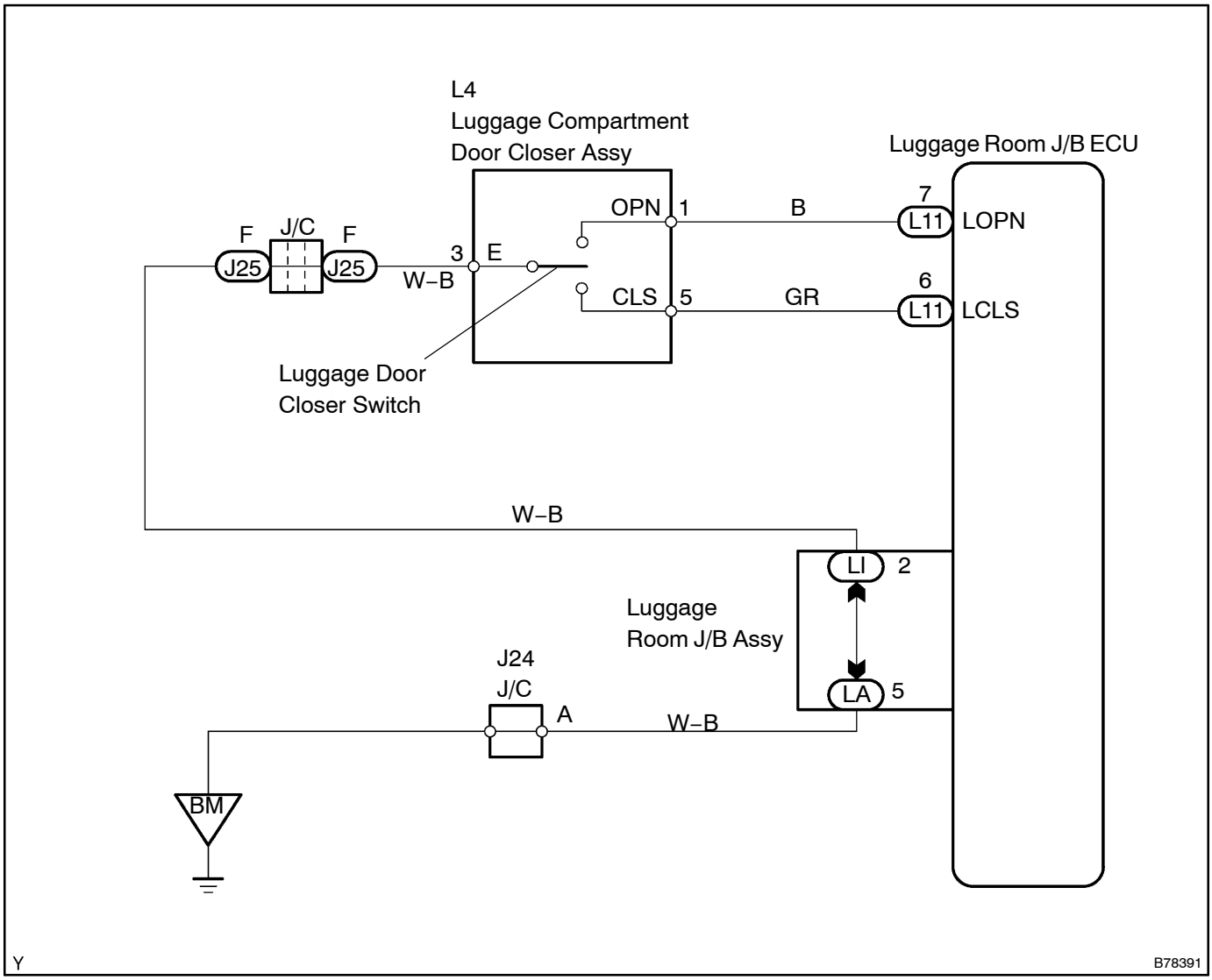
LUGGAGE COMPARTMENT DOOR CLOSER SWITCH CIRCUIT

CIRCUIT DESCRIPTION

The luggage door lock assembly consists of: 1) the luggage closer motor, which performs opener and closer operations based on signals from the luggage room J/B ECU; 2) 2 position detection switches (LOPN, LCLS), which check the position of the closer motor; and 3) the luggage door courtesy switch (LCTY), which sends signals to start/stop the closer operation and illuminates the luggage room light. The luggage door lock switch (BDCY) is built into the luggage door striker assembly, detects whether the luggage door is open or closed, and transmits ON/OFF signals to the luggage room J/B ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER II (LUGGAGE COMPARTMENT DOOR CLOSER SWITCH)

