

◀ IMPORTANT UPDATE ▶

The attached Technical Instruction has been updated. Refer to the details below.

DATE	TOPIC
12/6/2024	Part Description Update
12/6/2024	Flowchart Verbiage Addition

The most recent update in the attached Technical Instruction will be highlighted with a red box.

Please review this notification with your staff to assure that all relevant personnel have been briefed regarding this subject.

Thank you for your cooperation.

TECHNICAL INSTRUCTIONS
FOR
SPECIAL SERVICE CAMPAIGN 24TC06
Active Grille Shutter
Engine Warning Light May Illuminate
CERTAIN 2024 TACOMA

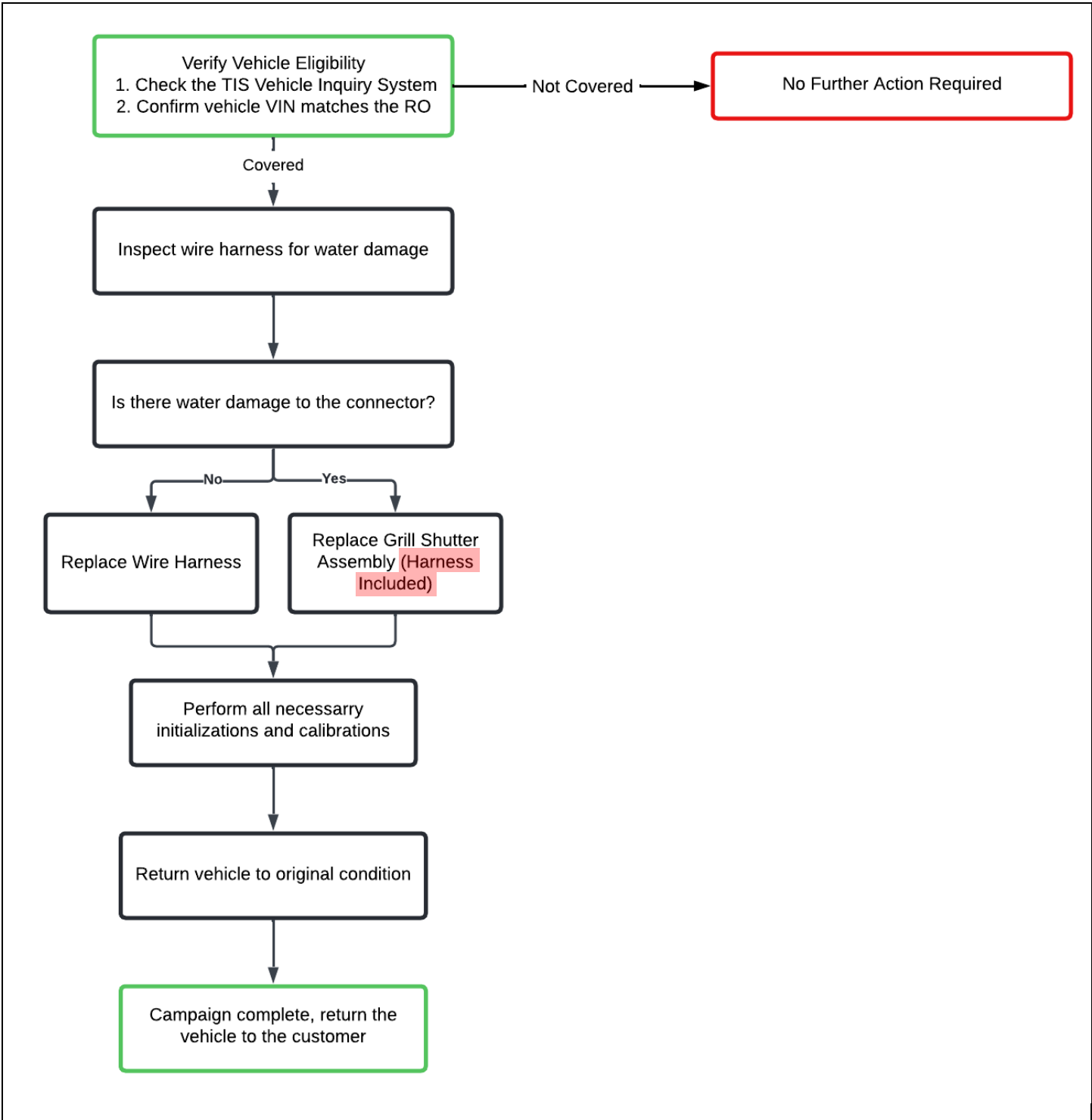
The repair quality of covered vehicles is extremely important to Toyota. All dealership technicians performing this SSC are required to successfully complete the most current version of the E-Learning course “Safety Recall and Service Campaign Essentials”. To ensure that all vehicles have the repair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

- TIC206A – Electrical Repair 1
- TIC206B – Electrical Repair 2

It is the dealership’s responsibility to select technicians that have completed the above courses to perform this 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 always perform this repair.

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 vehicle's 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.

NOTICE:

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
53100-AK011	SHUTTER ASSY, RADIATOR W/PARTS (Harness Included)	As needed based on inspection
04004-12135	WIRE, ENGINE ROOM, NO 0.5	1

Note: Do not order the Shutter Assy, Radiator w/ Parts until inspection is performed. Most vehicles will NOT require this part.

