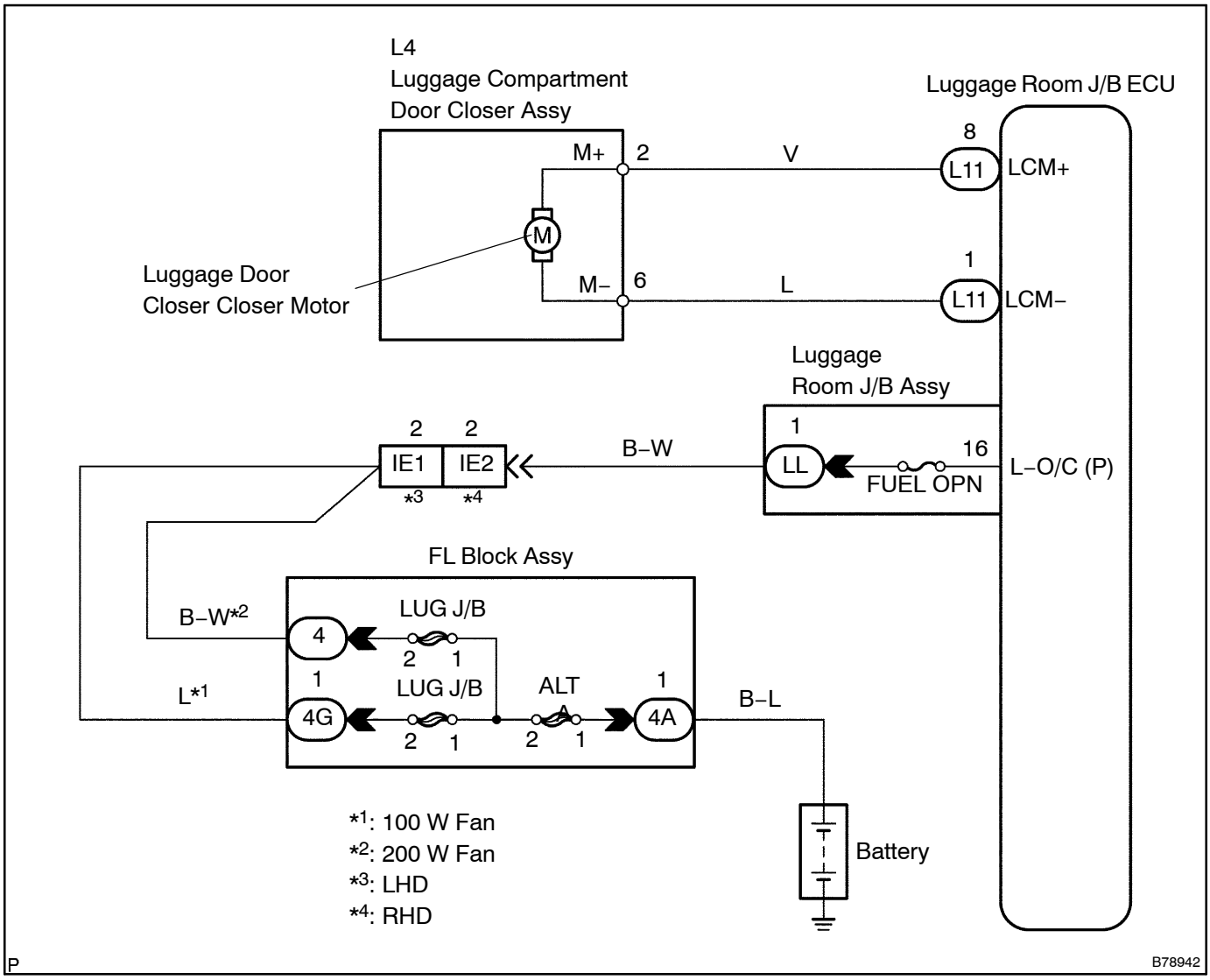
LUGGAGE COMPARTMENT DOOR CLOSER MOTOR CIRCUIT

CIRCUIT DESCRIPTION

Open and close operations of the luggage door is monitored and the signals are sent to the luggage room J/B ECU. The luggage compartment door closer motor is built into the luggage door lock assembly.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	PERFORM ACTIVE TEST USING INTELLIGENT TESTER II

(a) Select the ACTIVE TEST, use the intelligent tester II to generate a control command, and then check the luggage compartment door opener motor.

Luggage room J/B ECU:

Item	Test Detail	Diagnostic Note
Trunk Lid Open	Operate luggage compartment door motor OFF / ON	–

OK: Luggage compartment door is opened.

NG → **Go to step 2**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05–2782)

2	INSPECT FUSE (FUEL OPN)

(a) Remove the FUEL OPN fuse from the luggage room J/B ECU.

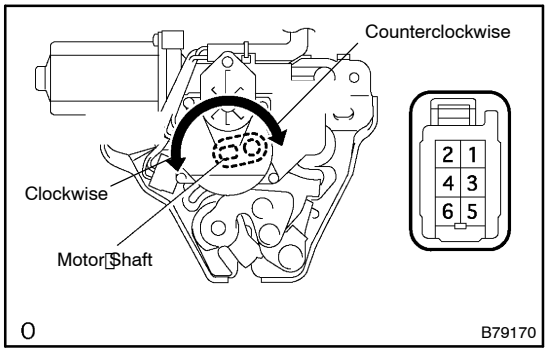
(b) Measure the resistance.

Standard: Below 1 Ω

NG → **REPLACE FUSE**

OK

3	INSPECT LUGGAGE DOOR CLOSER ASSY (OPENER MOTOR)



(a) Apply battery voltage to the luggage compartment door opener motor.

OK:

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 2 Battery negative (–) → Terminal 6	Motor shaft rotates clockwise
Battery positive (+) → Terminal 6 Battery negative (–) → Terminal 2	Motor shaft rotates counterclockwise

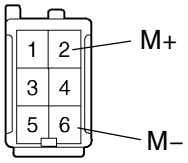
NG → **REPLACE LUGGAGE DOOR CLOSER ASSY**

OK

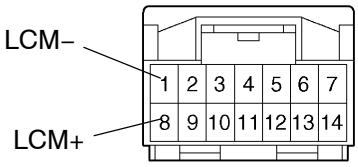
4	CHECK WIRE HARNESS (LUGGAGE DOOR CLOSER MOTOR – LUGGAGE ROOM J/B ECU)

Wire Harness Side

L4
Luggage Compartment
Door Closer Assy



L14
Luggage Room J/B ECU



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(a) Disconnect the L11 ECU connector.
(b) Disconnect the L4 door closer connector.
(c) Measure the resistance between the wire harness side connector.

Standard:

Tester Connection	Specified Condition
L4–2 (M+) – L11–8 (LCM+)	Below 1 Ω
L4–6 (M–) – L11–1 (LCM–)	Below 1 Ω

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

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05–2782)