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|---|---|---|
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| **Model Year Start:** 2023 | **Model:** Prius Prime | **Prod Date Range:** [12/2022 - ] |
| **Title:** MAINTENANCE: TIRE AND WHEEL: INSPECTION; 2023 - 2024 MY Prius Prius Prime [12/2022 - ] | | |

# INSPECTION

# PROCEDURE

### 1. INSPECT TIRES

(a) Inspect the tires for wear and proper inflation pressure.

Cold Tire Inflation Pressure:

| TIRE SIZE | SPECIFIED CONDITION | RESULT |
|---|---|---|
| 195/60R17 90H (Front)*1 | 240 kPa<br>2.4 kgf/cm $^2$<br>35 psi | kPa<br>kgf/cm2<br>psi |
| 195/60R17 90H (Rear)*1 | 230 kPa<br>2.3 kgf/cm $^2$<br>33 psi | kPa<br>kgf/cm2<br>psi |
| 195/60R17 90H (Front)*2 | 250 kPa<br>2.5 kgf/cm $^2$<br>36 psi | kPa<br>kgf/cm2<br>psi |
| 195/60R17 90H (Rear)*2 | 240 kPa<br>2.4 kgf/cm $^2$<br>35 psi | kPa<br>kgf/cm2<br>psi |
| 195/50R19 88H (Front) | 240 kPa<br>2.4 kgf/cm $^2$<br>35 psi | kPa<br>kgf/cm2<br>psi |
| 195/50R19 88H (Rear) | 230 kPa<br>2.3 kgf/cm $^2$<br>33 psi | kPa<br>kgf/cm2<br>psi |
| *1: for Rough Road Area Specification<br>*2: except Rough Road Area Specification | | |

Cold Tire Inflation Pressure (for Compact Spare Tire):

| TIRE SIZE | SPECIFIED CONDITION | RESULT |
|---|---|---|
| T145/90D16 106M | 420 kPa<br>4.2 kgf/cm $^2$<br>60 psi | kPa<br>kgf/cm2<br>psi |

(1) Perform initialization.

**HINT:**

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(2) Tire pressure adjustment method when warm:

1. Adjust the tire pressure so that the displayed value is equal to the set pressure.
2. Perform initialization and check that initialization completes.

**HINT:**

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3. Check and record the value of the Data List item "Temperature in Tire". (Ts)
4. Check and record the ambient temperature during tire pressure adjustment. (Tm)
5. Readjust the tire pressure according to the difference between the tire internal temperature (Ts) and the ambient temperature (Tm). (P)

**HINT:**

Tire internal temperature: Ts, Ambient temperature: Tm, Tire pressure readjustment value: P

P = (Specified Pressure) + (Ts - Tm)

6. Check the pressure adjustment value with the Data List item "Tire Inflation Pressure".

**Chassis > Tire Pressure Monitor > Data List**

| TESTER DISPLAY |
| --- |
| ID 1 Temperature in Tire |
| ID 2 Temperature in Tire |
| ID 3 Temperature in Tire |
| ID 4 Temperature in Tire |
| ID 1 Tire Inflation Pressure |
| ID 2 Tire Inflation Pressure |
| ID 3 Tire Inflation Pressure |
| ID 4 Tire Inflation Pressure |

## 2. ROTATE TIRES

Pre-procedure1

(a) Remove the wheel assembly.

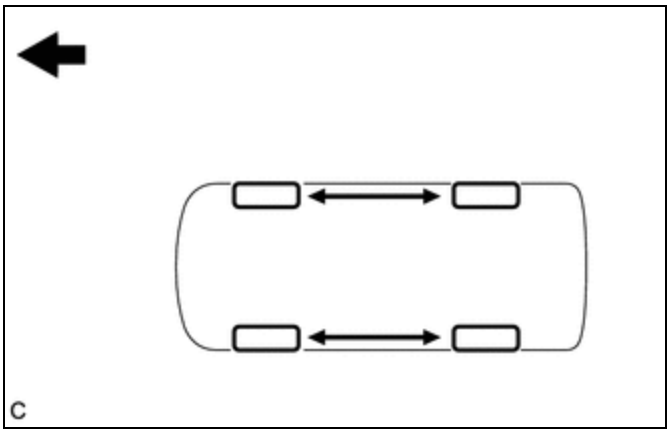
**HINT:**

Click here INFO

Procedure1

(b) except Mexico:

