

トヨタ純正

Headlamp (round)

Installation instructions

Thank you for purchasing a genuine Toyota headlamp (round).
This manual describes how to install headlamps (round).
Please be sure to read this before installation to ensure correct installation.

Product number

Product number	81004-60010
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Components

No.	Product name	Product number	Quantity
ŷ	ŷ Headlamp (Round) RH	-	1
ŷ	ŷ Headlamp (round) LH	-	1

Tools and parts required for installation

- General tools, molding remover, protective tape, torque wrench, rags, tray

Installation precautions

In this installation manual, the following marks are used to indicate things you should especially observe to ensure safe operation.



注意 ...Failure to follow the precautions may result in an accident, injury, or damage to the vehicle. ...Here

アドバイス are some things you should know to ensure you get the job done quickly.

- (1) Park the vehicle on a level surface, apply the parking brake, and make sure to chock the wheels. (2)
- Pay attention to safety while working on the undercarriage, and never start the engine or get in the vehicle. (3) When removing vehicle parts, organize the tapping screws, bolts, nuts, etc. by part to avoid losing them, and be careful not to make any mistakes when reassembling the vehicle. Also, be careful when handling the removed parts so as not to damage the vehicle or the vehicle.
- (4) After the battery restoration work is completed, some vehicle functional parts need to be initialized. Be sure to perform the initialization work after the work is completed. Please go.
- (5) If there is oil or dirt on the surface to be attached, it may cause the sticker to fall off or peel off, so be sure to thoroughly wipe it off with a degreasing agent or similar. please.
- (6) When using degreasing agents, etc., be careful of fire.

Before installation

- Disconnect the battery's (-) side cable



To install the parts,

- Use tools that match the dimensions

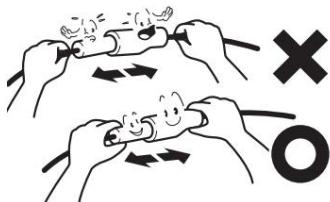


- Be careful of the back side and not get the harness caught



Wiring is

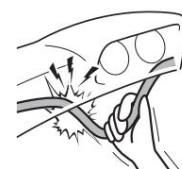
- Hold the main body to remove the connector.



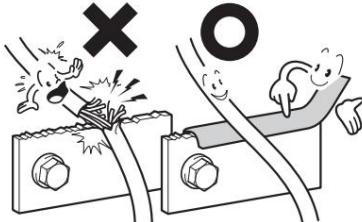
- Bundle with the vehicle harness or secure with a clamp.



- Connect the connector securely. • Do not pull it with force.



- Protect burrs and edges with protective sheets etc.



- When wiring through a grommet, make sure to waterproof it completely.



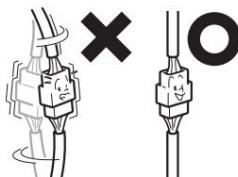
- Process the harness to ensure that the vehicle parts are restored.



Clamp is

- Do not tighten the clamp too much.

- Cut off the excess part



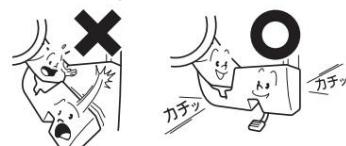
- Make sure that the cut terminal does not come into contact with other harnesses.

- Clamp the connector to prevent abnormal noise.

- Cut the cut terminal so that it does not become sharp (to prevent injury)

- After installation is complete, the vehicle parts are

- restored to their original condition.

