

DTC	C1794/94	RIGHT FRONT SPEED SENSOR CIRCUIT
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The speed sensor detects the wheel speed and transmits the appropriate vehicle speed signal to the absorber ECU through the skid control ECU assy.

DTC No.	DTC Detecting Condition	Trouble Area
C1776/76	Right front speed sensor circuit malfunction	• Right front speed sensor • Right front speed sensor circuit
C1794/94	Right front speed signal 20 km/h (12 mph) or more	• Skid control ECU assy • Absorber control ECU

Wiring diagram for the ABS system:

- Skid Control ECU Assy (Top Left):** FRO (13) S7.
 - GR-R (*1) to a junction point.
- Skid Control ECU Assy (Bottom Left):** FRO (20) S1.
 - GR-R (*2) to a junction point.
- Junction Point:**
 - GR-R (*2) to IF8 (3).
- IF8 (3):**
 - GR-R to J5 J/C (B).
- J5 J/C (B):**
 - GR-R to IF2 (17).
- IF2 (17):**
 - GR-R to A22 (25).
- Absorber Control ECU (Right):** FRO (25) A22.

Notes:

- *1: w/ VSC
- *2: w/o VSC

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INSPECTION PROCEDURE

HINT:

Start the inspection from the step 1 in case of using hand-held tester and start from step 2 in case of not using hand-held tester.

1 READ VALUE OF HAND-HELD TESTER

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch to ON and turn the hand-held tester main switch to ON.
- (c) Select the item "WHEEL SPD FR" in the DATA LIST and read its value displayed on the hand-held tester.
- (d) Check that there is no difference between the speed value output from the speed sensor displayed by the hand-held tester and the speed value displayed by the speedometer when driving the vehicle.

OK:

There is almost no difference in the displayed speed value.

HINT:

There is tolerance of $\pm 10\%$ in the speedometer indication.

OK

CHECK AND REPLACE ABSORBER CONTROL ECU(See page 01-31)

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2 CHECK DIAGNOSTIC CODE OUTPUT

- (a) Check that DTC for ABS output the normal code.

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REPAIR CIRCUIT INDICATED BY OUTPUT CODE

OK

3 CHECK HARNESS OR CONNECTOR(ABSORBER CONTROL ECU - SKID CONTROL ECU ASSY)

- (a) Check for open and short circuit in harness and connector between absorber control ECU and skid control ECU assy (See page 01-31).

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

CHECK AND REPLACE ABSORBER CONTROL ECU(See page 01-31)