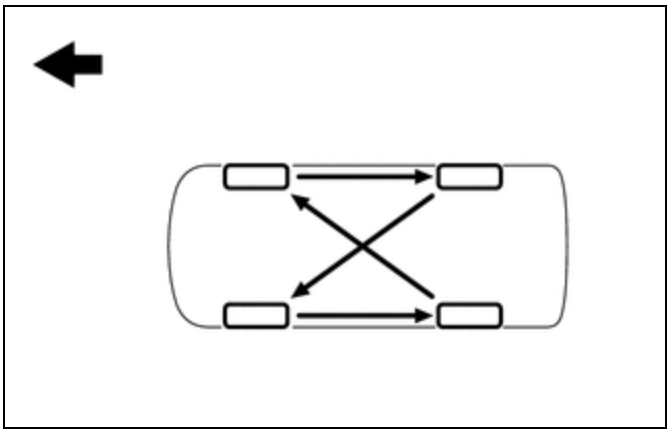
(1) Rotate the tires as shown in the illustration.




| | |
|---|---|
| | Front |

(c) for Mexico:

(1) Rotate the tires as shown in the illustration.



| | |
|---|---|
| | Front |

Post-procedure1

(d) Install the wheel assembly.

**HINT:**

Click here INFO

(e) Perform initialization.

**HINT:**

Refer to Procedures Necessary When Replacing Parts (for Tire Pressure Warning System).

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### 3. INSPECT AND ADJUST WHEEL BALANCE

(a) Inspect and adjust the off-the-car balance.

(1) for Steel Wheel:

Maximum Wheel Imbalance:

| SPECIFIED CONDITION | RESULT |
|---|---|
| 8.0 g<br>0.0176 lb | g<br>lb |

**HINT:**

Use clip-on type balance weights for both the inner and outer side.

(2) for Alloy Wheel:

Maximum Wheel Imbalance:

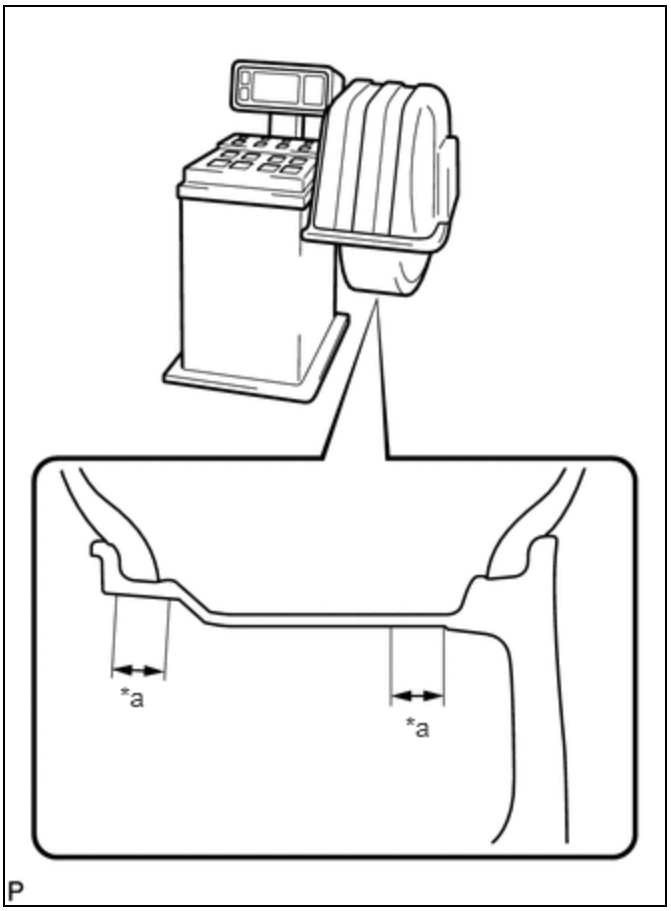
| SPECIFIED CONDITION | RESULT |
|---|---|
| 8.0 g<br>0.0176 lb | g<br>lb |

**NOTICE:**

- Use a cleaning detergent to remove dirt, oil and water from the surface where the balance weight is to be adhered.
- Do not touch the adhesive surface of the balance weight.
- Adhere a stick-on type balance weight to the flat surface*a shown in the illustration.
- Push the balance weight with your finger to securely adhere it to the desired position.
- Do not reuse balance weights.
- Use only TOYOTA genuine stick-on type balance weights or equivalent.

**HINT:**

Use stick-on type balance weights for both the inner and outer side.




| | |
|---|---|
| *a | 25 mm (0.984 in.) |

(b) If the tires vibrate even after the off-the-car balance adjustment, adjust the wheel balance with on-the-car balancing as necessary.

## 4. INSPECT FRONT AXLE HUB BEARING

**HINT:**

Click here INFO

## 5. INSPECT REAR AXLE HUB BEARING

**HINT:**

for 2WD: Click here INFO

for AWD: Click here INFO