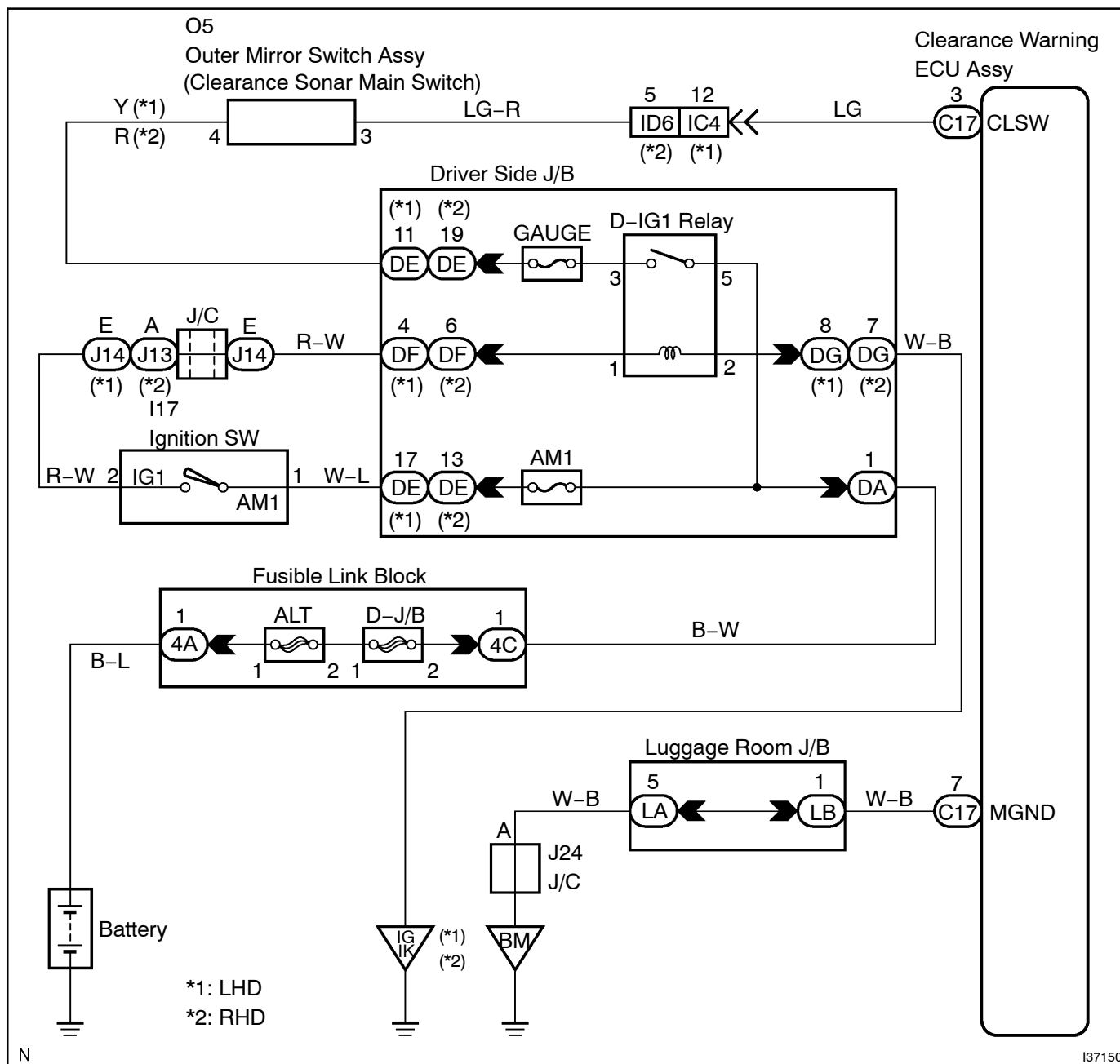


CLEARANCE SONAR MAIN SWITCH CIRCUIT

CIRCUIT DESCRIPTION

Turning this switch on activates the clearance sonar system.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 READ VALUE OF INTELLIGENT TESTER II

- (a) Connect the intelligent tester II to the DLC3.
- (b) Turn the ignition switch to the ON position.
- (c) Turn the intelligent tester II on.
- (d) Turn the clearance sonar main switch on.
- (e) Select the item below in the DATA LIST, and read its value displayed on the intelligent tester II to check the clearance sonar main switch.

CSONAR:

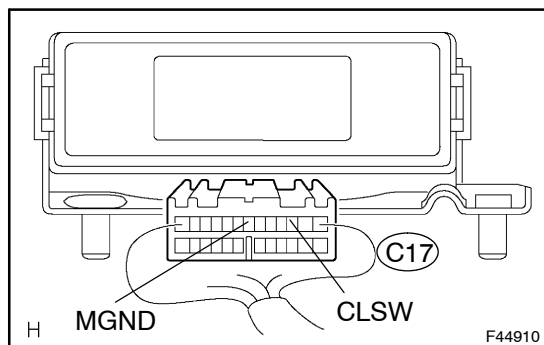
Condition	Item	Standard
Clearance Sonar Main Switch on	Main Switch	"ON" is displayed

OK

**PROCEED TO NEXT CIRCUIT INSPECTION
SHOWN IN PROBLEM SYMPTOMS TABLE
(SEE PAGE 05-2229)**

NG

2 INSPECT CLEARANCE WARNING ECU ASSY(CLSW TERMINAL)



- (a) Disconnect the C17 connector from the clearance warning ECU assy.
- (b) Measure the voltage according to the value(s) in the table below.

Standard:

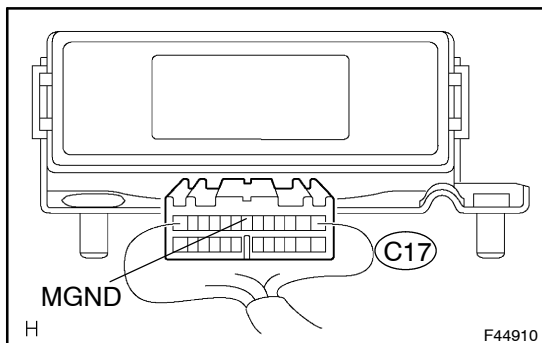
Tester connection	Condition	Specified condition
C17-3 (CLSW) - C17-7 (MGND)	• Ignition switch on • Clearance sonar main switch on	10 to 14 V

OK

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

NG

3 CHECK HARNESS AND CONNECTOR(CLEARANCE WARNING ECU ASSY – BODY GROUND)



- (a) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
C17-7 (MGND) – Body ground	Always	Below 1 Ω

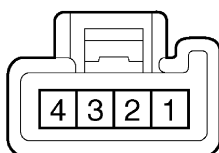
NG

REPAIR OR REPLACE HARNESS OR CONNECTOR (CLEARANCE WARNING ECU ASSY – BODY GROUND)

OK

4 INSPECT OUTER MIRROR SWITCH ASSY

Outer Mirror Switch Assy Connector:



- (a) Disconnect the O5 connector from the clearance sonar main switch.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection (Symbols)	Condition	Specified condition
O5-3 – O5-4	Clearance sonar main switch off	10 k Ω or higher
O5-3 – O5-4	Clearance sonar main switch on	Below 1 Ω

NG

REPLACE OUTER MIRROR SWITCH ASSY

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (CLEARANCE WARNING ECU ASSY – BATTERY)