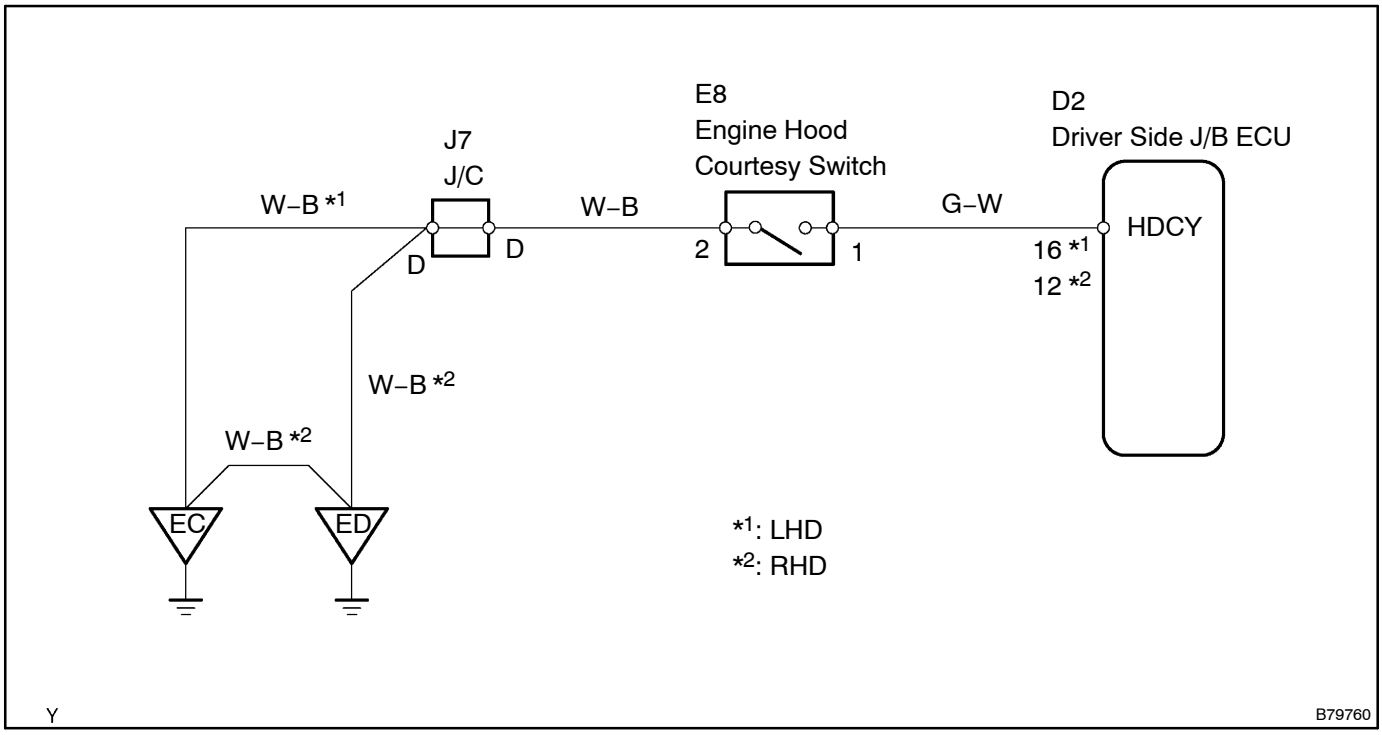
ENGINE HOOD COURTESY SWITCH CIRCUIT

CIRCUIT DESCRIPTION

The engine hood courtesy switch is installed together with the hood lock. This switch turns on when the engine hood is opened and turns off when the engine hood is closed.

WIRING DIAGRAM



1	INSPECT ENGINE HOOD COURTESY SWITCH

(a) Connect the intelligent tester II to the DLC3.
(b) Turn the ignition switch ON and press the intelligent tester II main switch ON.
(c) Select the item below in the DATA LIST and read the value.

Driver side J/B ECU:

Item	Test Details	Normal Condition	Diagnostic Note
Hood Courtesy SW	Engine hood courtesy switch singnal/ON OFF	ON: Engine hood is open OFF: Engine hood is closed	–

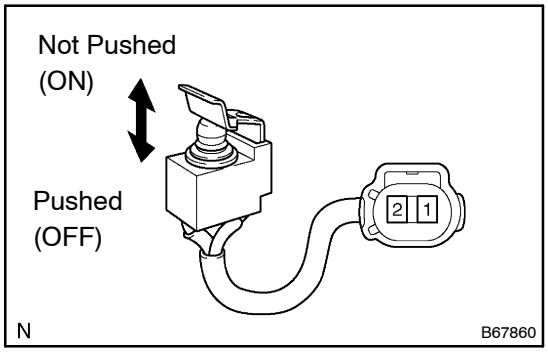
OK: ”ON” (engine hood is open) appears on the screen.

NG → **Go to step 2**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (see page 05–3074).

2 INSPECT ENGINE HOOD COURTESY SWITCH



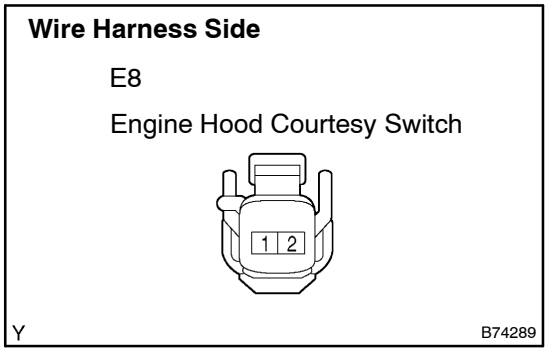
(a) Remove the courtesy switch from the hood lock.
(b) Measure the switch resistance.

Tester Connection	Condition	Specified Condition
1 – 2	Pushed (OFF)	10 kΩ or higher
1 – 2	Not Pushed (ON)	Below 1 Ω

NG → **REPAIR ENGINE HOOD COURTESY SWITCH**

OK

3 CHECK WIRE HARNESS (ENGINE HOOD COURTESY SWITCH – BODY GROUND)



(a) Disconnect the E8 switch connector.
(b) Measure the resistance of the wire harness side connector.
Standard:

Terminal No.	specified Condition
E8–2 – Body ground	Below 1 Ω

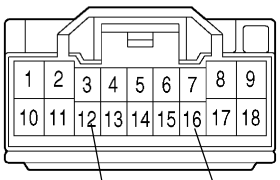
NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

4	CHECK WIRE HARNESS (DRIVER SIDE J/B ECU – ENGINE HOOD COURTESY SWITCH)

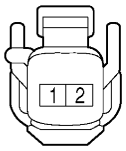
Wire Harness Side

D2
Driver Side J/B ECU



HDCY *2 HDCY *1

E8
Engine Hood Courtesy Switch



*1: LHD
*2: RHD

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(a) Disconnect the D2 J/B ECU connector.
(b) Disconnect the E8 switch connector.
(c) Measure the resistance of the wire harness side connectors.

Standard:

LHD models

Terminal No.	specified Condition
D2–16 (HDCY) – E8–1	Below 1 Ω

RHD models

Terminal No.	specified Condition
D2–12 (HDCY) – E8–1	Below 1 Ω

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

OK

REPLACE DRIVER SIDE J/B ECU