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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: M20A-FXS (COOLING): WATER PUMP: INSTALLATION; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

INSTALLATION

CAUTION / NOTICE / HINT

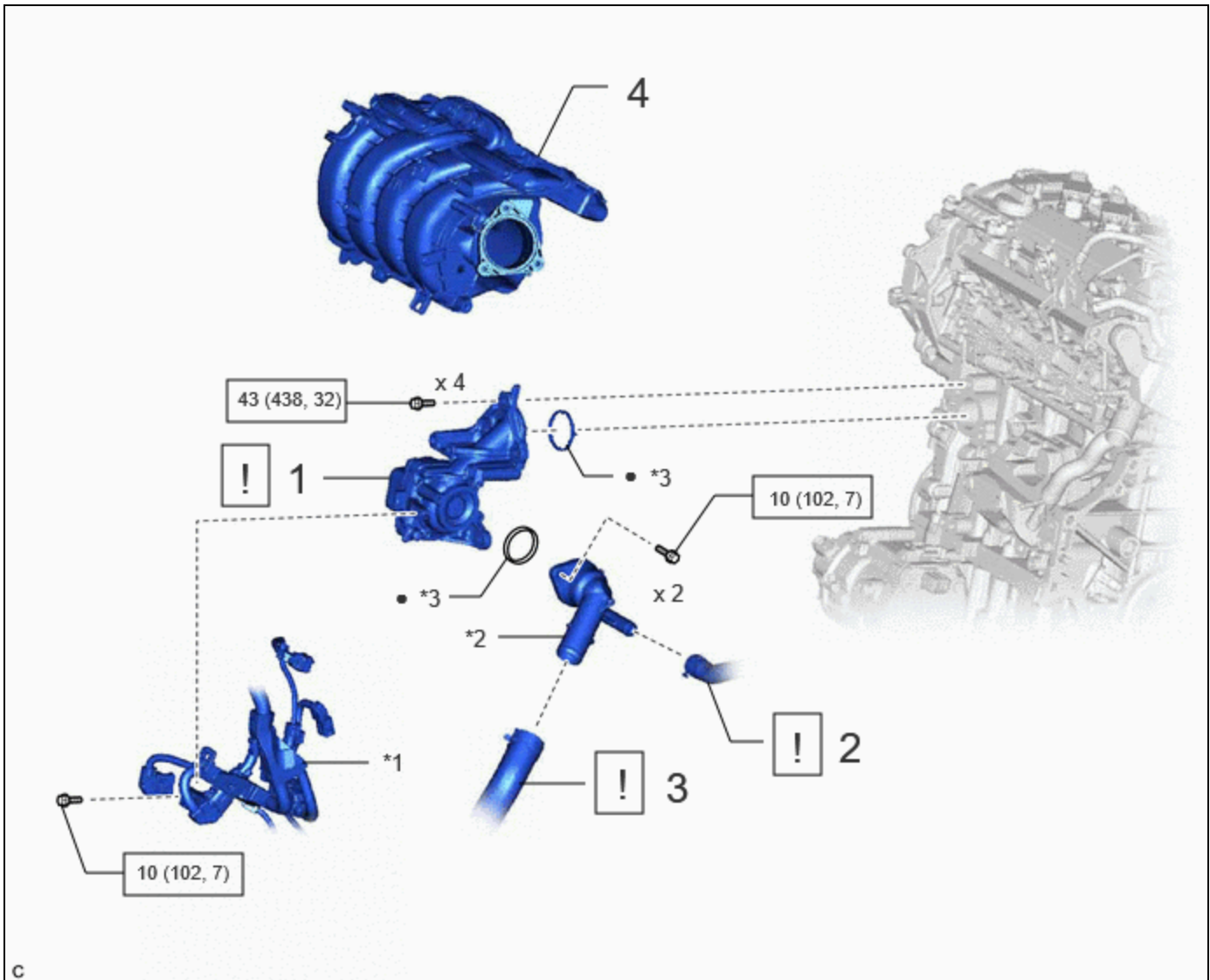
NOTICE:




This procedure includes the installation of small-head bolts. Refer to Small-Head Bolts of Basic Repair Hint to identify the small-head bolts.


