

TECHNICAL INSTRUCTIONS

FOR

SPECIAL SERVICE CAMPAIGN 24TC08 TI ver. 1

FUEL TANK FILLER CLAMP AND VAPOR LEAK DETECTION

CERTAIN 2023-2024 MODEL YEAR Corolla HV
CERTAIN 2023 MODEL YEAR PRIUS

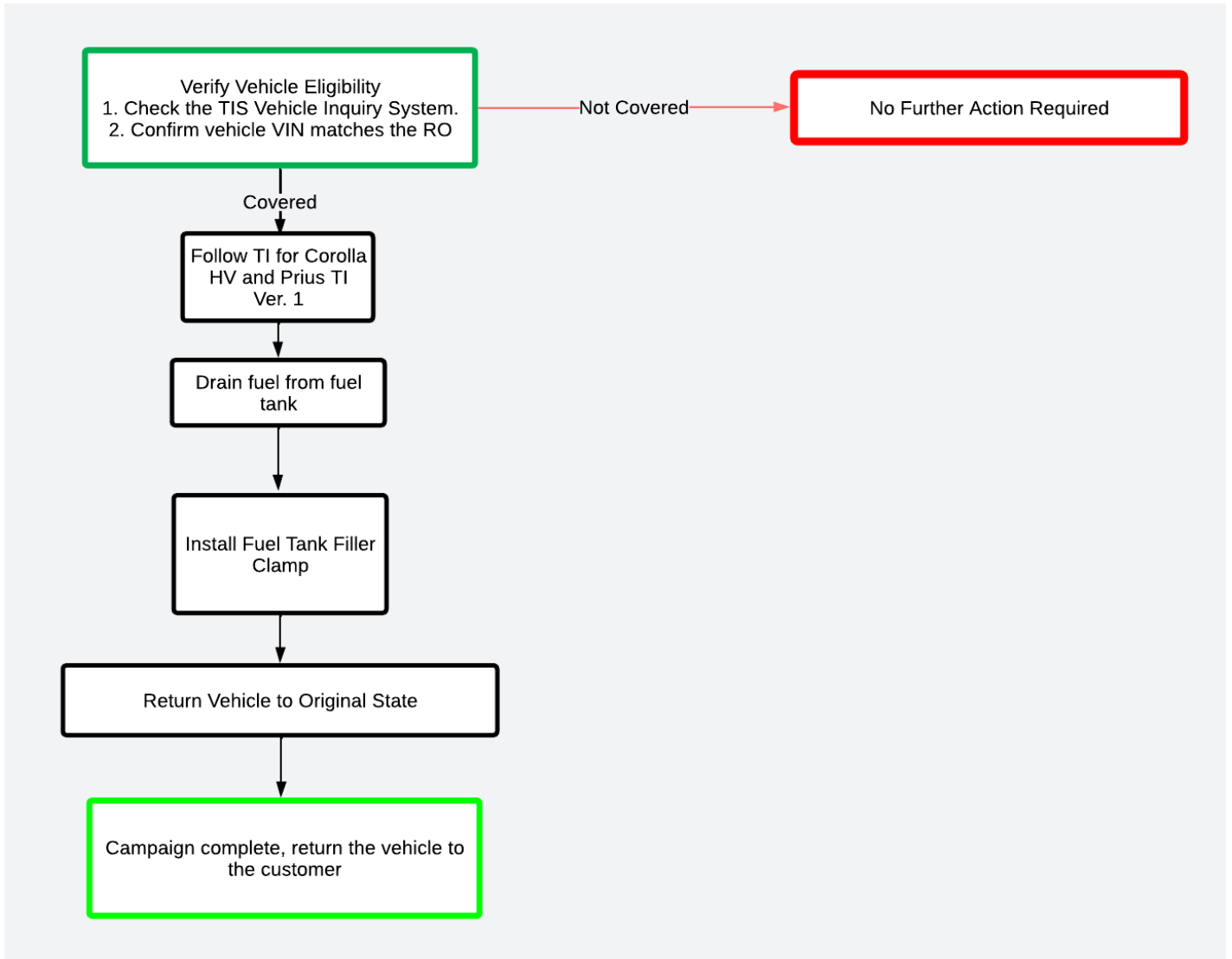
The repair quality of covered vehicles is extremely important to Toyota. All dealership technicians performing this recall are required to successfully complete the most current version of the E-Learning course “Safety Recall and Service Campaign Essentials”. To ensure that all vehicles have the repair performed correctly; technicians performing this recall repair are required to have completed the following courses:

