DTC	C0371/71	Yaw Rate Sensor (Test Mode DTC)
DTC	C1232/32	Stuck in Deceleration Sensor
DTC	C1234/34	Yaw Rate Sensor Malfunction
DTC	C1243/43	Deceleration Sensor Stuck Malfunction
DTC	C1244/44	Open or Short in Deceleration Sensor Circuit
DTC	C1245/45	Deceleration Sensor Output Malfunction
DTC	C1279/79	Deceleration Sensor Output Voltage Malfunction (Test Mode DTC)
DTC	C1381/97	Yaw Rate and / or Acceleration Sensor Power Supply Voltage Malfunction

BC

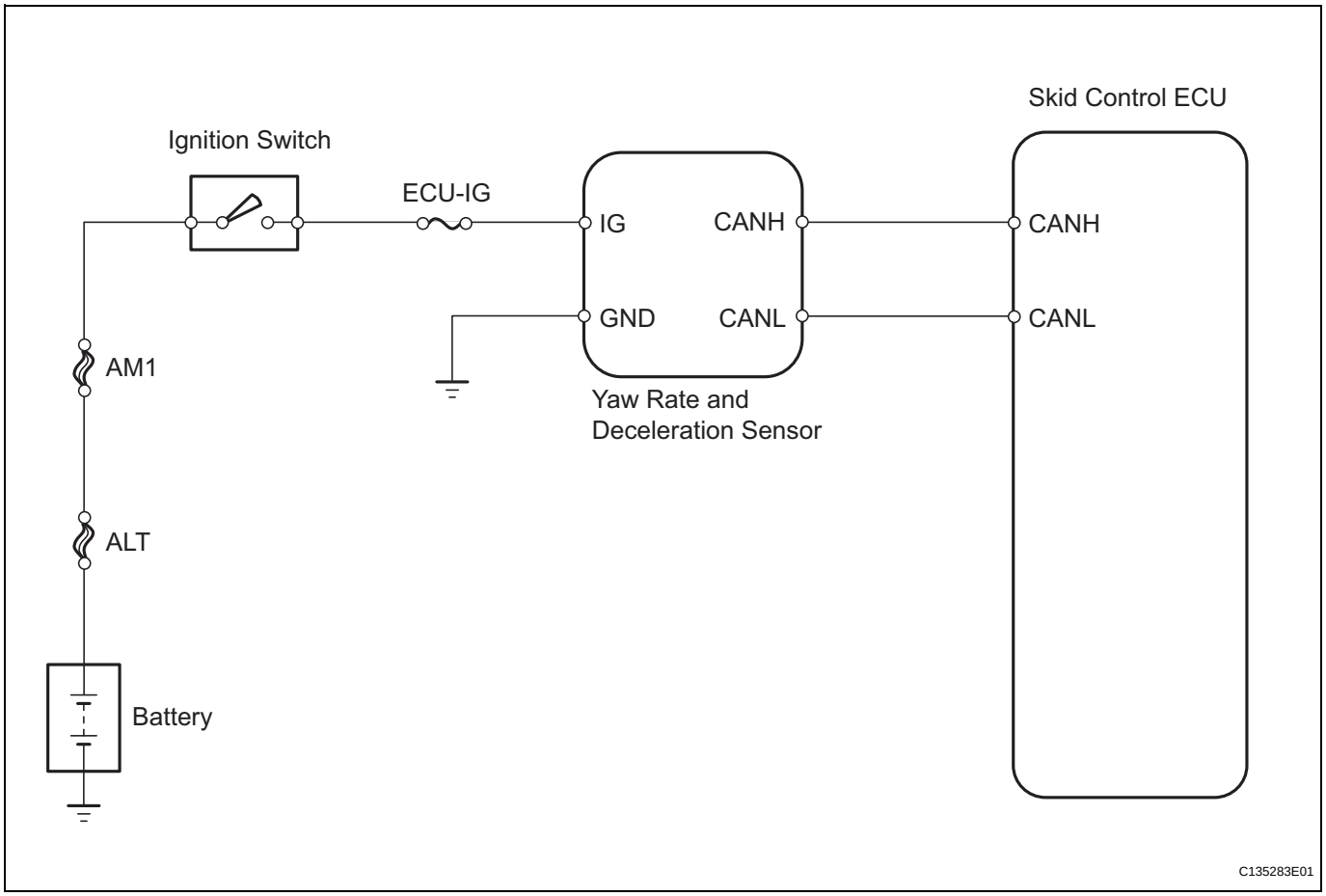
DESCRIPTION

The skid control ECU receives signals from the yaw rate sensor and deceleration sensor via the CAN communication system.
The deceleration sensor is built into the yaw rate sensor.
If there is trouble in the bus lines between the yaw rate sensor and deceleration sensor and the CAN communication system, DTC U0123/62 (yaw rate sensor communication trouble) and U0124/95 (deceleration sensor communication trouble) are output.