B. TOOLS, SUPPLIES & EQUIPMENT

- GTS+
- Clip Removal tool
- Torque Wrench
- Protective Tape
- Trim Removal Tool
- Flathead Screwdriver

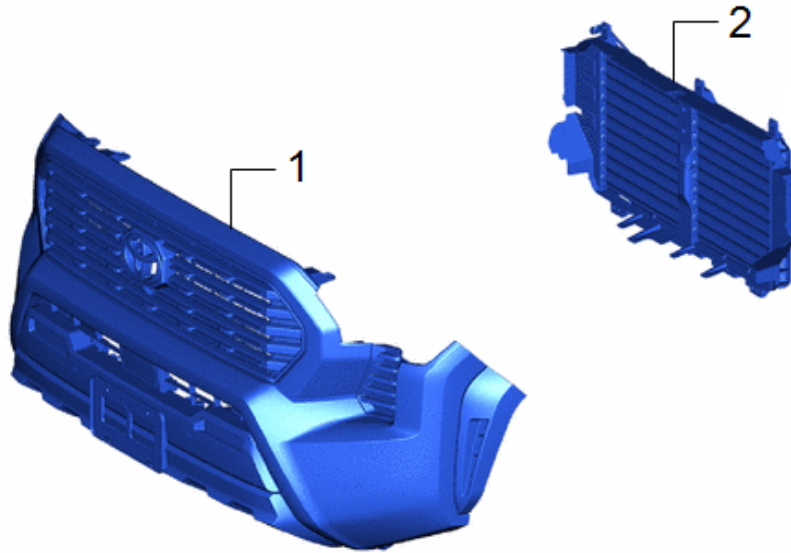
IV. WORK PROCEDURE TABLE OF CONTENTS

BACKGROUND.....	SECTION V.
GRILLE SHUTTER HARNESS INSPECTION	SECTION VI.
REPLACE GRILLE SHUTTER HARNESS	SECTION VII.
REPLACE GRILLE SHUTTER	SECTION VIII.
RETURN VEHICLE TO ORIGINAL CONDITION	SECTION IX.
APPENDIX	SECTION X.

V. BACKGROUND

Condition

The subject vehicles were manufactured with a grill shutter wire harness connector that contained an incorrectly sized waterproof seal. The incorrect seal can cause water to enter the connector, potentially causing the engine warning light to illuminate.

