



## **SAFETY RECALL**

### **CONVENTIONAL HEADLAMP ANTI- ADJUSTMENT CAP**

RECALL NO: M0430  
DATE: 8-3-2023  
REFERENCE: RCB-004-23

## SUBJECT VEHICLES:

Certain 2022 and 2023 model year Hino Conventional trucks equipped with a Cummins B6.7 engine that were assembled at the Mineral Wells, West Virginia, USA assembly plant.

**Note: Refer to the appropriate Vehicle Identification Number in the warranty system to determine vehicle eligibility.**

**NEW VEHICLES IN DEALERSHIP INVENTORY** As required by Federal law (49 Code of Federal Regulations §577.13), dealerships are not to deliver any new vehicles in their inventory that are involved in a Safety Recall unless the vehicle has been remedied. Refer to the appropriate Vehicle Identification Number (VIN) list to determine vehicle eligibility.

## OVERVIEW:

Due to the non-standard work during hood or headlamp replacement at the factory, there is a possibility that the back cover(s) and/or the anti-adjustment cap(s) may not have been properly installed. The following work procedure provides the necessary steps for inspecting for the presence of anti-adjustment caps and back covers, and if missing, confirming headlamp aim, and installing any missing caps or covers.



## BEFORE YOU BEGIN:

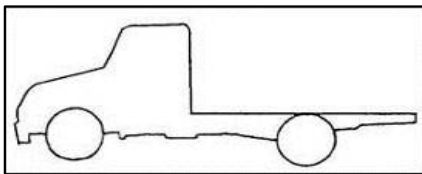
- Read and understand all instructions and procedures before you begin the work.
- Read and follow all **NOTICES** and **WARNINGS** set forth in this publication. These alerts help to avoid damage to components, serious personal injury, or both.
- Park the vehicle on a level and solid surface and apply the parking brake firmly. Confirm parking brake activation.
- Confirm the engine is stopped, the starter switch is in the off (LOCK) position, and the key is removed.
- Always wear safety glasses to prevent eye injuries.
- Place wheel chocks in front of and behind all wheels to prevent the vehicle from moving.

## PARTS:

PART NUMBER	PART DESCRIPTION	QUANTITY
89279E0340	LED Headlamp Anti-Adjustment Cap	As Needed
S811161210	Headlamp Back Cover	As Needed
SZ95039299	Fastener	As Needed

## VEHICLE PREPARATION:

1. Park the vehicle on a level and solid surface. Confirm the engine is stopped, the starter switch is in the off (LOCK) position, and the key is removed.



2. Apply the parking brake. Chock all of the wheels.





## REPAIR PROCEDURE:

This repair procedure will guide you through inspecting the vehicle for the following conditions:

- The presence of headlamp back covers on both LED and halogen equipped vehicles.
- The presence of anti-adjustment caps on LED headlamp equipped vehicles.
- The position of the lock out tabs on the anti-adjustment cap for halogen headlamp equipped vehicles.

Based on your inspection results, the repair procedure may direct you to check the headlamp alignment and adjust as necessary.

**1.** Inspect the vehicle's headlamps and determine if the vehicle is equipped with LED headlamps or halogen headlamps.

LED Headlamps - Proceed to **Step 2**.

Halogen Headlamps - Proceed to **Step 5**.



2. Release the driver and passenger side hood latches and raise the hood.

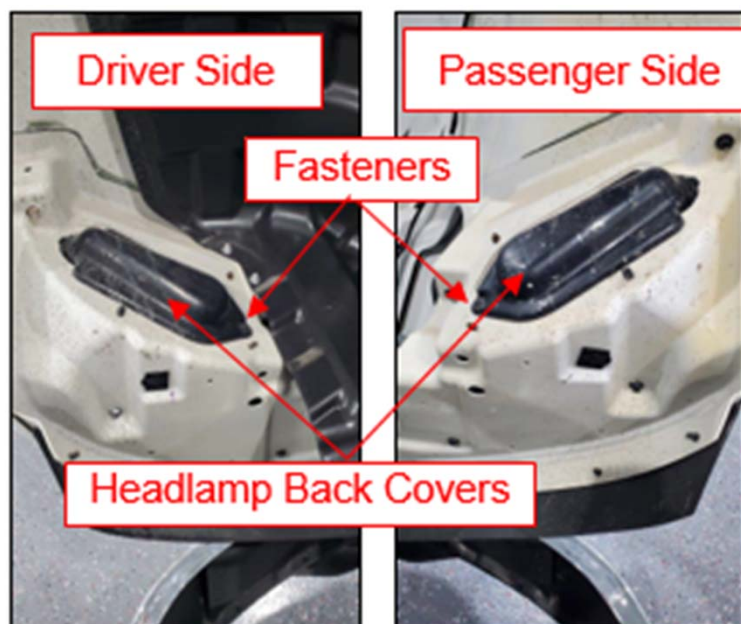


3. Inspect the vehicle for driver side and passenger side headlamp back covers on the backside of the hood.

Are the headlamp back covers installed on the driver side and passenger side of the vehicle?