- 852 Engine Controls 1

It is the dealership’s responsibility to select technicians with the above certification level or greater to perform this recall repair. Carefully review your resources, the technician skill level, and ability before assigning technicians to this repair. It is important to consider technician days off and vacation schedules to ensure there are properly trained technicians available to perform this repair at all times.

I. OPERATION FLOW CHART

The flow chart is for reference only. **DO NOT** use it in place of the full technical instructions. Follow **ALL** steps as outlined in the full technical instructions to confirm the campaign is completed correctly.



II. IDENTIFICATION OF AFFECTED VEHICLES

1. CHECK VEHICLE FOR CAMPAIGN ELIGIBILITY

- a) Compare the vehicles VIN to the VIN listed on the Repair Order to ensure they match.
- b) Check the TIS Vehicle Inquiry System to confirm the VIN is involved in this Campaign, and that it has not already been completed.

HINT:

TMNA warranty will not reimburse dealers for repairs completed on vehicles that are not affected or were previously completed, even by another dealer.

III. PREPARATION

A. PARTS

Part Number	Part Description	Quantity	
04004-33147	FUEL TANK CLAMP SET	1	
*The kit above includes the following parts.			
Part Number	Part Description	Quantity	Remarks
-	FUEL TANK CLAMP	1	-
77169-47040	FUEL SUCTION TUBE SET GASKET NO.1	1	-
72693-12080	REAR SEAT CUSHION LOCK HOOK	2	-

The necessary part numbers are indicated by each vehicle in VIN list. Please refer to the VIN list with Part Number for order.

B. TOOLS & EQUIPMENT

- GTS+(Global TechStream+)
- Standard Hand Tools
- Protective Glasses
- Tray
- boroscope
- Torque Wrench
- Gas Caddy

SST:

Part Number	Part Name	Quantity
09808-14031	Fuel Pump Retainer Tool*	1

*The set above includes the following tools.

Part Number	Part Name	Quantity
09808-01010	Handle	1
09808-01020	Bolt	1
09808-01030	Plate	1
09808-01071	Claw No.3	1

C. MATERIALS

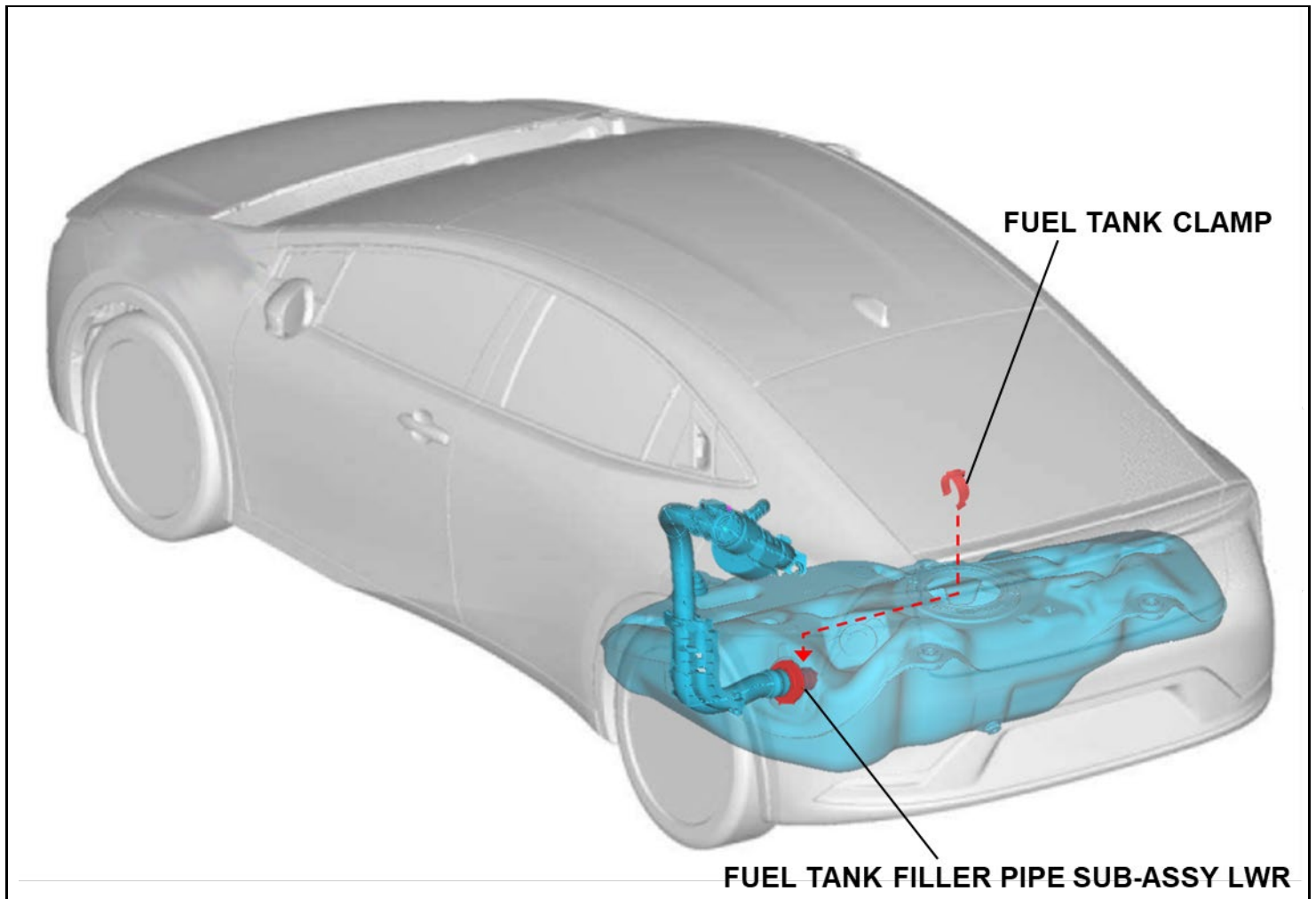
- Protective Gloves
- Protective Tape
- Cloth
- Marker Pen
- Hose (Inner diameter: Φ 6mm)

IV. WORK PROCEDURE TABLE OF CONTENTS

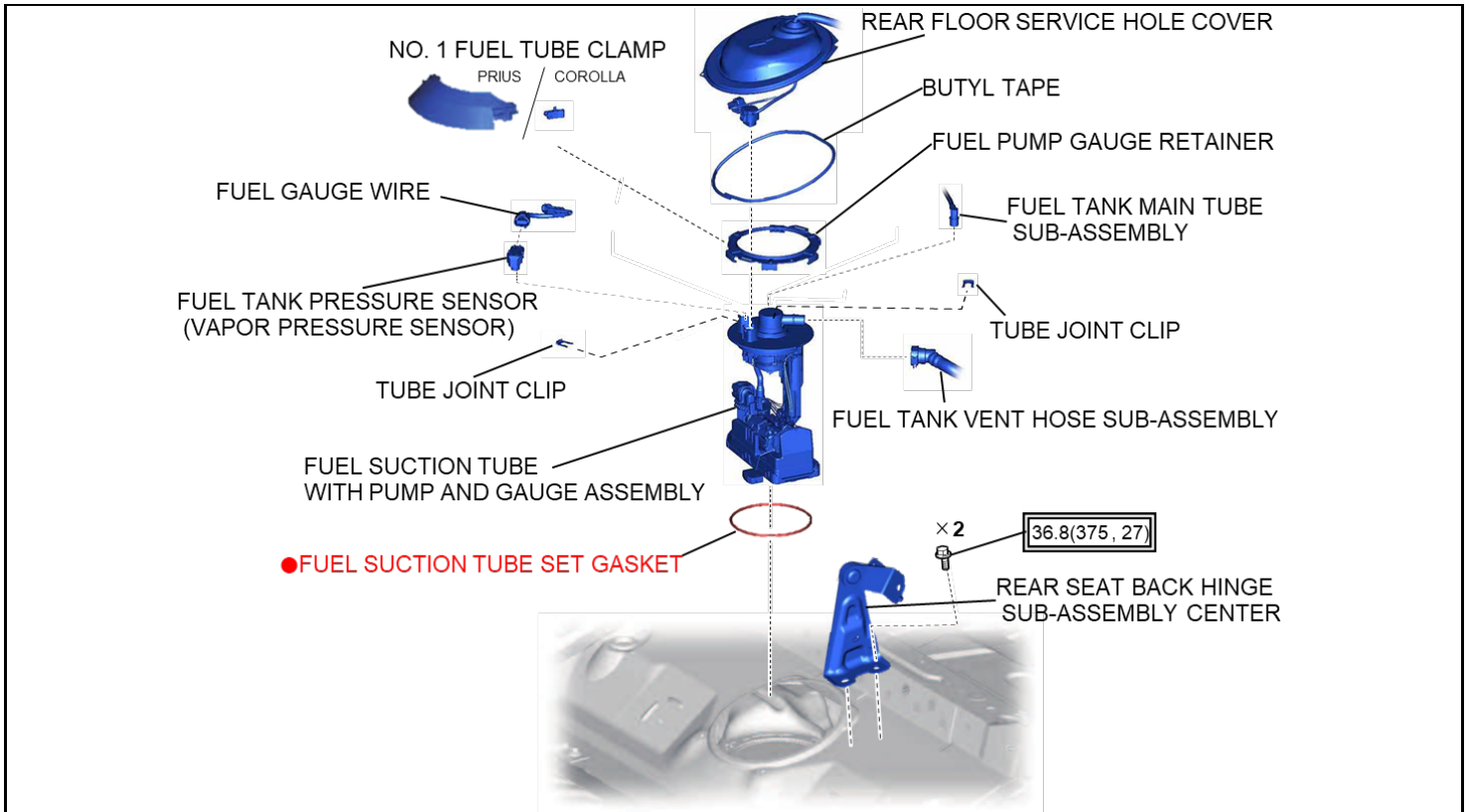
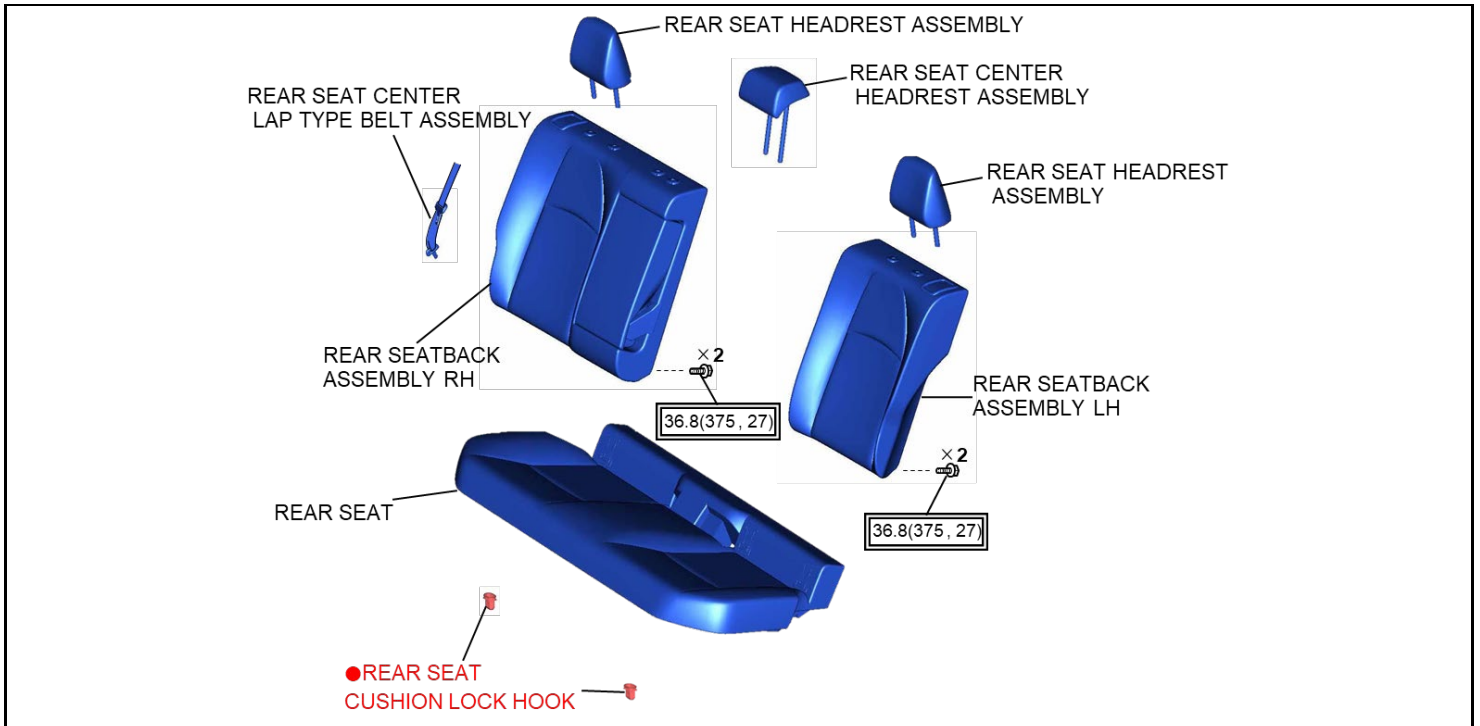
COMPONENTS	SECTION VI
REMOVE FUEL PUMP.....	SECTION VII
INSTALL FUEL TANK CLAMP✕REFER TO THE VIDEO.....	SECTION VIII
RESTORE THE VEHICLE.....	SECTION IX
APPENDIX.....	SECTION X

