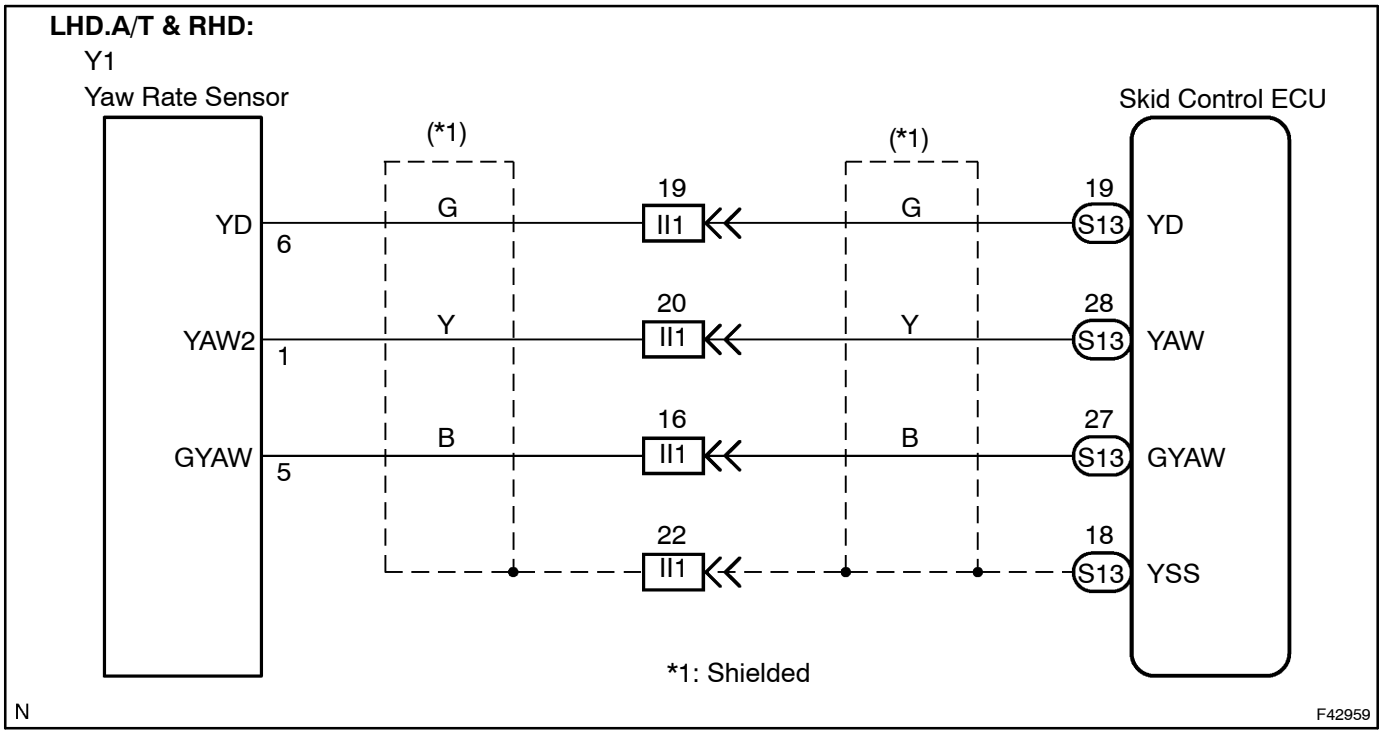
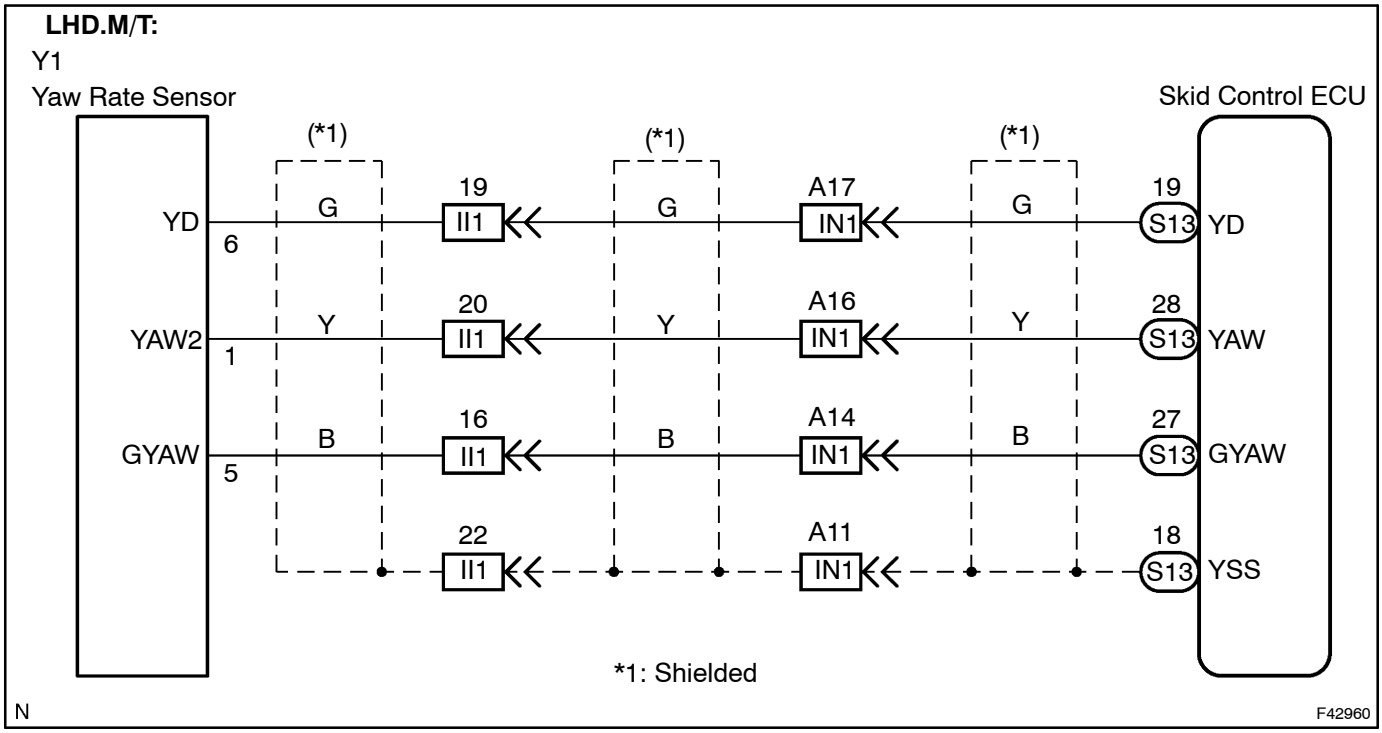
DTC	C1210/36	ZERO POINT CALIBRATION OF YAW RATE SENSOR UNDONE

