

TECHNICAL INSTRUCTIONS

FOR

23TA10

REPLACEMENT OF REAR COMBINATION LIGHT ASSEMBLY

CERTAIN

2022 MODEL YEAR TOYOTA GR86

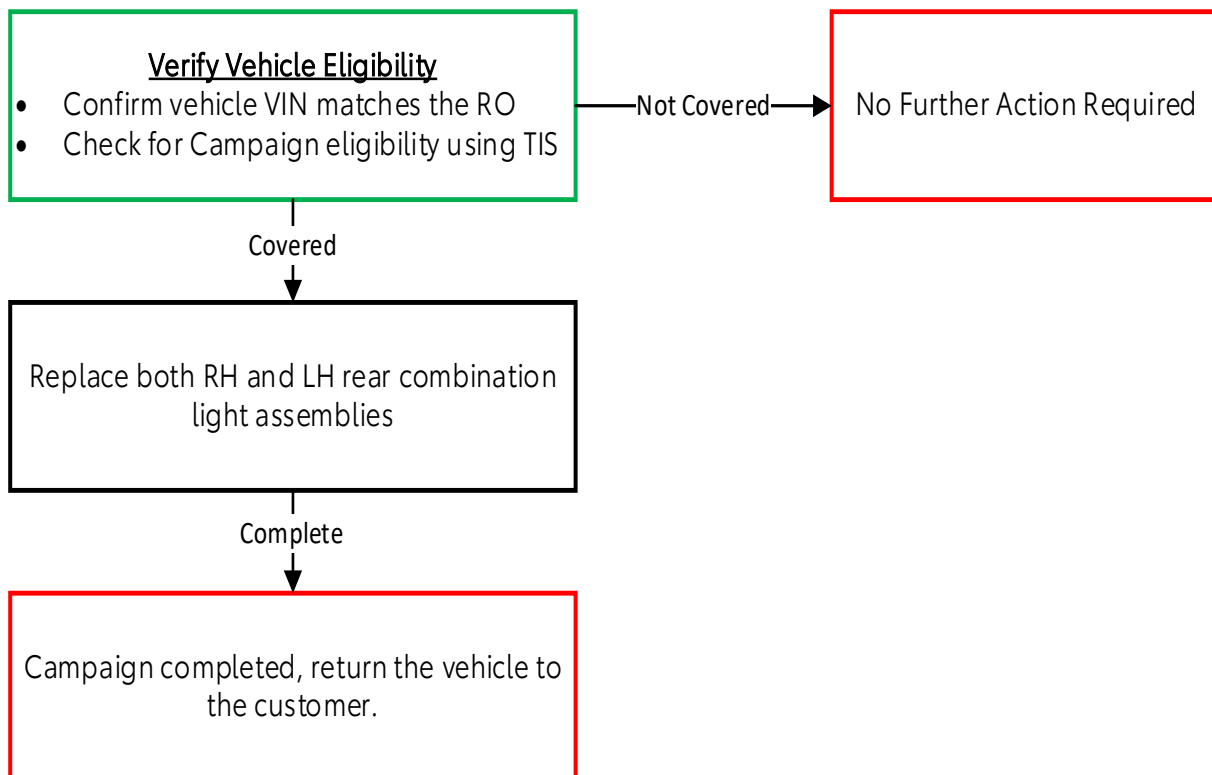
The repair quality of covered vehicles is extremely important to Toyota. All dealership technicians performing this Safety Recall are required to successfully complete the most current version of the E-Learning course "Safety Recall and Service Campaign Essentials". To ensure that all vehicles have the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

- TIC206A

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 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
SU003-11705	REAR COMBINATION LIGHT ASSEMBLY RH	1
SU003-11706	REAR COMBINATION LIGHT ASSEMBLY LH	1
SU003-08565	GROMMET	2

