

|  |                           |                                      |
|--|---------------------------|--------------------------------------|
| <b>Last Modified:</b> 12-04-2024   | 6.11:8.1.0                | <b>Doc ID:</b> RM10000002AZYX        |
| <b>Model Year Start:</b> 2023  | <b>Model:</b> Prius Prime | <b>Prod Date Range:</b> [03/2023 - ] |
| <b>Title:</b> M20A-FXS (EMISSION CONTROL): CANISTER (for PHEV Model): REMOVAL; 2023 - 2024 MY Prius Prime [03/2023 - ] |                           |                                      |

## REMOVAL

### CAUTION / NOTICE / HINT

The necessary procedures (adjustment, calibration, initialization or registration) that must be performed after parts are removed and installed, or replaced during canister removal/installation are shown below.

#### **Necessary Procedures After Parts Removed/Installed/Replaced**

| REPLACED PART OR PERFORMED PROCEDURE     | NECESSARY PROCEDURE     | EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED   | LINK                 |
|--|-------------------------|--|----------------------|
| Gas leak from exhaust system is repaired | Inspection After Repair | <ul style="list-style-type: none"> <li>• Poor idle, etc.</li> <li>• Engine start function, etc.</li> </ul> | <a href="#">INFO</a> |

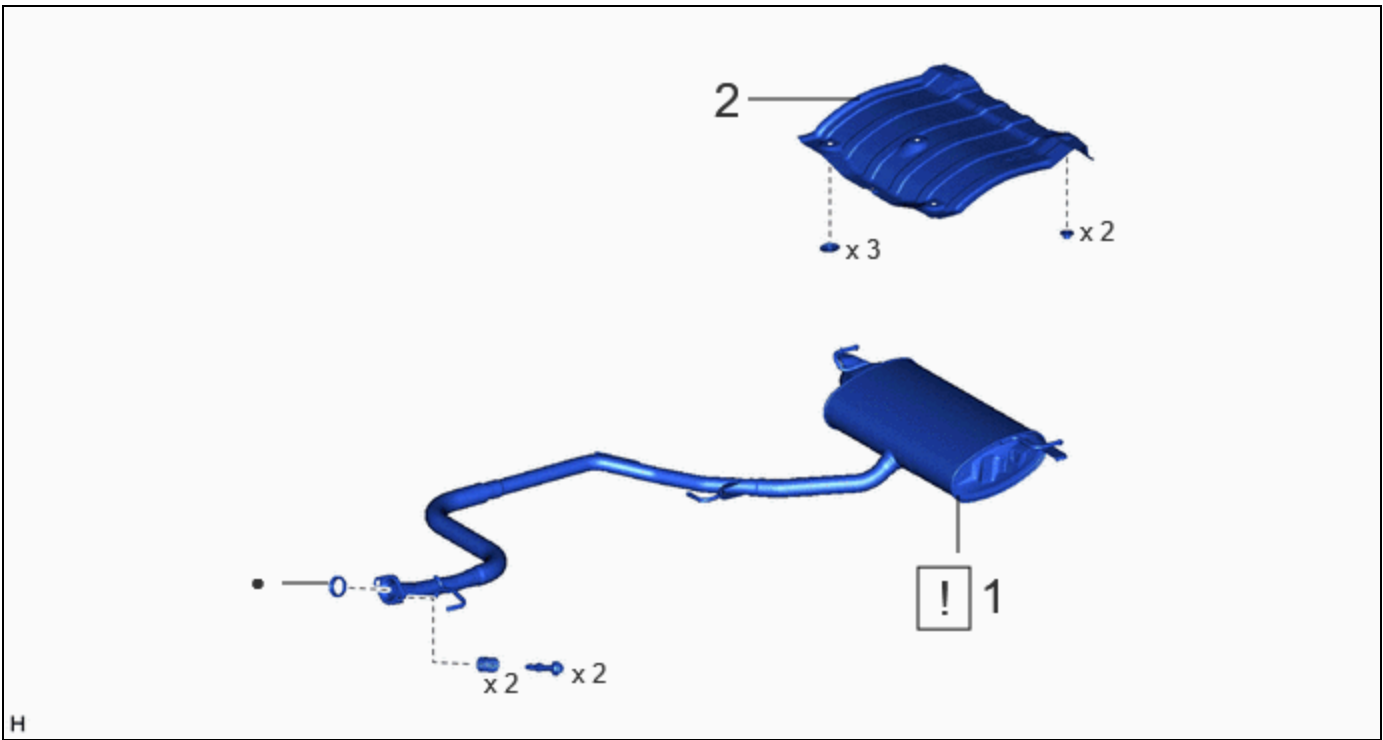
**CAUTION:**

To prevent burns, do not touch the engine, exhaust pipe or other high temperature components while the engine is hot.



