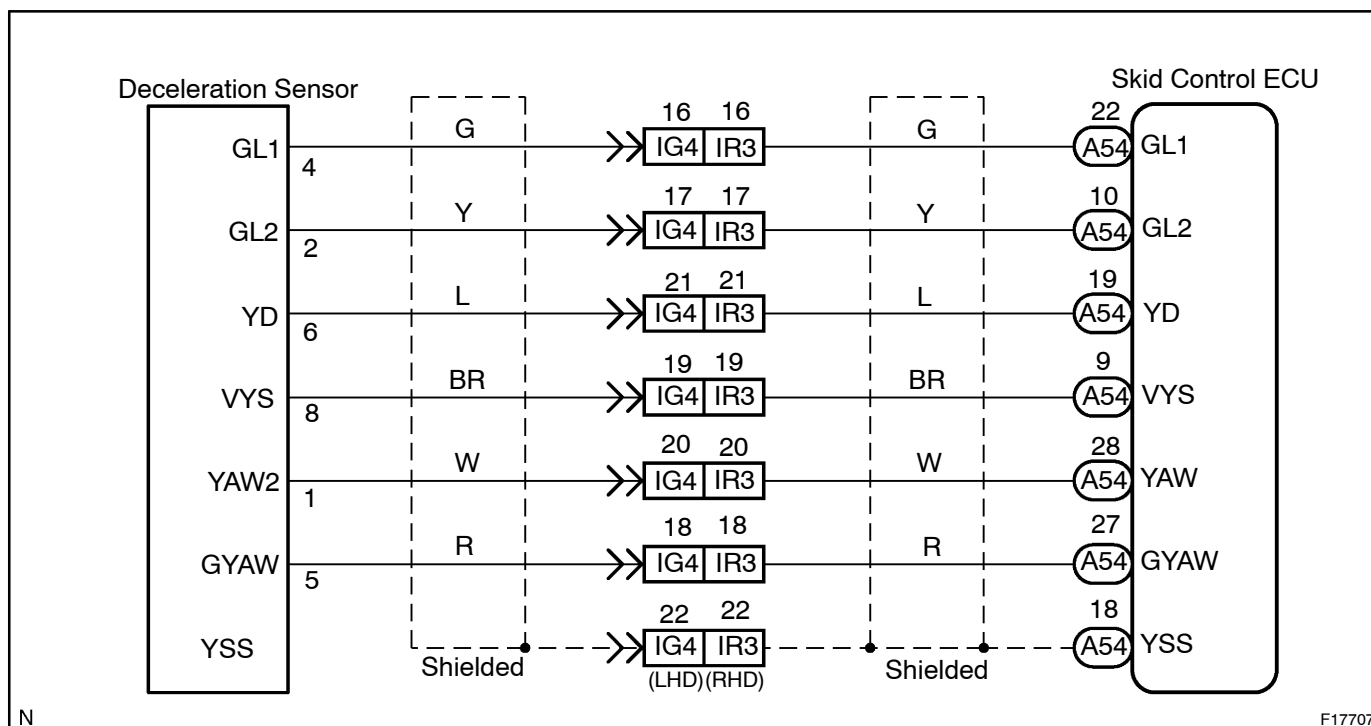


DTC	C1233 / 33, C1234 / 34	Yaw Rate Sensor Circuit
-----	------------------------	-------------------------

CIRCUIT DESCRIPTION

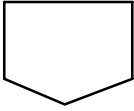
DTC No.	DTC Detecting Condition	Trouble Area
C1233 / 33	When any of the following 1. through 4. is detected: 1. ECU terminal IG1 voltage is 9.5 V to 17.0 V, and the condition that yaw rate sensor voltage is out of the range from 0.25 V to 4.75 V continued for 1 sec. or more. 2. The conditions that yaw rate sensor open detect circuit signal is ON and the voltage of ECU terminal IG1 is 9.5 V to 17 V continued for 1 sec. or more. 3. The conditions that yaw rate sensor power source voltage is out of the range from 4.4 V to 5.6 V and the voltage of ECU terminal IG1 is 9.5 V to 17 V continued for 1 sec. or more. 4. When the condition that yaw rate sensor signal is momentarily open occurs 10 times or more and the voltage of ECU terminal IG1 is 9.5 V to 17 V.	• Yaw rate sensor • Yaw rate sensor circuit
C1234 / 34	Condition 1. or 2. is detected: 1. When the condition that yaw rate sensor VYS terminal voltage is 4.75 V to 5.25 V and YD malfunction signal of yaw rate sensor is ON continued for 5 sec. or more. 2. Shift lever position is in P range and output voltage of yaw rate sensor is out of the range from 2.4 V to 2.6 V or after the difference from zero point calibration voltage of yaw rate sensor has become 0.08 V or more and when the condition that the vehicle speed exceeds more than 15 km/h (9 mph) while output condition of yaw rate sensor has been repeated more than 3 times.	