B. TOOLS & EQUIPMENT

- Standard Hand Tools
- Techstream +
- Torque Wrench

C. MATERIALS

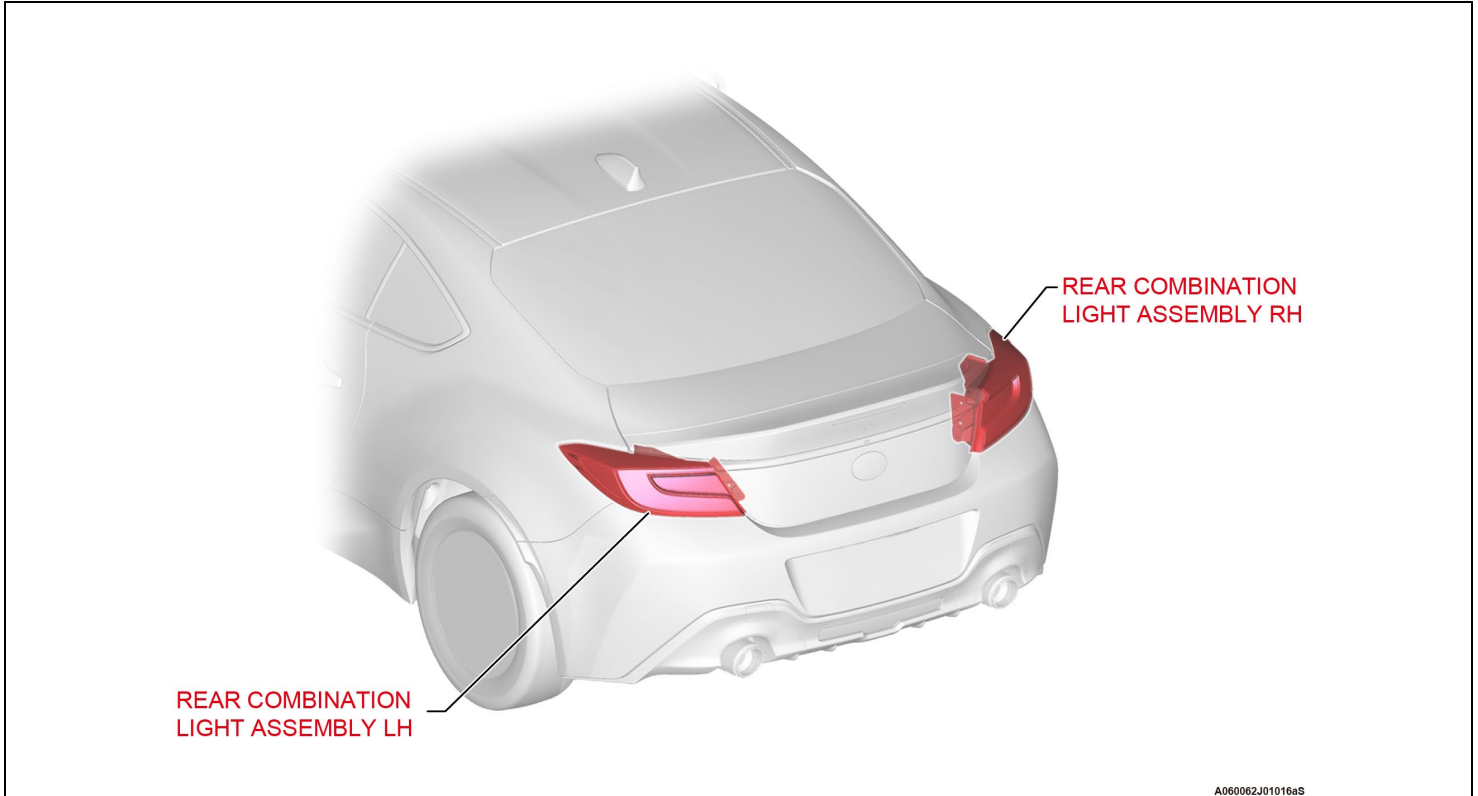
- Protective gloves
- Protective tape
- Marker pen
- Soft, Clean Cloth
- Cloth

