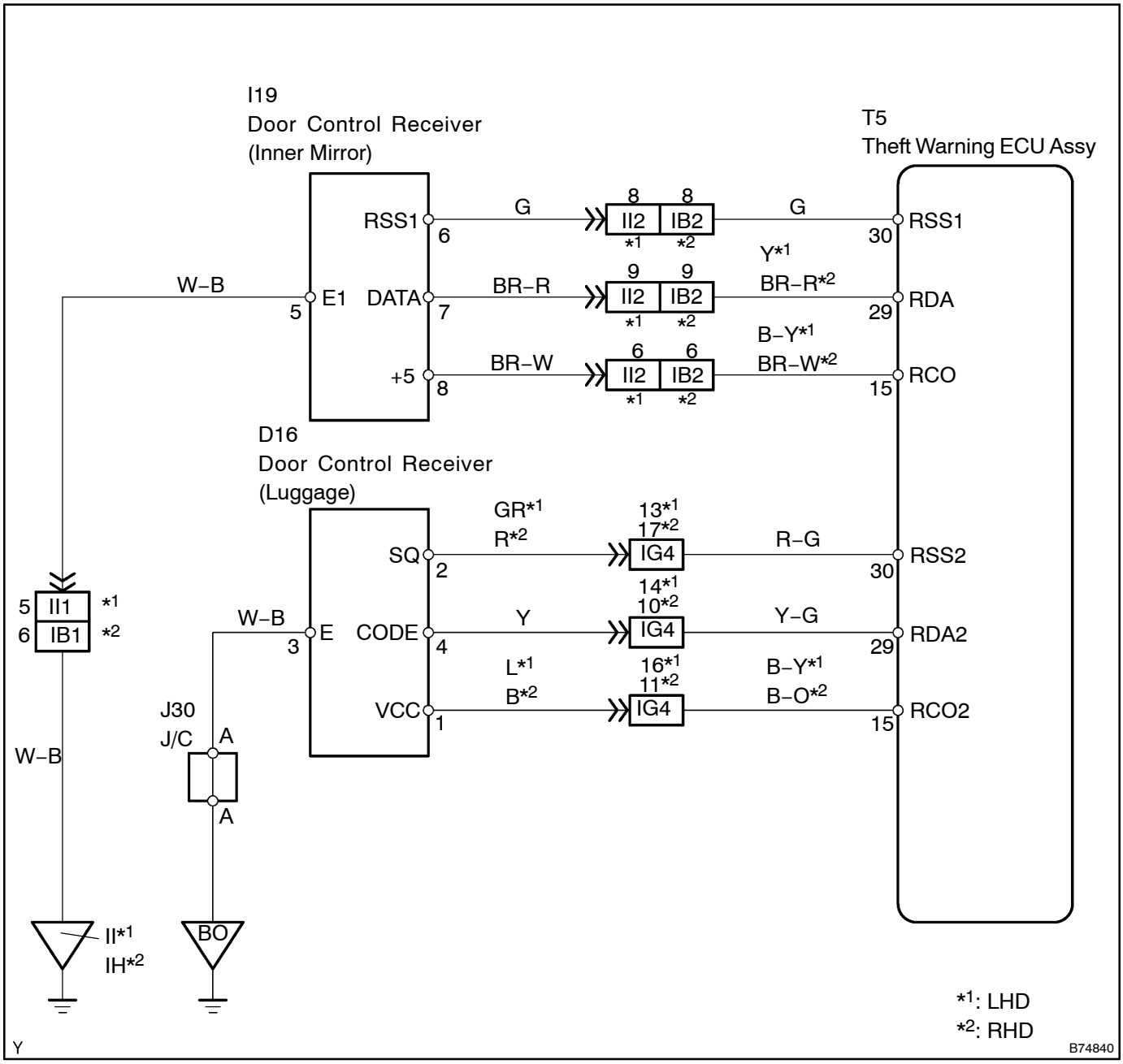
WIRELESS DOOR LOCK TUNER CIRCUIT

CIRCUIT DESCRIPTION

This system is used for the wireless door lock control system.
The signal from the transmitter is input to the theft warning ECU (theft deterrent ECU) through the RDA line. The status of the RDA, RDA2, RSS1 and RSS2 lines are diagnosed by the theft warning ECU. If the wireless door lock control system fails, check for DTCs to confirm if the cause is the RDA, RDA2, RSS1 and/or RSS2 line.

WIRING DIAGRAM



INSPECT PROCEDURE

1	CHECK FOR DTCS

(a) Connect the intelligent tester II to the DLC3.
(b) Turn the ignition switch ON.
(c) Check that DTC B1242 is not output.
OK: DTC B1242 is not output.