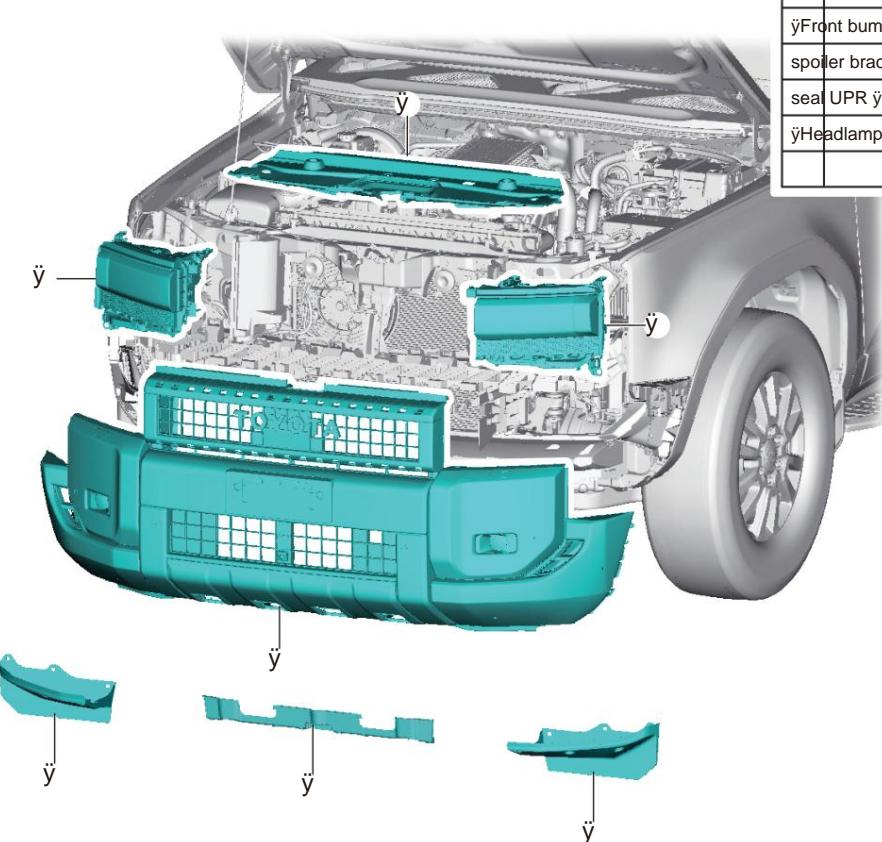
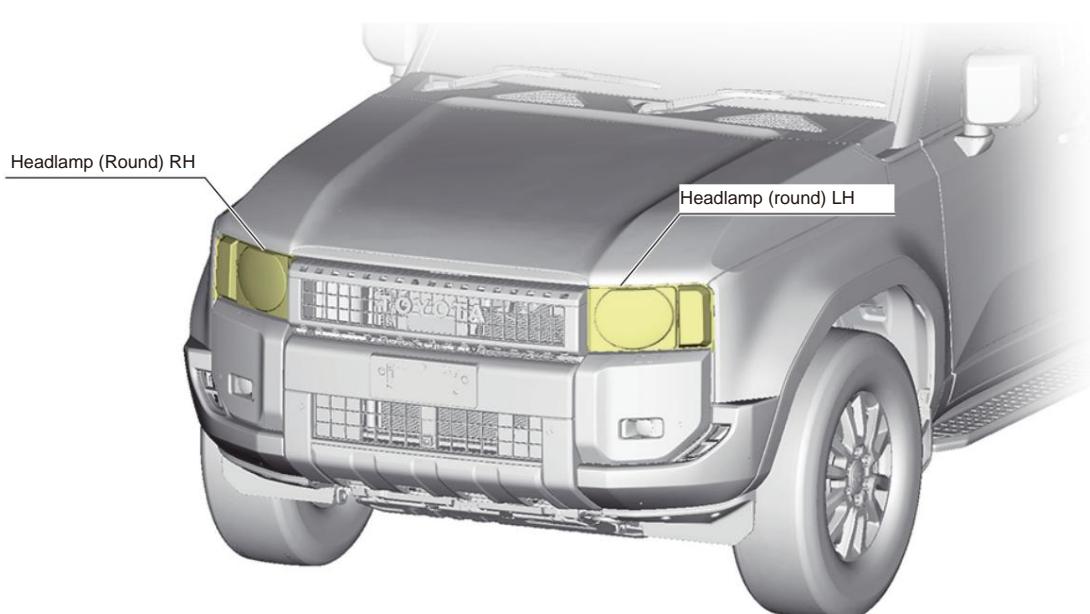