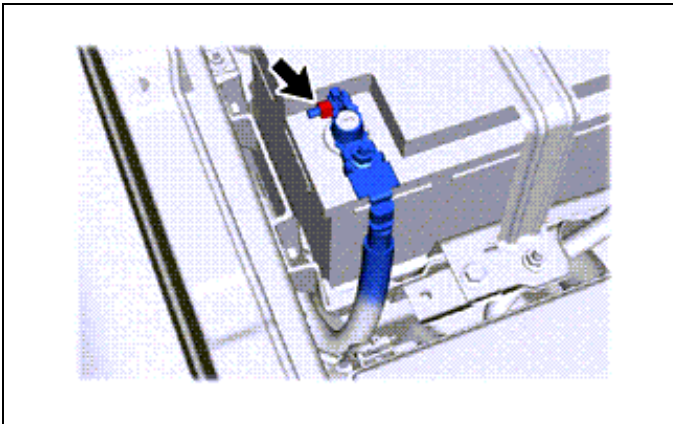


1. FRONT BUMPER
2. GRILLE SHUTTER

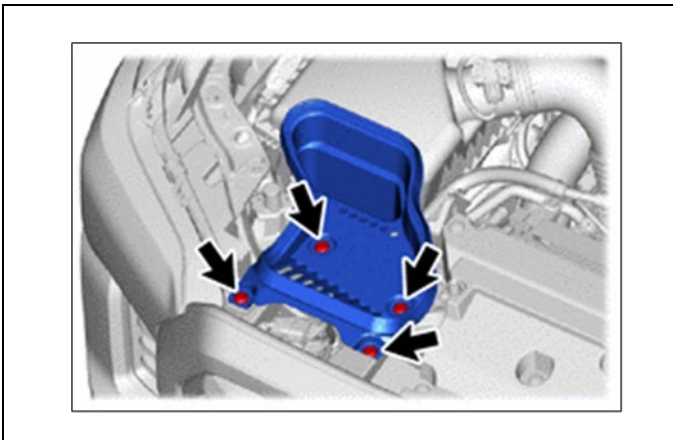
VI. GRILLE SHUTTER HARNESS INSPECTION



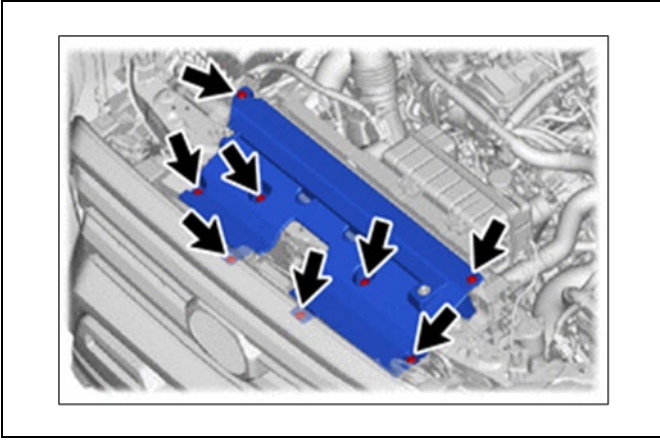
1. OPEN THE HOOD AND PROP IT OPEN WITH THE HOLDER STAY LEVER



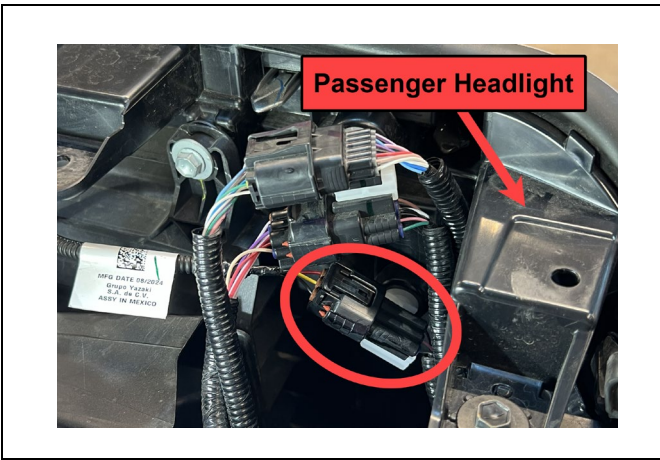
2. DISCONNECT THE NEGATIVE BATTERY TERMINAL FROM THE BATTERY.



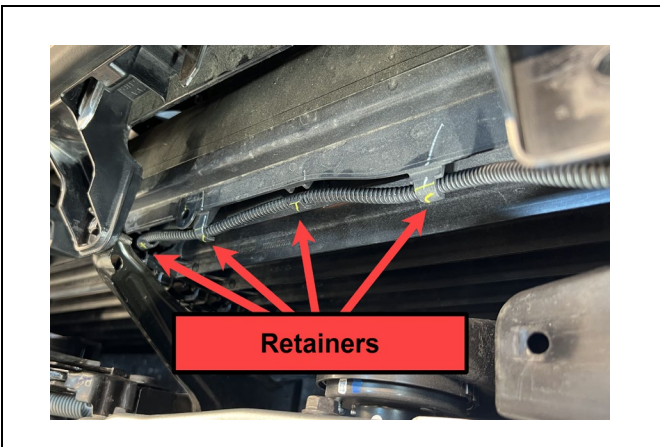
3. IDENTIFY AND RELEASE THE 4 PUSH CLIPS, THEN REMOVE NO. 2 AIR CLEANER INLET



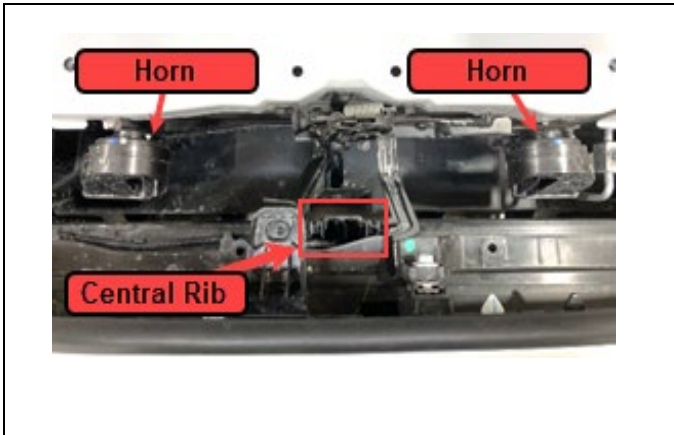
4. IDENTIFY AND RELEASE THE 8 PUSH CLIPS, THEN REMOVE NO. 1 RADIATOR AIR GUIDE



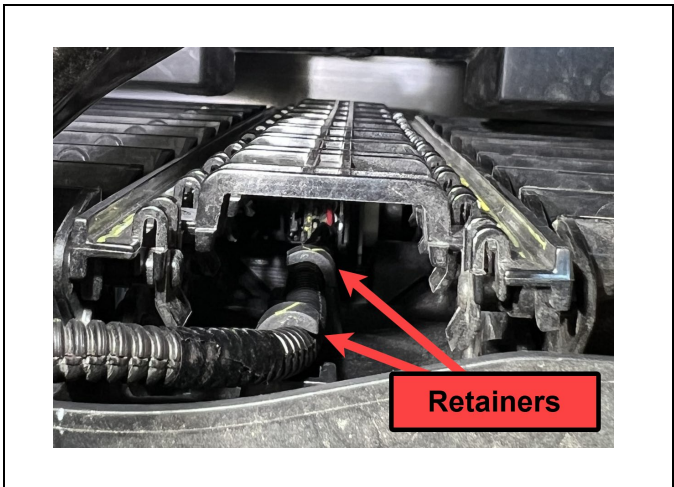
5. IDENTIFY AND UNPLUG THE GRILLE SHUTTER CONNECTOR (LOCATED ON THE PASSENGER SIDE OF THE ENGINE COMPARTMENT)