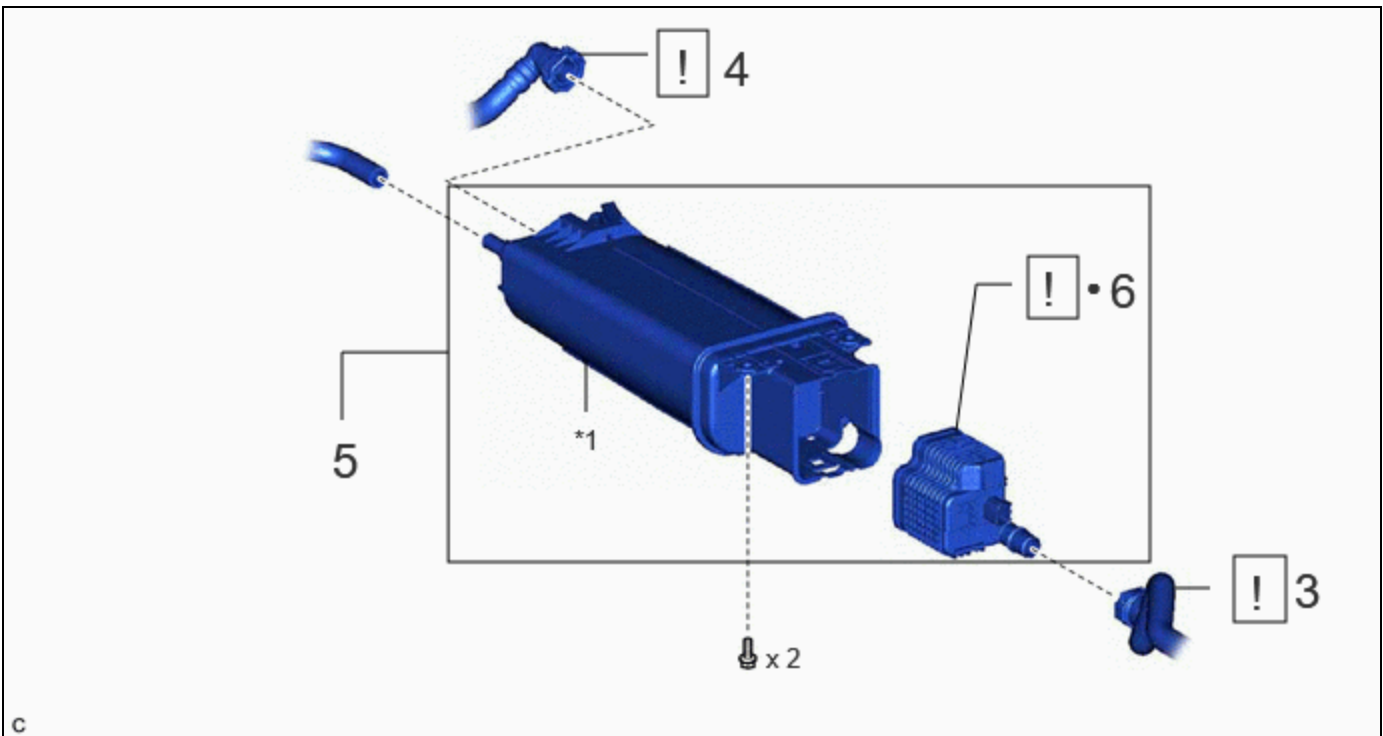
### CAUTION / NOTICE / HINT




#### **COMPONENTS (REMOVAL)**



| PROCEDURE |                                   | PART NAME CODE |      |   |   |
|-----------|-----------------------------------|----------------|------|---|---|
| 1         | TAIL EXHAUST PIPE ASSEMBLY        | 17430          | INFO | - | - |
| 2         | UPPER MAIN MUFFLER HEAT INSULATOR | 58327D         | -    | - | - |