注意

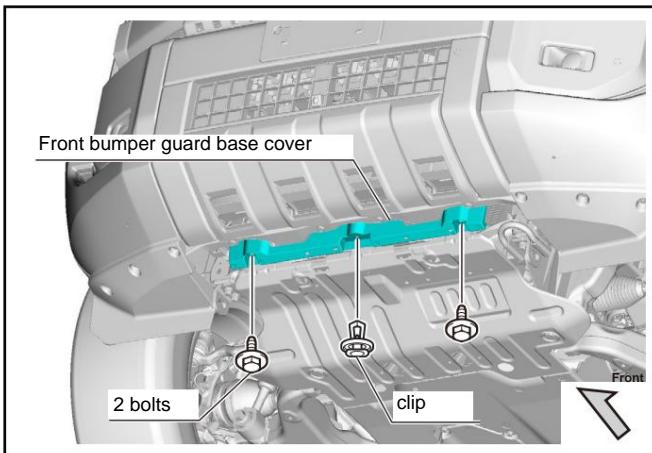
When working with the battery connected, be careful not to hit the airbag sensor or other parts.

Pre-work inspection

Please check the operation of the electrical system, including the door mirrors, door locks, and power windows.

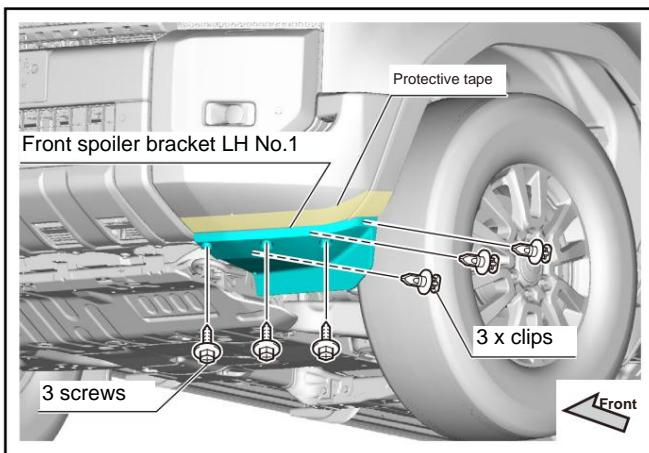
Vehicle part removal overview**Installation Overview**

Vehicle part removal instructions



Removing the front bumper guard base cover 1.

Remove the two bolts and clips, and remove the front bumper guard base cover.

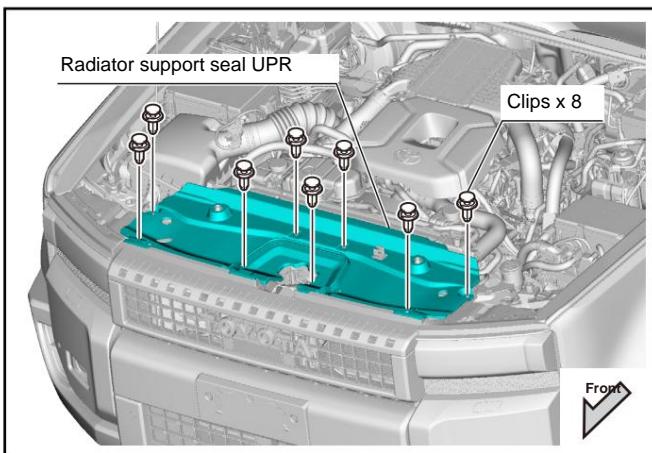


Removing the Front Spoiler Bracket RH/LH No. 1 1.

Apply

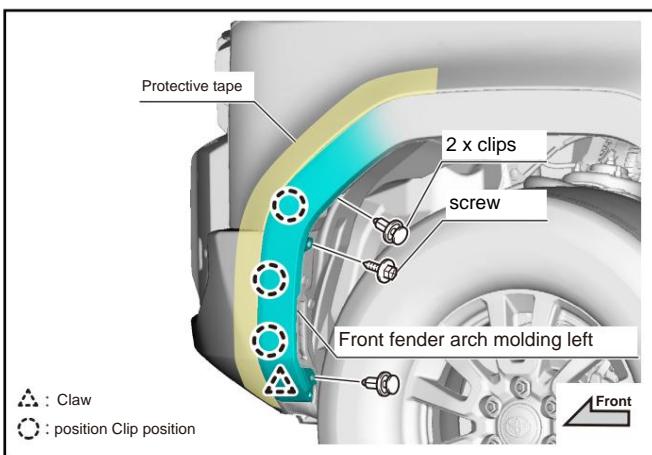
protective tape to prevent scratches around the Front Spoiler Bracket LH No. 1. 2. Remove the three clips and three screws and remove the Front Spoiler Bracket LH No. 1.