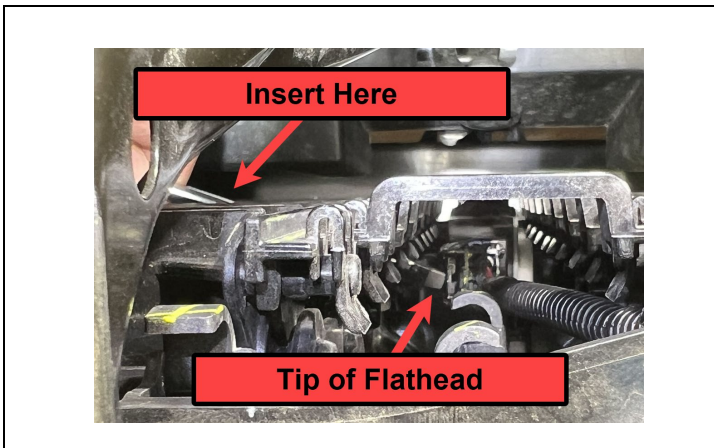
6. RELEASE THE HARNESS FROM THE 4 RETAINERS ON THE TOP OF THE GRILL SHUTTER



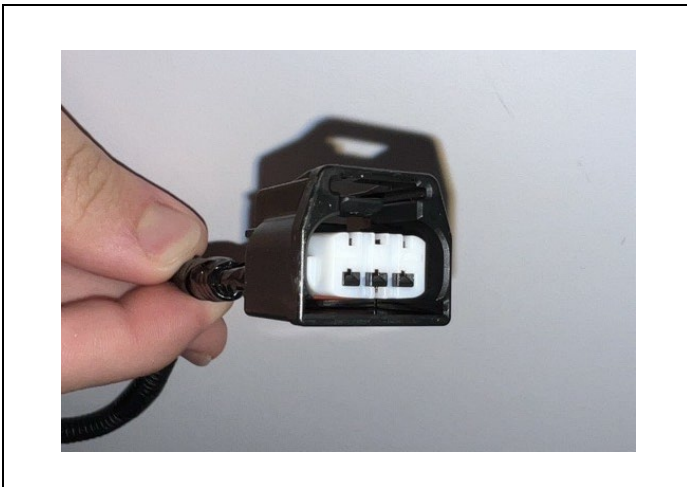
7. IDENTIFY THE HARNESS WITHIN THE CENTRAL RIB OF THE GRILLE SHUTTER (LOCATED IN THE CENTER OF THE ENGINE COMPARTMENT)



8. RELEASE THE HARNESS FROM THE 2 REMAINING RETAINERS WITHIN THE CENTRAL RIB OF THE GRILLE SHUTTER

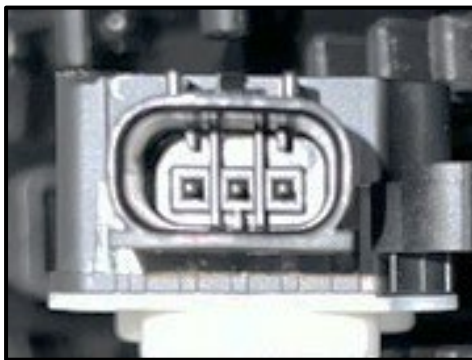
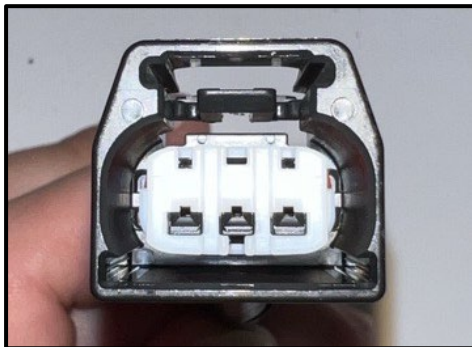


9. INSERT A FLATHEAD SCREWDRIVER THROUGH THE SIDE OPENING OF THE CENTRAL RIB, THEN RELEASE THE CONNECTOR AND REMOVE THE HARNESS



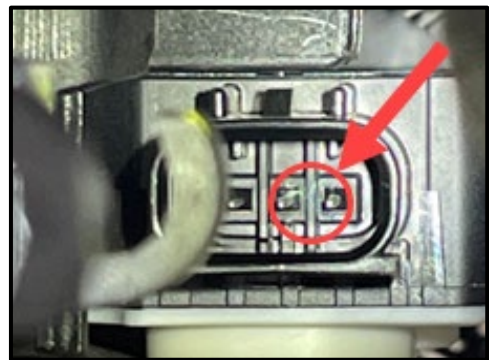
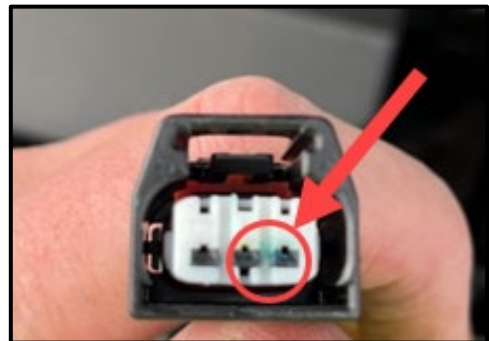
10. INSPECT THE HARNESS AND GRILLE SHUTTER ACTUATOR FOR WATER DAMAGE
- a. LOOK FOR CORROSION INSIDE THE HARNESS AND ACTUATOR (SEE EXAMPLES BELOW)

