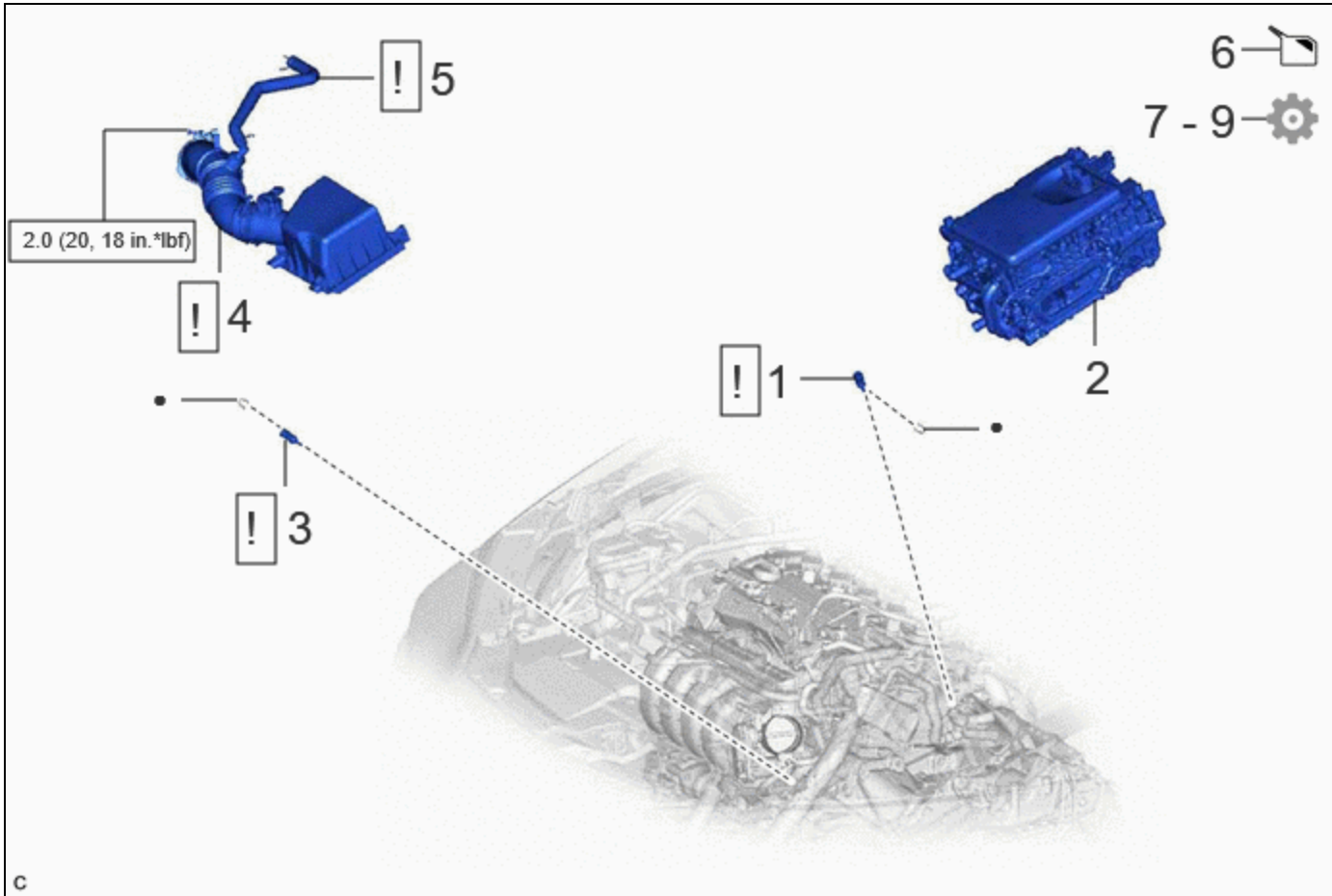


<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM10000002BNI9
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [03/2023 - ]
<b>Title:</b> M20A-FXS (ENGINE CONTROL): ENGINE COOLANT TEMPERATURE SENSOR: INSTALLATION; 2023 - 2024 MY Prius Prius Prime [03/2023 - ]		