IV. WORK PROCEDURE TABLE OF CONTENTS

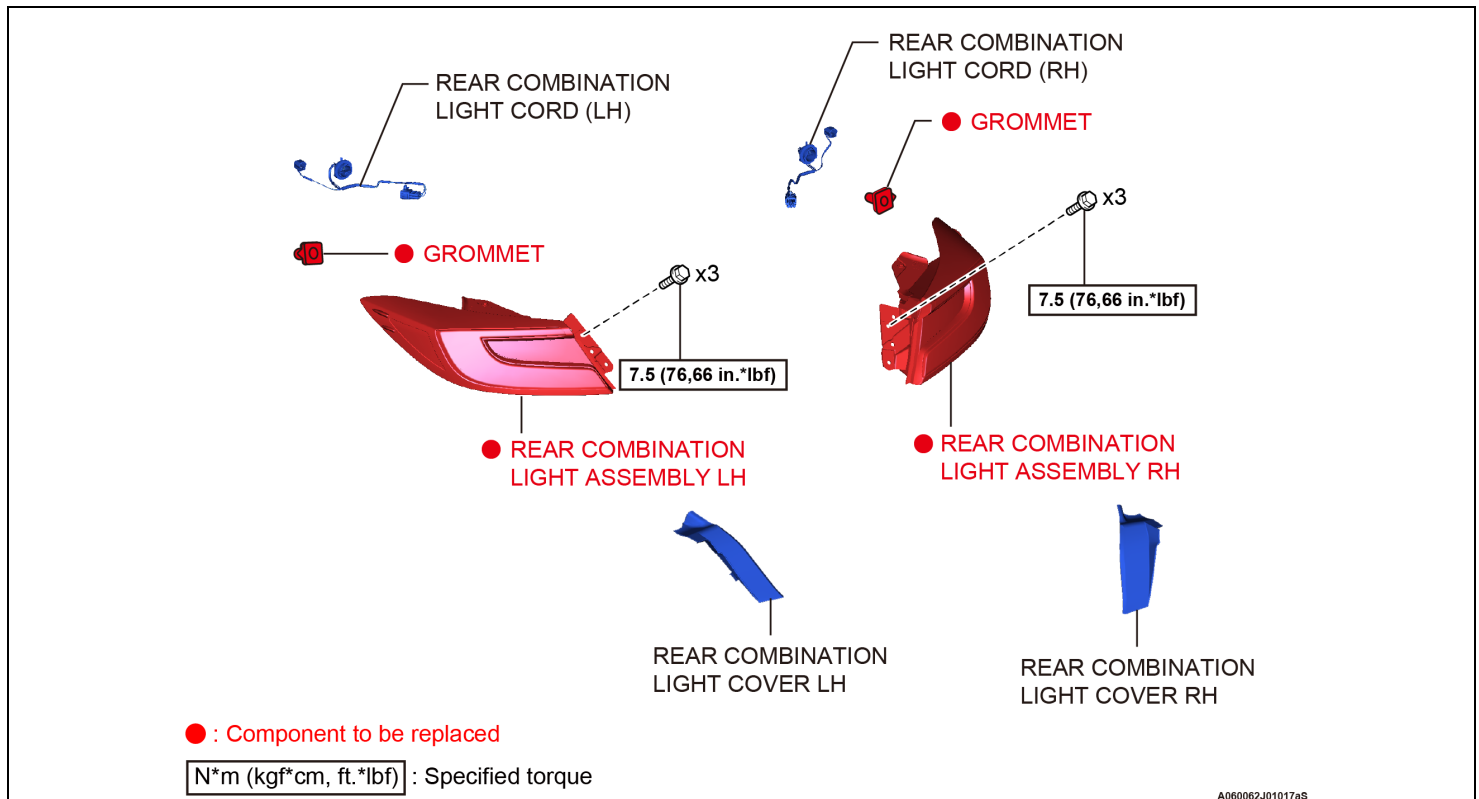
COMPONENTS	SECTION VI
REMOVE REAR COMBINATION LIGHT ASSEMBLY	SECTION VII
INSTALL NEW REAR COMBINATION LIGHT ASSEMBLY	SECTION VIII
APPENDIX	SECTION IX

V. BACKGROUND

The subject vehicles were manufactured by Subaru. According to Subaru, the affected vehicles may be equipped with rear combination light assemblies where the turn signal may become temporarily inoperable. If this were to occur, other road users may not realize that the rear turn signal or the rear hazard lights have been activated, increasing the risk of a crash.



