DTC	C0210/33	Right Rear Wheel Speed Sensor Signal Mal- function
DTC	C0215/34	Left Rear Wheel Speed Sensor Signal Malfunc- tion
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

Refer to DTCs C0200/31, C0205/32, C1235/35 and C1236/36.

DTC No.	DTC Detection Condition	Trouble Area
C0210/33 C0215/34	<ul> <li>When one of following occurs</li> <li>With vehicle speed at 10 km/h (6 mph) or more, sensor signal circuit of faulty wheel is open or short for 1 second or more</li> <li>Momentary interruption of sensor signal of faulty wheel has occurred 7 times or more</li> <li>Sensor signal circuit is open for 0.5 seconds or more</li> </ul>	<ul> <li>Rear speed sensor</li> <li>Rear speed sensor circuit</li> <li>Speed sensor rotor</li> </ul>
C1238/38 C1239/39	At vehicle speed of 20 km/h (12 mph) or more, condition that noise is included in speed sensor signal continues for 5 seconds or more	<ul><li>Rear speed sensor</li><li>Rear speed sensor circuit</li></ul>

HINT:

- DTCs C0210/33 and C1233/38 are for the rear speed sensor RH.
- DTCs C0215/34 and C1239/39 are for the rear speed sensor LH.

#### BC-36

#### WIRING DIAGRAM



1	CHOOSE DIAGNOSIS METHOD		
		(a) Choose the diagnosis me Method	thod.
		Method Proceed to	
		Using intelligent tester	A
		Not using intelligent tester	В
A		B Go to ste	əp 4

#### 2 READ VALUE OF INTELLIGENT TESTER (REAR SPEED SENSOR)

(a) Check the DATA LIST for proper functioning of the rear speed sensor.

# BC Skid control ECU with actuator

Item	Measurement Item / Range (Display)	Normal Condition	Diagnostic Note
WHEEL SPD RR	Wheel speed sensor (RR) reading / min.: 0 km/h (0 mph), max.: 326 km/h (202 mph)	Actual wheel speed	Speed similar to that of speedometer
WHEEL SPD RL	Wheel speed sensor (RL) reading / min.: 0 km/h (0 mph), max.: 326 km/h (202 mph)	Actual wheel speed	Speed similar to that of speedometer

OK:

There is almost no difference between actual wheel speed and displayed speed value.

	NG	Go to ste	ep 4
ОК			
3 CHECK IF DTC OUTPUT RECU	RS		
	<ul> <li>(a) Clear the DTCs (see page BC-16).</li> <li>(b) Drive the vehicle at approximately 32 km/h (20 mph) or more for 60 seconds or more.</li> <li>(c) Check for DTCs (see page BC-16). Result</li> </ul>		
	Result		Proceed to
	DTC is output		A
	DTC is not out	put	В
	HINT: When re perform	eplacing the skid c the zero point cal END	control ECU with actuator, ibration (see page <mark>BC-11</mark> ).
REPLACE BRAKE ACTUATOR ASSEM	BLY		
4 INSPECT REAR SPEED SENSC	)R		
	<ul> <li>(a) Disconnect the A15 and A16 sensor connectors.</li> <li>(b) Measure the resistance of the speed sensors.</li> <li>Standard resistance: LH</li> </ul>		
	Tester Connect	tion	Specified Condition
	1 (RL-) - 2 (FL+	)	1.0 to 1.4 kΩ at 20°C
	1 (RL-) - Body	ground	10 k $\Omega$ or higher
	2 (RL+) - Body	ground	
Υ <u>F041836E10</u>	RH		
	Tester Connect	tion	Specified Condition
	1 (RR-) - 2 (RR-	+)	1.0 to 1.4 kΩ at 20°C

Ο	ſ	
D		ו

HINT:

1 (RR-) - Body ground

2 (RR+) - Body ground

Check the speed sensor signal after the speed sensor replacement (see page BC-7).

10 k $\Omega$  or higher

NG

ΟΚ

## REPLACE REAR SPEED SENSOR

BC-37

B(



**OK**:

No scratches or foreign objects on the sensor tip. HINT:

Check the speed sensor signal after replacement (see page  $\ensuremath{\mathsf{BC-7}}$  )

