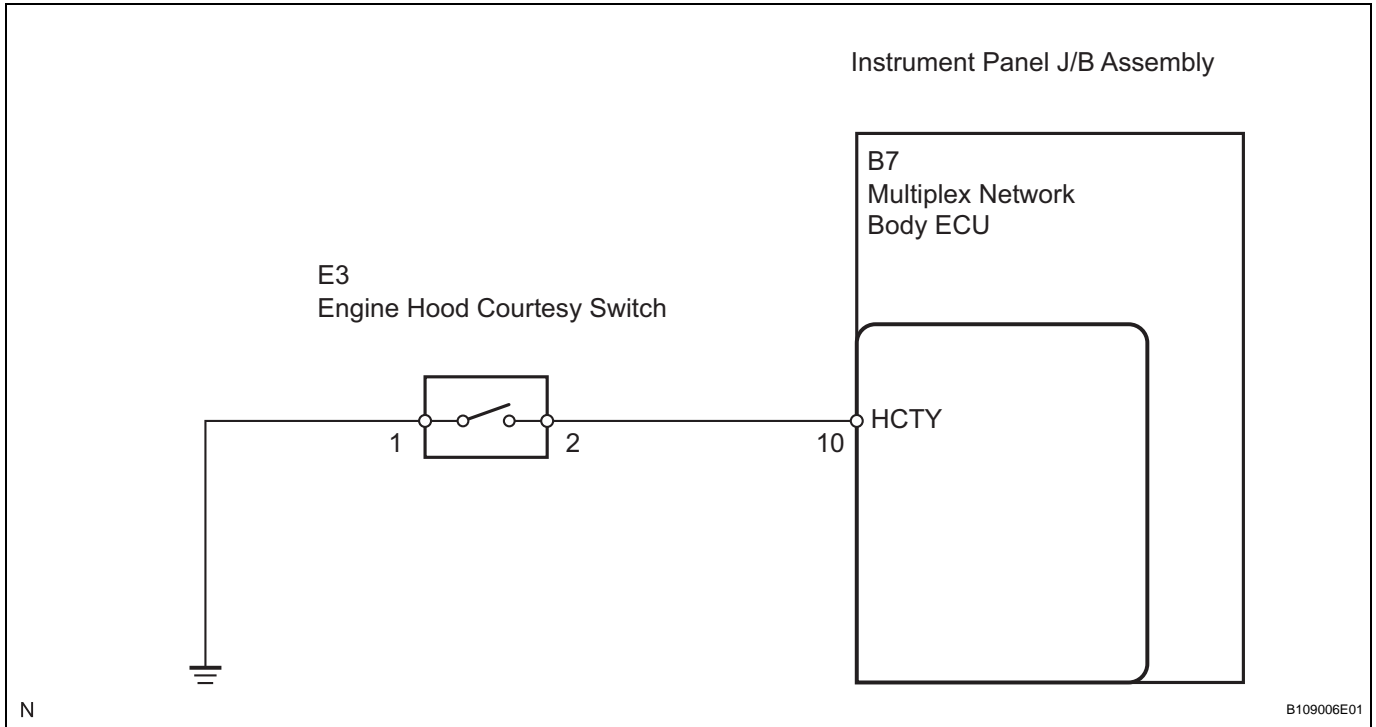


Engine Hood Courtesy Switch Circuit

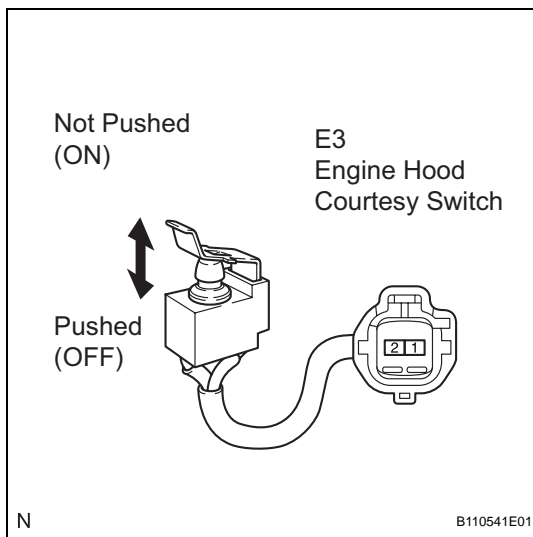
DESCRIPTION

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



- Remove the courtesy switch from the hood lock.
- Measure the resistance according to the value(s) in the table below.

Standard resistance

| Tester Connection | Switch Position | Specified Condition |
|-------------------|-----------------|----------------------|
| 1 - 2 | Pushed (OFF) | 10 k Ω higher |
| | Free (ON) | Below 1 Ω |

NG

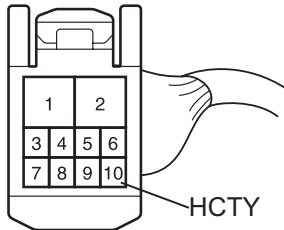
REPLACE ENGINE HOOD COURTESY SWITCH

OK

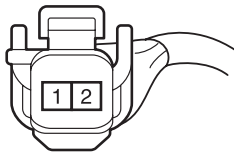
2 CHECK HARNESS AND CONNECTOR (MULTIPLEX NETWORK BODY ECU - ENGINE HOOD COURTESY SWITCH)

Wire Harness Side Connector Front View:

B7
Multiplex Network Body ECU



E3
Engine Hood Courtesy Switch



N

B110523E01

- (a) Disconnect the B7 ECU and E3 switch connectors.
- (b) Measure the resistance according to the value(s) in the table below.

Standard resistance

| Tester Connection | Specified Condition |
|--------------------------------------|----------------------|
| HCTY (B7-10) - (E3-2) | Below 1 Ω |
| HCTY (B7-10) or (E3-2) - Body ground | 10 k Ω higher |

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

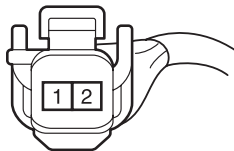
TD

OK

3 CHECK HARNESS AND CONNECTOR (ENGINE HOOD COURTESY SWITCH - BODY GROUND)

Wire Harness Side Connector Front View:

E3
Engine Hood Courtesy Switch



N

B110524E01

- (a) Disconnect the E3 switch connector.
- (b) Measure the resistance according to the value(s) in the table below.

Standard resistance

| Tester Connection | Specified Condition |
|--------------------|---------------------|
| E3-1 - Body ground | Below 1 Ω |

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE