DTC	U0073/94	Control Module Communication Bus OFF
DTC	U0100/65	Lost Communication with ECM / PCM
DTC	U0123/62	Lost Communication with Yaw Rate Sensor Module
DTC	U0124/95	Lost Communication with Lateral Acceleration Sensor Module
DTC	U0126/63	Lost Communication with Steering Angle Sen- sor Module

# DESCRIPTION

DTC No.	DTC Detection Condition	Trouble Area	
U0073/94	<ol> <li>When one of following conditions is met:         <ol> <li>With the IG1 terminal voltage 10 V or more, after the output of data from the skid control ECU is completed, the sending continues for 5 seconds or more.</li> <li>The condition that bus OFF state occurs once or more within 100 ms occurs 10 times in succession. (Sent signals cannot be received.)</li> <li>With the IG1 terminal voltage 10 V or more, a delay in receiving data from the yaw rate and acceleration sensor and steering angle sensor continues for 1 second or more.</li> <li>With the IG1 terminal voltage 10 V or more, the condition that a delay in receiving data from the yaw rate and acceleration sensor occurs more than once within 5 seconds occurs 10 times in succession.</li> </ol> </li> </ol>	CAN communication system	BC
U0100/65	<ul> <li>When either condition below is met:</li> <li>1. With the IG1 terminal voltage 10 V or more and the vehicle speed 15 km/h (9 mph) or more, data cannot be sent to the ECM for 2 seconds or more.</li> <li>2. With the IG1 terminal voltage 10 V or more and the vehicle speed 15 km/h (9 mph) or more for 2 seconds or more.</li> </ul>	CAN communication system (Skid control ECU to ECM)	
U0123/62	<ol> <li>When either condition below is met:</li> <li>With the IG1 terminal voltage 10 V or more, data from the acceleration sensor cannot be received for 1 second or more.</li> <li>With the IG1 terminal voltage 10 V or more, the following occurs 10 times in succession within 60 seconds.         <ul> <li>(a) The condition that data from the acceleration sensor cannot be received occurs once or more within 5 seconds.</li> </ul> </li> </ol>	CAN communication system (Skid control ECU to yaw rate and acceleration sensor)	
U0124/95	<ul> <li>When either condition below is met:</li> <li>1. With the IG1 terminal voltage 10 V or more, data from the acceleration sensor cannot be received for 1 second or more.</li> <li>2. With the IG1 terminal voltage 10 V or more, the following occurs 10 times in succession within 60 seconds.</li> <li>(a) The condition that data from the acceleration sensor cannot be received occurs once or more within 5 seconds.</li> </ul>	CAN communication system (Skid control ECU to yaw rate and acceleration sensor)	

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DTC No.	DTC Detection Condition	Trouble Area
U0126/63	<ul> <li>When either of following conditions detected:</li> <li>1. When IG1 terminal voltage 10 V or more, data from steering sensor cannot be received for 1 second or more.</li> <li>2. When IG1 terminal voltage 10 V or more, following condition occurs 10 times in succession.</li> </ul>	CAN communication system

# **INSPECTION PROCEDURE**

The skid control ECU inputs the signals from the ECM, steering angle sensor, and yaw rate and acceleration sensor via CAN communication system.

# CHECK HARNESS AND CONNECTOR (MOMENTARY INTERRUPTION)

(a) Using the DATA LIST of the intelligent tester, check for any momentary interruption in the wire harness and connector corresponding to a DTC (see page BC-23).

#### Skid control ECU:

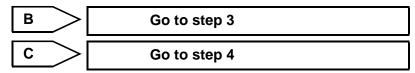
Item (Display)	Measurement Item / Range (Display)	Normal Condition	Diagnostic Note
EFI COM OPN	EFI communication open detection / ERROR or NORMAL	ERROR: Momentary interruption NORMAL: Normal	-
STEERING OPN	Steering sensor open detection / ERROR or NORMAL	ERROR: Momentary interruption NORMAL: Normal	-
YAW RATE OPN	Yaw rate sensor open detection / ERROR or NORMAL	ERROR: Momentary interruption NORMAL: Normal	-

#### Result

Condition	Proceed to
There is a constant open circuit	A
There are no momentary interruptions	В
There are momentary interruptions	С

#### HINT:

Perform the above inspection before removing the sensor and connector.



A

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## CHECK IF EACH SENSOR AND ECM CONNECTOR IS SECURELY CONNECTED

(a) Check if each sensor or ECM connector is securely connected.

OK:

### The connector should be securely connected.

NG

CONNECT CONNECTOR TO EACH SENSOR OR ECM CORRECTLY

ОК			
3	RECONFIRM DTC		
		sensor DTCs are output s	ge BC-47). In system DTC and the relevant simultaneously, troubleshoot the or ABS and VSC) after the CAN
		Condition	Proceed to
		DTC (CAN communication system DTC) is not output	A
		DTC (ABS and/or VSC DTC) is output	В
		DTC is not output	С
A			T INDICATED BY OUTPUT

## INSPECT CAN COMMUNICATION SYSTEM

### REPAIR OR REPLACE HARNESS AND CONNECTOR

- (a) Repair or replace the harness or connector.
- (b) Check for any momentary interruption between the skid control ECU and each sensor or ECM (see page BC-23).
- (c) Check that there is no momentary interruption.

NEXT

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# 5 RECONFIRM DTC

- (a) Clear the DTC (see page BC-47).
- (b) Turn the ignition switch ON.
- (c) Drive the vehicle and turn the steering wheel to the right and left at a speed of 15 km/h (9 mph) or more.
- (d) Check that no CAN communication system DTC is output (see page BC-47).
- (e) If ABS and/or VSC DTCs are output, record them. **Result**

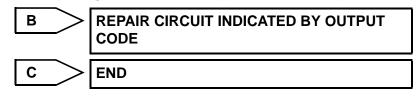
Condition	Proceed to
DTC for the CAN communication system is not output	A
No DTC is output (ABS and/or VSC DTC are output)	В

ВC

Condition	Proceed to
No DTC is output (No ABS and/or VSC DTC are output)	С

#### HINT:

The CAN communication system must be normal when repairing the sensor DTCs (for ABS and VSC).



A

## INSPECT CAN COMMUNICATION SYSTEM

BC