V. BACKGROUND

In the subject vehicles, the vapor leak detection monitor system may not detect a vapor leak from the fuel filler cap and illuminate the malfunction indicator lamp (MIL). If fuel vapor leaks from the filler cap, it is possible that there could be a fuel smell.



VI. COMPONENTS



VII. REMOVE FUEL PUMP

1. CHECK FOR DTCS TO CONFIRM VEHICLE ORIGINAL CONDITION

NOTICE:

When DTC is output, check and record the code and freeze frame to repair it if necessary.

2. DRAIN ALL FUEL FROM THE TANK.

NOTICE:

The tank must be drained completely so your hand is not submerged in fuel when installing the clamp on the interior of the tank.

3. REMOVE FUEL PUMP

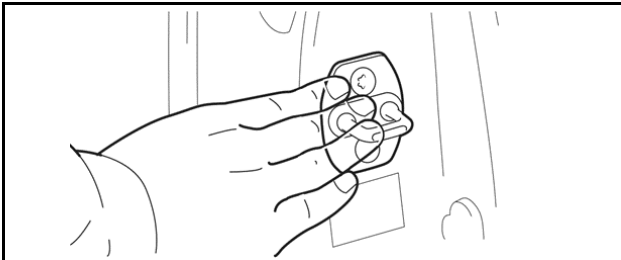
a) COROLLA

[2ZR-FXE \(FUEL\): FUEL PUMP \(w/ Canister Pump Module\): REMOVAL; 2023 - 2025 MY Corolla Corolla HV \[11/2022 - \]](#)

b) PRIUS

[M20A-FXS \(FUEL\): FUEL PUMP \(for HEV Model\): REMOVAL; 2023 - 2024 MY Prius \[12/2022 - \]](#)