Click here [INFO](#)

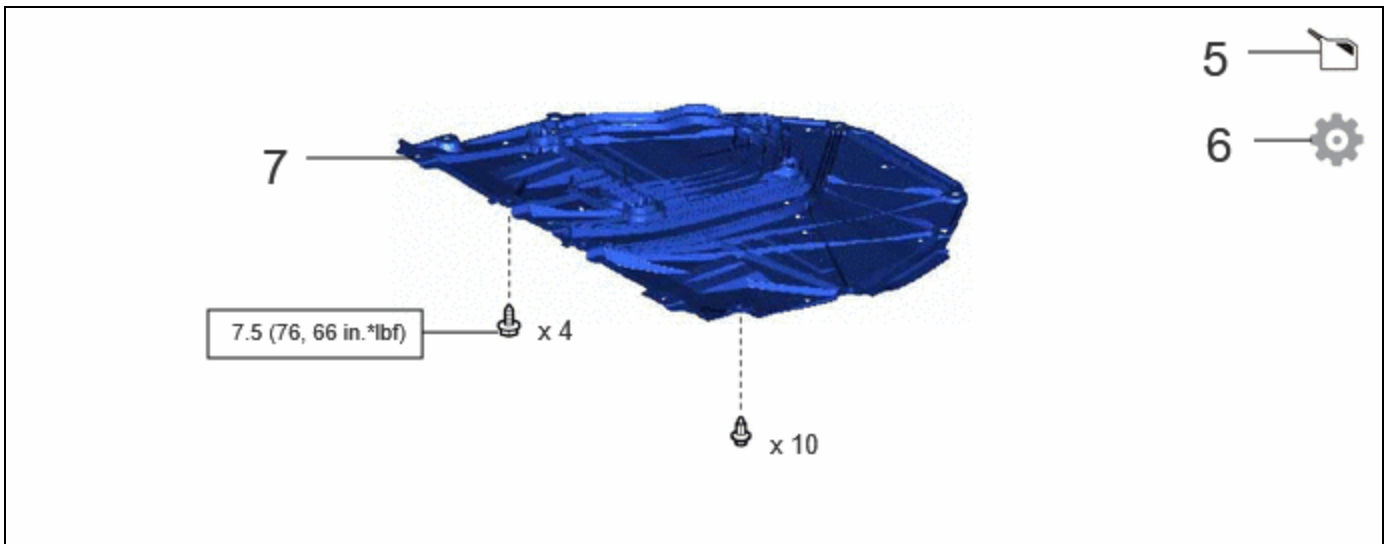
CAUTION / NOTICE / HINT




COMPONENTS (INSTALLATION)




	PROCEDURE	PART NAME CODE			
1	ENGINE WATER PUMP ASSEMBLY (WATER INLET HOUSING)	16032	INFO	-	-
2	NO. 7 WATER BY-PASS HOSE	16295	INFO	-	-
3	NO. 2 RADIATOR HOSE	16572D	INFO	-	-
4	INTAKE MANIFOLD	17111	-	-	-

*1	SENSOR WIRE	*2	WATER INLET WITH THERMOSTAT SUB-ASSEMBLY
*3	GASKET	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	•	Non-reusable part