3. Similarly, remove the front spoiler bracket RH No.1.



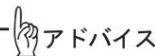
Removing the radiator support seal UPR

1. Remove the clips (8 pieces) and remove the radiator support seal UPR.

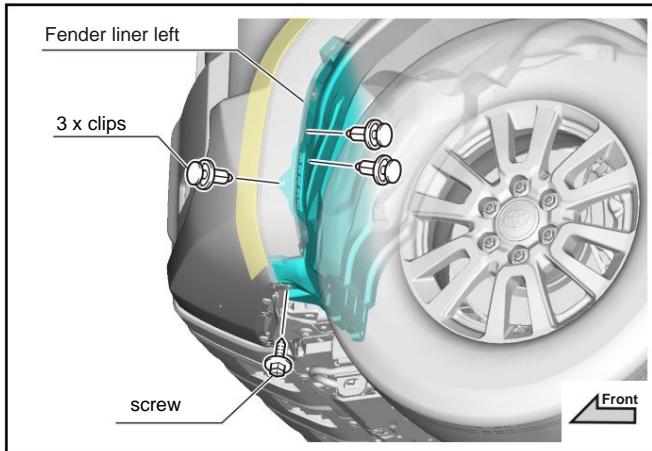


Removing the front bumper assembly

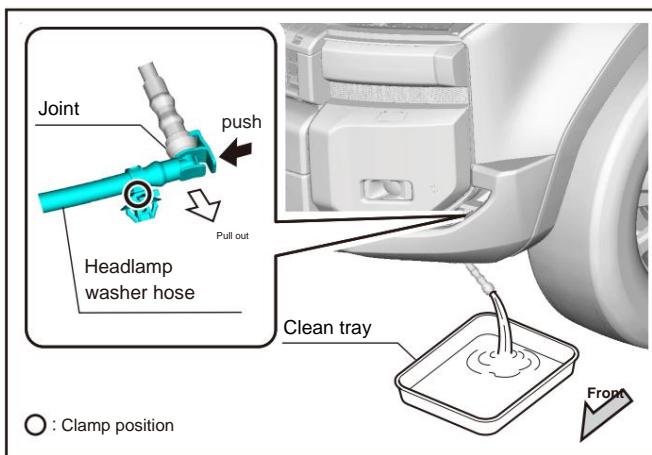
1. Apply protective tape around the left-hand front fender arch molding to prevent scratches.
2. Remove the two clips and screws. 3. Release the three tabs and clips on the left-hand front fender arch molding.



アドバイス
Do not remove the front fender arch molding, but lift it up to carry out the work.



4. Lift the left front fender arch molding and remove the screws and clips (3) from the left fender liner.
5. Flip up the left fender liner and disconnect the bumper harness connector.
6. Similarly, flip up the right fender liner and disconnect the bumper harness connector.



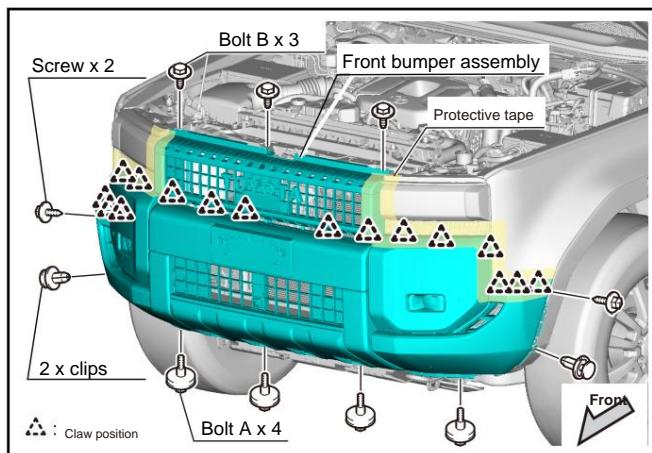
7. Flip up the left fender liner and remove the clamp from the headlamp washer hose.

