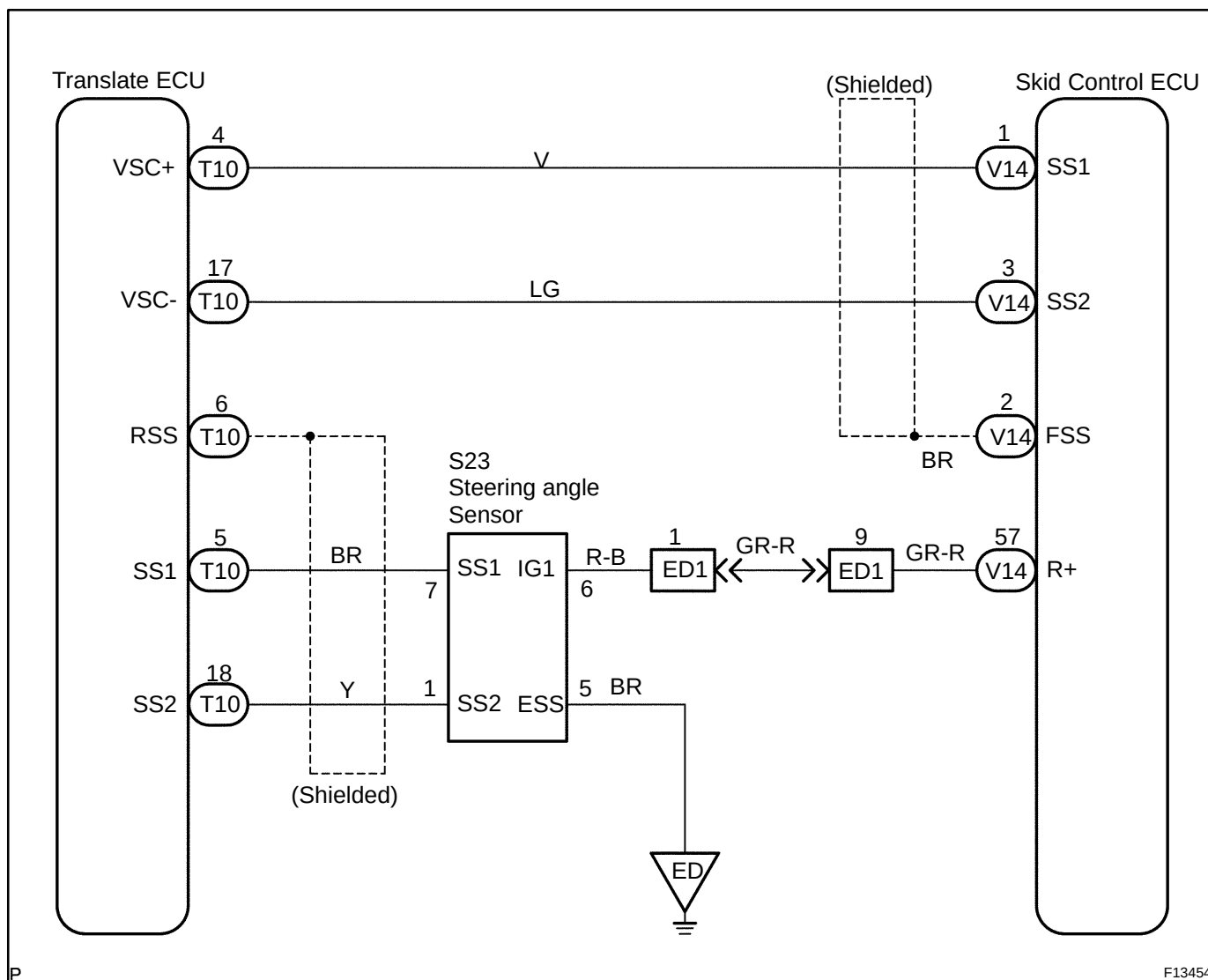


DTC	C1208 / 54	Steering Angle Sensor Circuit
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CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1208 / 54	Detection of any of conditions 1. through 7: 1. When the condition that ECU terminal IG1 voltage is 9.8 V or more, and does not receive data from steering angle sensor continues for 0.1 sec. or more. 2. Sensor internal failure. 3. The offset value is out of range. 4. Sensor signal change higher. 5. Steering angle value difference between measured and reference is out of range. 6. Steering angle sensor is not centered. 7. Steering sensor signal is out of range.	- Steering angle sensor - Steering angle sensor circuit

WIRING DIAGRAM



P

F13454

INSPECTION PROCEDURE

HINT:

Start the inspection from step 1 in case of using the TOYOTA hand-held tester and start from step 3 in case of not using the TOYOTA hand-held tester.

1	Check output value of the steering angle sensor.
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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 5.

NG

2	Check the steering angle sensor zero point.
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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 whether steering angle sensor value is nearly equal to 0 degree when steering wheel is adjusted to neutral.

NG

Calibrate the steering angle sensor zero point (See page [DI-259](#)).

OK

3 Check the installation condition of steering angle sensor.

NG

Repair or replace steering angle sensor (See page [SR-11](#)).

OK

4 Check for open and short circuit in harness and connector between steering angle sensor, translate ECU and skid control ECU (See page [IN-31](#)).

NG

Repair or replace harness or connector.

OK

5 Calibrate the steering angle sensor (See page [DI-259](#)).

NG

Replace steering angle sensor.

OK

6 Is DTC still output?

Check DTC on page [DI-259](#) .

NO

No problem.

YES