NO WATER DAMAGE



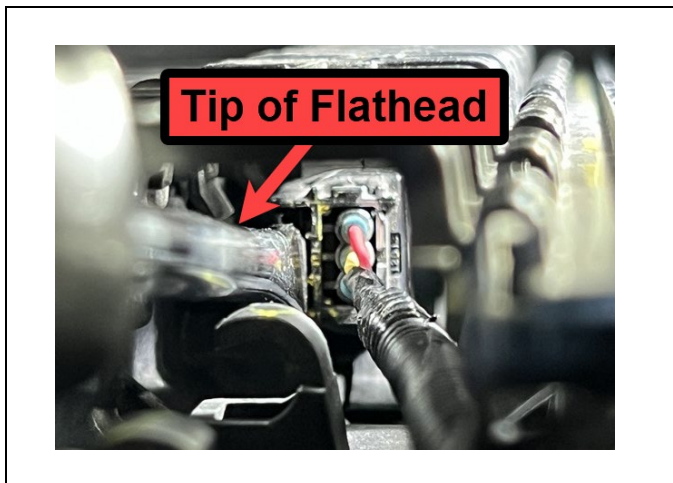
PROCEED TO SECTION VII. TO REPLACE HARNESS

WATER DAMAGE DETECTED

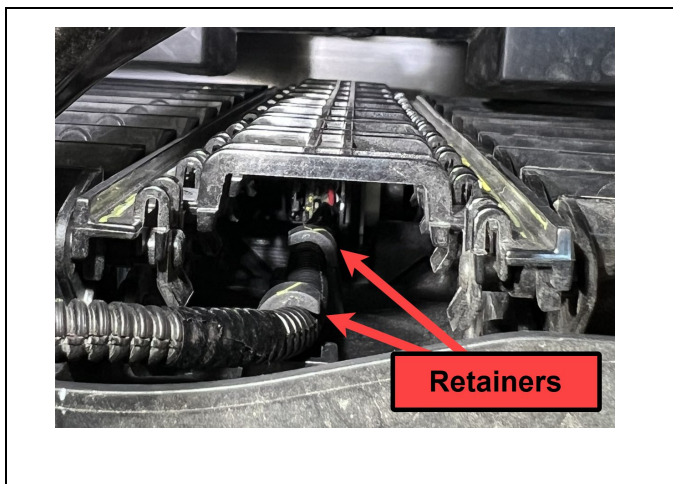


PROCEED TO SECTION VIII. TO REPLACE GRILLE SHUTTER + HARNESS

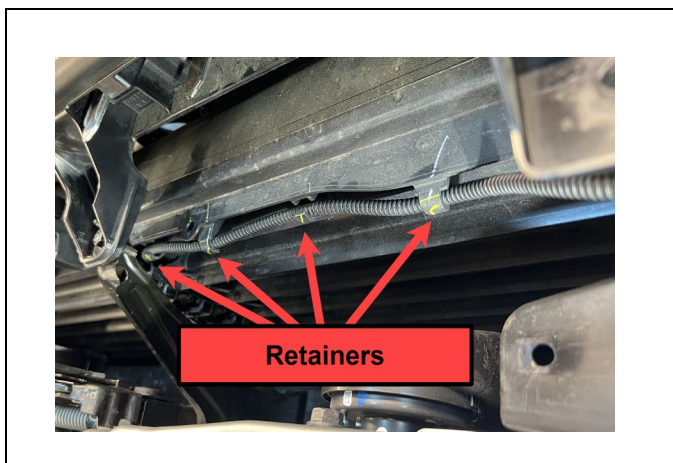
VII. REPLACE GRILLE SHUTTER HARNESS



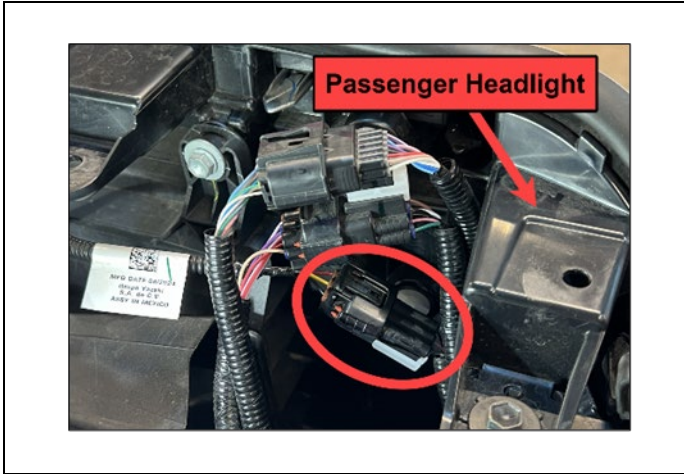
1. USE THE TIP OF A FLATHEAD SCREWDRIVER TO GUIDE THE HARNESS DOWN THE CENTRAL RIB, AND INSTALL THE NEW HARNESS