|   |                   |   |   |
|---|-------------------|---|---|
| • | Non-reusable part | - | - |
|---|-------------------|---|---|



|   | PROCEDURE                             | PART NAME CODE |  |  |  |
|---|---------------------------------------|----------------|---|---|---|
| 3 | NO. 6 FUEL TANK BREATHER TUBE         | -              | <a href="#">INFO</a>  | -   | -   |
| 4 | FUEL TANK VENT HOSE SUB-ASSEMBLY      | 77404          | <a href="#">INFO</a>  | -   | -   |
| 5 | CANISTER (CHARCOAL CANISTER ASSEMBLY) | 77740          | -   | -   | -   |
| 6 | LEAK DETECTION PUMP SUB-ASSEMBLY      | 77740R         | <a href="#">INFO</a>  | -   | -   |

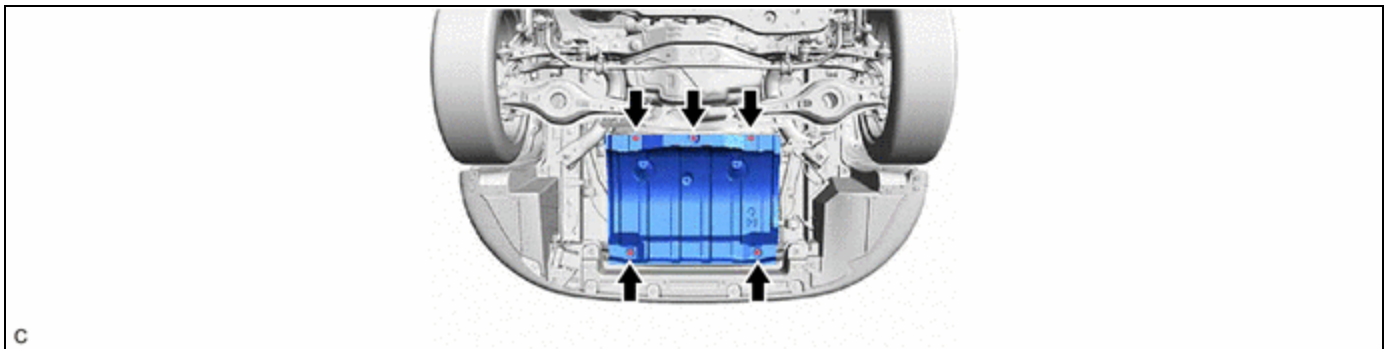
|    |                                |   |   |
|----|--------------------------------|---|---|
| *1 | CHARCOAL CANISTER SUB-ASSEMBLY | - | - |
| •  | Non-reusable part              | - | - |

