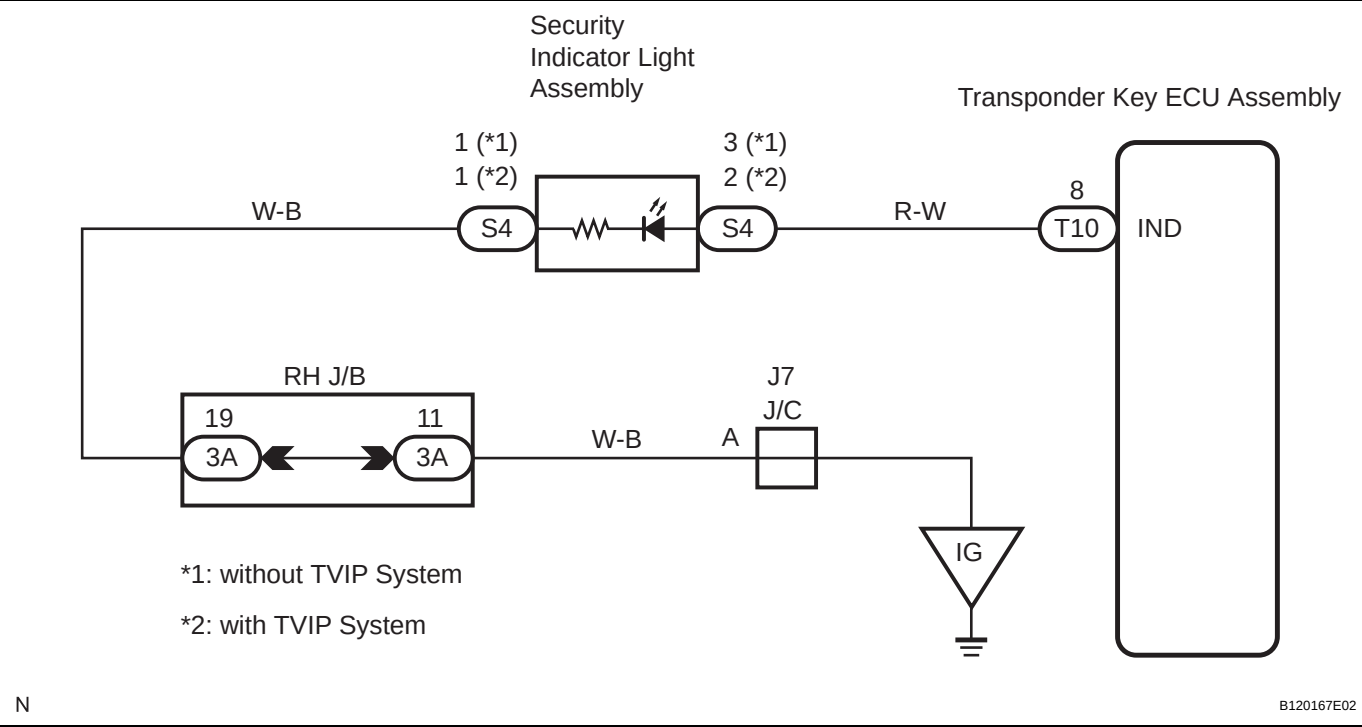


Security Indicator Light Circuit

DESCRIPTION

When the transponder key is registered, the transponder key ECU assembly outputs the key registration condition by lighting up, blinking or turning off the security indicator.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 PERFORM ACTIVE TEST BY INTELLIGENT TESTER

- (a) Connect the intelligent tester (with CAN VIM) to the DLC3.
- (b) Turn the ignition switch ON.
- (c) Perform the ACTIVE TEST according to the display on the tester.

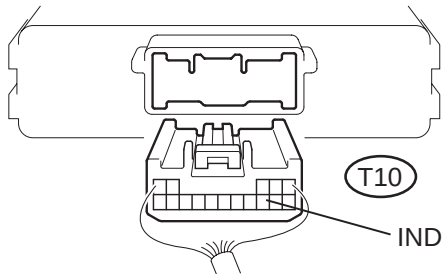
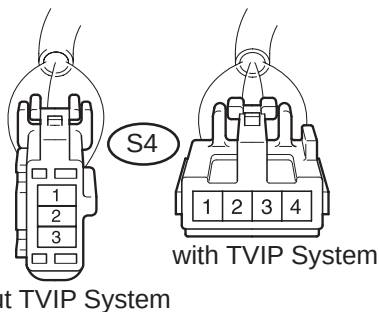
Transponder key ECU:

| Item           | Tester Details                 | Diagnostic Note |
|----------------|--------------------------------|-----------------|
| SECURITY INDIC | Turn security indicator ON/OFF | -               |

OK PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

NG

## 2

**CHECK HARNESS AND CONNECTOR (TRANSPONDER KEY ECU - SECURITY INDICATOR LIGHT)****Transponder Key ECU Assembly:****Wire Harness Rear View:****Security Indicator Assembly:****Wire Harness Front View:**

P

B120168E01

- (a) Disconnect the T10 ECU and S4 indicator connectors.  
 (b) Measure the resistance according to the value(s) in the table below.

**Standard resistance**

| Tester Connection                | Condition | Specified Condition     |
|----------------------------------|-----------|-------------------------|
| T10-8 (IND) - S4-3 *1 or S4-2 *2 | Always    | Below 1 $\Omega$        |
| T10-8 (IND) - Body ground        | Always    | 10 k $\Omega$ or higher |

\*1: without TVIP System

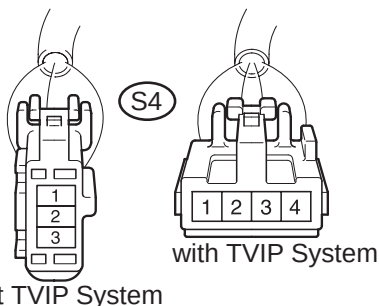
\*2: with TVIP System

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**REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

## 3

**CHECK HARNESS AND CONNECTOR (SECURITY INDICATOR LIGHT - BODY GROUND)****Security Indicator Assembly:****Wire Harness Front View:**

P

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- (a) Measure the resistance according to the value(s) in the table below.

**Standard resistance**

| Tester Connection  | Condition | Specified Condition |
|--------------------|-----------|---------------------|
| S4-1 - Body ground | Always    | Below 1 $\Omega$    |

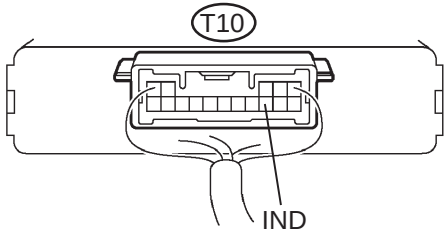
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**REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

4 INSPECT TRANSPONDER KEY ECU ASSEMBLY

Wire Harness Rear View:



H

B087039E06

- (a) Reconnect the T10 ECU and S4 indicator connectors.
- (b) Measure the voltage according to the value(s) in the table below.

Standard voltage

| Tester Connection         | Condition                         | Specified Condition |
|---------------------------|-----------------------------------|---------------------|
| T10-8 (IND) - Body ground | Security indicator light comes on | 10 to 14 V          |
| T10-8 (IND) - Body ground | Security indicator light goes off | Below 1 V           |

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REPLACE TRANSPONDER KEY ECU ASSEMBLY

OK

REPLACE SECURITY INDICATOR LIGHT ASSEMBLY

EI