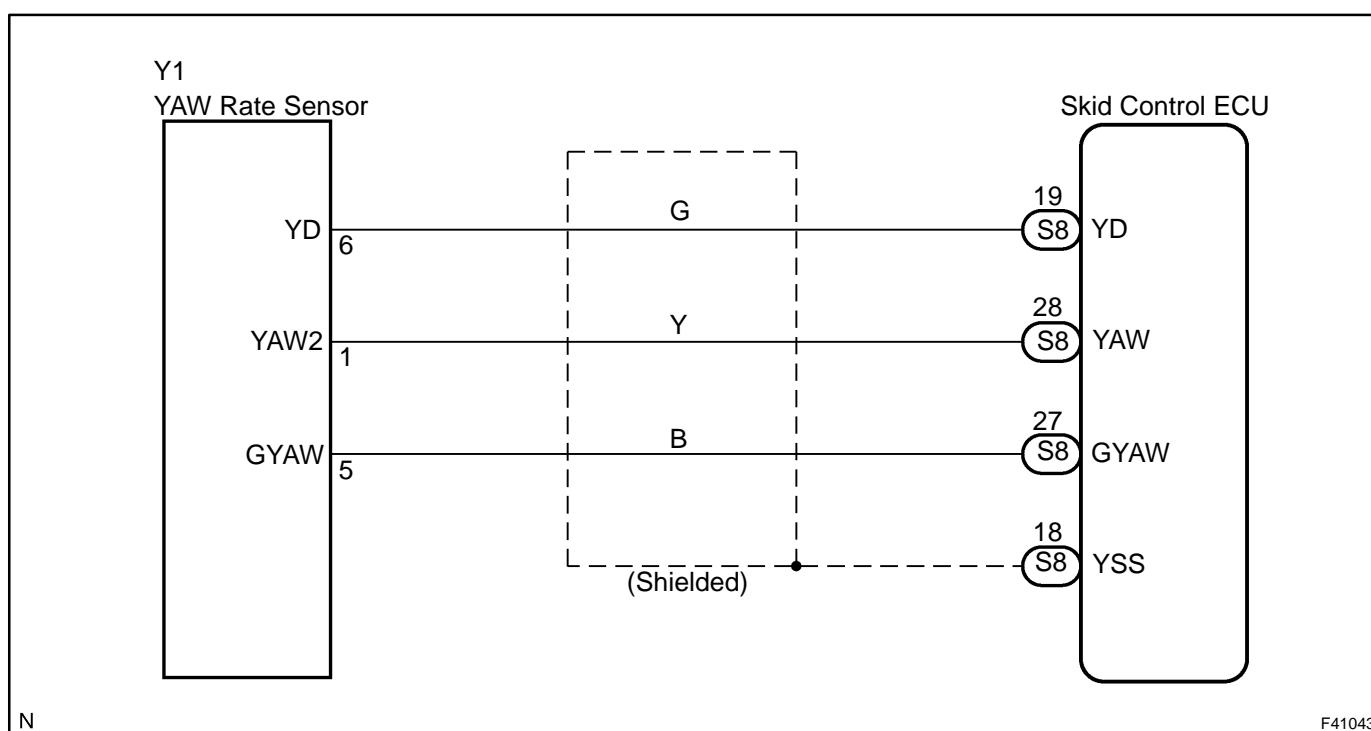


DTC	C1210/36	ZERO POINT CALIBRATION OF YAW RATE SENSOR UNDONE
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CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1210/36	When any of following 1. through 2. is detected: 1. After battery terminal was connected, when the shift lever was moved other than to P range within 15 sec. soon after ECU terminal IG1 become ON for the first time. 2. When the yaw rate sensor zero point recorded in ECU is deleted.	<ul style="list-style-type: none"> • Yaw rate sensor • Yaw rate sensor circuit • Neutral start switch circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

1	PERFORM ZERO POINT CALIBRATION OF YAW RATE SENSOR
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(a) See page [05-307](#) .



2	CHECK RECONFIRM DTC
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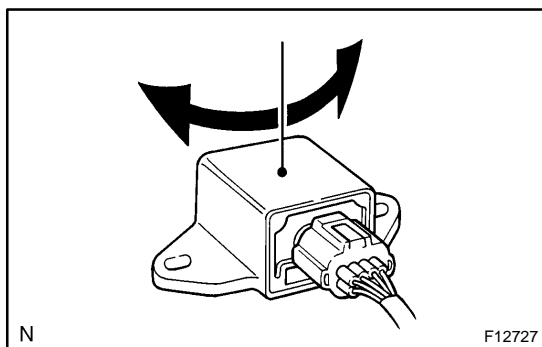
(a) Check if the DTC is output.

NO

NO PROBLEM

YES

3 READ VALUE OF YAWRATE SENSOR



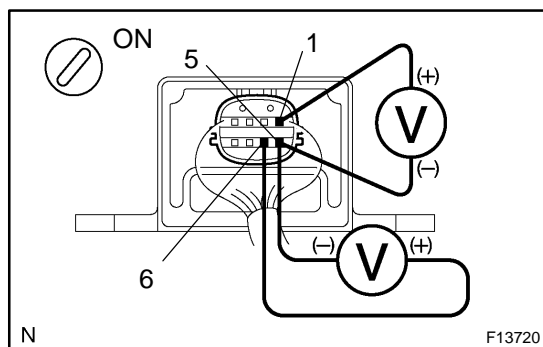
IN CASE OF USING HAND-HELD TESTER:

- Remove the consol box.
- Remove 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 that the yaw rate sensor 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:
 $\pm 4 \text{ deg/s}$



IN CASE OF NOT USING HAND-HELD TESTER:

- Remove the console box then remove the yaw rate sensor with the connector still connected to it.
- Turn the ignition switch ON.
- Measure voltage between terminals YAW2 (1) - GYAW (5), and terminals YD (6) - GYAW (5) of the yaw rate sensor.

OK:

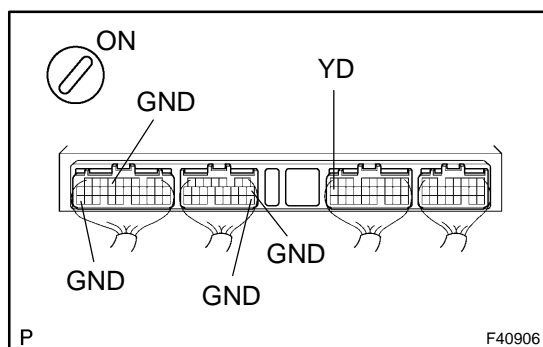
Terminals 1 and 5 (YAW2 - GYAW)	About 2.42 - 2.58 V
terminals 6 and 5 (YD - GYAW)	About 4.5 - 5.3 V

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REPLACE YAWRATE SENSOR

OK

4 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(YD TERMINAL)



- Remove the skid control ECU with the connector still connected to it.
- Turn the ignition switch ON.
- 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 ASSY

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5	CHECK HARNESS AND CONNECTOR(YAW RATE SENSOR - SKID CONTROL ECU)
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- (a) Check for open and short circuit in harness and connector between terminal YD of yaw rate sensor and skid control ECU (See page [01-35](#)).

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REPAIR OR REPLACE HARNESS AND CONNECTOR
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OK

CHECK AND REPLACE SKID CONTROL ECU ASSY
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