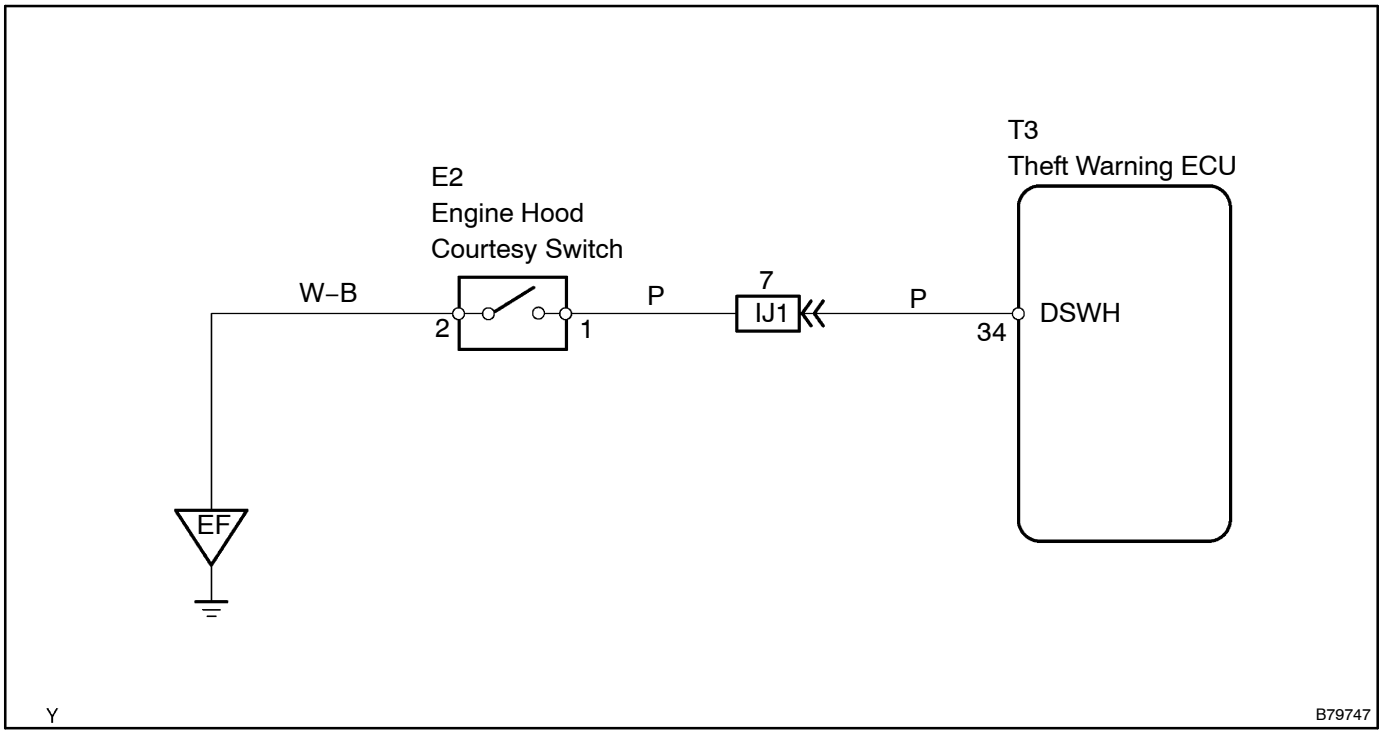
ENGINE HOOD COURTESY SWITCH CIRCUIT

CIRCUIT DESCRIPTION

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

WIRING DIAGRAM



INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.
(b) Turn the power switch ON (IG), and press the intelligent tester II main witch ON.
(c) Select the items below in the DATA LIST, and read the display on the intelligent tester II.

Theft Warning ECU:

Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
Hood Courtesy SW	Engine Hood Courtesy switch signal / ON or OFF	ON: Engine hood is open OFF: Engine hood is close	–

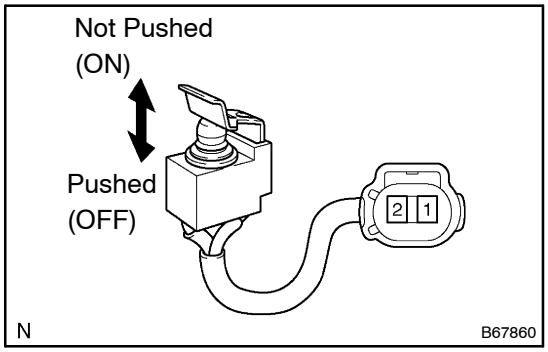
OK: ”ON” (Engine hood is open) appears on the screen.

NG → **Go to step 2**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05–2209

2 INSPECT ENGINE HOOD COURTESY SWITCH



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

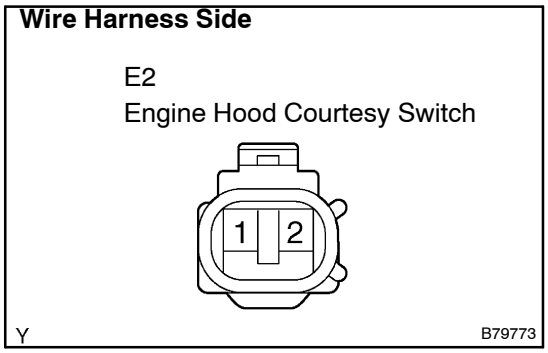
Standard:

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

NG → **REPLACE ENGINE HOOD COURTESY SWITCH**

OK

3 CHECK WIRE HARNESS



(a) Disconnect the E2 switch connector.
(b) Measure the resistance between the wire harness side connector and body ground.

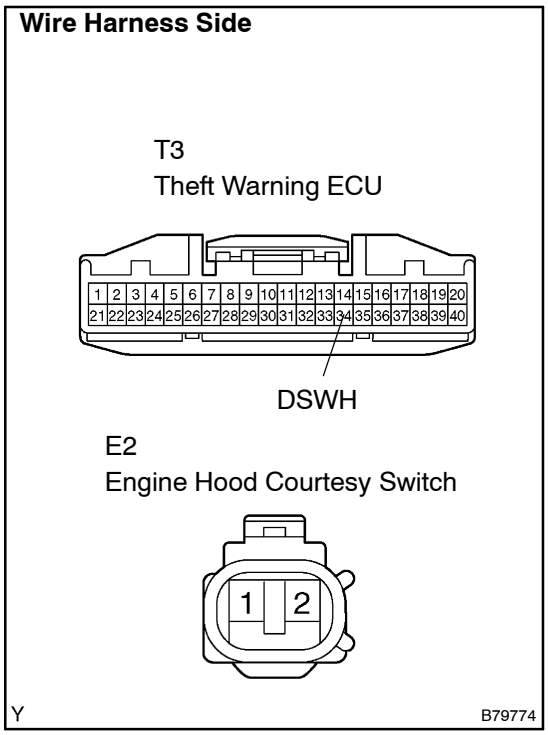
Standard:

Tester Connection	Specified Condition
E2–2 – Body ground	Below 1 Ω

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

OK

4 CHECK WIRE HARNESS



(a) Disconnect the T3 ECU connector.
(b) Disconnect the E2 switch connector.
(c) Measure the resistance between the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
T3–34 (DSWH) – E2–1	Below 1 Ω

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05–2209)