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|--|---------------------------|--------------------------------------|
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| <b>Model Year Start:</b> 2023  | <b>Model:</b> Prius Prime | <b>Prod Date Range:</b> [12/2022 - ] |
| <b>Title:</b> LIGHTING (EXT): HEADLIGHT LEVELING SWITCH: INSPECTION; 2023 - 2024 MY Prius Prius Prime [12/2022 - ] |                           |                                      |

## INSPECTION

## PROCEDURE

### 1. INSPECT HEADLIGHT LEVELING SWITCH

#### (a) Voltage Check

- (1) Connect a positive (+) lead from the auxiliary battery to terminal K97-5 (B) and a negative (-) lead to terminal K97-2 (E).
- (2) Measure the voltage according to the value(s) in the table below.

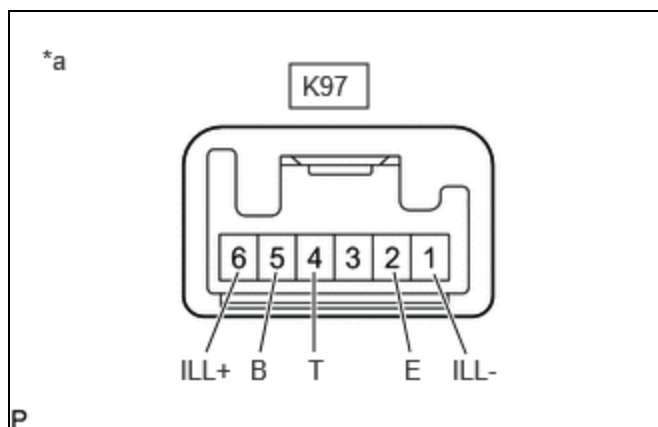
Standard Voltage:



[Click Location & Routing\(K97\)](#)

[Click Connector\(K97\)](#)

| TESTER CONNECTION     | CONDITION | SPECIFIED CONDITION | RESULT |
|-----------------------|-----------|---------------------|--------|
| K97-4 (T) - K97-2 (E) | 0         | 10.44 to 11.16 V    | V      |
| K97-4 (T) - K97-2 (E) | 1         | 9.17 to 9.88 V      | V      |
| K97-4 (T) - K97-2 (E) | 2         | 7.89 to 8.60 V      | V      |
| K97-4 (T) - K97-2 (E) | 3         | 6.61 to 7.32 V      | V      |
| K97-4 (T) - K97-2 (E) | 4         | 5.33 to 6.04 V      | V      |
| K97-4 (T) - K97-2 (E) | 5         | 4.05 to 4.76 V      | V      |



|    |   |
|----|---|
| *a | Component without harness connected (Headlight Leveling Switch) |
|----|---|

#### **HINT:**

Auxiliary battery voltage is 12 V.

If the result is not as specified, replace the headlight leveling switch.

#### (b) Illumination Inspection

- (1) Apply auxiliary battery voltage to the headlight leveling switch and check that the switch illuminates.

OK:

| MEASUREMENT CONDITION  | CONDITION | SPECIFIED CONDITION             |
|--|-----------|---------------------------------|
| Auxiliary battery positive (+) → Terminal K97-6 (ILL+)<br>Auxiliary battery negative (-) → Terminal K97-1 (ILL-) | Always    | Switch illumination illuminates |

If the result is not as specified, replace the headlight leveling switch.