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Perform zero point calibration of the yaw rate sensor ([See page DI-185](#)).



2 Is DTC still output?

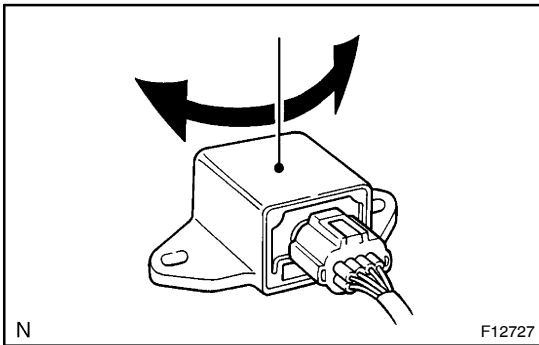
Check DTC on [page DI-185](#).

NO

No problem.

YES

3 Check output value of the yaw rate sensor.



In case of using the hand-held tester:

PREPARATION:

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

CHECK:

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

OK:

Yaw rate value must be changing.

In case of not using the hand-held tester:

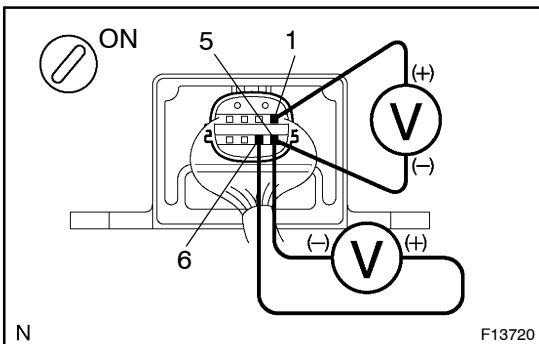
PREPARATION:

- Remove the yaw rate sensor with the connector still connected to it.
- Turn the ignition switch to ON.

CHECK:

Measure voltage between terminals YAW2 (1) – GYAW (5), and terminals YD (6) – GYAW (5) of the yaw rate sensor.

OK:



Terminals 1 and 5 (YAW2 – GYAW)	About 2.42 V – 2.58 V
Terminals 6 and 5 (YD – GYAW)	About 4.5 V – 5.3 V

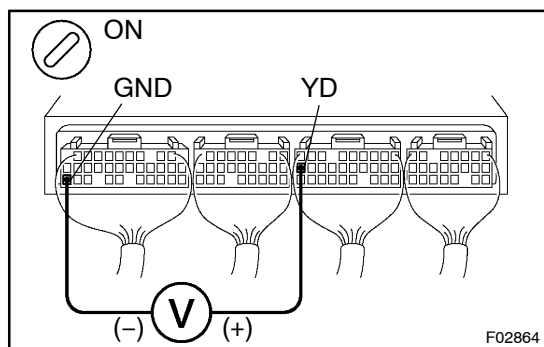
NG

Replace yaw rate sensor.

OK

4

Check voltage between terminals YD and GND of skid control ECU.

**PREPARATION:**

Remove the skid control ECU with the connector still connected.

CHECK:

- (a) Turn the ignition switch to ON.
- (b) Measure voltage between terminals YD and GND of skid control ECU.

OK:

Voltage: 4.5 – 5.3 V

OK

Check and replace skid control ECU.

NG

5

Check for open and short circuit in harness and connector between yaw rate sensor and skid control ECU ([See page IN-38](#)).

NG

Repair or replace harness or connector.

OK

Check and replace skid control ECU.