VIII. INSTALL FUEL TANK CLAMP (Interior of Tank)

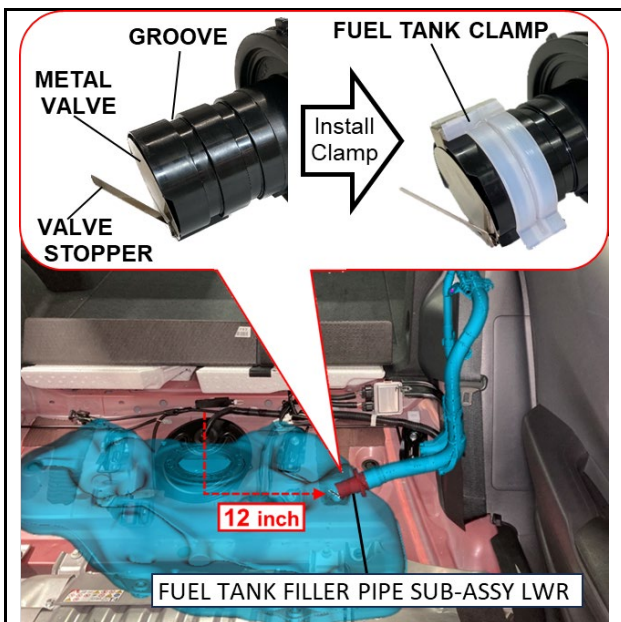


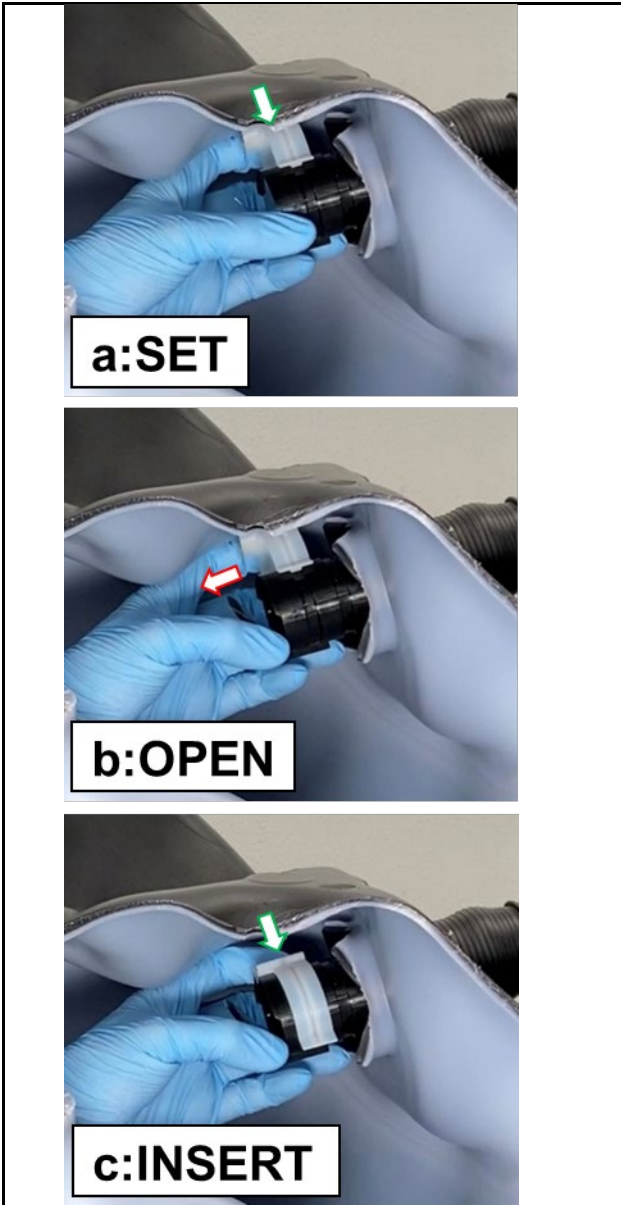
1. ELIMINATE STATIC ELECTRICITY

- Since there is a risk of igniting gasoline due to static electricity, touch the door lock striker with your bare hands before work to release the static electricity.

HINT:

- Install FUEL TANK CLAMP on FUEL TANK FILLER PIPE SUB-ASSY LWR to prevent the metal valve from closing completely.
- FUEL TANK FILLER PIPE SUB-ASSY LWR is mounted approximately 12 inches from the fuel tank opening to the driver's side.





