

DTC	C1232/32	Stuck in Deceleration Sensor
DTC	C1234/34	Yaw Rate Sensor Malfunction
DTC	C1243/43	Acceleration Sensor Stuck Malfunction
DTC	C1244/44	Open or Short in Deceleration Sensor Circuit
DTC	C1245/45	Acceleration Sensor Output Malfunction
DTC	C1381/97	Yaw Rate and / or Acceleration Sensor Power Supply Voltage Malfunction

DESCRIPTION

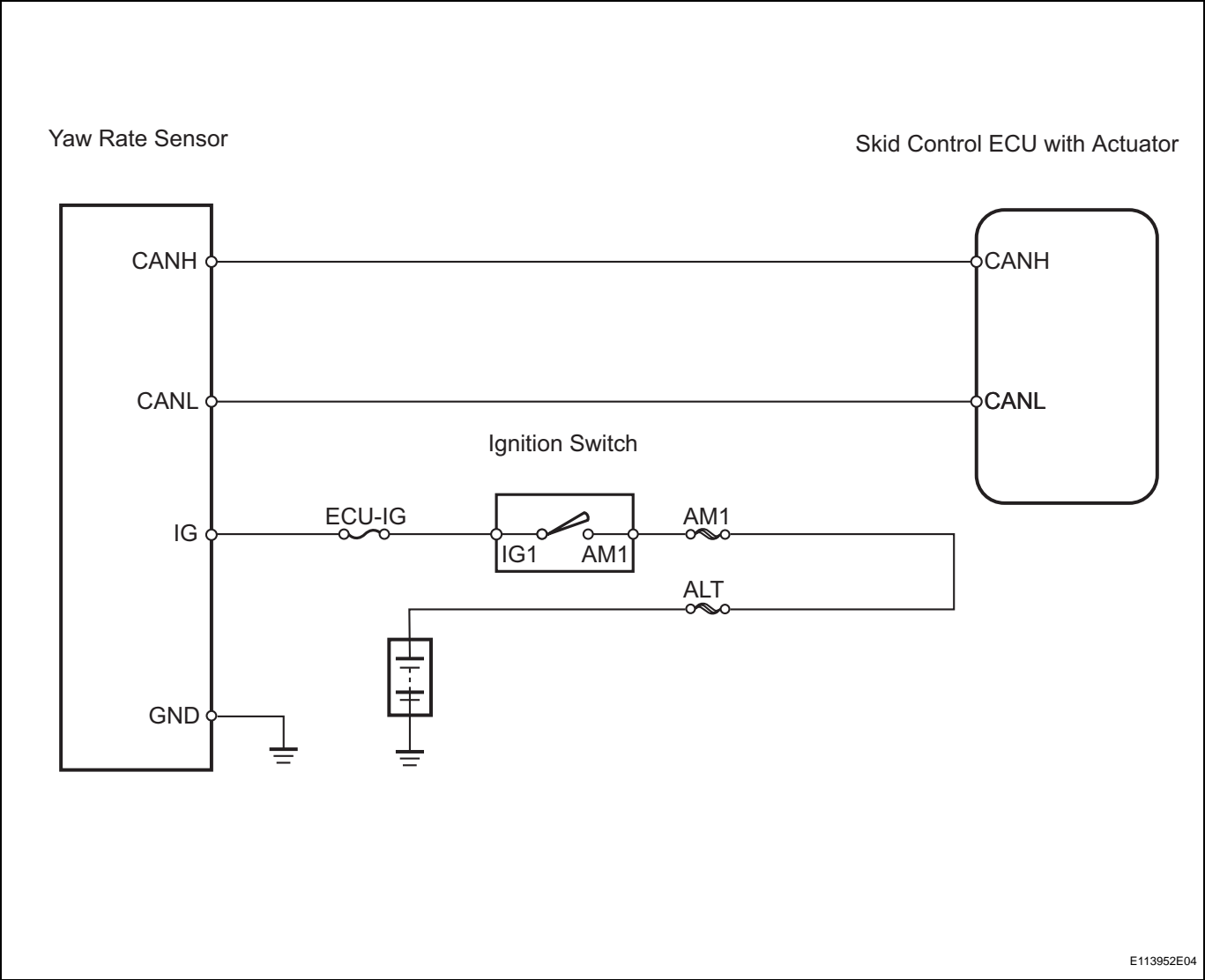
The deceleration sensor is built into the yaw rate sensor.