DTC No.	DTC Detecting Conditions	Trouble Areas
C0371/71	Detected only during test mode	• Yaw rate and deceleration sensor • Yaw rate and deceleration sensor circuit • CAN communication system
C1232/32	At vehicle speed of 6 mph (10 km/h) or more, signal from either GL1 or GL2 does not change for 30 seconds or more.	• Yaw rate and deceleration sensor • Yaw rate and deceleration sensor circuit • CAN communication system
C1234/34	Sensor malfunction signal received from yaw rater sensor.	• Yaw rate and deceleration sensor • Yaw rate and deceleration sensor circuit • CAN communication system
C1243/43	Following condition repeats 16 times. • GL1 and GL2 do not change by more than 2LSB when vehicle decelerates from 19 mph (30 km/h) to 0 mph (0 km/h).	• Yaw rate and deceleration sensor • Yaw rate and deceleration sensor circuit • CAN communication system
C1244/44	When either of following (1 or 2) detected: 1. Both of following conditions continue for at least 60 seconds. (a) Vehicle stopped. (b) Difference between GL1 and GL2 does not drop below 0.4 G once it reaches 0.6 G or more. 2. Data malfunction signal received from deceleration sensor.	• Yaw rate and deceleration sensor • Yaw rate and deceleration sensor circuit • CAN communication system
C1245/45	Following condition continues for at least 60 seconds. • Difference between values calculated from deceleration sensor value and vehicle speed exceeds 0.35 G.	• Yaw rate and deceleration sensor • Yaw rate and deceleration sensor circuit • CAN communication system

DTC No.	DTC Detecting Conditions	Trouble Areas
C1279/79	Detected only during test mode	• Yaw rate and deceleration sensor • Yaw rate and deceleration sensor circuit
C1381/97	Deceleration sensor power source malfunction signal received for at least 10 seconds at speed of more than 2 mph (3 km/h).	• Yaw rate and deceleration sensor • Yaw rate and deceleration sensor circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

NOTICE:

When replacing the yaw rate and deceleration sensor, perform zero point calibration (See page BC-24).

HINT:

When U0073/94, U0123/62, U0124/95 or U0126/63 are output together with C1232/32 or C1234/34, inspect and repair the trouble areas indicated by U0073/94, U0123/62, U0124/95 or U0126/63 first.

1	CHECK DTC

(a) Clear the DTC(s) (See page BC-45).

(b) Check if the DTCs U0073/94, U0123/62, C1210/36 and/or C1336/39 are detected (See page BC-45).

Result

Result	Proceed to
DTC U0073/94, U0123/62, C1210/36 and/or C1336/39 not output	A

Result	Proceed to
DTC U0073/94 and/or U0123/62 output	B
DTC C1210/36 and/or C1336/39 output	C

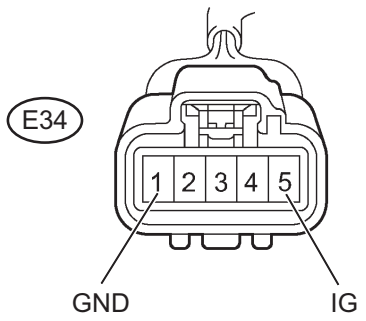
B → REPAIR CAN COMMUNICATION SYSTEM

C → REPAIR CIRCUITS INDICATED BY OUTPUT DTCS

A

2 INSPECT YAW RATE AND DECELERATION SENSOR

Yaw Rate Sensor (harness side connector):



(a) Disconnect the yaw rate and deceleration sensor connector.

(b) Measure the voltage.

Standard voltage

Tester Connection	Condition	Specified Condition
E34-5 (IG) - Body ground	Ignition switch ON	11 to 14 V

(c) Measure the resistance.

Standard resistance

Tester Connection	Condition	Specified Condition
E34-1 (GND) - Body ground	Ignition switch OFF	Below 1 Ω

Result

Result	Proceed to
OK (When troubleshooting in accordance with DTC CHART)	A
OK (When troubleshooting in accordance with PROBLEM SYMPTOMS TABLE)	B
NG	C

B → PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

C → REPAIR OR REPLACE HARNESS OR CONNECTOR

A

REPLACE YAW RATE AND DECELERATION SENSOR