2. ROUTE THE HARNESS THROUGH THE 2 RETAINERS LOCATED WITHIN THE CENTRAL RIB OF THE GRILLE SHUTTER



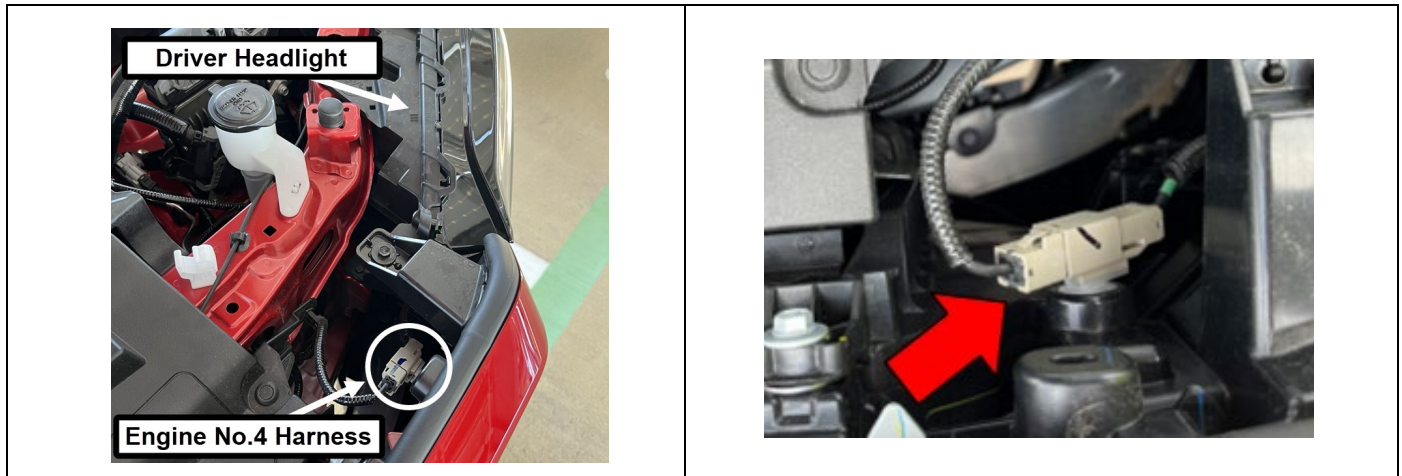
3. ROUTE THE HARNESS THROUGH THE 4 RETAINERS ON THE TOP OF THE GRILLE SHUTTER



4. PLUG THE GRILL SHUTTER HARNESS INTO THE CONNECTOR (LOCATED ON THE PASSENGER SIDE OF THE ENGINE COMPARTMENT)

PROCEED TO SECTION IX. TO COMPLETE CAMPAIGN

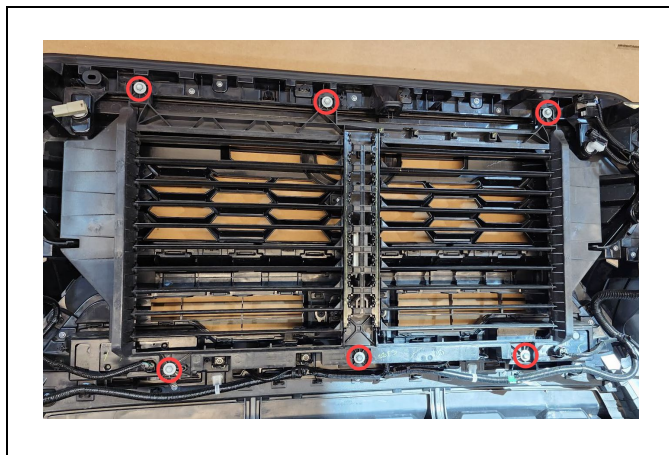
VIII. REPLACE GRILLE SHUTTER



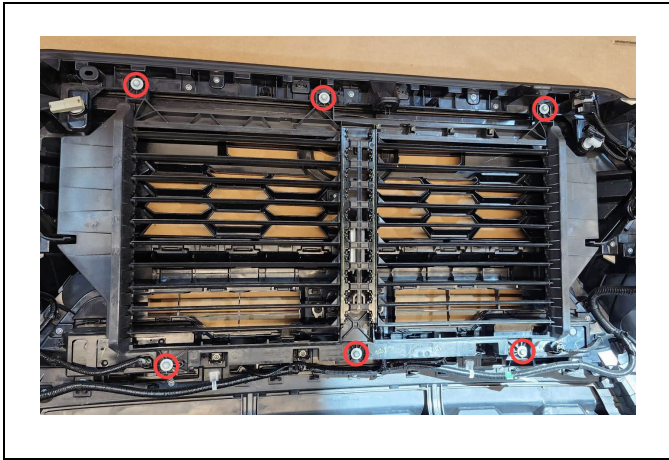
1. IF EQUIPPED, REMOVE ENGINE NO.4 HARNESS (LOCATED ON THE DRIVER SIDE OF THE ENGINE COMPARTMENT)

2. REMOVE FRONT BUMPER ASSEMBLY

a. [EXTERIOR PANELS / TRIM: FRONT BUMPER: REMOVAL; 2024 MY Tacoma](#)



3. REMOVE GRILLE SHUTTER ASSEMBLY
a. [EXTERIOR PANELS / TRIM: GRILLE SHUTTER: REMOVAL; 2024 MY Tacoma](#)
b. REMOVE THE 6 BOLTS SECURING THE GRILLE SHUTTER TO THE FRONT BUMPER



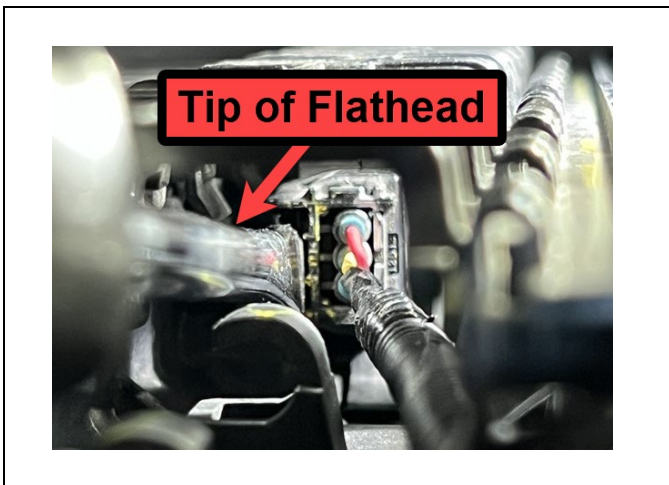
4. INSTALL NEW GRILL SHUTTER ASSEMBLY
 - a. INSTALL AND TORQUE THE 6 BOLTS TO 3 N·m (27 in·lbf)