## INSTALLATION


### CAUTION / NOTICE / HINT

#### COMPONENTS (INSTALLATION)



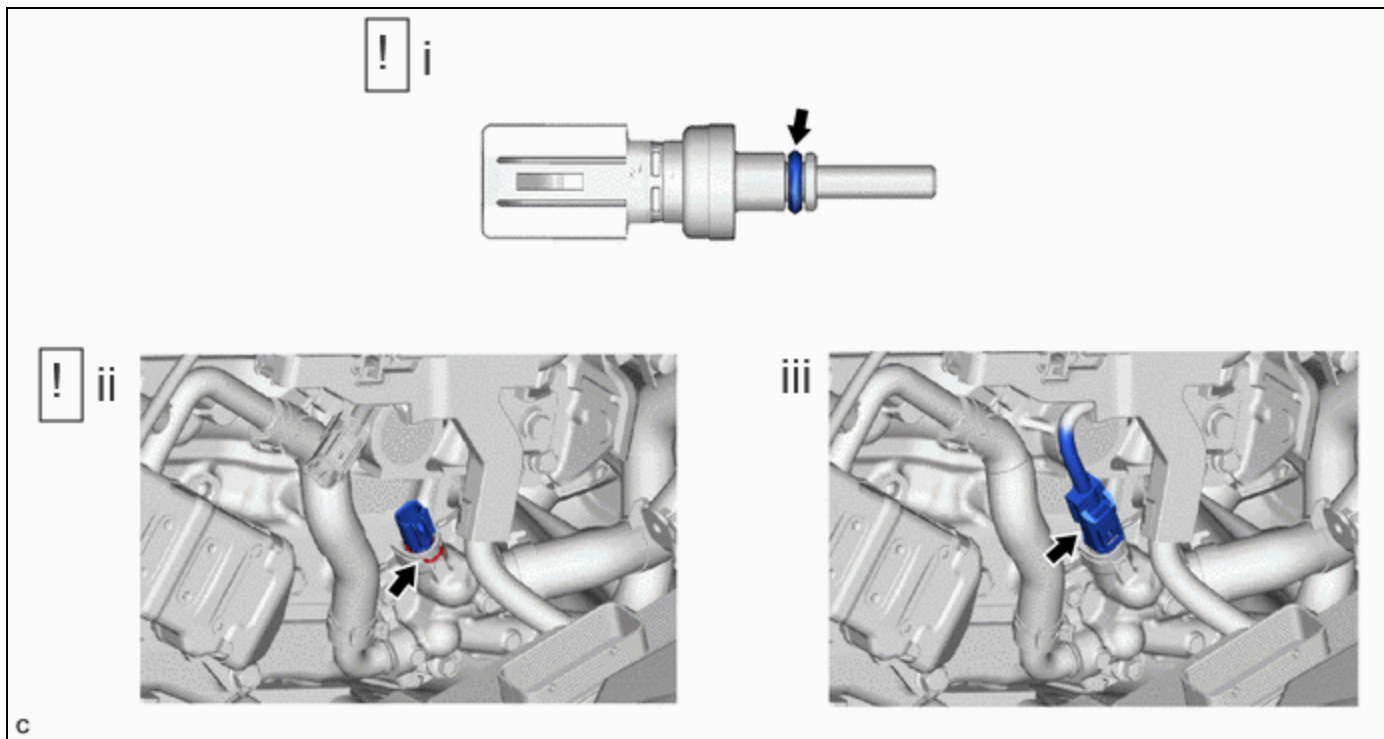
	PROCEDURE	PART NAME CODE			
1	ENGINE COOLANT TEMPERATURE SENSOR	89422A	<a href="#">INFO</a>	-	-
2	INVERTER WITH CONVERTER ASSEMBLY	G9200	-	-	-
3	NO. 2 ENGINE COOLANT TEMPERATURE SENSOR	89422N	<a href="#">INFO</a>	-	-
4	AIR CLEANER CAP WITH AIR CLEANER HOSE	-	<a href="#">INFO</a>	-	-
5	NO. 2 VENTILATION HOSE	12262	<a href="#">INFO</a>	-	-

	PROCEDURE	PART NAME CODE			
6	ADD ENGINE COOLANT (for Engine)	-	-	<a href="#">INFO</a>	-
7	INSPECT FOR COOLANT LEAK (for Engine)	-	-	-	<a href="#">INFO</a>
8	PERFORM INITIALIZATION	-	-	-	<a href="#">INFO</a>
9	INITIALIZATION AFTER RECONNECTING AUXILIARY BATTERY TERMINAL	-	-	-	<a href="#">INFO</a>

	N*m (kgf*cm, ft.*lbf): Specified torque	<ul style="list-style-type: none"> <li>• Non-reusable part</li> </ul>
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## PROCEDURE

### 1. INSTALL ENGINE COOLANT TEMPERATURE SENSOR



- (1) Apply a light coat of engine coolant to the O-ring of the engine coolant temperature sensor.
- (2) Install the engine coolant temperature sensor to the water by-pass outlet with a new clip.

**NOTICE:**

- If the engine coolant temperature sensor has been struck or dropped, replace it.
- If reusing the engine coolant temperature sensor, be sure to inspect the O-ring.
- Make sure that the O-ring is not cracked or moved out of place when installing the engine coolant temperature sensor.

- (3) Connect the engine coolant temperature sensor connector.

