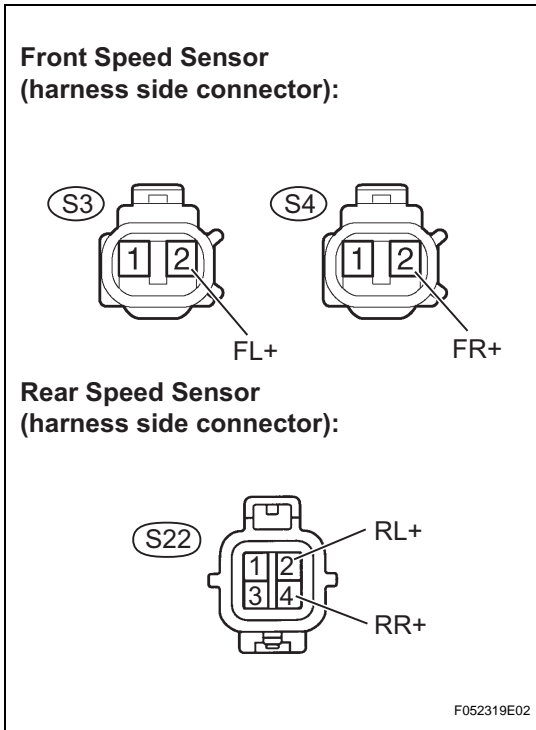
Tester Connection	Specified Condition
S1-10 (FL+) - Body ground	10 kΩ or higher
S1-9 (FL-) - Body ground	10 kΩ or higher
S1-40 (FR+) - Body ground	10 kΩ or higher
S1-39 (FR-) - Body ground	10 kΩ or higher
S1-15 (RL+) - Body ground	10 kΩ or higher
S1-16 (RL-) - Body ground	10 kΩ or higher
S1-44 (RR+) - Body ground	10 kΩ or higher
S1-45 (RR-) - Body ground	10 kΩ or higher

- (e) Reconnect the speed sensor connectors.
- (f) Reconnect the skid control ECU connector.

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

2 INSPECT MASTER CYLINDER SOLENOID (TERMINAL VOLTAGE)



- (a) Disconnect the speed sensor connectors.
 - (b) Turn the ignition switch to the ON position.
 - (c) Measure the voltage.
- Standard Voltage**

Tester Connection	Specified Condition
S3-2 (FL+) - Body ground	7.5 to 12 V
S4-2 (FR+) - Body ground	7.5 to 12 V
S22-2 (RL+) - Body ground	7.5 to 12 V
S22-4 (RR+) - Body ground	7.5 to 12 V

- (d) Turn the ignition switch to OFF.
- (e) Reconnect the speed sensor connectors.

NG → **REPLACE MASTER CYLINDER SOLENOID**

OK

3 RECONFIRM DTC

BC

- (a) Clear the DTCs (See page BC-118).
- (b) Check if the same DTCs are recorded.

Result	Proceed to
DTC output	A
DTC not output	B

B → **CHECK FOR SHORTS IN ALL HARNESSES AND CONNECTORS CONNECTED TO FUSE AND REPLACE FUSE**

A

4 INSPECT SPEED SENSOR

- (a) Remove the speed sensor (See page BC-303 or BC-304).
- (b) Check the sensor tip.

OK:

No scratches or foreign matter on the sensor tip.

NG → **CLEAN OR REPLACE SPEED SENSOR**

OK

CLEAN OR REPLACE SPEED SENSOR