5. REINSTALL FRONT BUMPER ASSEMBLY

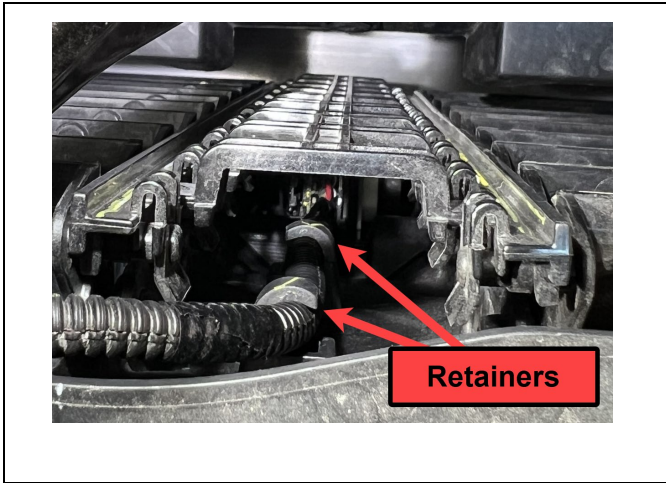
- a. [EXTERIOR PANELS / TRIM: FRONT BUMPER: INSTALLATION; 2024 MY Tacoma](#)



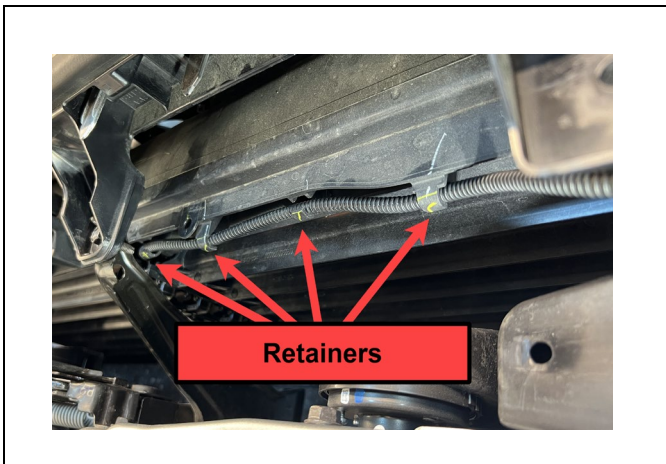
6. IF EQUIPPED, REINSTALL THE ENGINE NO.4 HARNESS



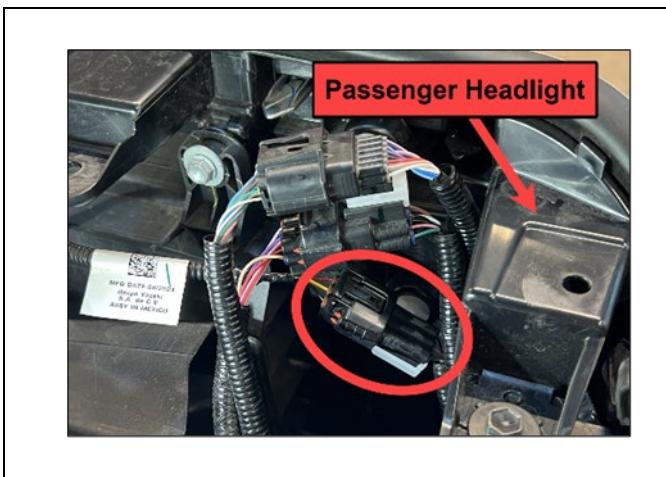
7. USE THE TIP OF A FLATHEAD SCREWDRIVER TO GUIDE THE HARNESS DOWN THE CENTRAL RIB, AND INSTALL THE NEW HARNESS



8. ROUTE THE HARNESS THROUGH THE 2 RETAINERS LOCATED WITHIN THE CENTRAL RIB OF THE GRILLE SHUTTER



9. ROUTE THE HARNESS THROUGH THE 4 RETAINERS ON THE TOP OF THE GRILLE SHUTTER



10. PLUG THE GRILL SHUTTER HARNESS INTO THE CONNECTOR (LOCATED ON THE PASSENGER SIDE OF THE ENGINE COMPARTMENT)

11. PERFORM ALL NECESSARY INITIALIZATIONS AND CALIBRATIONS

- a. [PARK ASSIST / MONITORING: INTUITIVE PARKING ASSIST SYSTEM: CALIBRATION; 2024 MY Tacoma](#)
- b. [PARK ASSIST / MONITORING: PANORAMIC VIEW MONITOR SYSTEM: CALIBRATION; 2024 MY Tacoma](#)
- c. [CHANGE GRILLE SHUTTER CONTROL MODES AND/OR PERFORM INITIALIZATION; 2024 MY Tacoma](#)

Emissions Repair Procedures for California Dealers

As this Special Service Campaign includes emission related parts, California dealers are requested to fill out the Vehicle Emissions Recall – Proof of Correction form and affix an Authorized Modification Label to the vehicle after repairs have been completed.

