

DTC	U0235	Lost Communication with Cruise Control Front Distance Range Sensor
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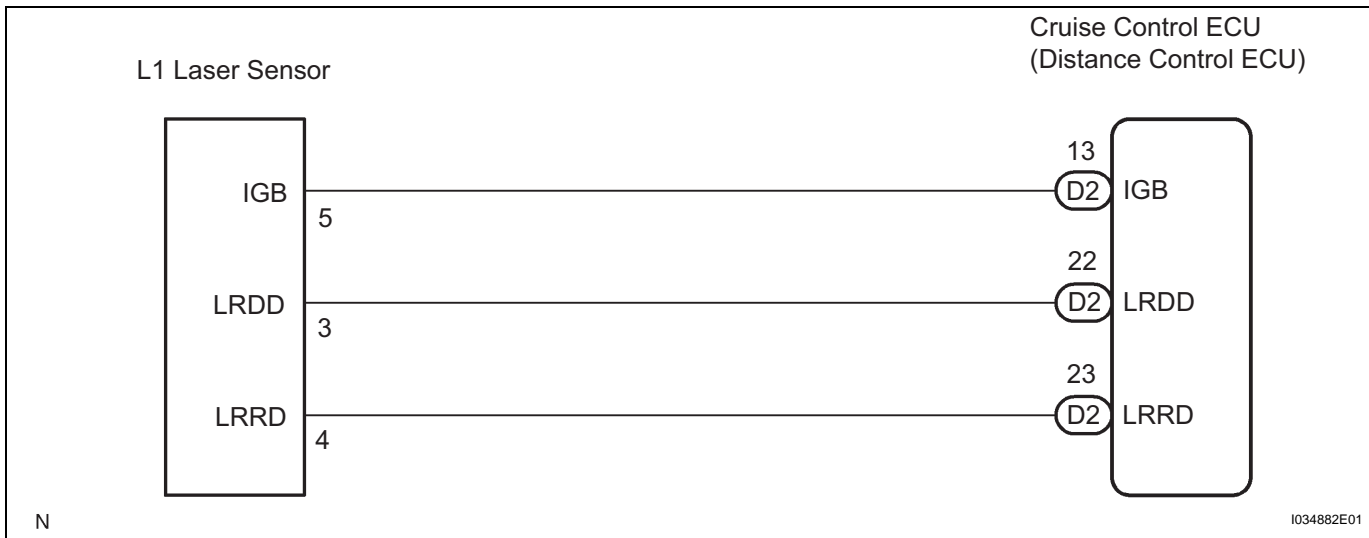
DESCRIPTION

The laser sensor and cruise control ECU (distance control ECU) transmit the data for general vehicle control and diagnosis function along the communication line.

The laser sensor transmits information about the vehicle in front to the cruise control ECU (distance control ECU).

DTC No.	DTC Detection Condition	Trouble Area
U0235	This trouble code is output when the ECM detects the communication error signal (from the laser sensor to the cruise control ECU (distance control ECU)) for 0.15 sec. or more while the dynamic laser cruise control is in operation.	<ul style="list-style-type: none"> • Communication circuit • Laser sensor • Cruise control ECU (Distance control ECU)

WIRING DIAGRAM



1	CHECK WIRE HARNESS AND CONNECTOR (DISTANCE CONTROL ECU - LASER RADAR SENSOR)
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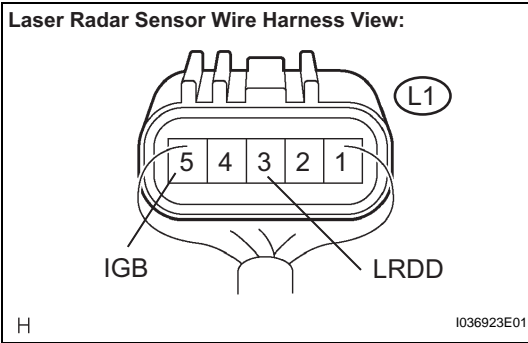
- (a) Check for a open or short circuit in harness and connector between the distance control ECU and the laser radar sensor (See page [IN-36](#)).

NG

REPAIR OR REPLACE WIRE HARNESS OR CONNECTOR

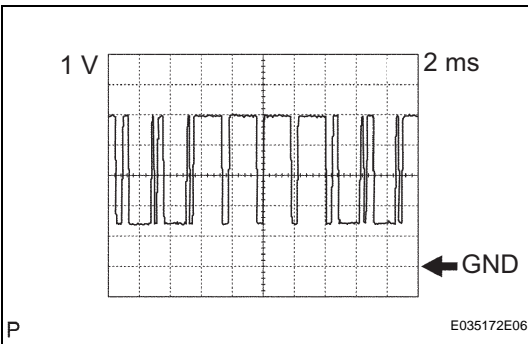
OK

2 INSPECT LASER RADAR SENSOR



- (a) Remove the laser radar sensor with the connector.
- (b) Turn the ignition switch to the ON position.
- (c) Measure the voltage between terminal IGB (L1-5) of the laser radar sensor and body ground.

Voltage:
10 to 14 V



- (d) Check the signal waveform between terminal LRDD (L1-3) of the laser sensor and body ground.

Standard:

Waveform similar to that in the illustration to the left is output.

HINT:

- Gauge set: 2 V/DIV, 10 ms./DIV
- Condition: Ignition switch on

NG → **REPLACE LASER RADAR SENSOR**

CC

OK

REPLACE CRUISE CONTROL ECU ASSEMBLY