

DIAGNOSIS SYSTEM

1. DTC COMBINATION TABLE

NOTICE:

Complete "CHECK CAN BUS LINE" (See page CA-19) to confirm that there is no malfunction in the CAN bus line, and then perform troubleshooting according to the following DTC combination table.

- (a) Confirm the trouble mode according to the combination of output DTCs.

Trouble Mode	U0073/94	U0123/62	U0124/95	U0126/63
Skid control ECU communication stop mode	○	○	○	○
Yaw rate sensor communication stop mode	-	○	○	-
Steering sensor communication stop mode	-	-	-	○

HINT:

- DTC U1223 is also output when U0073 or U0124 is output.
- U0073/94, U0123/62, U0124/95 and U0126/63 are the DTCs in the CAN communication system.
- The above table shows combinations of these DTCs.
- ○..... DTCs that are being output.
- - DTCs that are not being output.

- (b) DTC detection condition

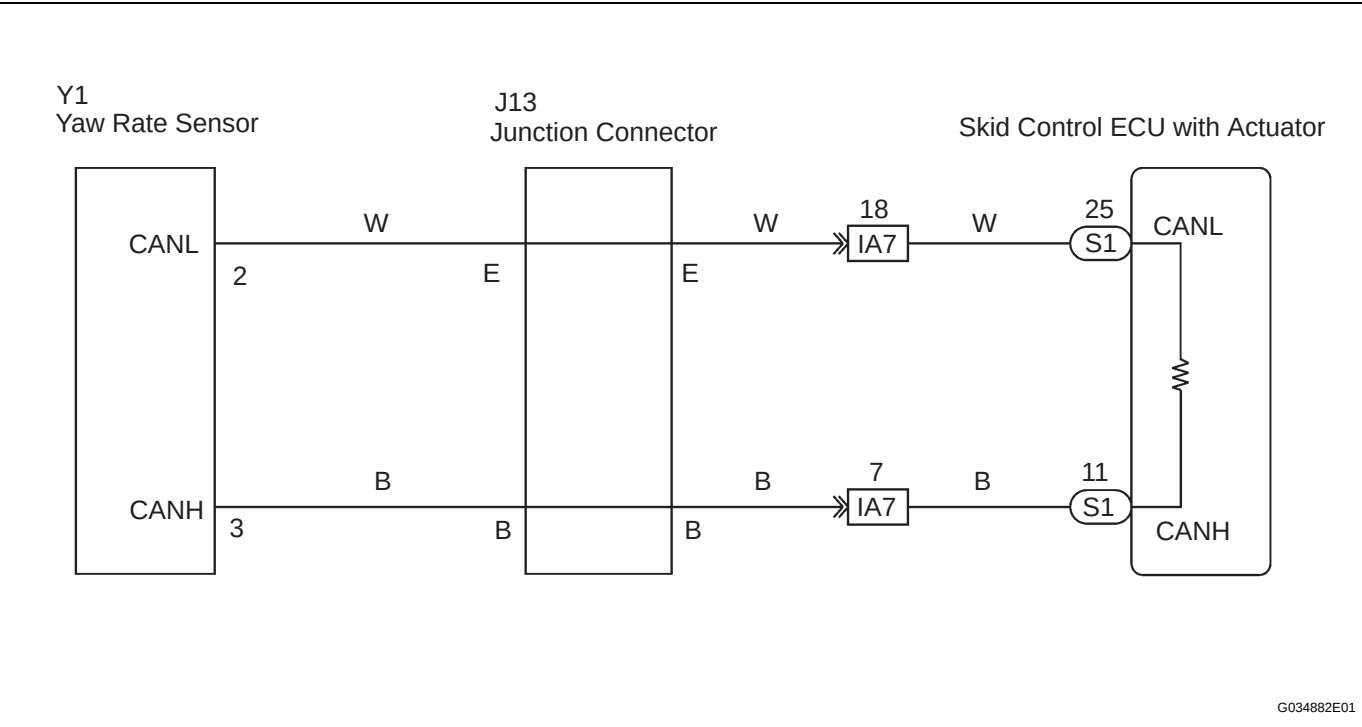
DTC No.	DTC Detecting Condition
U0073/94	• Data transmission from the skid control ECU is not completed within 5 sec. • CAN bus-off condition occurs more than once within 100 ms. This situation repeatedly occurs 10 times.
U0123/62	• Skid control ECU terminal IG1 voltage is 10 V or more, and data is not received from the yaw rate sensor for more than 1 sec. • Skid control ECU terminal IG1 voltage is 10 V or more, and data cannot be received from the yaw rate sensor more than once within 5 sec. This situation repeatedly occurs more than 10 times.
U0124/95	• Skid control ECU terminal IG1 voltage is 10 V or more, and data is not received from the deceleration sensor for more than 1 sec. • Skid control ECU terminal IG1 voltage is 10 V or more, and data cannot be received from the deceleration sensor more than once within 5 sec. This situation repeatedly occurs more than 10 times.
U0126/63	• Skid control ECU terminal IG voltage is 10 V or more, and data is not received from the steering sensor for more than 1 sec. • Skid control ECU terminal IG voltage is 10 V or more, and data cannot be received from the steering sensor more than once within 5 sec. This situation repeatedly occurs more than 10 times.

Skid Control ECU Communication Stop Mode

DESCRIPTION

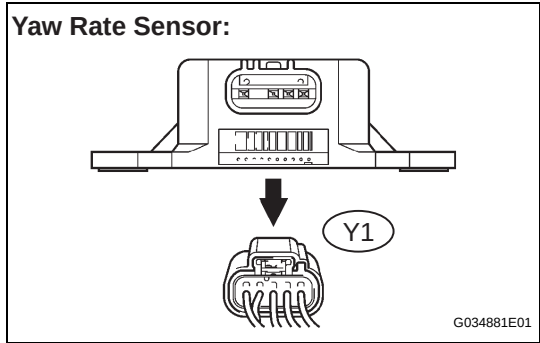
Detection Item	Symptom	Trouble Area
SKID CONTROL ECU COMMUNICATION STOP MODE	U0073/94, U0123/62, U0124/95, and U0126/63 are output simultaneously	- Skid control ECU (internal malfunction) - Yaw rate sensor (internal malfunction)

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK DTC OUTPUT



- (a) Disconnect the connector (Y1) from the yaw rate sensor.
- (b) Read the output diagnostic codes.

Result

Output DTC	Proceed to
U0123/62 and U0124/95 are output simultaneously.	A
U0073/94, U0123/62, U0124/95 and U0126/63 are output simultaneously.	B

A

B REPLACE SKID CONTROL ECU

REPLACE YAW RATE SENSOR