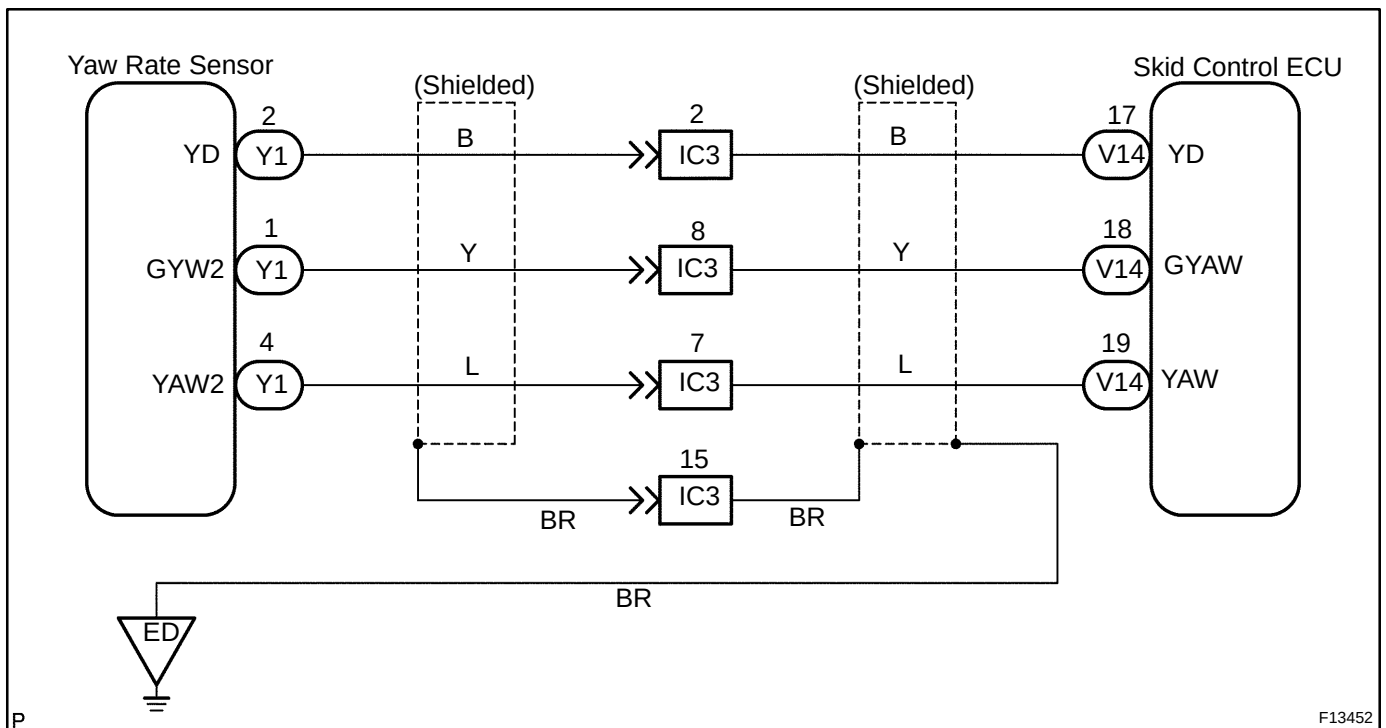


DTC	C0371 / 55	Yaw Rate Sensor Circuit
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CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C0371 / 55	Detection of any of conditions from 1. through 4.: 1. The voltage of sensor signal is out of range. 2. The offset value of sensor signal is outside the plausible range. 3. Sensor signal change rapidly under normal driving. 4. Sensor is more or worse sensitivity than reference yaw rate during cornering.	• Yaw rate sensor • Yaw rate sensor circuit

WIRING DIAGRAM



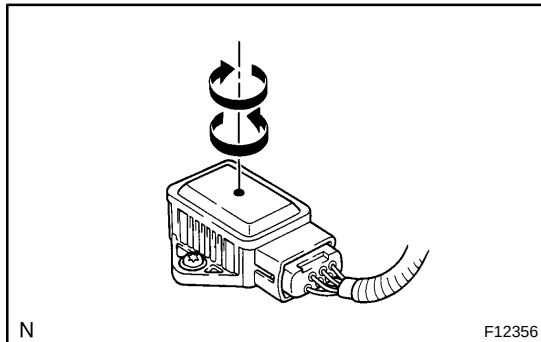
F13452

INSPECTION PROCEDURE

HINT:

Start the inspection from step 1 in case of using the TOYOTA hand-held tester and start from step 4 in case of not using the TOYOTA hand-held tester.

1 Check output value of the yaw rate sensor.



PREPARATION:

- Remove the 2 nuts and yaw rate sensor with connector still connected.
- Connect the TOYOTA hand-held tester to the DLC3.
- Turn the ignition switch ON and push the TOYOTA hand-held tester main switch ON.
- Select the DATALIST mode on the TOYOTA hand-held tester.

CHECK:

Check that the yaw rate value of the yaw rate sensor displayed on the TOYOTA hand-held tester is changing: Place the yaw rate sensor vertically to the ground and turn the sensor pivoted on its center.

OK:

Yaw rate value must be changing.

NG

Go to step 4.

OK

2 Check the steering angle sensor zero point.

PREPARATION:

- Connect the TOYOTA hand-held tester to the DLC3.
- Turn the ignition switch ON and push the TOYOTA hand-held tester main switch ON.
- 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 whether continuity exists between terminal YD of yaw rate sensor and terminal YD of skid control ECU.**

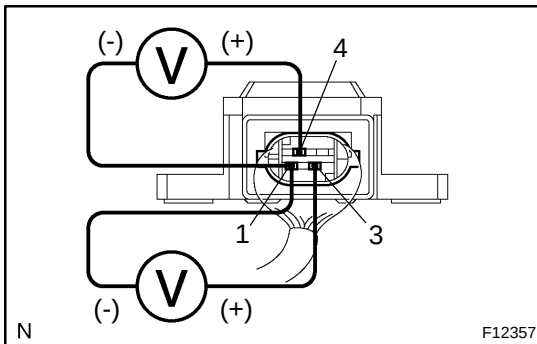
NG

Repair or replace harness or connector.

OK

Check and replace skid control ECU.

- 4 Check yaw rate sensor.**



CHECK:

- Turn the ignition switch ON.
- Measure the voltage between terminals IGA (3) and GYW2 (1), YAW2 (4) and GYW2 (1) of the yaw rate sensor with connector still connected.

OK:

Terminals 3 and 1 (IGA - GYW2)	Approx. 12 V
Terminals 4 and 1 (YAW2 - GYW2)	Approx. 2.5 V

NG

Replace yaw rate sensor.

OK

- 5 Check for open and short circuit in harness and connector between yaw rate sensor and skid control ECU (See page [IN-31](#)).**

NG

Repair or replace harness or connector.

OK

Check and replace skid control ECU.