DTC	P1630	Communication Error from VSC to ECM

DTC	U0122	Lost Communication with Vehicle Dynamics Control Module

DESCRIPTION

The skid control ECU sends signals such as cruise control cancel demand signals and brake operation demand (from ECM) response signals to the ECM when the dynamic laser cruise control system is in operation.

DTC No.	DTC Detection Condition	Trouble Area
P1630	While the dynamic laser cruise control is either preparing for operation or operating, if communication data from the skid control ECU is logically inconsistent for a certain amount of time, the ECM records this logical error code	• Communication circuit • ABS & traction actuator (Skid control ECU) • ECM
U0122	While dynamic laser cruise control is either preparing for operation or operating, if communication data from the skid control ECU is invalid for a certain amount of time, the ECM records this communication cut off code	• Communication circuit • ABS & traction actuator (Skid control ECU) • ECM

CC

INSPECTION PROCEDURE

HINT:
This circuit uses CAN communication. Therefore, if there are any malfunctions in the communication circuit, one or more DTCs in the CAN communication system are output.

1	CHECK CAN COMMUNICATION SYSTEM

Refer to HOW TO PROCEED WITH TROUBLESHOOTING (See page CA-7).

NEXT

END

DTC	P1631	Communication Error from ECM to VSC

DTC	U0100	Lost Communication with ECM/PCM "A"

DESCRIPTION

The ECM sends signals such as A/T information signals, dynamic laser cruise control operation signals, brake operation demand signals, and buzzer operation demand signals to the skid control ECU when the dynamic laser cruise control is in operation. The ECM is the only component that has a function to record and output the DTCs in the dynamic laser cruise control system. Therefore, if the skid control ECU detects a communication error from the ECM, it sends a malfunction signal back to the ECM.

DTC No.	DTC Detection Condition	Trouble Area
P1631	While the dynamic laser cruise control is either preparing for operation or operating, if the ECM continuously receives a logical error signal from the skid control ECU for a certain amount of time, the ECM records this logical error code	• Communication circuit • ECM • ABS & traction actuator (Skid control ECU)
U0100	While the dynamic laser cruise control is either preparing for operation or operating, if the ECM continuously receives a communication cut off signal from the ABS & traction actuator (skid control ECU) for a certain amount of time, the ECM records this communication cut off code	• Communication circuit • ECM • ABS & traction actuator (Skid control ECU)

CC

INSPECTION PROCEDURE

HINT:

This circuit uses CAN communication. Therefore, if there are any malfunctions in the communication circuit, one or more DTCs in the CAN communication system are output.

1	CHECK CAN COMMUNICATION SYSTEM

Refer to HOW TO PROCEED WITH TROUBLESHOOTING (See page CA-7).

NEXT

END