## PROCEDURE


### 1. REMOVE TAIL EXHAUST PIPE ASSEMBLY

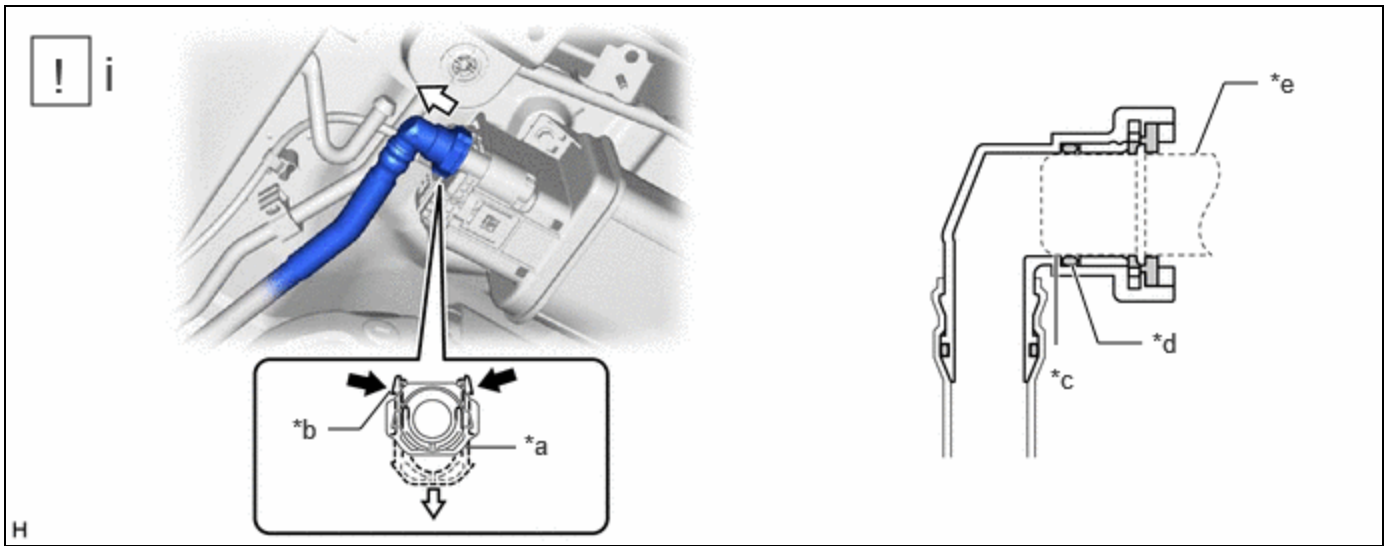
|   |  |
|---|--|
|  | <p>Click here <a href="#">INFO</a></p> |
|---|--|

### 2. REMOVE UPPER MAIN MUFFLER HEAT INSULATOR



### 3. DISCONNECT NO. 6 FUEL TANK BREATHER TUBE

|   |   |
|---|---|
|  | <p><b>NOTICE:</b></p> <ul style="list-style-type: none"> <li>Remove any dirt or foreign matter on the tube connector before performing this work.</li> <li>Do not allow any scratches or foreign matter to get on the parts when disconnecting them as the tube connector has an O-ring that seals the pipe (leak detection pump sub-assembly).</li> <li>Perform this work by hand. Do not use any tools.</li> <li>Do not forcibly bend, twist or turn the No. 6 fuel tank breather tube.</li> <li>Protect the disconnected parts by covering them with plastic bags after disconnecting the No. 6 fuel tank breather tube.</li> <li>If the tube connector and pipe (leak detection pump sub-assembly) are stuck, push and pull to release them.</li> </ul> |
|---|---|



|    |   |    |        |
|----|---|----|--------|
| *a | Retainer                                | *b | Tab    |
| *c | Tube Connector                          | *d | O-ring |
| *e | Pipe (Leak Detection Pump Sub-assembly) | -  | -      |
|    | Pinch                                   |    | Pull   |

(1) Pinch the tabs of the retainer to disengage the lock claws and pull it down.

**HINT:**

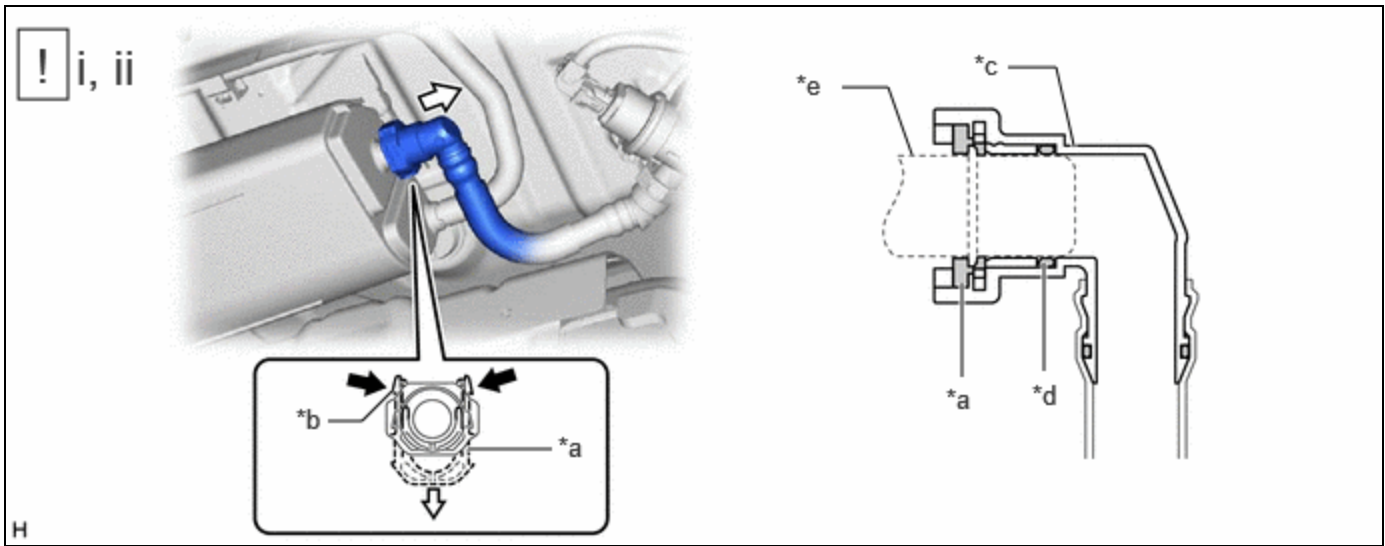
Do not remove the retainer.