VI. COMPONENTS



VII. REMOVE REAR COMBINATION LIGHT ASSEMBLY

HINT:

- Use the same procedure for the RH side and LH side.

1. CHECK FOR DTCS

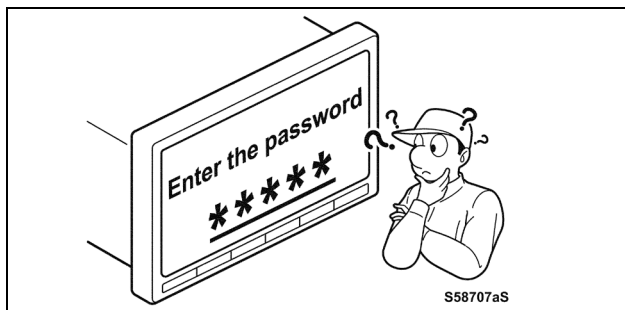
HINT:

This campaign covers only the replacement of rear combination light assembly and associated parts. It does not cover the diagnosis or replacement of any other parts on the vehicle.

2. RECORD CUSTOMER SETTINGS

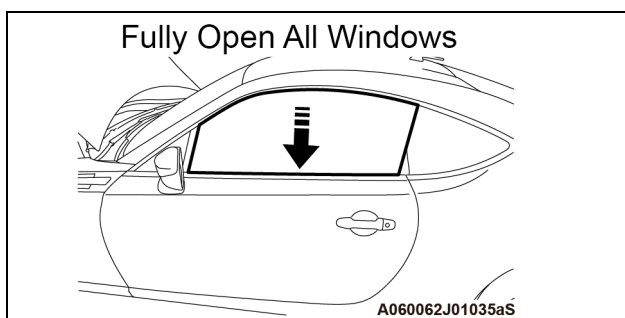
- When the battery cable is disconnected, the settings for the audio, air conditioning etc., may be reset. Therefore, make a note of the settings before disconnecting the cable from the negative battery terminal.
- METER / GAUGE SYSTEM (Clock / MID Setting value)
 - *: Initial setting value (Default setting)
 - Language (English* / French / Spanish)
 - Startup Scrn (ON* / OFF)
 - GSI (ON* / OFF) [Vehicles with manual transmission]
 - REV: Indicator (ON / OFF*)
 - REV: RPM (2000 - 7400rpm / OFF*<2000rpm>)
 - REV: Buzzer (ON / OFF*)
 - Warning Volume (Min / Mid* / Max)

- Clock: Clock Format (12H* / 24H)
- ii. EyeSight [Vehicles with an automatic transmission]
 - Acquisition Sound (ON* / OFF)
 - Start Alert (ON* / OFF)
 - PCB: Pre-Collision Braking (ON* / OFF)



3. TAKE MEASURES AGAINST SECURITY OF NAVIGATION SYSTEM

- a) In some cases, a user password is set for restart of the system after disconnection of the power supply. Obtain confirmation of the customer in advance regarding conditions of the system at the time of returning the vehicle to the customer.



4. FULLY OPEN DRIVER AND PASSENGER DOOR WINDOWS

NOTICE:

In order to prevent the moldings from being damaged, fully open the door windows before disconnecting the ground terminal from the battery state sensor assembly.

5. REMOVE REAR COMBINATION LIGHT ASSEMBLY

[Refer to TIS for instructions on Vehicle Exterior / LIGHTING \(EXT\) / REAR COMBINATION LIGHT ASSEMBLY / REMOVAL](#)

- a) Before disconnecting the negative battery terminal:
 - i. Before disconnecting the ground terminal, open the trunk and leave it open.

