DTC	C1776/76	Speed Sensor Circuit
DTC	C1784/84	Right Rear Speed Sensor Circuit
DTC	C1785/85	Left Rear Speed Sensor Circuit

DESCRIPTION

The speed sensor monitors the speed of a wheel, and sends an appropriate speed signal to the suspension control ECU through the brake actuator assembly (skid control ECU).

If trouble occurs in the either right rear speed sensor or left rear speed sensor, the DTC (C1776/76) is output. When inspecting by test mode, the suspension control ECU scans changes of the signals. If there is no change, it outputs the test DTC (C1784/84, C1785/85).

DTC No.	DTC Detecting Condition	Trouble Area		
C1776/76	Speed sensor circuit malfunction.	 Speed sensor Speed sensor circuit Brake actuator assembly (Skid control ECU) Suspension control ECU 		

HINT:

When DTC C1784/84 and C1785/85 are output, follow the same procedure as DTC 1776/76.

WIRING DIAGRAM



HINT:

Start the inspection from step 1 when using the intelligent tester, and start from step 2 when not using the intelligent tester.

1 READ VALUE OF INTELLIGENT TESTER

- (b) Turn the ignition switch to the ON position, and push the intelligent d tester main switch on.
- (c) Select the item below in the DATA LIST, and read its value displayed on the intelligent tester.

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Item	Nor	Normal Condition					
RR WHEEL SPD	Actual right rear wheel speed						
RL WHEEL SPD	Actual left rear wheel speed						
	(d) Cha value inte spe OK T S HIN The ind	Check that there is no difference between the speed value output from the speed sensor displayed on the intelligent tester and the speed value displayed on the speedometer when driving the vehicle. OK: There is almost no difference in the displayed speed values. HINT: There is tolerance of +- 10 % in the speedometer indication.					
	NG	So to ste	ep 2				
ΟΚ							
REPLACE SUSPENSION CONTROL ECU							
2 CHECK CIRCUIT INDICATED BY OUTPUT CODE							
 (a) Check if the normal code is output by VSC system (See page BC-3). OK: No DTC output from VSC system. 							
	NG	> REPAIR DTC OU	ГРИТ				
ΟΚ							
3 CHECK HARNESS AND CONNECTOR (SUSPENSION CONTROL ECU - BRAKE ACTUATOR ASSEMBLY)							
Suspension Control ECU Wire Harness Side:	 a) Disconnect the suspension control ECU S16 connector. b) Disconnect the brake actuator assembly S1 connector. c) Measure the resistance according to the values in the table below. Resistance 						
		Tester Connection	Specified Condition				
	S16	-8 (FLO) - S1-40 (RLO)	Below 1 Ω				
	S16-	?9 (FRO) - S1-39 (RRO)	Below 1 Ω				
FLU F045523E17	S16	8 (FLO) - Body ground	10 kΩ or higher				
	S16	9 (FRO) - Body ground	10 k Ω or higher				

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