8. Disconnect the headlamp washer hose joint as shown in the diagram and drain the washer fluid into the tray underneath.

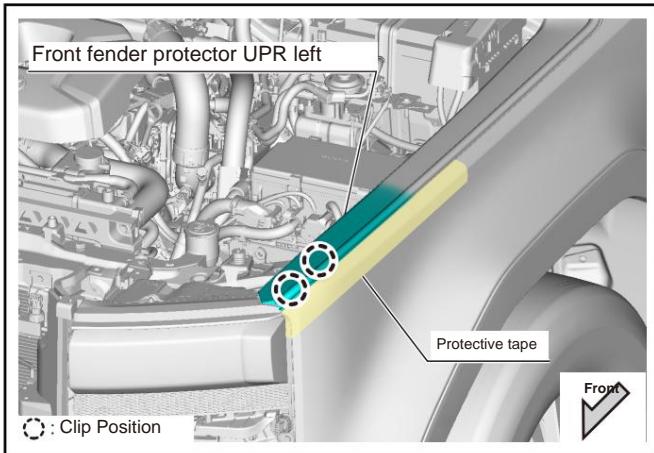


注意

(1) Be careful not to pull the washer hose too hard and damage the joints. (2) Use a clean tray as the vehicle's washer fluid will be reused. (3) When reassembling, be sure to return the vehicle's washer fluid to its original state.



9. Apply protective tape around the front bumper assembly and on the front bumper assembly to prevent scratches.
10. Remove the two screws, two clips, four bolts A and three bolts B.
11. Release the tabs (16 locations) and remove the front bumper. Remove the par ASSY.

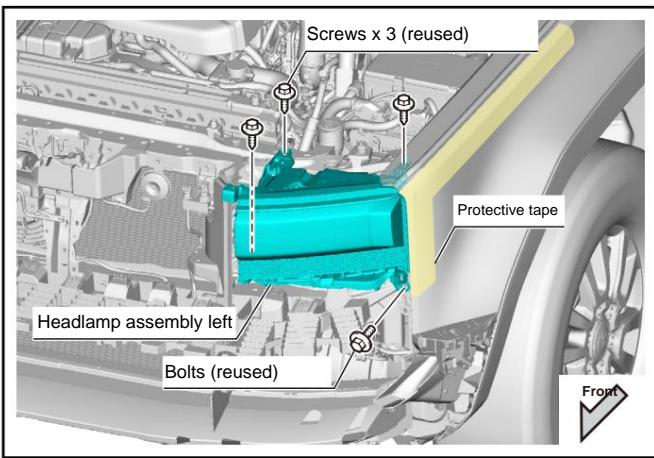


Removing the headlamp assembly

1. Apply protective tape around the front fender protector UPR LH to prevent scratches. 2. Release the clips (2 places) of the front fender protector UPR LH.



Do not remove the front fender protector UPR, but lift it up during the work.



3. Apply protective tape around the left headlamp assembly to prevent scratches.
4. Disconnect the connector. 5.

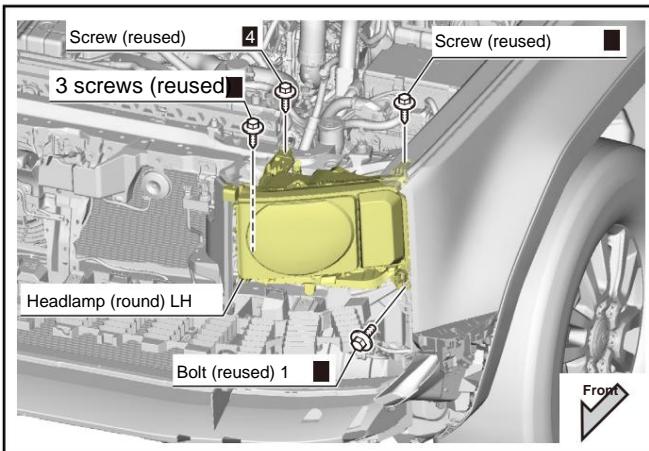
Lift the front fender protector UPR LH, remove the three screws and bolts, and then remove the headlamp ASSY LH.



