DTC	P1616	COMMUNICATION ERROR FROM ECM TO DISTANCE CONTROL ECU

DTC	U0100	COMMUNICATION STOP FROM ECM TO DISTANCE CONTROL ECU, VSC

CIRCUIT DESCRIPTION

The ECM receives signals from each sensor and ECU, then sends signals such as the A/T signal, cruise control operation signal, low speed operation signal, brake control operation signal and laser light emission prohibiting signal, etc. to the distance control ECU.
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 distance control ECU detects a communication error from the ECM, it sends the malfunction signal back to the ECM.

DTC No.	DTC Detecting Condition	Trouble Area
P1616	While the dynamic laser cruise control is either preparing for operation or operating, if the ECM continuously receives the logical error signal from the distance control ECU for a certain amount of time, the ECM records the logical error code.	• Communication circuit • ECM • Cruise control ECU (Distance 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 distance control ECU for a certain amount of time, the ECM records the communication cut off code.	• Communication circuit • ECM • Cruise control ECU (Distance control ECU)

INSPECTION PROCEDURE

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

1	GO TO CAN COMMUNICATION SYSTEM (SEE PAGE 05–3306)