| | | |
|---|---|---|
| **Last Modified:** 12-04-2024 | 6.11:8.1.0 | **Doc ID:** RM1000000029ODY |
| **Model Year Start:** 2023 | **Model:** Prius Prime | **Prod Date Range:** [12/2022 - ] |
| **Title:** WIPER / WASHER: RAIN SENSOR: ON-VEHICLE INSPECTION; 2023 - 2024 MY Prius Prius Prime [12/2022 - ] | | |

# ON-VEHICLE INSPECTION

# PROCEDURE

### 1. INSPECT RAIN SENSOR

Pre-procedure1

(a) Disconnect the rain sensor connector.

Procedure1

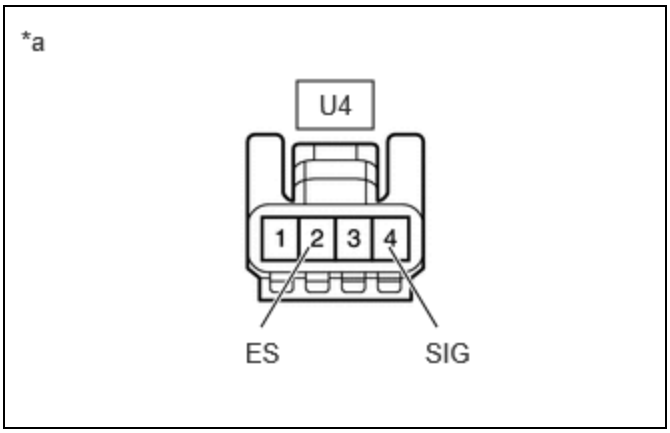
(b) Measure the voltage according to the value(s) in the table below.

Standard Voltage:

EWD INFO

Click Location & Routing(U4)
Click Connector(U4)

| TESTER CONNECTION | CONDITION | SPECIFIED CONDITION | RESULT |
|---|---|---|---|
| U4-4(SIG) - U4-2(ES) | IG OFF | Below 1 V | V |
| U4-4(SIG) - U4-2(ES) | IG ON | 11 to 14 V | V |




| | |
|---|---|
| *a | Front view of wire harness connector (to Rain Sensor) |

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

Standard Resistance:

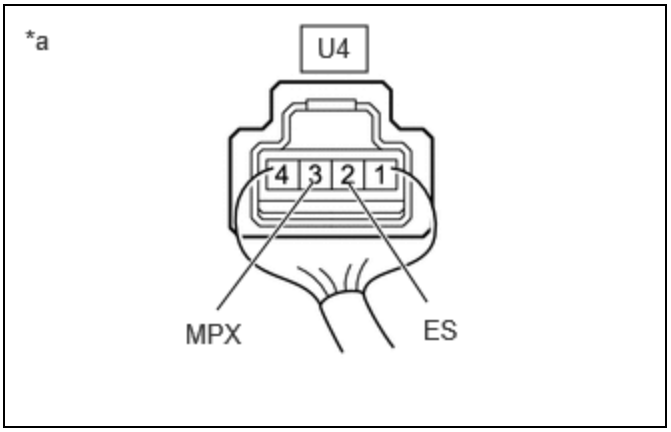
EWD INFO

Click Location & Routing(U4)
Click Connector(U4)

| TESTER CONNECTION | CONDITION | SPECIFIED CONDITION | RESULT |
|---|---|---|---|
| U4-2(ES) - Body ground | Always | Below 1 Ω | Ω |

Post-procedure1

(d) Reconnect the rain sensor connector.




| | |
|---|---|
| *a | Component with harness connected (Rain Sensor) |

Procedure2

(e) Connect an oscilloscope to the rain sensor connector.

OK:

EWD INFO

**Click Location & Routing(U4)**
**Click Connector(U4)**

| TESTER CONNECTION | CONDITION | SPECIFIED CONDITION |
|---|---|---|
| U4-3(MPX) - U4-2(ES) | Ignition switch ON<br>Front wiper switch Auto | Pulse generation |

**HINT:**

If the result is not as specified, replace the rain sensor.