

Your Current Vehicle: 2014 Toyota Prius V

On-Vehicle Inspection (2014 Prius V From 08/2013)

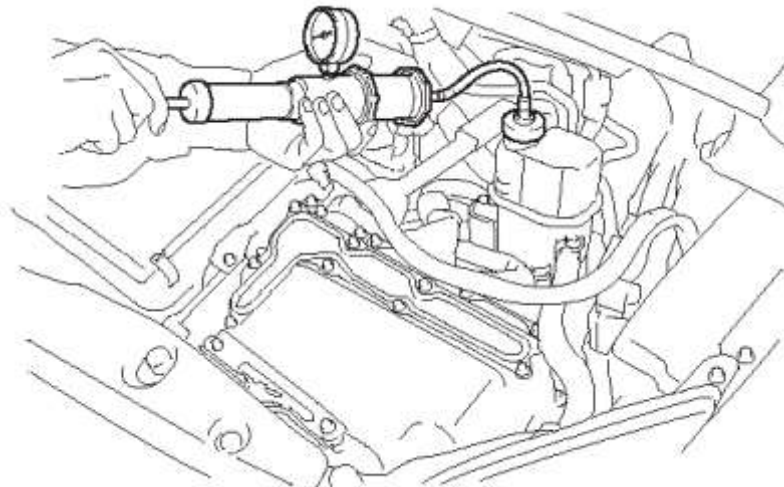
1. INSPECT FOR COOLANT LEAK (for Inverter)

- Remove the reserve tank cap.

WARNING

To avoid the danger of being burned, do not remove the reserve tank cap while the coolant for the inverter is still hot.

- Install a radiator cap tester.



[Click to Enlarge](#)

- Pump the radiator cap tester to 122 kPa (1.2 kgf/cm², 18 psi), and then check that the pressure does not drop.

NOTE

HINT:

If the pressure drops, check the hoses, radiator, inverter water pump assembly, inverter with converter, and hybrid vehicle transaxle assembly for leaks.

- Reinstall the reserve tank cap.

2. INSPECT COOLANT LEVEL IN RESERVE TANK (for Inverter)

- The coolant should be between the low and full lines when the coolant for the inverter is cold.

NOTE

HINT:

If the coolant level is low, check for leaks and add TOYOTA Super Long Life Coolant (SLLC) or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology up to the full line.

3. INSPECT COOLANT (for Inverter)

- Remove the reserve tank cap.

WARNING

To avoid the danger of being burned, do not remove the reserve tank cap while the coolant for the inverter is still hot.

- Check for excessive deposits of rust or scale on and around the reserve tank cap and its opening.

NOTE

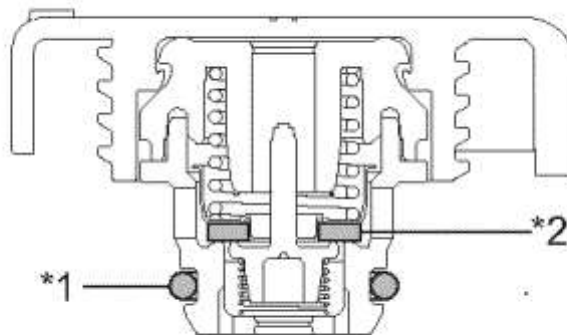
HINT:

If excessively dirty, replace the coolant for the inverter.

- Reinstall the reserve tank cap.

4. INSPECT RESERVE TANK CAP (for Inverter)

- Inspect the reserve tank cap.



C

Click to Enlarge

Text in Illustration

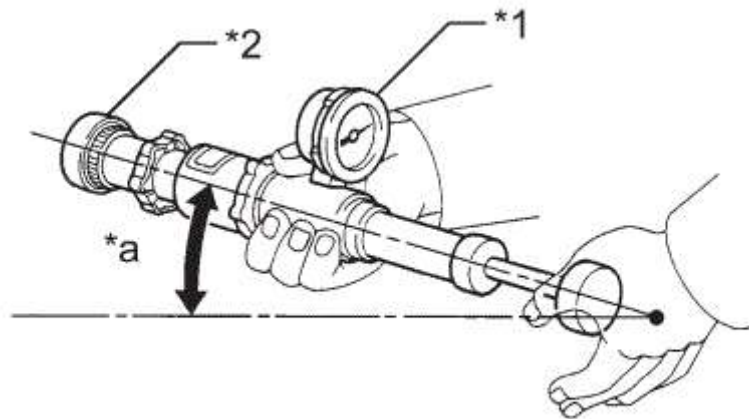
*1	O-ring
*2	Rubber Packing

- If there are water stains or foreign matter on the O-ring, clean it with water and finger scouring.

NOTE

Do not use any tools.

- Check that the O-ring is not deformed, cracked, or damaged.
- Check that the O-ring is not swollen.
- Check the reserve tank cap operation.



Click to Enlarge

Text in Illustration

*1	Radiator Cap Tester
*2	Reserve Tank Cap
*a	30° or more

- Apply coolant (for inverter) to the O-ring and rubber packing before using a radiator cap tester.
- Install the reserve tank cap to the radiator cap tester.
- Pump the cap tester several times, and check the maximum pressure.

Judgment Criterion

Standard value (for brand-new cap)	94 to 122 kPa (1.0 to 1.2 kgf/cm ² , 13.6 to 18 psi)
Minimum standard value (for used cap)	94 kPa (1.0 kgf/cm ² , 13.6 psi)
Pump speed	1 pump per second

NOTE
When using the cap tester, tilt it 30° or more.

NOTE
HINT:

If the maximum pressure is less than the minimum standard value, replace the reserve tank cap.