NG → **Go to B1242 (See page 05–2866)**

OK

2	CHECK WIRELESS DOOR LOCK CONTROL FUNCTIONS (See page 05–2882)

Result	Proceed To
Wireless door lock control functions (power door LOCK/UNLOCK , power window OPEN and remote panic* functions) cannot operate.	A
Wireless door lock function (luggage compartment door open function) cannot operate.	B

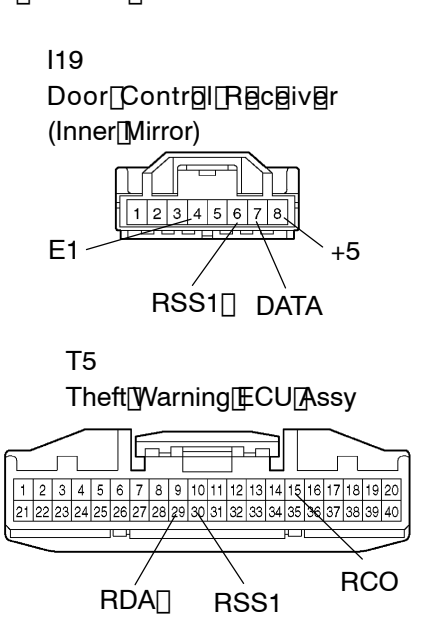
*: Australia only

B → **Go to step 4**

A

3	CHECK WIRE HARNESS (DOOR CONTROL RECEIVER (INNER MIRROR) – THEFT WARNING ECU ASSY AND BODY GROUND)

Wire Harness Side



(a) Disconnect the T5 ECU connector.
(b) Disconnect the I19 receiver connector.
(c) Measure the voltage and resistance of the wire harness side connectors.
Standard:

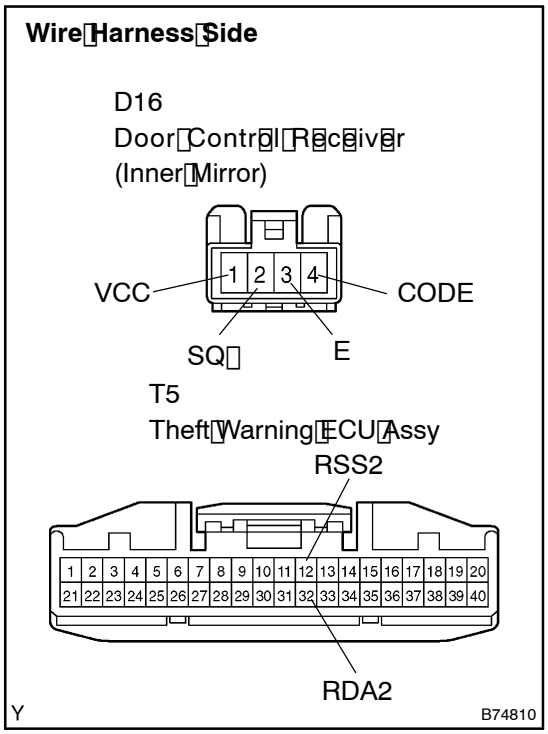
Tester Connection	Specified Condition
I19–7 (DATA) – T5–29 (RDA)	Below 1 Ω
I19–6 (RSS1) – T5–30 (RSS1)	Below 1 Ω
I19–8 (+5) T5–15 (RCO)	Below 1 Ω
I19–8 (+5) – Body ground	Below 1 Ω
I19–5 (E1) – Body ground	Below 1 Ω
I19–7 (DATA) or T5–29 (RDA) – Body ground	10 kΩ or higher
I19–6 (RSS1) or T5–29 (RSS1) – Body ground	10 kΩ or higher

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (See page 05–2852)

4	CHECK WIRE HARNESS (DOOR CONTROL RECEIVER (LUGGAGE) – THEFT WARNING ECU ASSY AND BODY GROUND)



(a) Disconnect the T5 ECU connector.
(b) Disconnect the D16 receiver connector.
(c) Measure the voltage and resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
D16–4 (CODE) – T5–32 (RDA2)	Below 1 Ω
D16–2 (SQ) – T5–12 (RSS2)	Below 1 Ω
D16–1 (VCC) – Body ground	Below 1 Ω
D16–3 (E) – Body ground	Below 1 Ω
D16–4 (CODE) or T5–32 (RDA2) – Body ground	10 kΩ or higher
D16–2 (SQ) or T5–12 (RSS2) – Body ground	10 kΩ or higher

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (See page 05–2852)