The vehicle owner may require the Proof of Correction form for vehicle registration renewal. **It is important to note that the forms are an official state document and blank forms must be secured to prevent misuse.**

Please complete the form and provide it to the owner. The first non-completed VINs will be submitted to the California state DMV by early [June 2025]. If the vehicle owner’s warranty claim will not be processed and paid prior to this date, please be sure to complete a form and provide it to a California owner.

Install the Authorized Modifications Label after the repairs have been completed. Using a permanent marker, fill out the label and affix it to the location under the hood as indicted.

Form booklets and Authorization Labels can be ordered from the MDC (Booklet material number 00410-92007, Label material number 00451-00001-LBL).

1-4	"Remedy for (Campaign Designation) "	6	Date Completed
5	Dealer Code	7	Campaign Designation

IX. RETURN VEHICLE TO ORIGINAL CONDITION

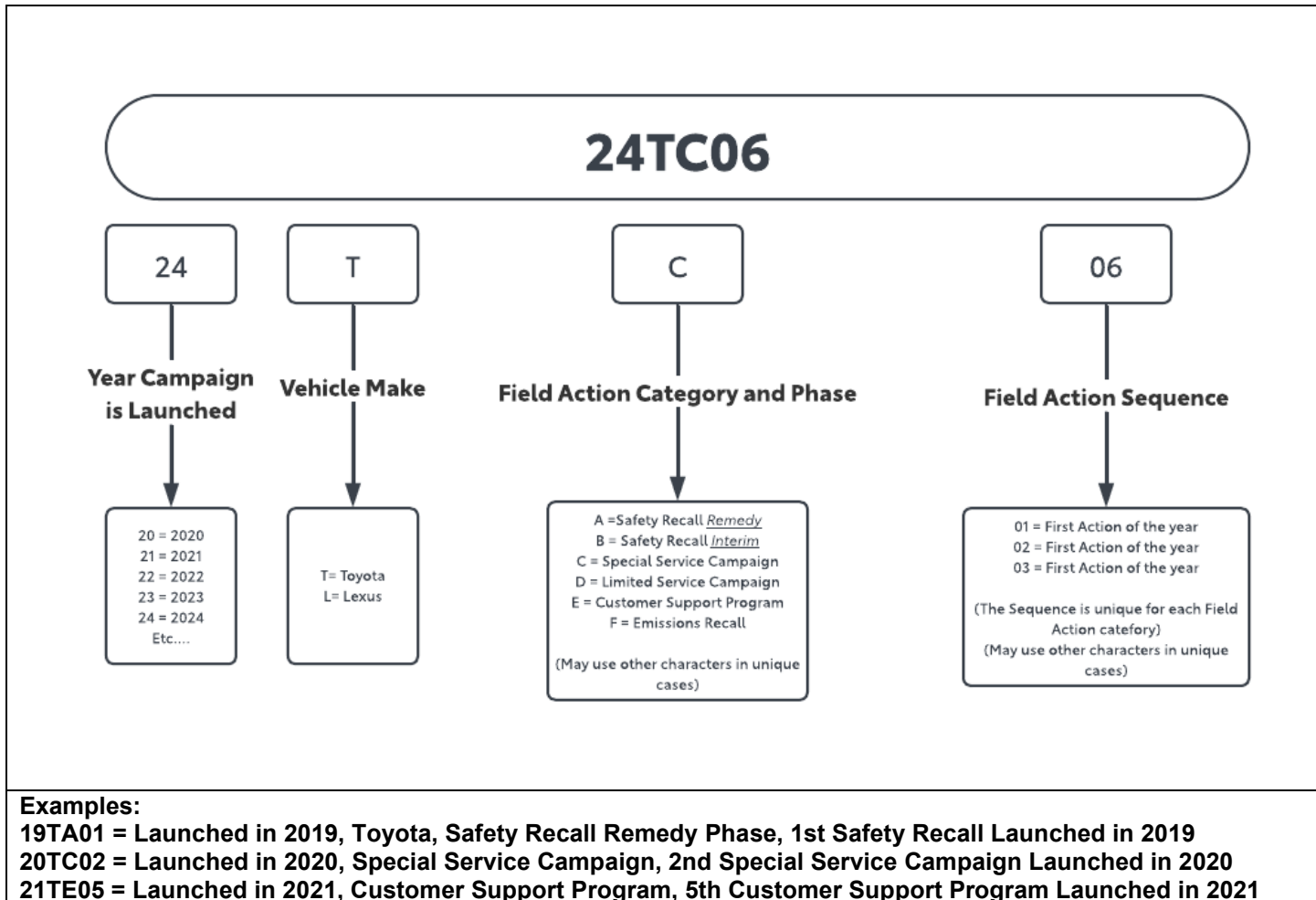
◀ VERIFY REPAIR QUALITY ▶

- Check for DTCs.
- Confirm Camera System is functioning properly.

If you have any questions regarding this update, please contact your regional representative.

X. APPENDIX

A. CAMPAIGN DESIGNATION DECODER



B. CAMPAIGN PARTS DISPOSAL

As required by Federal Regulations, please make sure all campaign parts (original parts) removed from the vehicle are disposed of in a manner in which they will not be reused, ***unless requested for parts recovery return.***