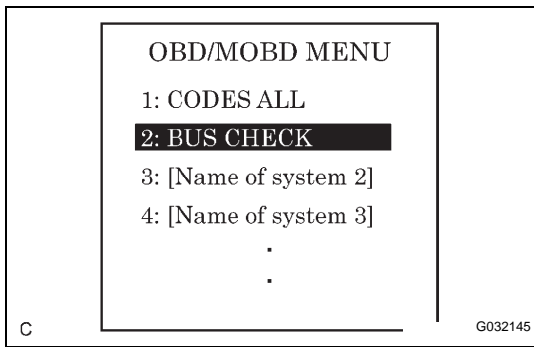


DIAGNOSIS SYSTEM

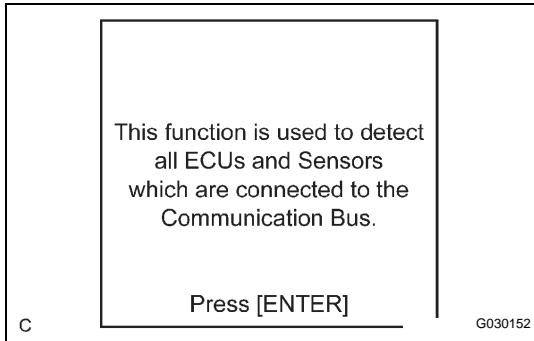


1. BUS CHECK

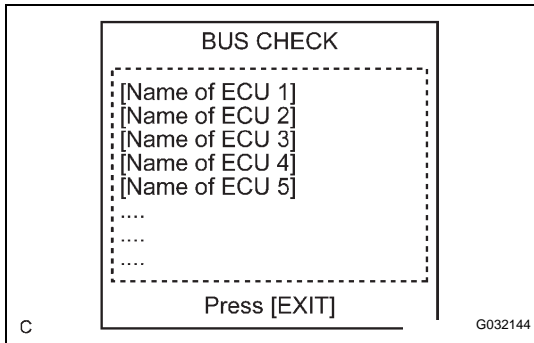
- (a) Select "BUS CHECK" from the "OBD/MOBD MENU" screen.

HINT:

The ECUs and sensors that are properly connected to the CAN communication system can be displayed using the intelligent tester via the CAN VIM.



- (b) Press "ENTER" on the intelligent tester via the CAN VIM.



- (c) The screen displays the ECUs and sensors that are properly connected to the CAN communication system.

HINT:

If any properly connected ECUs or sensors are not displayed, there is a communication stop in the system.

2. CHECK INSTALLED SYSTEMS (ECUs AND SENSORS) THAT ADOPT CAN COMMUNICATION

- (a) Systems (ECUs and sensors) that adopt CAN communication vary depending on the vehicle's optional settings. Check which systems (ECUs and sensors) are installed on the vehicle.

ECU/Sensor name	Check method
Skid control ECU	Installed on all vehicles
ECM	Installed on all vehicles
Yaw rate sensor	Installed on all vehicles
Steering angle sensor	Installed on all vehicles

3. DTC TABLE BY ECU

HINT:

- In the CAN communication system, CAN communication system DTCs output by the ECU can be displayed by using the intelligent tester.
- If CAN communication system DTCs are output, trouble cannot be determined solely from the DTCs. Perform troubleshooting according to "HOW TO PROCEED WITH TROUBLESHOOTING" (See page CA-6).

- (a) SKID CONTROL ECU

HINT:

DTC communication uses the SIL Line.

DTC No.	Detection Item
U0073/94	Control Module Communication Bus OFF
U0100/65	Lost Communication with ECM/PCM
U0123/62	Lost Communication with Yaw Rate Sensor Module
U0124/95	Lost Communication with Lateral Acceleration Sensor Module
U0126/63	Lost Communication with Steering Angle Sensor Module

(b) YAW RATE SENSOR

HINT:

- The yaw rate sensor is connected to the CAN communication system but CAN communication DTCs are not output.
- If "YAW/DECELERATE" is not displayed on the "BUS CHECK" screen on the intelligent tester, proceed to "Yaw Rate Sensor Communication Stop Mode." (See page CA-21)

(c) STEERING ANGLE SENSOR

HINT:

- The steering sensor is connected to the CAN communication system but CAN communication DTCs are not output.
- If "STEERING_SENSOR" is not displayed on the "BUS CHECK" screen on the intelligent tester, proceed to "Steering Angle Sensor Communication Stop Mode." (See page CA-19)

(d) ECM

HINT:

- The ECM is connected to the CAN communication system but CAN communication DTCs are not output.
- If "ENGINE" is not displayed on the "BUS CHECK" screen on the intelligent tester, proceed to "ECM Communication Stop Mode." (See page CA-23)

4. DTC COMBINATION TABLE

DTC		Trouble Mode			
Output from	Output DTC	ECM Communication Stop Mode	Skid Control ECU Communication Stop Mode	Yaw Rate Sensor Communication Stop Mode	Steering Angle Sensor Communication Stop Mode
Skid Control ECU	U0073/94	X	X	X	X
	U0100/65	○	X	X	X
	U0123/62	X	X	○	X
	U0124/95	X	X	○	X
	U0126/63	X	X	X	○

HINT:

- ○: It is necessary to check for the trouble mode.
- X: Not output

(a) Perform troubleshooting according to the combination of DTCs output.

HINT:

- Skid Control ECU Communication Stop Mode: (See page CA-17)

- ECM Communication Stop Mode: (See page [CA-23](#))
- Yaw Rate Sensor Communication Stop Mode: (See page [CA-21](#))
- Steering Angle Sensor Communication Stop Mode: (See page [CA-19](#))