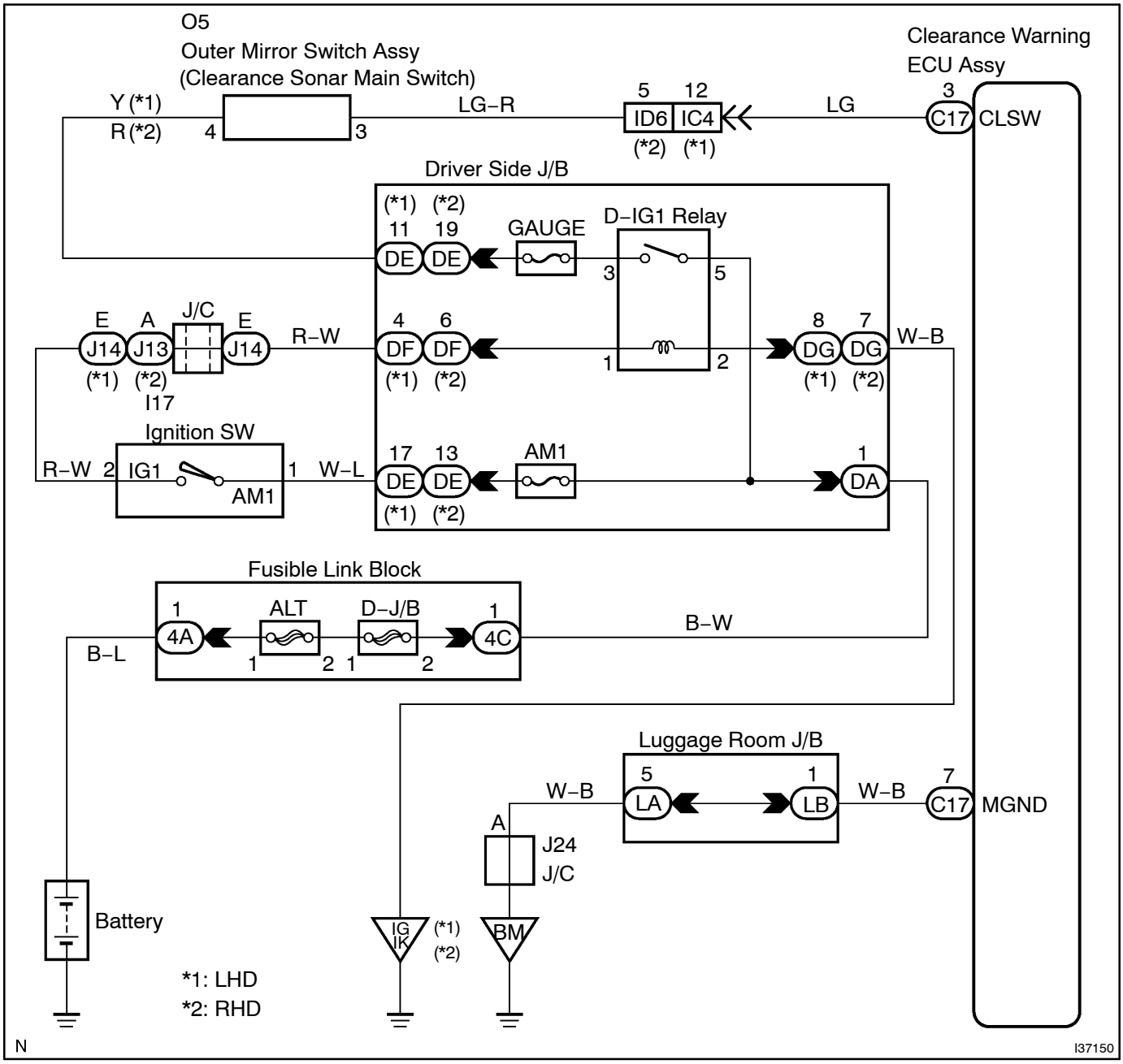
CLEARANCE SONAR MAIN SWITCH CIRCUIT

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.

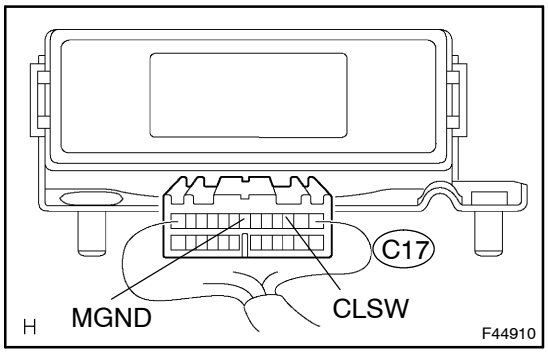
CSONAR:

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)**

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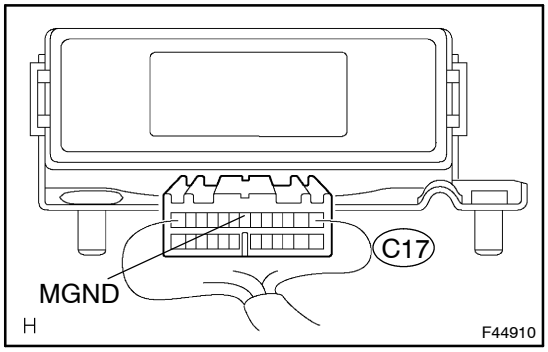
3	CHECK HARNESS AND CONNECTOR(CLEARANCE WARNING ECU ASSY – BODY GROUND)



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

Standard:

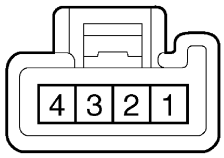
Tester connection	Condition	Specified condition
C17–7 (MGND) – Body ground	Always	Below 1 Ω

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 kΩ 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)