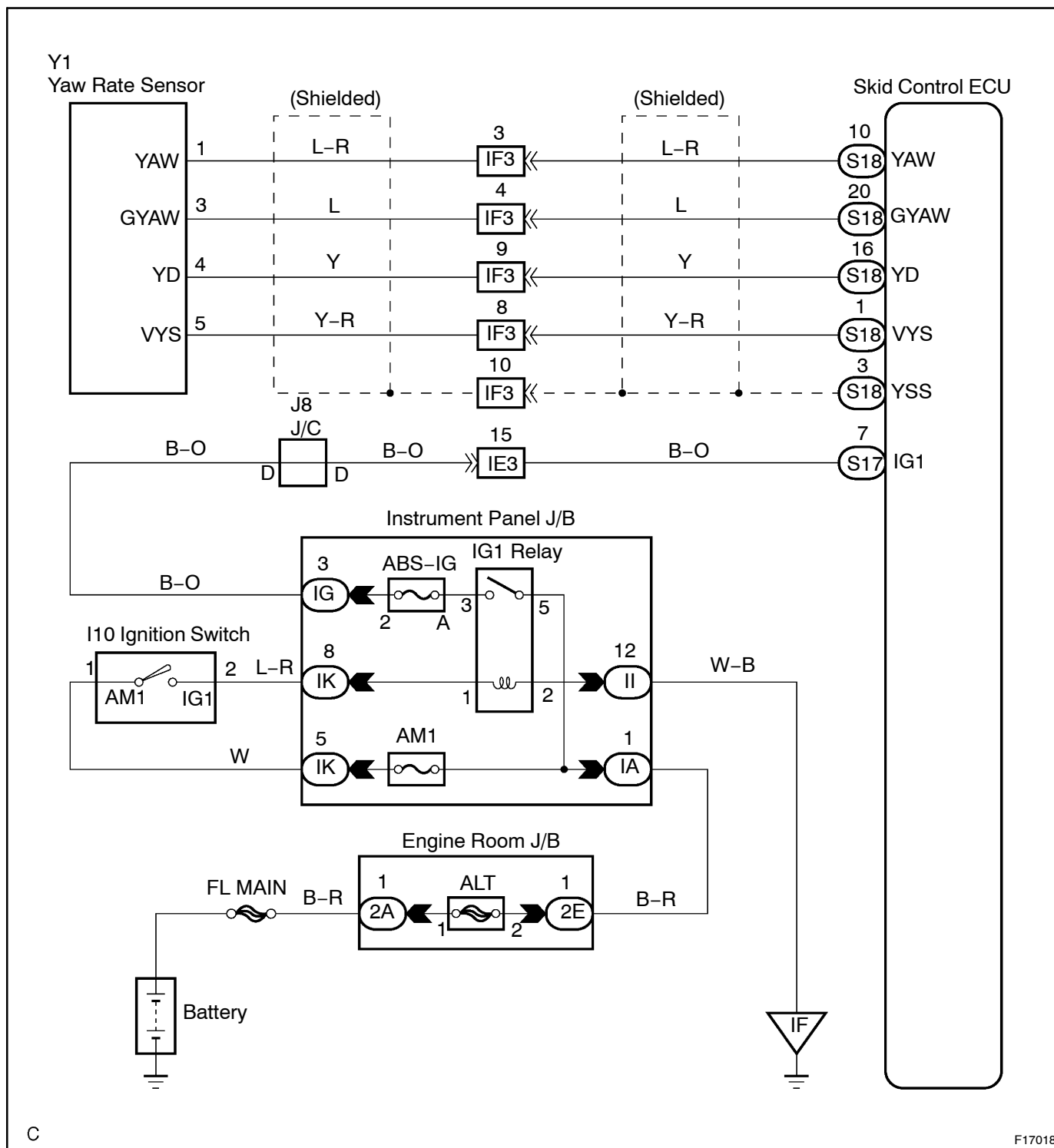


DTC	C1233 / 33, C1234 / 34	Yaw Rate Sensor Circuit
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CIRCUIT DESCRIPTION

