DTC	C1776	SPEED SENSOR CIRCUIT

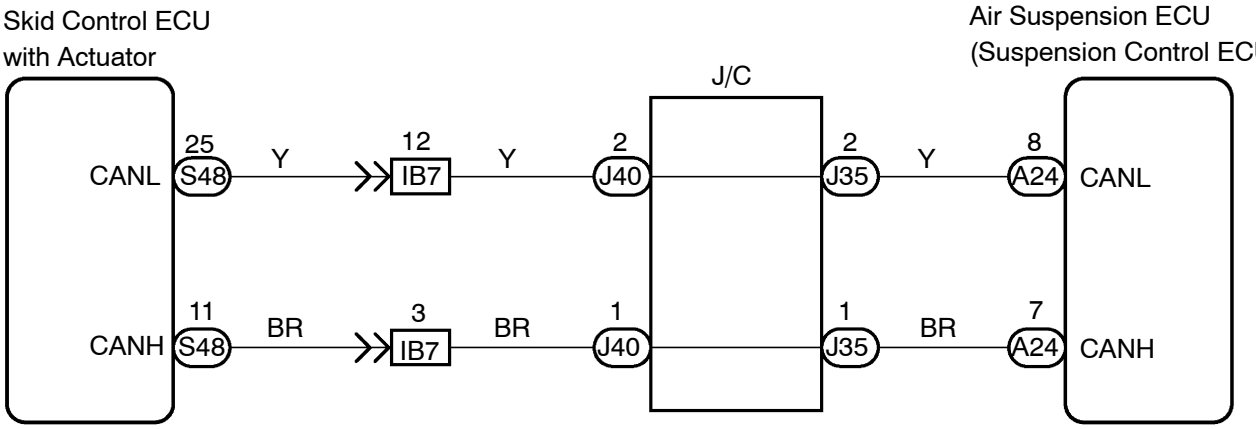
CIRCUIT DESCRIPTION

The speed sensors monitor the speed of the wheels, and send appropriate speed signals to the suspension control ECU through the brake actuator assy (skid control ECU).
If trouble occurs in either the right rear speed sensor or left rear speed sensor, DTC (C1776) is output.

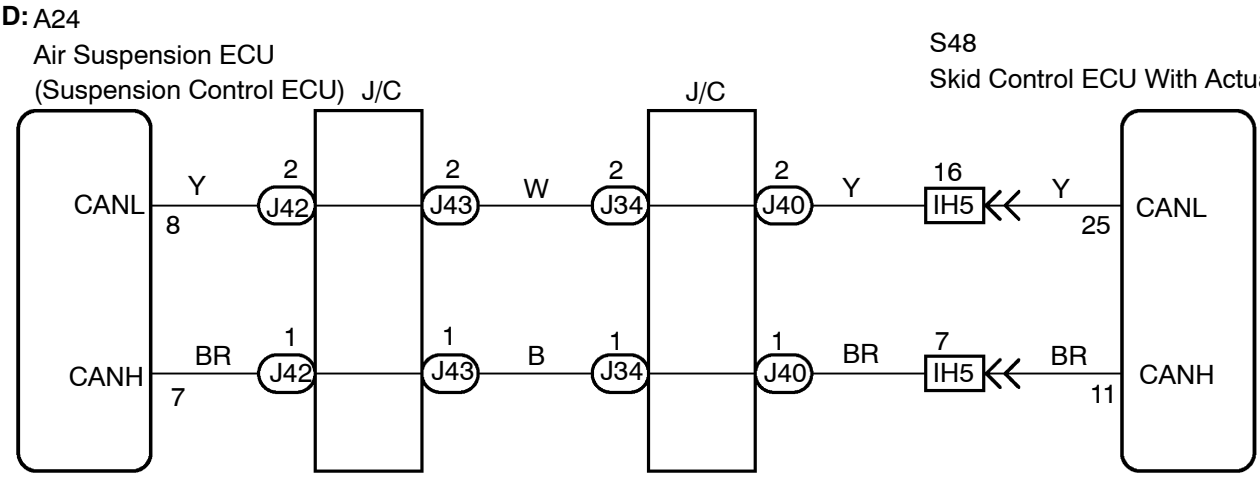
DTC No.	DTC Detecting Condition	Trouble Area
C1776	Speed sensor circuit malfunction for 1 second or more.	• Speed sensor • Speed sensor circuit • Skid control ECU with actuator • Suspension control ECU

WIRING DIAGRAM

LHD:



RHD:



INSPECTION PROCEDURE

1 READ VALUE ON INTELLIGENT TESTER II

(a) Connect the the intelligent tester II to the DLC3.
(b) Turn the ignition switch to the ON position and turn the intelligent tester II main switch on.
(c) Select the item below in the DATA LIST and read its value displayed on the intelligent tester II.

AIRSUS:

Item	Normal Condition
WHEEL SPD FR	Actual vehicle speed

(d) Check that there is no difference between the speed value output from the speed sensor displayed on the intelligent tester II 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 → **Go to step 2**

OK →

REPLACE SUSPENSION CONTROL ECU (SEE PAGE 25–20)

2 CHECK DIAGNOSTIC CODE OUTPUT

(a) Check if the normal system code is output in the VSC system (see page 05–400).

OK:

No DTC is output in the VSC system.

NG → **REPAIR CIRCUIT INDICATED BY OUTPUT CODE**

OK →

3 CHECK DIAGNOSTIC CODE OUTPUT

(a) Check if the normal system code is output in the CAN communication system (see page 05–3306).

OK:

No DTC is output in the CAN communication system.

NG → **REPAIR CIRCUIT INDICATED BY OUTPUT CODE**

OK →

REPLACE SUSPENSION CONTROL ECU (SEE PAGE 25–20)