(a) Check the DATA LIST for proper functioning of the luggage compartment door closer switch.
Luggage room J/B ECU:

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
OPEN POS SW	Luggage open position switch signal / ON or OFF	ON: Door is closed OFF: Door is opened	–
CLOSE POS SW	Luggage close position switch signal / ON or OFF	ON: Door is opened OFF: Door is closed	–

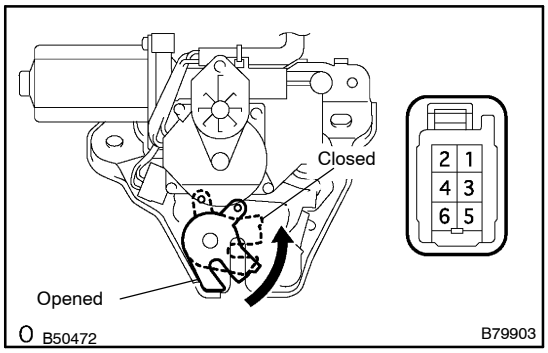
OK: "ON" (luggage compartment door is open/closed) appears on the screen.

NG ▷ **Go to step 2**

OK

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

2	INSPECT LUGGAGE COMPARTMENT DOOR CLOSER SWITCH



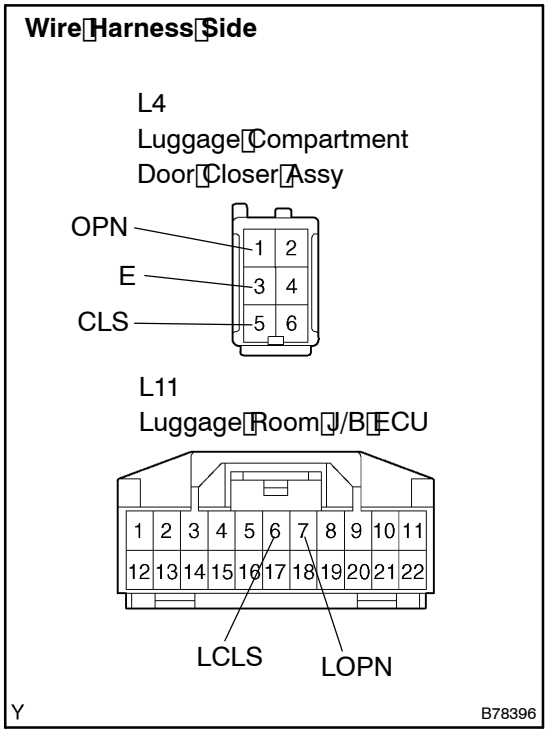
(a) Measure the resistance between the terminals of the connector when the switch is operated.
Standard:

Tester Connection	Switch Condition	Specified Condition
Door opened: 1 – 3	ON	Below 1 Ω
Door closed: 3 – 5	ON	Below 1 Ω
Door opened: 1 – 3	OFF	10 kΩ or higher
Door closed: 3 – 5	OFF	10 kΩ or higher

NG ▷ **REPLACE THE LUGGAGE OPENER SWITCH**

OK

3	CHECK WIRE HARNESS (LUGGAGE COMPARTMENT DOOR CLOSER SWITCH – LUGGAGE ROOM J/B ECU AND BODY GROUND)



(a) Disconnect the L4 closer connector.

(b) Disconnect the L11 ECU connector.

(c) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
L4–1 (OPN) – L11–7 (LOPN)	Below 1 Ω
L4–5 (CLS) – L11–6 (LCLS)	Below 1 Ω
L4–3 – Body ground	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)