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.	• Yaw rate sensor • Yaw rate sensor circuit • Neutral start switch circuit

WIRING DIAGRAM





INSPECTION PROCEDURE

1	PERFORM ZERO POINT CALIBRATION OF YAW RATE SENSOR

(a) See page 05–730.

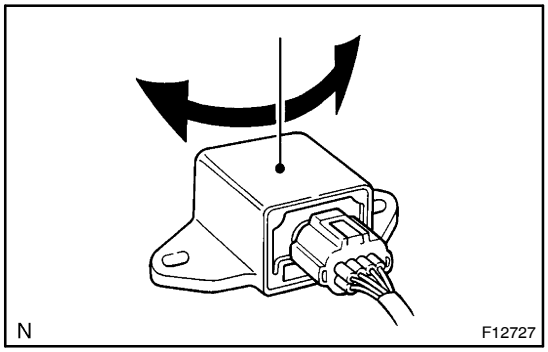
2	CHECK RECONFIRM DTC

(a) Check if the DTC is output.

NO → **NO PROBLEM**

YES

3 READ VALUE OF YAWRATE SENSOR

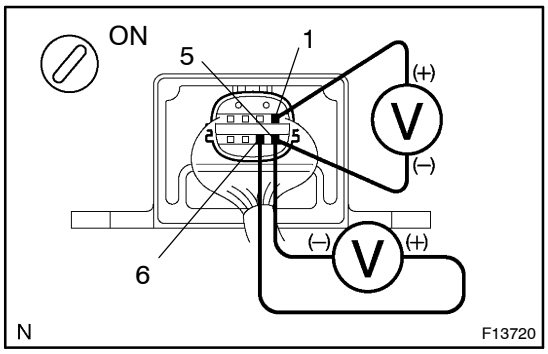


IN CASE OF USING HAND–HELD TESTER:

(a) Remove the consol box.
(b) Remove the yaw rate sensor with the connector still connected to it.
(c) Connect the hand–held tester to the DLC3.
(d) Turn the ignition switch ON and push the hand–held tester main switch ON.
(e) Select the DATALIST mode on the hand–held tester.
(f) Check that the yaw rate sensor value of the yaw rate senor 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 HAND–HELD TESTER:

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

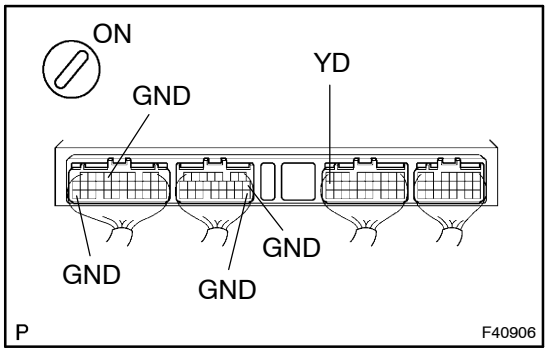
OK:

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

NG → **REPLACE YAWRATE SENSOR**

OK

4 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(YD TERMINAL)



(a) Remove the skid control ECU with the connector still connected to it.
(b) Turn the ignition switch ON.
(c) 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**

NG

5	**CHECK HARNESS AND CONNECTOR(YAW RATE SENSOR – SKID CONTROL ECU)**

(a) Check for open and short circuit in harness and connector between terminal YD of yaw rate sensor and skid control ECU (See page 01–36).

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

CHECK AND REPLACE SKID CONTROL ECU ASSY