The removed screws and bolts will be reused, so please keep them in a safe place until installation.

6. Similarly, remove the headlamp ASSY RH.

Headlamp (round) installation work



Installing a round headlamp

1. As shown in the diagram, temporarily attach the headlamp (round) LH with the bolts and screws (3 pieces) **2**. As shown in the diagram, tighten the headlamp (round) LH with the bolts and screws (3 pieces) in the order of **to** **Tightening torque: 5.9 Nm (bolts)**



注意

Reuse the removed screws and bolts to install.

3. Connect the connector.
4. Install the right headlamp (round) in the same way.
5. Reassemble the front bumper assembly.

Operation check

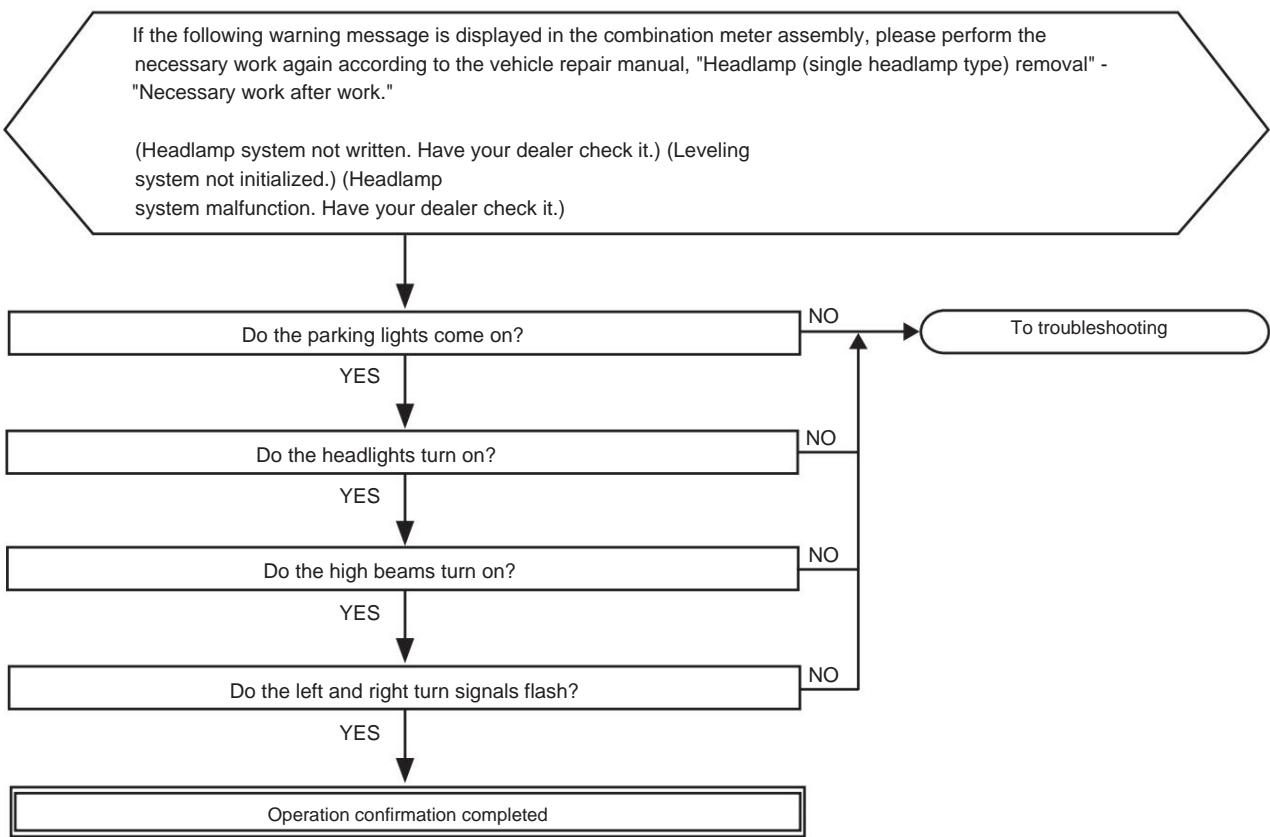
1. Checking the installation

Before checking the operation, make sure there are no abnormalities in the wiring or installation.