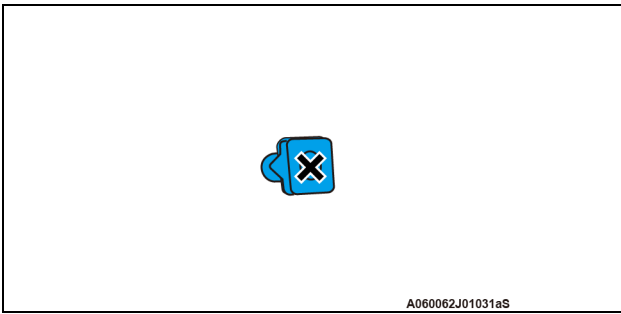


- b) Before removing the rear combination light assembly:
 - i. To prevent damage, apply protective tape to the area around the rear combination light assembly.

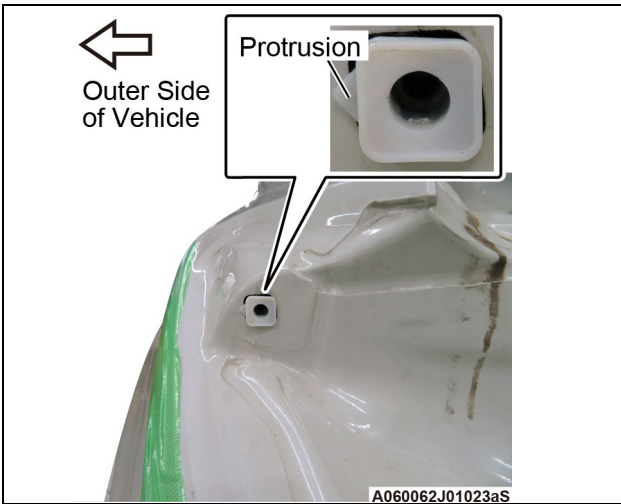


6. REMOVE GROMMET

- a) Apply protective tape in order to prevent damage due to the clip remover.
- b) While holding the grommet with your finger to prevent it from falling, remove the grommet with the clip remover.

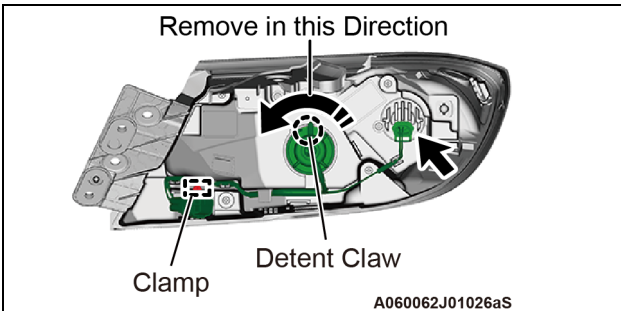


- c) Mark and store the removed grommet in a separate container so as to not reinstall it in error.



7. INSTALL *NEW* GROMMET

- a) Install a *NEW* grommet with its protrusion toward the outer side of the vehicle.

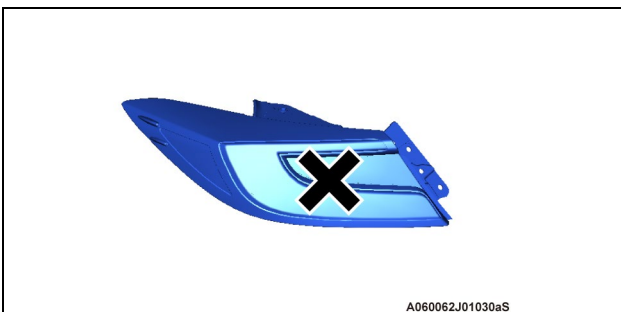


8. REMOVE REAR COMBINATION LIGHT CORD
REAR COMBINATION LIGHT ASSEMBLY: DISASSEMBLY

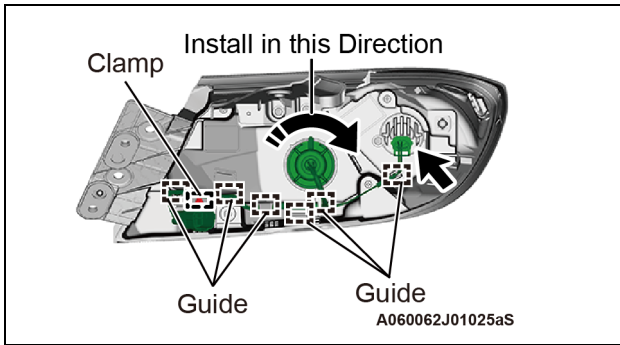
NOTICE:

To avoid electrostatic discharge to the LED unit, **DO NOT** touch the LED emitter, circuit board, or terminals.