(2) Pull off the No. 6 fuel tank breather tube from the canister (charcoal canister assembly).

**4. DISCONNECT FUEL TANK VENT HOSE SUB-ASSEMBLY**

**NOTICE:**

- Remove any dirt or foreign matter on the tube connector before performing this work.
- Do not allow any scratches or foreign matter to get on the parts when disconnecting them as the tube connector has an O-ring that seals the pipe (canister (charcoal canister assembly)).
- Perform this work by hand. Do not use any tools.
- Do not forcibly bend, twist or turn the fuel tank vent hose sub-assembly.
- Protect the disconnected parts by covering them with plastic bags after disconnecting the fuel tank vent hose sub-assembly.
- If the tube connector and pipe (canister (charcoal canister assembly)) are stuck, push and pull to release them.



|   |  |   |        |
|---|--|---|--------|
| *a  | Retainer                                     | *b  | Tab    |
| *c  | Tube Connector                               | *d  | O-ring |
| *e  | Pipe (Canister (Charcoal Canister Assembly)) | -   | -      |
|  | Pinch  |  | Pull   |

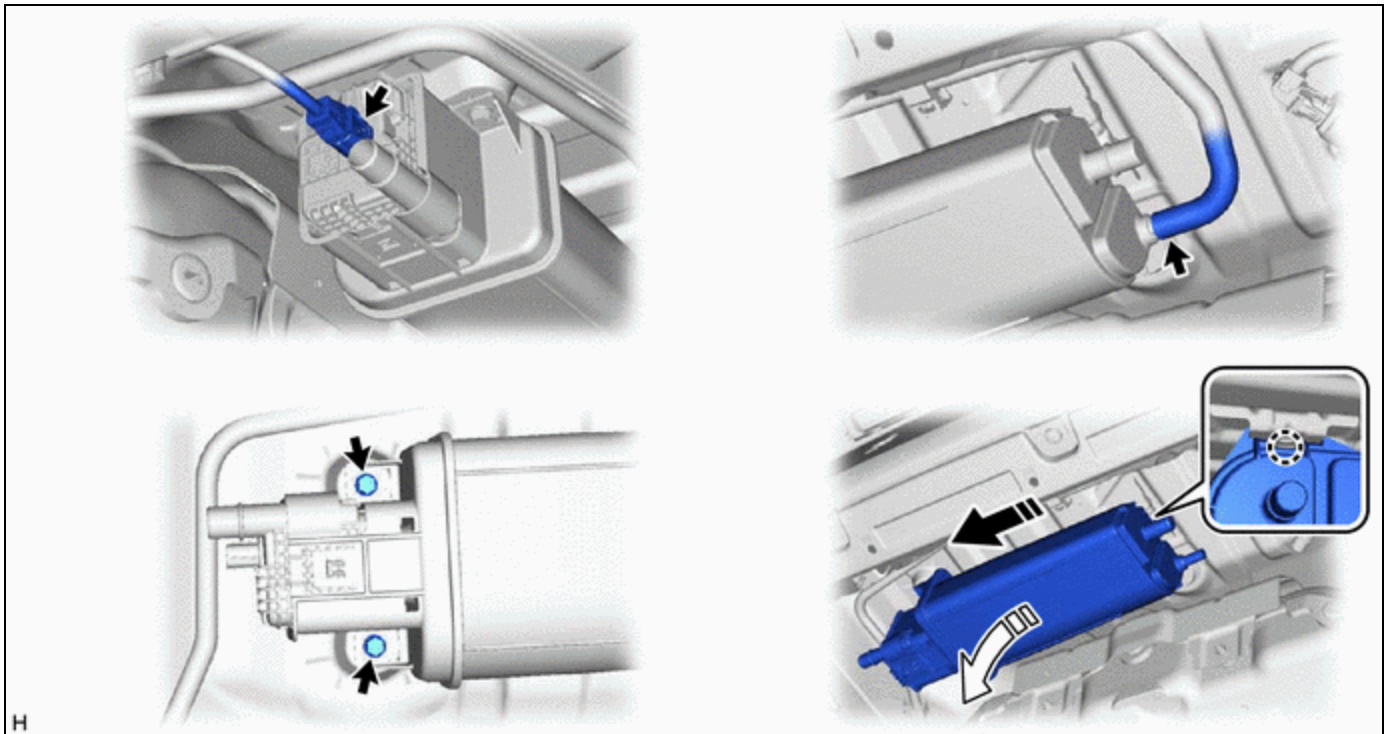
(1) Pinch the tabs of the retainer to disengage the lock claws and pull it down.

