

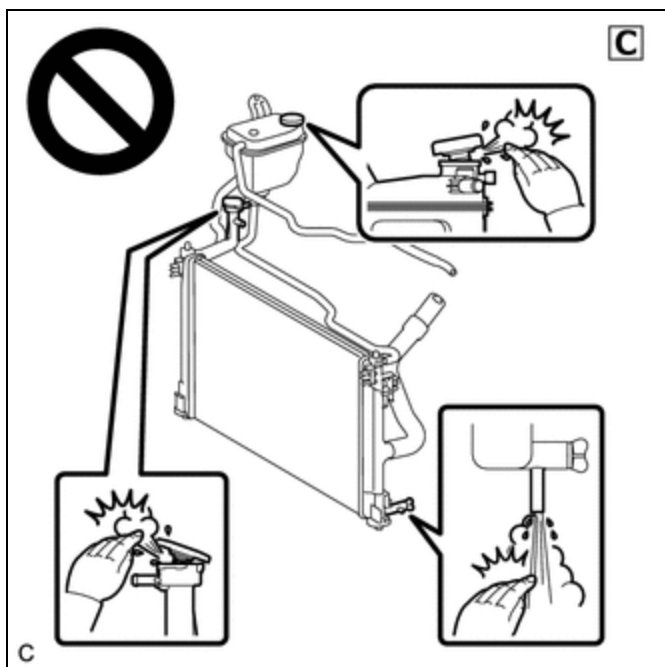
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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: M20A-FXS (COOLING): COOLING SYSTEM: ON-VEHICLE INSPECTION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

ON-VEHICLE INSPECTION

CAUTION / NOTICE / HINT

CAUTION:

Do not remove the reserve tank cap, radiator cap sub-assembly or radiator drain cock plug while the engine and radiator assembly are still hot. Pressurized, hot engine coolant and steam may be released and cause serious burns.



PROCEDURE

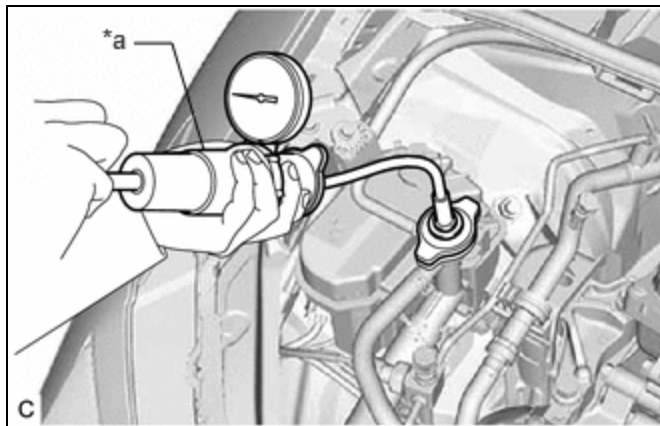
1. INSPECT FOR COOLANT LEAK (for Engine)

CAUTION:

Do not remove the reserve tank cap, radiator cap sub-assembly or radiator drain cock plug while the engine and radiator assembly are still hot. Pressurized, hot engine coolant and steam may be released and cause serious burns.

Pre-procedure1

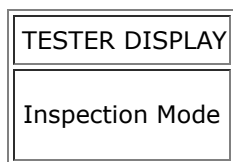
- (a) Remove the radiator cap sub-assembly.
- (b) Add engine coolant to the MAX line of the radiator reserve tank assembly.
- (c) Install a radiator cap tester.



*a	Radiator Cap Tester
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(d) Put the engine in Inspection Mode (Maintenance Mode).

Powertrain > Hybrid Control > Utility



(e) Warm up the engine.

Procedure1

(f) Pump the radiator cap tester to 103 kPa (1.1 kgf/cm², 15 psi), and then check that the pressure does not drop.

- If the pressure drops, check the hoses, radiator assembly and engine water pump assembly (water inlet housing) for leaks.
- If there are no signs of external engine coolant leaks, check the heater core, cylinder block sub-assembly and cylinder head sub-assembly.

Post-procedure1

(g) Remove the radiator cap tester.

(h) Install the radiator cap sub-assembly.

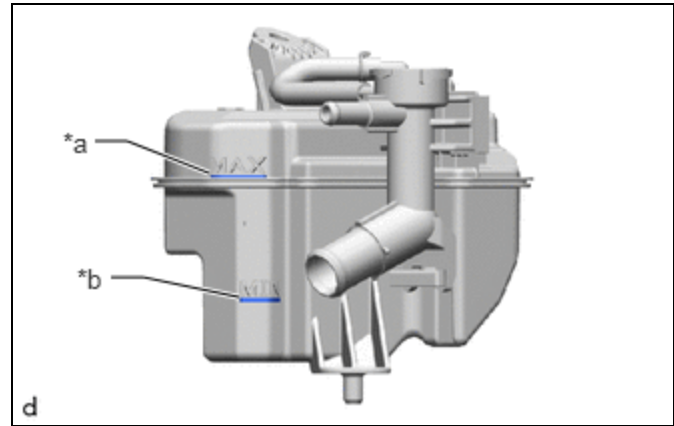
2. INSPECT RADIATOR RESERVE TANK ENGINE COOLANT LEVEL (for Engine)

(a) Check that the engine coolant level is between the MIN line and MAX line when the engine is cold.

If the engine coolant level is low, check for leaks and add engine coolant to the MAX line.

NOTICE:

Do not substitute plain water for engine coolant.



*a	MAX Line
*b	MIN Line

3. INSPECT ENGINE COOLANT QUALITY (for Engine)

CAUTION:

Do not remove the reserve tank cap, radiator cap sub-assembly or radiator drain cock plug while the engine and radiator assembly are still hot. Pressurized, hot engine coolant and steam may be released and cause serious burns.

Pre-procedure1

- (a) Remove the radiator cap sub-assembly.

Procedure1

- (b) Check that there are no excessive deposits of rust or scale around the radiator cap sub-assembly and water filler hole. Also, the engine coolant should be free of oil.

If excessively dirty, clean the engine coolant passage and replace the engine coolant.

Post-procedure1

- (c) Install the radiator cap sub-assembly.