- a) Disconnect the connector of the LED unit.
- b) Lift up the detent claw of the cover to release the lock, rotate it in the direction of the arrow to remove it, and then disconnect the connector inside.
- c) Disengage the clamp and remove the rear combination light cord.
- d) Drill a hole in the light housing in the removed rear combination light assembly.



VIII. INSTALL *NEW* REAR COMBINATION LIGHT ASSEMBLY



1. REINSTALL REAR COMBINATION LIGHT CORD

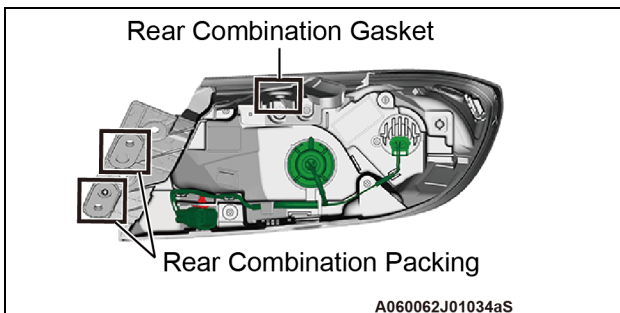
NOTICE:

- To avoid causing damage when installing the rear combination light cord, perform the work over a soft, clean cloth.
- To avoid electrostatic discharge to the LED unit, **DO NOT** touch the LED emitter, circuit board, or terminals.

- Align the positions of the rear combination light cord tape and the guides.
- Re-engage the clamp and reinstall the rear combination light cord.
- Reconnect the internal connector and rotate the cover in the direction of the arrow.
- Reconnect the connector of the LED unit.

2. INSTALL **NEW** REAR COMBINATION LIGHT ASSEMBLY

[Refer to TIS for instructions on Vehicle Exterior / LIGHTING \(EXT\) / REAR COMBINATION LIGHT ASSEMBLY / INSTALLATION](#)



NOTICE:

To prevent water entry, check that the packing and gasket are installed to the rear combination light assembly, and clean the installation surface on the body with a piece of cloth.

- Remove the protective tape.

Use the same procedure to replace the rear combination light assembly on the opposite side.

3. RESTORE CUSTOMER SETTINGS

- METER / GAUGE SYSTEM (Clock / MID Setting value)

*: Initial setting value (Default setting)

- Language (English* / French / Spanish)
- Startup Scrn (ON* / OFF)
- GSI (ON* / OFF) [Vehicles with manual transmission]
- REV: Indicator (ON / OFF*)
- REV: RPM (2000 - 7400rpm / OFF*<2000rpm>)
- REV: Buzzer (ON / OFF*)
- Warning Volume (Min / Mid* / Max)
- Clock: Clock Format (12H* / 24H)

- Clock: Time Setting
- b) EyeSight [Vehicles with an automatic transmission]
 - Acquisition Sound (ON* / OFF)
 - Start Alert (ON* / OFF)
 - PCB: Pre-Collision Braking (ON* / OFF)

4. CHECK THAT LIGHTS ILLUMINATE

- a) Check that the following lights in the rear combination light assembly illuminate.
 - i. Taillight
 - ii. Stop Light
 - iii. Rear Turn Signal Light

5. CHECK AND CLEAR DTCS

6. CLEAN REAR COMBINATION LIGHT ASSEMBLY

◀ VERIFY REPAIR QUALITY ▶

- Visually confirm the function of both rear combination lights. Taillights, stop lights, turn signals.
- If you have any questions regarding this recall, please contact your regional representative.

IX. APPENDIX

A. PARTS DISPOSAL

In accordance with Federal Regulations, please make sure all recalled 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.**

B. CAMPAIGN DESIGNATION DECODER

