

|            |                 |                             |
|------------|-----------------|-----------------------------|
| <b>DTC</b> | <b>C1776/76</b> | <b>SPEED SENSOR CIRCUIT</b> |
|------------|-----------------|-----------------------------|

|            |                 |   |
|------------|-----------------|---|
| <b>DTC</b> | <b>C1794/94</b> | <b>RIGHT FRONT SPEED SENSOR CIRCUIT</b> |
|------------|-----------------|---|

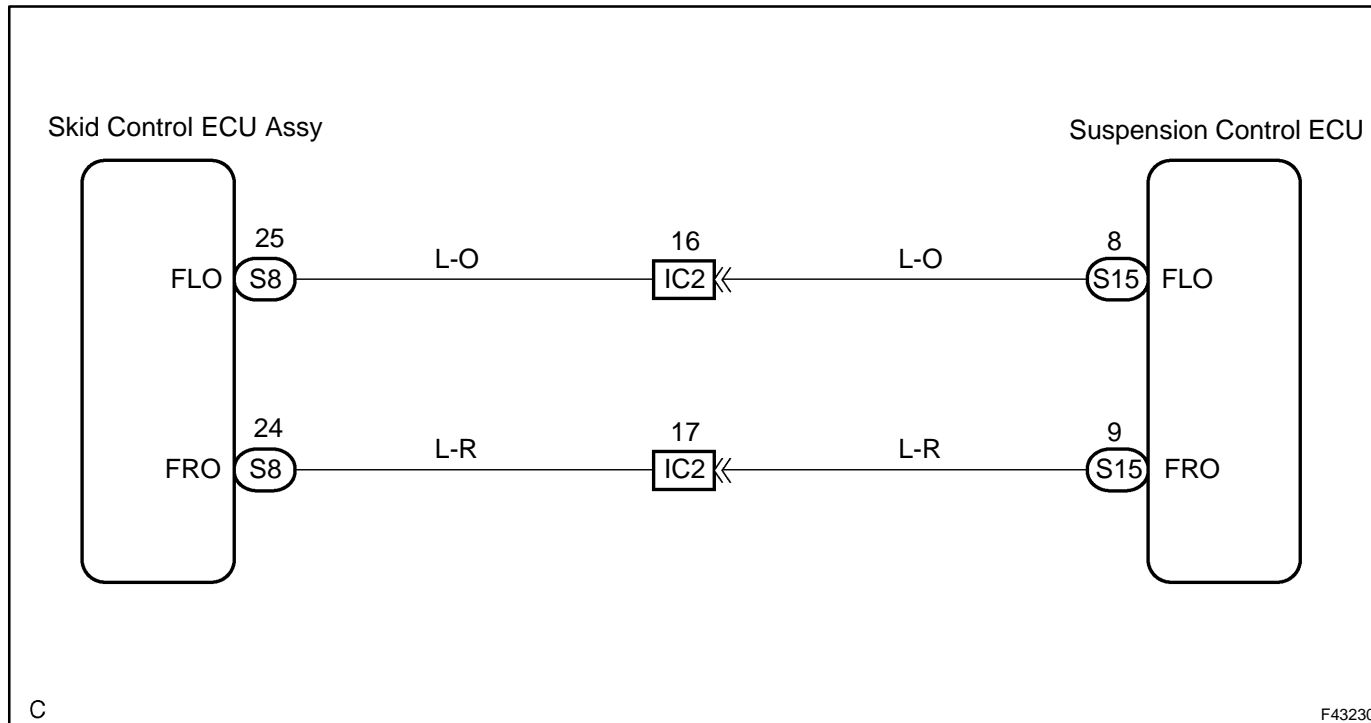
|            |                 |  |
|------------|-----------------|--|
| <b>DTC</b> | <b>C1795/95</b> | <b>LEFT FRONT SPEED SENSOR CIRCUIT</b> |
|------------|-----------------|--|

## CIRCUIT DESCRIPTION

The speed sensor detects the wheel speed, and transmits the appropriate vehicle speed signal to the suspension control ECU through the skid control ECU assy.

| DTC No.  | DTC Detecting Condition                            | Trouble Area  |
|----------|--|---|
| C1776/76 | Speed sensor circuit malfunction.                  | <ul style="list-style-type: none"> <li>• Speed sensor</li> <li>• Speed sensor circuit</li> <li>• Skid control ECU assy</li> <li>• Suspension control ECU</li> </ul>                             |
| C1794/94 | Right front speed signal 20 km/h (12 mph) or more. | <ul style="list-style-type: none"> <li>• Right front speed sensor</li> <li>• Right front speed sensor circuit</li> <li>• Skid control ECU assy</li> <li>• Suspension control ECU</li> </ul>     |
| C1795/95 | Left front speed signal 20 km/h (12 mph) or more.  | <ul style="list-style-type: none"> <li>• Left front speed sensor</li> <li>• Left front speed speed sensor circuit</li> <li>• Skid control ECU assy</li> <li>• Suspension control ECU</li> </ul> |

## WIRING DIAGRAM



## INSPECTION PROCEDURE

### HINT:

Start the inspection from step 1 in case of using the hand-held tester and start from step 2 in case of not using the 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 "VEHICLE SPEED" 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 on the hand-held tester and the speed value displayed on the speedometer when driving the vehicle.

#### Standard:

**There is almost no difference in the displayed speed values.**

### HINT:

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

OK

**CHECK AND REPLACE SUSPENSION CONTROL ECU (See page 01-35 )**

NG

### 2 CHECK DIAGNOSTIC CODE OUTPUT

- (a) Check if the normal code is output by ABS (See page 05-307 ).

NG

**REPAIR CIRCUIT INDICATED BY OUTPUT CODE**

OK

### 3 CHECK HARNESS AND CONNECTOR(SUSPENSION CONTROL ECU - SKID CONTROL ECU ASSY)

- (a) Check for open and short circuit in the harness and the connector between the suspension control ECU and the skid control ECU assy (See page 01-35 ).

NG

**REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

### CHECK AND REPLACE SUSPENSION CONTROL ECU (See page 01-35 )