### 2. INSTALL INVERTER WITH CONVERTER ASSEMBLY

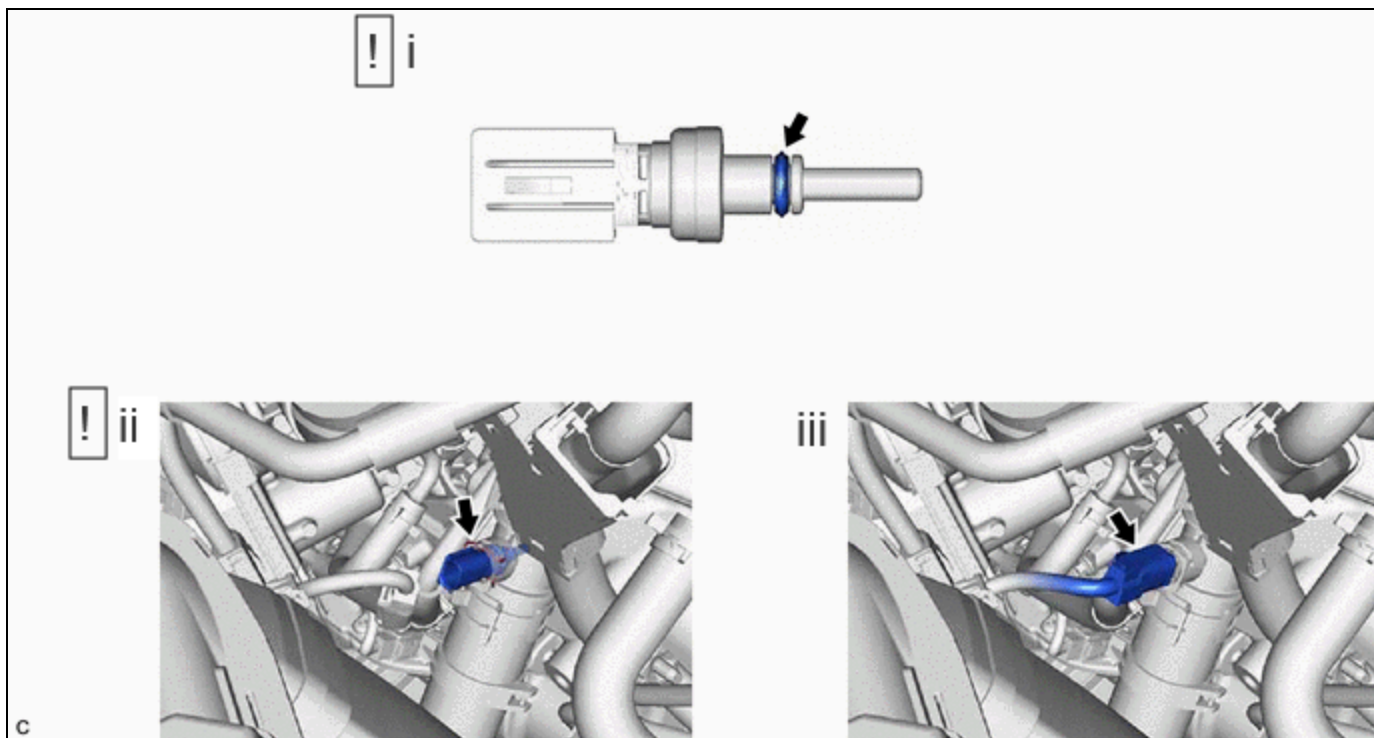
- for HEV Model:

Click here [INFO](#)

- for PHEV Model:

Click here [INFO](#)

### 3. INSTALL NO. 2 ENGINE COOLANT TEMPERATURE SENSOR



- (1) Apply a light coat of engine coolant to the O-ring of the No. 2 engine coolant temperature sensor.
- (2) Install the No. 2 engine coolant temperature sensor to the radiator pipe with a new clip.

#### NOTICE:

- If the No. 2 engine coolant temperature sensor has been struck or dropped, replace it.
- If reusing the No. 2 engine coolant temperature sensor, be sure to inspect the O-ring.
- Make sure that the O-ring is not cracked or moved out of place when installing the No. 2 engine coolant temperature sensor.

- (3) Connect the No. 2 engine coolant temperature sensor connector.

### 4. INSTALL AIR CLEANER CAP WITH AIR CLEANER HOSE



### 5. CONNECT NO. 2 VENTILATION HOSE



### 6. ADD ENGINE COOLANT (for Engine)

Click here [INFO](#)

## 7. INSPECT FOR COOLANT LEAK (for Engine)

Click here [INFO](#)

## 8. PERFORM INITIALIZATION

(a) Perform "Inspection After Repair" after replacing the engine coolant temperature sensor.

Click here [INFO](#)

## 9. INITIALIZATION AFTER RECONNECTING AUXILIARY BATTERY TERMINAL

### HINT:

When disconnecting and reconnecting the auxiliary battery, there is an automatic learning function that completes learning when the respective system is used.

Click here [INFO](#)