2. INSTALL FUEL TANK CLAMP

REFER TO THE VIDEO [HERE](#)

- a) Put your arm in the tank and set the clamp in groove of FUEL TANK FILLER PIPE SUB-ASSY LWR with your index and middle fingers.

Note: Cutaway image of tank used for example.

- b) Hold the metal valve open with your thumb and ring finger.

NOTICE:


Do not open the metal valve too much beyond the position of the stopper, because it may deform.

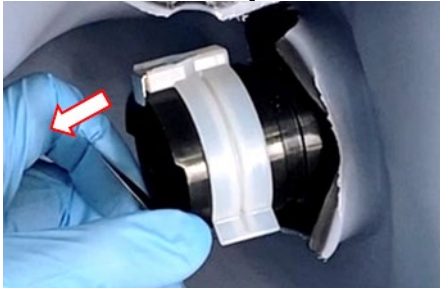

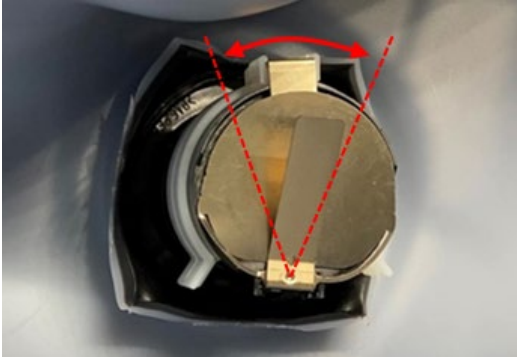
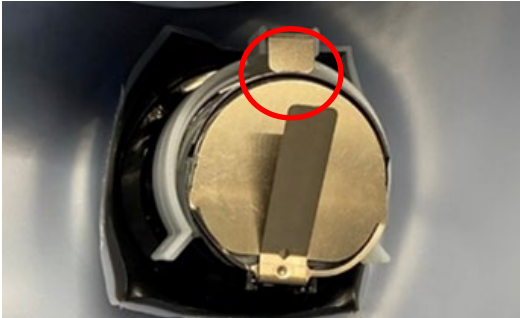

- c) Push the clamp with your index finger and middle finger and insert it.

HINT:

If you perform the work with your right hand, access the inside of the fuel tank from the luggage compartment.

3. INSPECT THE CLAMP INSTALLATION CONDITION.

	a) Perform the following inspections to check the clamp is installed in the correct position.	
	Item	Confirmation Method
	INSPECTION:1	Valve opening
INSPECTION:2	Clamp installation position	with boroscope, etc

Judgment criteria	OK	NG
<INSPECTION:1> Valve opening	<p>Can be opened</p> 	<p>Cannot be opened</p>  <p>Will cause fuel to splash back during refueling.</p>
<INSPECTION:2> Clamp installation position	<p>Fully inserted</p> <p>※Rotation direction can be any position within the red range.</p> 	<p>Half-inserted</p>  <p>Opposite</p> 
Action	Double check clamp installation condition and restore the vehicle. (Go to next page)	Remove the clamp and reinstall it in the correct position.

4. DOUBLE-CHECK THE CLAMP INSTALLATION CONDITION.



Critical

- a) **Have a second technician confirm the clamp is properly installed.**

IX. RESTORE THE VEHICLE

1. INSTALL FUEL PUMP

a) COROLLA

[2ZR-FXE \(FUEL\): FUEL PUMP \(w/ Canister Pump Module\): INSTALLATION; 2023 - 2025 MY Corolla Corolla HV \[09/2022 - _____\]](#)

b) PRIUS

[M20A-FXS \(FUEL\): FUEL PUMP \(for HEV Model\): INSTALLATION; 2023 - 2024 MY Prius \[12/2022 - _____\]](#)

2. REFILL REMOVED FUEL INTO TANK

3. CHECK FOR DTCS

◀ VERIFY REPAIR QUALITY ▶

- Confirm clamp is installed exactly as instructed.
- If you have any questions regarding this update, please contact your area representative.

X. APPENDIX