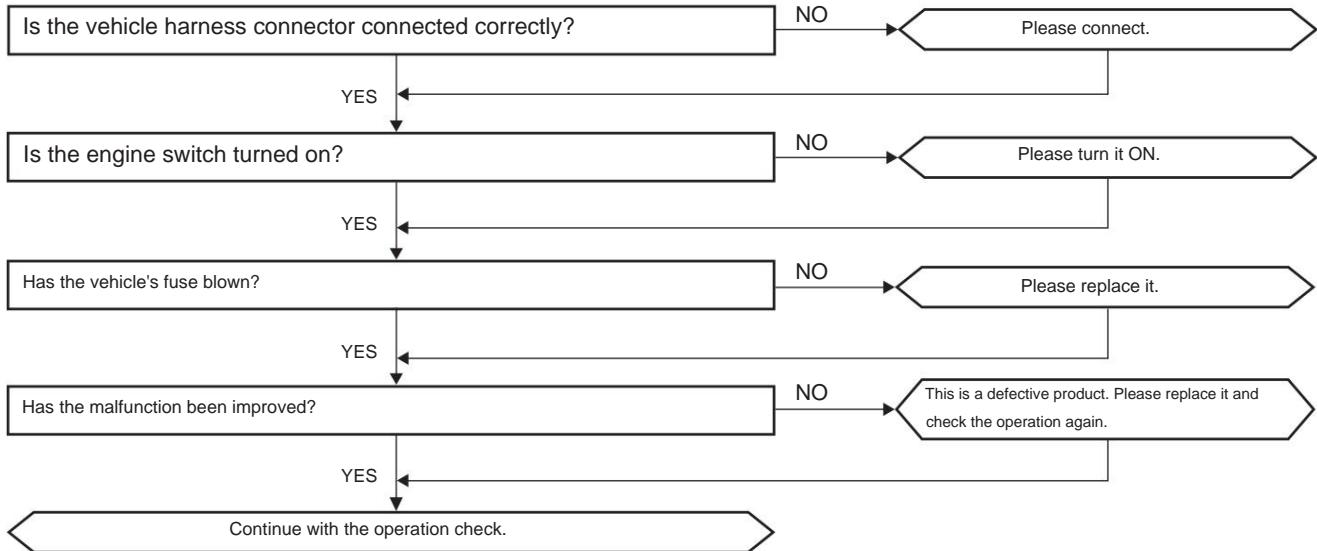
2. Check before

operation - Connect the battery (-) terminal. - Park the vehicle on a level surface, apply the parking brake, and make sure to chock the wheels before starting work. - Carry out the necessary work according to "Headlamp (single headlamp type) removal" - "Necessary work after work" in the vehicle repair manual. **3. Check operation**

(1) Follow the steps below to check operation. If a malfunction occurs, proceed to troubleshooting and perform an inspection.



Troubleshooting



Restoration work

After completing the "operation check", please reinstall the removed vehicle parts while paying attention to the following points.



When restoring the system, be careful not to pinch the vehicle harness or damage vehicle parts.

Precautions when restoring the battery

After completing the battery restoration procedure, initialization may be required depending on the vehicle system.

Please refer to the vehicle repair manual for initialization procedures.

* Initializing the vehicle system may require a tool such as GTS+.

Final confirmation

1. Check again to make sure there are no pinched wires or improper installation of vehicle parts.
2. Check that there are no abnormalities in the electrical system, such as the door mirrors, door locks, power windows, etc.

Optical axis adjustment

After installing the headlamp (round), please adjust it according to the "Headlamp (single headlamp type) adjustment" section in the vehicle repair manual.