

DTC	C1232/32	MALFUNCTION IN DECELERATION SENSOR
DTC	C1234/34	MALFUNCTION IN YAW RATE SENSOR
DTC	C1243/43	MALFUNCTION IN DECELERATION SENSOR
DTC	C1244/44	OPEN OR SHORT IN DECELERATION SENSOR CIRCUIT
DTC	C1245/45	MALFUNCTION IN DECELERATION SENSOR
DTC	C1381/97	MALFUNCTION IN POWER SUPPLY VOLTAGE YAW/DECELERATION SENSOR

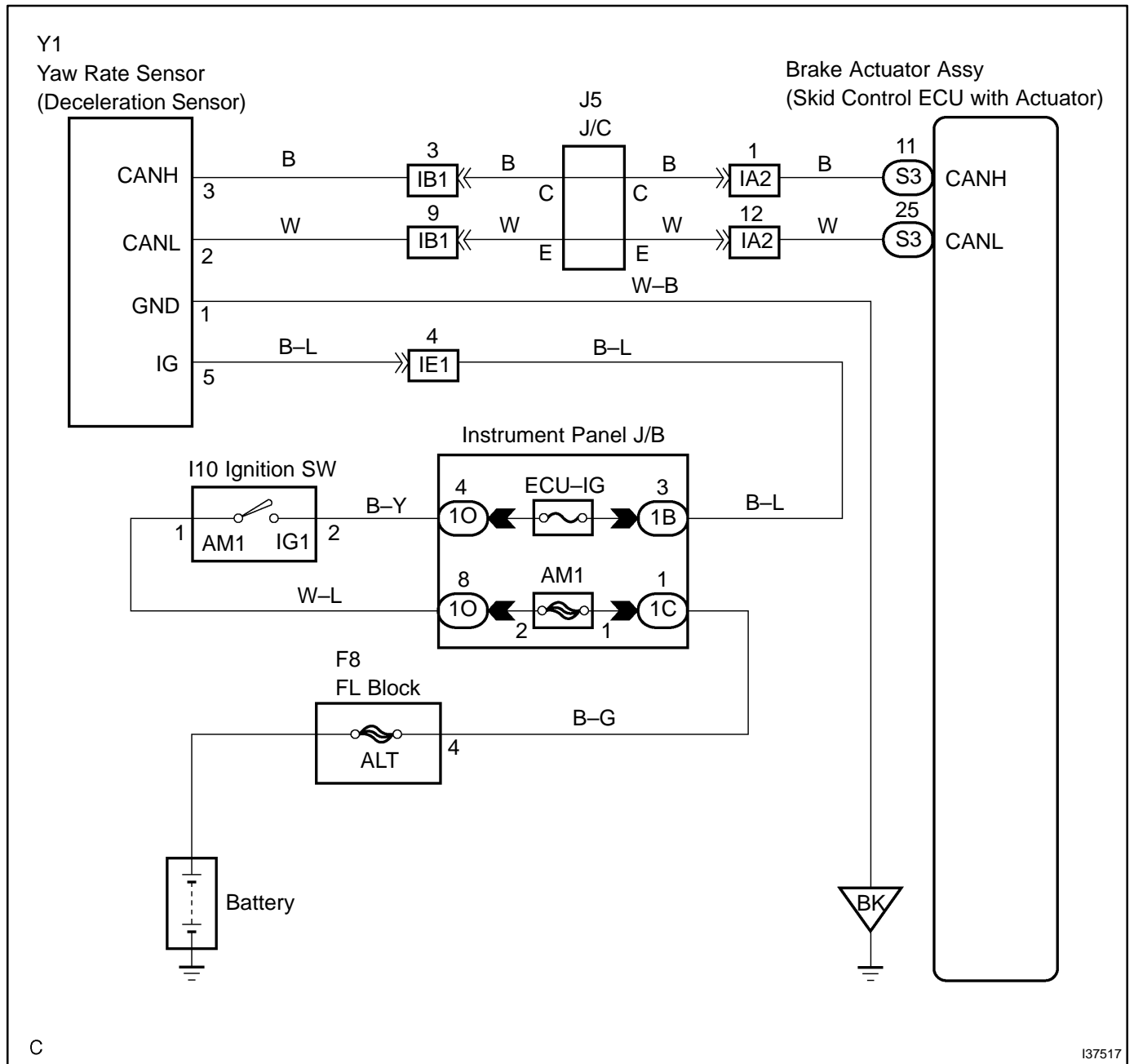
CIRCUIT DESCRIPTION

Deceleration sensor is included in yaw rate sensor.

The yaw rate sensor signal is sent to the skid control ECU through CAN communication system. When there is malfunction in communication, it will be detected by the diagnosis function.

DTC No.	DTC Detecting Condition	Trouble Area
C1232/32	While vehicle speed becomes 0 km/h (0 mph) from 30 km/h (18 mph), and the condition that GL1 and GL2 signals of ECU terminals did not change 40 mV or less continued in a sequence 16 times.	<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 repeatedly occurs 16 times.	<ul style="list-style-type: none"> • Yaw rate sensor • Yaw rate sensor circuit • Wire harness for deceleration sensor system
C1244/44	While the vehicle is not running, the condition that the difference between GL1 and GL2 once became 0.6 G or more but hasn't become below 0.4 G since then continues for 60 sec. or more.	<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 sec. 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 sec. or more.	<ul style="list-style-type: none"> • Battery • Power source circuit • Charging system

WIRING DIAGRAM



INSPECTION PROCEDURE

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 SENSOR INSTALLATION(YAW RATE SENSOR)

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

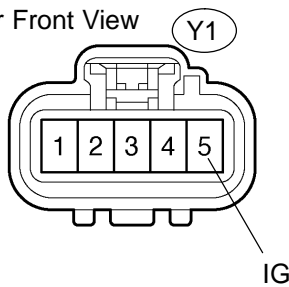
NG INSTALL YAW RATE SENSOR CORRECTLY

OK

2 CHECK HARNESS AND CONNECTOR(IG TERMINAL)

Yaw Rate Sensor

Connector Front View



- (a) Disconnect the yaw rate sensor connector.
 (b) Turn the ignition switch to the ON position.
 (c) Measure the voltage according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
IG (Y1-5) - Body ground	11 to 14 V

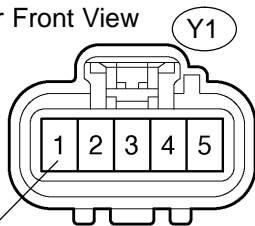
NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

3 CHECK HARNESS AND CONNECTOR(GND TERMINAL)

Yaw Rate Sensor

Connector Front View



- (a) Disconnect the yaw rate sensor connector.
 (b) Measure the resistance according to the value(s) in the table below.

Standard:

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

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE YAW RATE SENSOR

NOTICE:

When replacing the brake actuator assy, perform the zero point calibration (See page 05-279).