

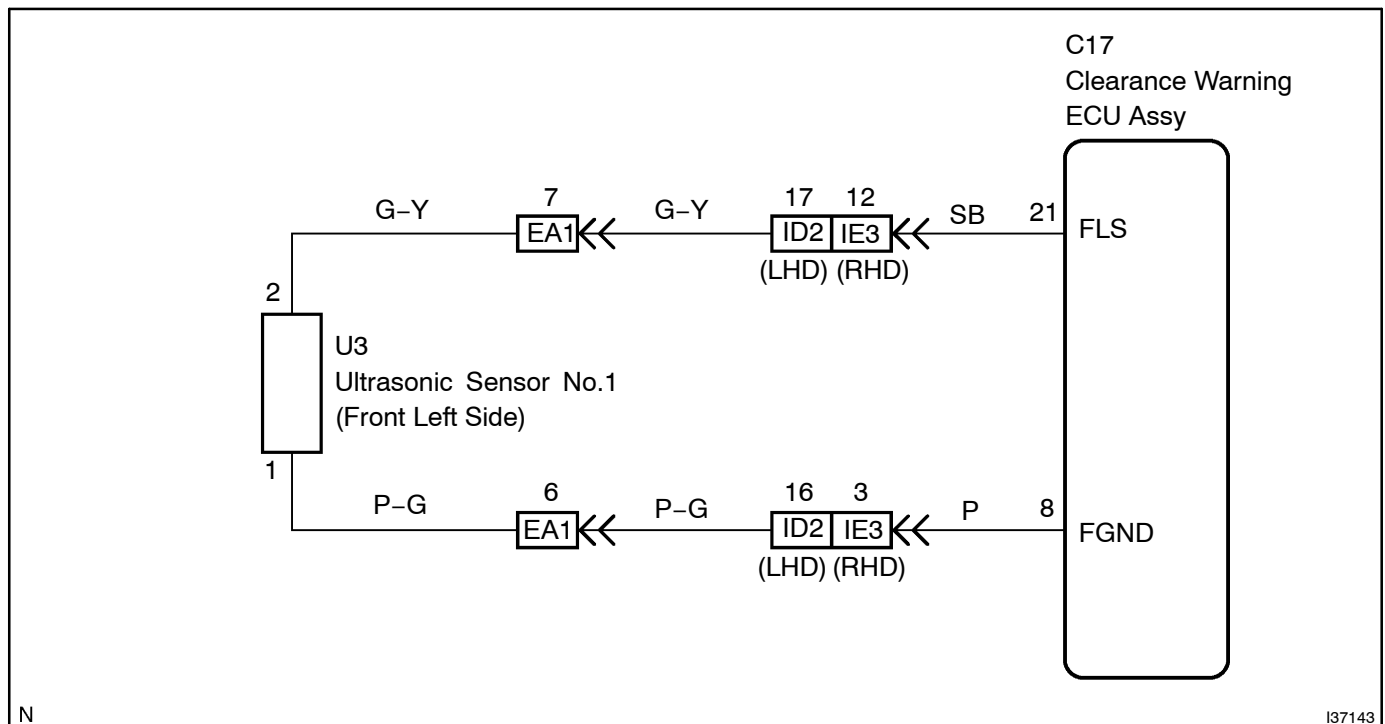
DTC	B2231	FRONT LEFT SIDE SENSOR MALFUNCTION
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CIRCUIT DESCRIPTION

Ultrasonic sensor consists of a sensor portion that transmits and receives ultrasonic waves and a pre-amplifier that amplifies them. The ultrasonic sensor outputs the ultrasonic transmission and reception signals to the clearance warning ECU Assy.

DTC No.	DTC detecting condition	Trouble area
B2231	Malfunction of ultrasonic sensor (Front left side)	• Ultrasonic sensor No.1 • Wire harness • Clearance warning ECU Assy

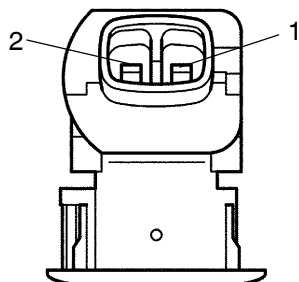
WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT ULTRASONIC SENSOR NO.1

Ultrasonic Sensor No.1:



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I32801

- (a) Remove ultrasonic sensor No.1.
 (b) Measure the resistance according to the value(s) in the table below.

Tester connection	Condition	Specified condition
1 - 2	Always	$10 \pm 2 \text{ k}\Omega$

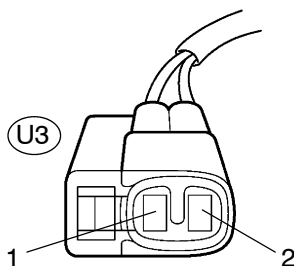
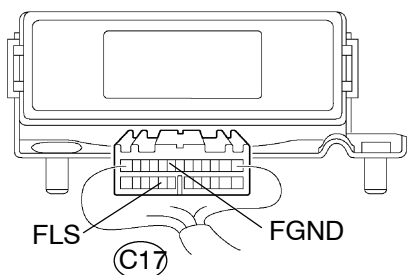
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REPLACE ULTRASONIC SENSOR NO.1
 (SEE PAGE 67-26)

OK

2 CHECK HARNESS AND CONNECTOR(CLEARANCE WARNING ECU ASSY - ULTRASONIC SENSOR NO. 1)

Clearance Warning ECU Assy:



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- (a) Disconnect the C17 connector from the clearance warning ECU assy.
 (b) Disconnect the U3 connector from ultrasonic sensor No.1.
 (c) Measure the resistance according to the value(s) in the table below.

Tester connection (Symbols)	Condition	Specified value
C17-21 (FLS) - U3-2	Always	Below 1Ω
C17-8 (FGND) - U3-1	Always	Below 1Ω
C17-21 (FLS) - Body ground	Always	$10 \text{ k}\Omega$ or higher
C17-8 (FGND) - Body ground	Always	$10 \text{ k}\Omega$ or higher

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE CLEARANCE WARNING ECU ASSY (SEE PAGE 67-30)