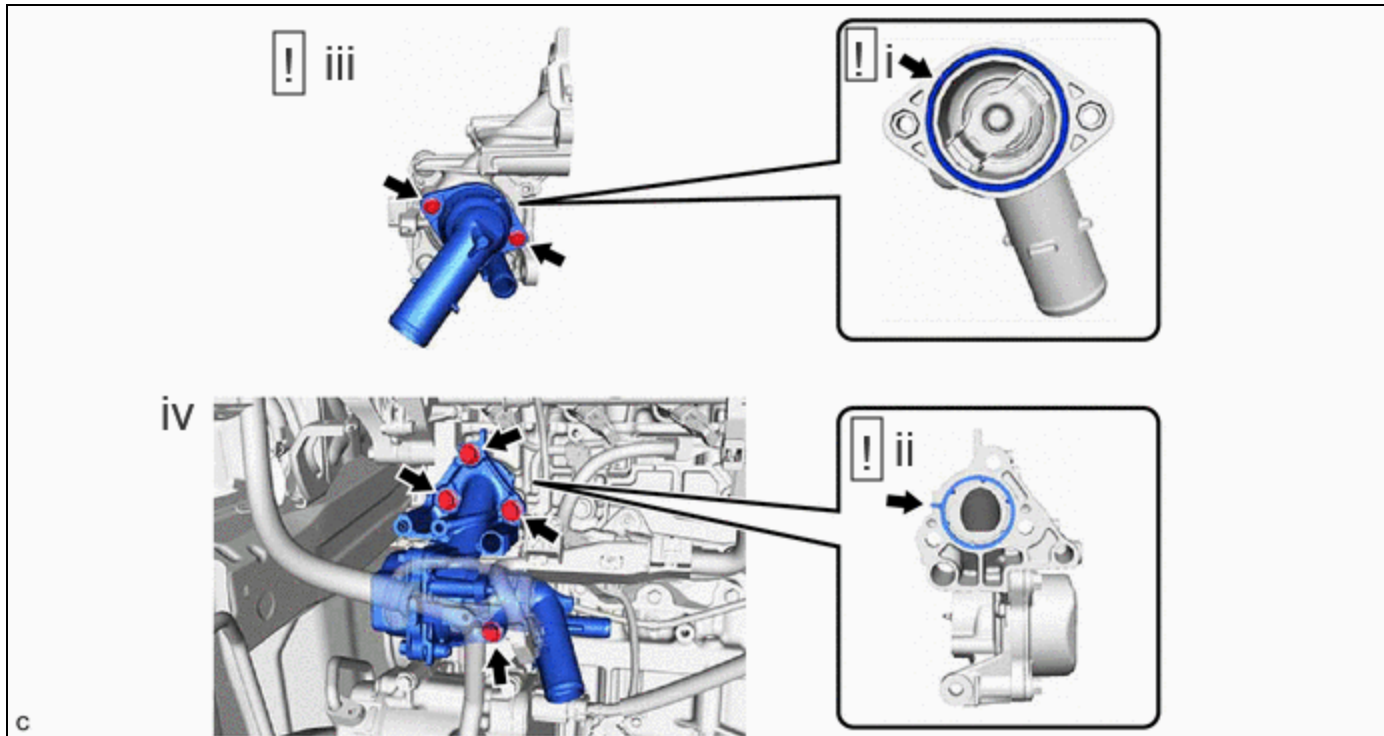


	PROCEDURE	PART NAME CODE			
5	ADD ENGINE COOLANT (for Engine)	-	-	INFO	-
6	INSPECT FOR COOLANT LEAK (for Engine)	-	-	-	INFO
7	NO. 1 ENGINE UNDER COVER ASSEMBLY	51410	-	-	-

	N*m (kgf*cm, ft.*lbf): Specified torque	-	-
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PROCEDURE

1. INSTALL ENGINE WATER PUMP ASSEMBLY (WATER INLET HOUSING)



(1) Install a new gasket to the water inlet with thermostat sub-assembly.

HINT:

Be sure to clean the contact surfaces.

(2) Install a new gasket to the engine water pump assembly (water inlet housing).

HINT:

Be sure to clean the contact surfaces.

(3) Using an 8 mm socket wrench, install the water inlet with thermostat sub-assembly with the 2 bolts.

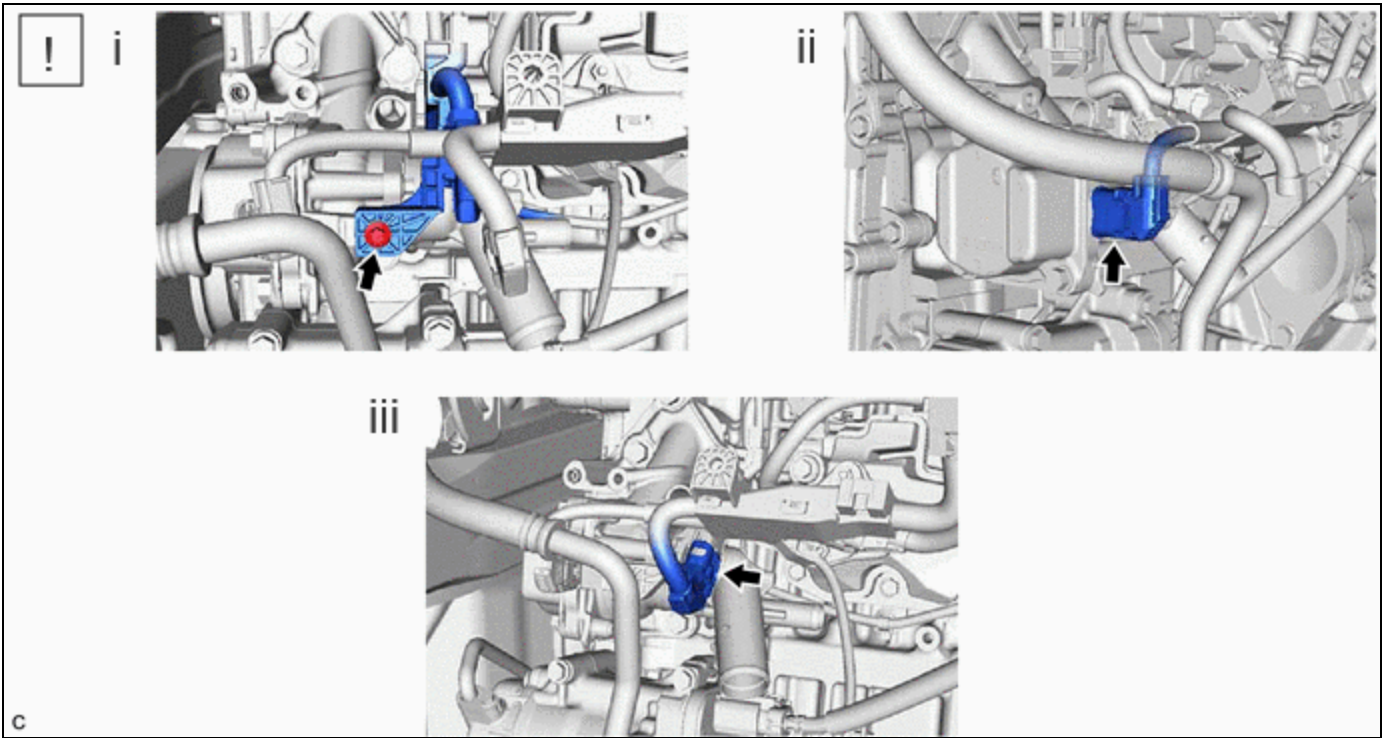
Torque:

10 N·m {102 kgf·cm, 7 ft·lbf}

(4) Install the engine water pump assembly (water inlet housing) to the cylinder block assembly with the 4 bolts.

Torque:

43 N·m {438 kgf·cm, 32 ft·lbf}



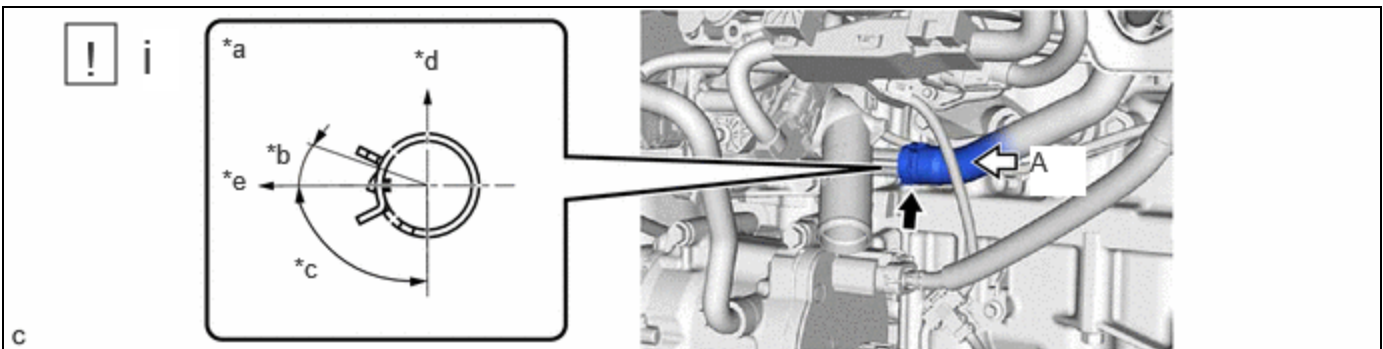
(1) Using an 8 mm socket wrench, connect the sensor wire to the engine water pump assembly (water inlet housing) with the bolt.

Torque:

10 N·m {102 kgf·cm, 7 ft·lbf}

- (2) Connect the engine water pump assembly (water inlet housing) connector.
- (3) Connect the sensor wire connector.

2. CONNECT NO. 7 WATER BY-PASS HOSE



*a	View A	*b	15° (Tabs of Clip Installation Area)
*c	90° (Tabs of Clip Installation Area)	*d	Upper Side of Vehicle
*e	Front Side of Vehicle	-	-

(1) Connect the No. 7 water by-pass hose to the water inlet with thermostat sub-assembly and slide the clip to secure it.

NOTICE:

Make sure that the tabs of the clip are within the area shown in the illustration.

3. CONNECT NO. 2 RADIATOR HOSE



for HEV Model: Click here [INFO](#)

for PHEV Model: Click here [INFO](#)

4. INSTALL INTAKE MANIFOLD

Click here [INFO](#)

5. ADD ENGINE COOLANT (for Engine)

Click here [INFO](#)

6. INSPECT FOR COOLANT LEAK (for Engine)

Click here [INFO](#)

7. INSTALL NO. 1 ENGINE UNDER COVER ASSEMBLY

for HEV Model: Click here [INFO](#)

for PHEV Model: Click here [INFO](#)