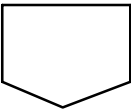
DTC No.	DTC Detecting Condition	Trouble Area
C1233 / 33	Detection of any of conditions 1. through 4.: 1. When the ECU IG1 terminal voltage is 9.5 to 17.2 V, the yaw rate sensor voltage is out of the range from 0.25 to 4.75 V for 1 sec. or more. 2. The yaw rate sensor open circuit detect signal is ON for 1 sec. or more. 3. The yaw rate sensor power source voltage is out of the range from 4.4 to 5.6 V for 1 sec. or more. 4. Momentary open circuit of the yaw rate sensor signal occurs 10 times or more.	• Yaw rate sensor • Yaw rate sensor circuit
C1234 / 34	When the yaw rate sensor VYS terminal voltage is 4.4 to 5.6 V, YD malfunction signal of the yaw rate sensor is ON for 5 sec. or more.	

WIRING DIAGRAM



INSPECTION PROCEDURE

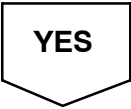
1	Perform zero point calibration of the yaw rate sensor (See page DI-53).
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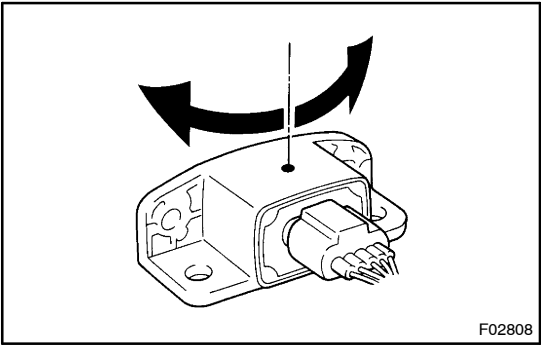
2	Is DTC still output?
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Check DTC on [page DI-53](#).

NO	No problem.
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3	Check output value of the yaw rate sensor.
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In case of using the hand-held tester:

PREPARATION:

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

CHECK:

Check that the yaw rate value of the yaw rate sensor observed in the 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.

(Reference)

When the yaw rate sensor is stationary

output value: ± 4 deg/s

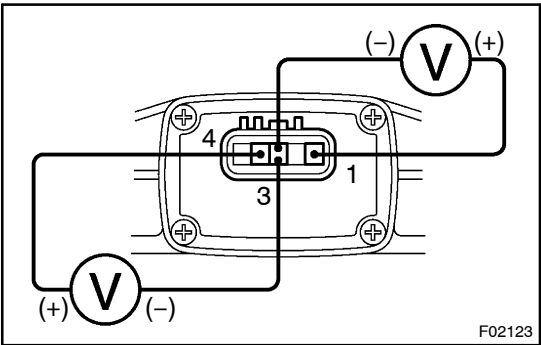
In case of not using the hand-held tester:

PREPARATION:

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

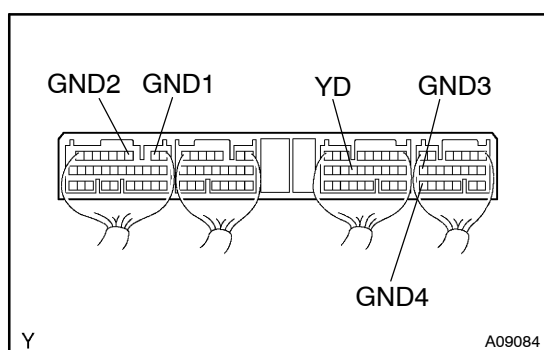
CHECK:

Measure voltage between terminals YAW (1) – GYAW (3), and terminals YD (4) – GYAW (3) of the yaw rate sensor.



OK:

Terminals 1 and 3 (YAW – GYAW)	About 2.42 – 2.58 V
Terminals 4 and 3 (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 to it.

CHECK:

- (a) Turn the ignition switch 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-30](#)).****NG****Repair or replace harness or connector.****OK****Check and replace skid control ECU.**