

DTC	B1297	CLEARANCE SONAR ECU COMMUNICATION STOP
-----	-------	----------------------------------------

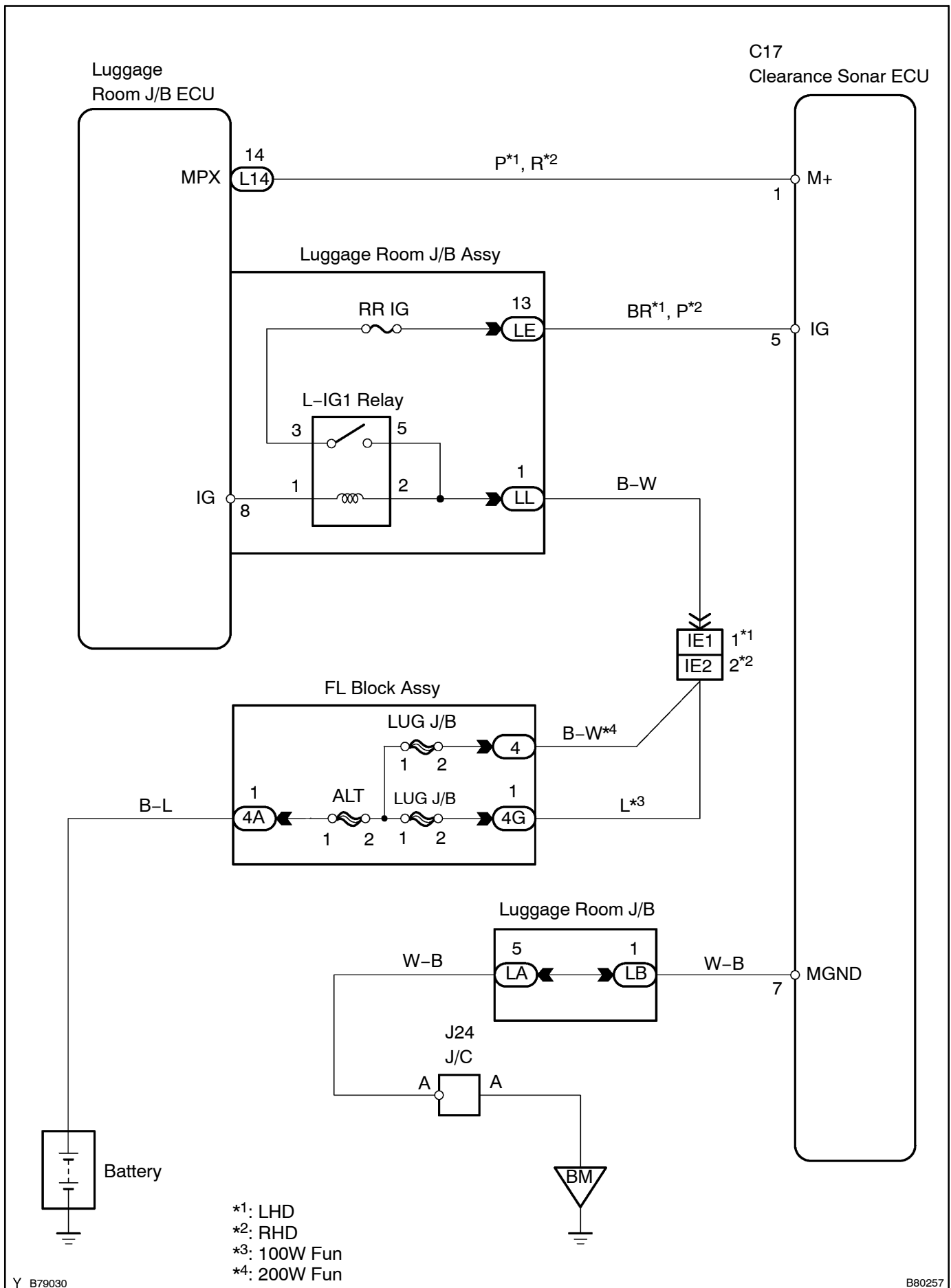
CIRCUIT DESCRIPTION

This DTC is detected when communication between the clearance sonar (ECU) and gateway ECU stops for more than 10 seconds.

DTC No.	DTC Detection Condition	Trouble Area
B1297	Clearance sonar ECU communication stops	<ul style="list-style-type: none">• Clearance sonar ECU• Wire harness

WIRING DIAGRAM

The wiring diagram is shown on the next page.



INSPECTION PROCEDURE

1 CHECK OPERATION

- (a) Turn the ignition switch ON and clearance sonar main switch ON. Check that the combination meter displays the graphic of system check operation for approximately 2 seconds as it checks for an open circuit and a malfunction in the sensor. Also, check that the buzzer emits a sound for approximately 1 second.

OK:

The combination meter display graphic lasts for approximately 2 seconds and the buzzer sound is emitted for approximately 1 second.

NG

Go to step 2

OK

REPLACE CLEARANCE SONAR ECU

2 INSPECT FUSE (RR IG)

- (a) Remove the PR IG fuse from the luggage room J/B.
(b) Measure the resistance.

Standard: Below 1 Ω

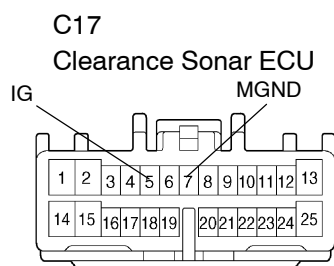
NG

REPLACE FUSE

OK

3 CHECK WIRE HARNESS (CLEARANCE SONAR ECU - BODY GROUND)

Wire Harness Side



B80101

- (a) Disconnect the C17 sonar connector.
(b) Measure the voltage and resistance of the wire harness side connector.

Standard:

Tester Connection	Condition	Specified Condition
C17-5 (IG) - Body ground	Ignition Switch OFF → ON	0V → 10 to 14 V
C17-7 (MGND) - Body ground	Constant	Below 1 Ω

NG

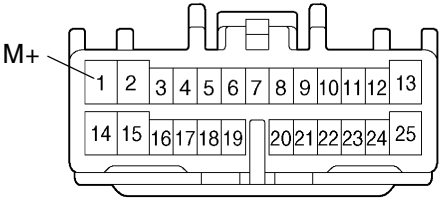
REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

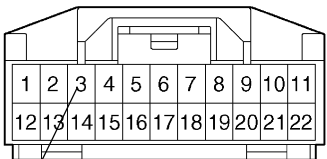
4 CHECK RESISTANCE OF COMMUNICATION LINE

Wire Harness Side

C17
Clearance Sonar ECU



L14
Luggage Room J/B ECU



Y

B79325

- (a) Disconnect the C17 sonar connector.
- (b) Disconnect the L14 ECU connector.
- (c) Measure the resistance between the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
C17-1 (M+) - L14-3 (MPX)	Below 1 Ω

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPLACE CLEARANCE SONAR ECU