

DTC	P1616	COMMUNICATION ERROR FROM ECM TO DISTANCE CONTROL ECU
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DTC	U0100	LOST COMMUNICATION WITH ECM/PCM "A"
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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 radar emission prohibiting signal, etc. to the cruise control ECU (distance control ECU).

The ECM is the only component that has a function to record and output the DTCs in the dynamic radar cruise control system. Therefore if the cruise control ECU (distance control ECU) detects a communication error from the ECM, it sends the malfunction signal back to the ECM.

DTC No.	DTC Detection Condition	Trouble Area
P1616	While dynamic radar cruise control is either preparing for operation or operating, distance control ECU continuously receives logical error signal from ECM for certain amount of time	<ul style="list-style-type: none"> • Communication circuit • ECM • Cruise control ECU (Distance control ECU)
U0100	While dynamic radar cruise control is either preparing for operation or operating, distance control ECU continuously receives communication cut off signal from ECM for certain amount of time	<ul style="list-style-type: none"> • Communication circuit • ECM • Cruise control ECU (Distance control ECU)

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 will be output.

Go to CAN COMMUNICATION SYSTEM (See Pub. No. RM1049E, page 05-3306)