The yaw rate sensor signal is sent to the skid control ECU through the CAN communication system.

When there is a malfunction in communication, it will be detected by the diagnosis function.

DTC No.	DTC Detection Condition	Trouble Area
C1232/32	While vehicle speed becomes 0 km/h (0 mph) from 30 km/h (18 mph), the condition that GL1 and GL2 signals of ECU terminals do not change to 0.04 V or less occurs 16 times in a row	<ul style="list-style-type: none"> • Yaw rate sensor (Deceleration sensor) • Yaw rate sensor (Deceleration sensor) circuit • Wire harness
C1234/34	Yaw rate sensor malfunction signal is received	<ul style="list-style-type: none"> • Yaw rate sensor • Yaw rate sensor circuit • Wire harness
C1243/43	While the vehicle speed changes from 30 km/h (19 mph) to 0 km/h (0 mph), the condition that either GL1 or GL2 does not change occurs 16 times in a row	<ul style="list-style-type: none"> • Yaw rate sensor • Yaw rate sensor circuit • Wire harness for deceleration sensor system
C1244/44	Either condition (1 or 2) is detected: 1. While the vehicle is not running, the condition that the difference between GL1 and GL2 once became 0.6 G or more but has not become below 0.4 G since then continues for 60 seconds or more 2. Data malfunction signal is received from G sensor	<ul style="list-style-type: none"> • Yaw rate sensor • Yaw rate sensor circuit • Wire harness
C1245/45	With vehicle speed at 30 km/h (19 mph) or more, the condition that the difference between acceleration and deceleration values of computation from deceleration sensor and vehicle speed becomes more than 0.35 G continues for 60 seconds or more	<ul style="list-style-type: none"> • Yaw rate sensor • Yaw rate sensor circuit • Wire harness for deceleration sensor system
C1381/97	With vehicle speed at 3 km/h (2 mph) or more, malfunction signal of deceleration sensor battery has been received constantly for 10 seconds or more	<ul style="list-style-type: none"> • Battery • Power source circuit • Charging system

WIRING DIAGRAM



HINT:
When U0121/94, U0123/62, U0124/95 or U0126/63 are output accompanied with C1210/36 or C1336/39, inspect and repair the trouble areas indicated by U0121/94, U0123/62, U0124/95 or U0126/63 first.

1 CHECK YAW RATE SENSOR (INSTALLATION)

BC

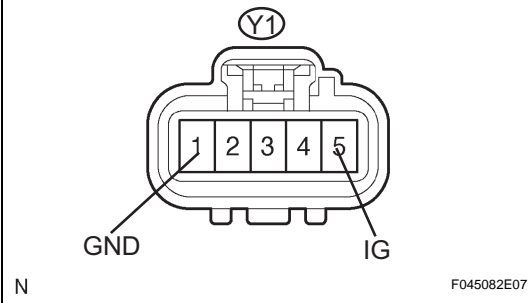
(a) Check that the yaw rate sensor has been installed properly.

NG **INSTALL YAW RATE SENSOR CORRECTLY**

OK

2 CHECK WIRE HARNESS (YAW RATE SENSOR - BATTERY AND BODY GROUND)

Wire Harness Side



- (a) Disconnect the Y1 sensor connector.
(b) Measure the voltage of the wire harness side connector.

Standard voltage

Tester Connection	Switch Condition	Specified Condition
Y1-5 (IG) - Body ground	Ignition switch ON	10 to 14 V

- (c) Measure the resistance of the wire harness side connector.

Standard resistance

Tester Connection	Specified Condition
Y1-1 (GND) - Body ground	Below 1 Ω

HINT:

When replacing the yaw rate sensor, perform the zero point calibration (see page [BC-11](#)).

NG**REPAIR OR REPLACE HARNESS AND CONNECTOR****OK****REPLACE YAW RATE SENSOR**