**HINT:**

Do not remove the retainer.

(2) Pull off the fuel tank vent hose sub-assembly from the canister (charcoal canister assembly).

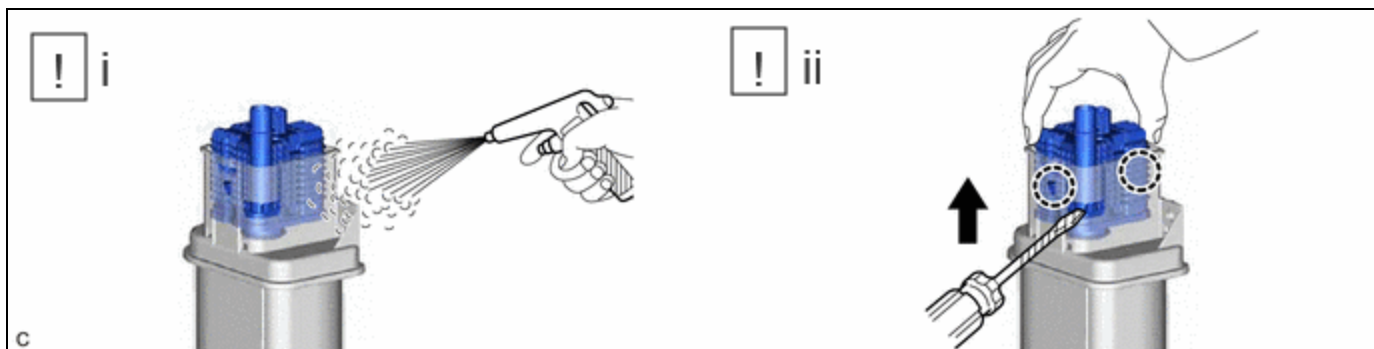
**5. REMOVE CANISTER (CHARCOAL CANISTER ASSEMBLY)**



## 6. REMOVE LEAK DETECTION PUMP SUB-ASSEMBLY

### HINT:

Only perform this procedure when replacement of the leak detection pump sub-assembly is necessary.



- (1) Before removing the leak detection pump sub-assembly, clean the canister (charcoal canister assembly) by blowing air into it to ensure that the canister (charcoal canister assembly) is free of foreign matter.

### NOTICE:

- Make sure to clean the canister (charcoal canister assembly) using air only.
- Do not use gasoline, thinners or solvents.

- (2) While disengaging the 2 claws as shown in the illustration, push the leak detection pump sub-assembly upwards using a screwdriver with its tip wrapped with protective tape to remove it.



- (1) Check if the charcoal canister sub-assembly contains foreign matter such as mud or water.
1. Visually check that the inside of the charcoal canister sub-assembly is free of foreign matter.
  2. Hold the charcoal canister sub-assembly upside down to make sure that it is free of foreign matter.

If the charcoal canister sub-assembly contains foreign matter, replace the canister (charcoal canister assembly).

