

D69L-02

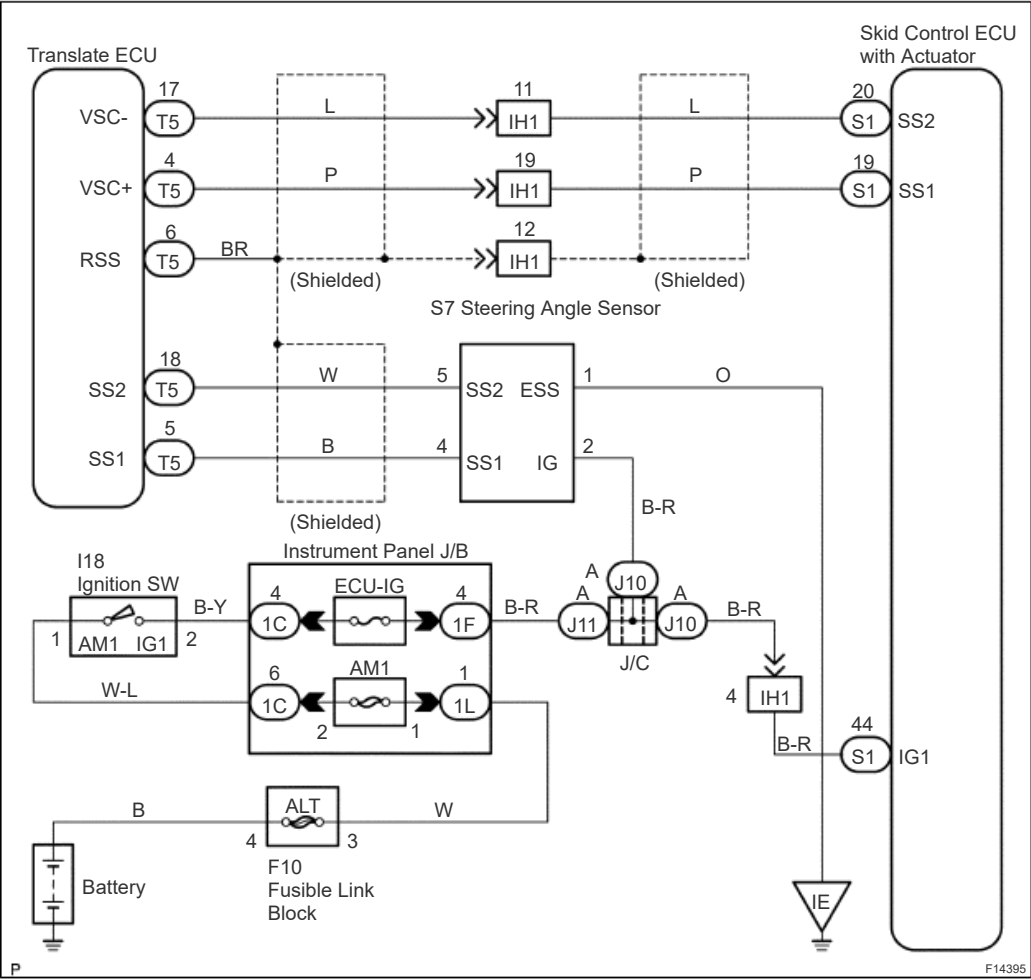
DTC	C1231 / 31	Steering Angle Sensor Circuit
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CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1231 / 31	Data is not transmitted to the steering angle sensor for a fixed time.	<ul style="list-style-type: none">Steering angle sensorSteering angle sensor circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:

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

1 Check output value of the steering angle sensor.

PREPARATION:

- (a) Connect the TOYOTA hand-held tester to the DLC3.
- (b) Turn the ignition switch ON and push the TOYOTA hand-held tester main switch ON.
- (c) Select the DATALIST mode on the TOYOTA hand-held tester.

CHECK:

Check that the steering wheel turning angle value of the steering angle sensor displayed on the TOYOTA hand-held tester is appropriate when turning the steering wheel.

OK:

Steering wheel turning angle value must be appropriate.

OK

Go to step [4](#).

NG

2 Check the installation condition of steering angle sensor.

NG

Repair or replace steering angle sensor (See page [SR-14](#)).

NOTICE:

When replacing the steering angle sensor, perform the zero point calibration (See page [DI-233](#)).

OK

3 Check for open and short circuit in harness and connector between steering angle sensor, transverse ECU and skid control ECU (See page [IN-32](#)).

NG

Repair or replace harness or connector.

OK

4 Calibrate the steering angle sensor (See page [DI-233](#)).

NG

Replace steering angle sensor (See page [SR-14](#)).

NOTICE:

When replacing the steering angle sensor, perform the zero point calibration (See page [DI-233](#)).

OK

5 Is DTC still output?

Check DTC on page [DI-233](#).

NO

No problem.

YES

6 Replace steering angle sensor. Is DTC still output?

NOTICE:

When replacing the steering angle sensor, perform the zero point calibration (See page [DI-233](#)).

NO

No problem.

YES

Replace skid control ECU.

NOTICE:

When replacing the skid control ECU, perform the zero point calibration (See page [DI-233](#)).

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