**Yes** – Proceed to **Step 4**.

**No** – Install missing cover(s) using one fastener per headlamp cover. Proceed to **Step 4**.

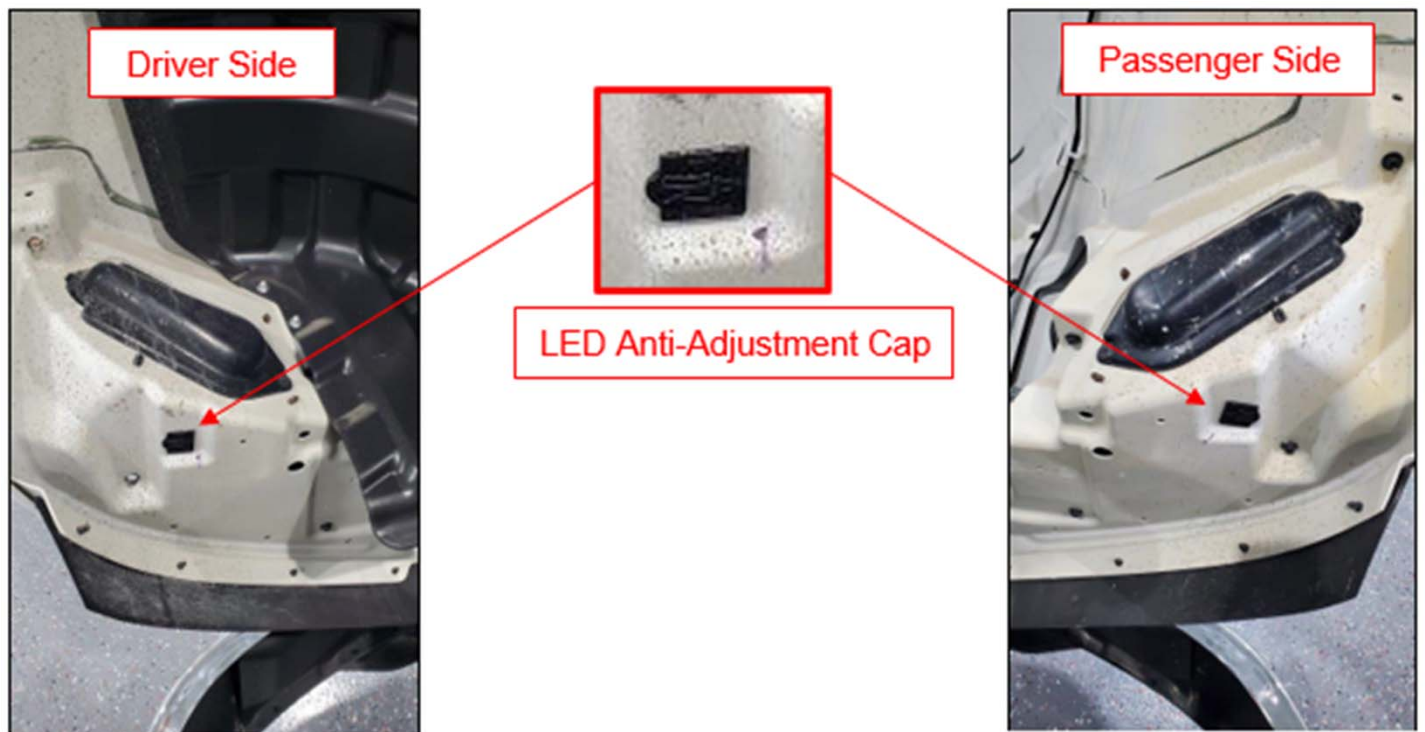




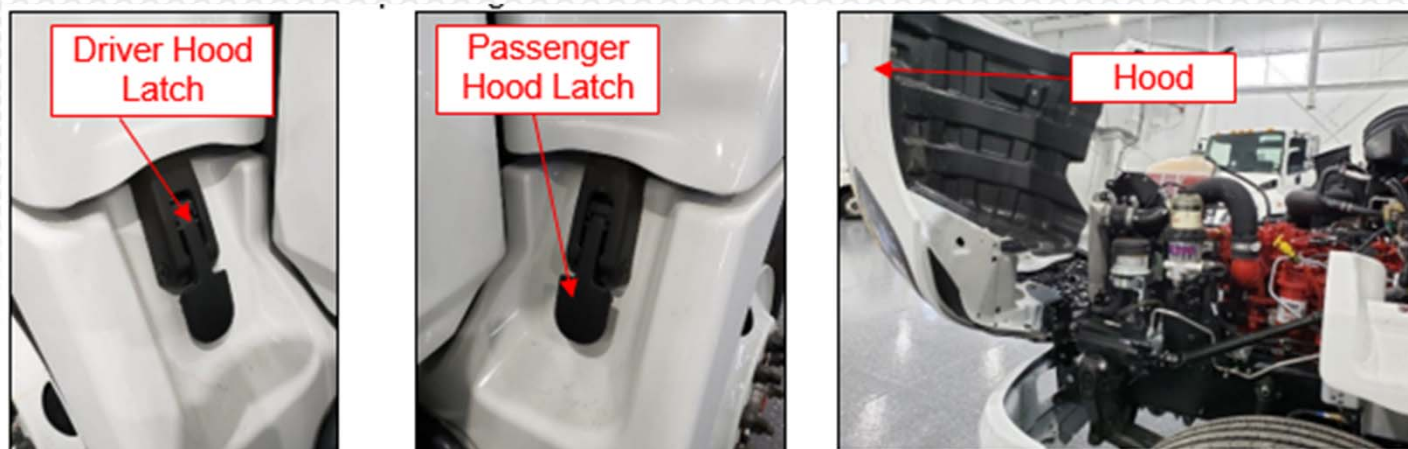
4. Locate and inspect to see if anti-adjustment caps are installed on the driver side and passenger side of the vehicle. Are both anti-adjustment caps installed?

**Yes** – No additional repairs are necessary, proceed to the FINAL INSPECTION section.

**No** – Close the hood, close the hood latches and proceed to the **HEADLAMP ALIGNMENT CHECK PROCEDURE, Step 1**

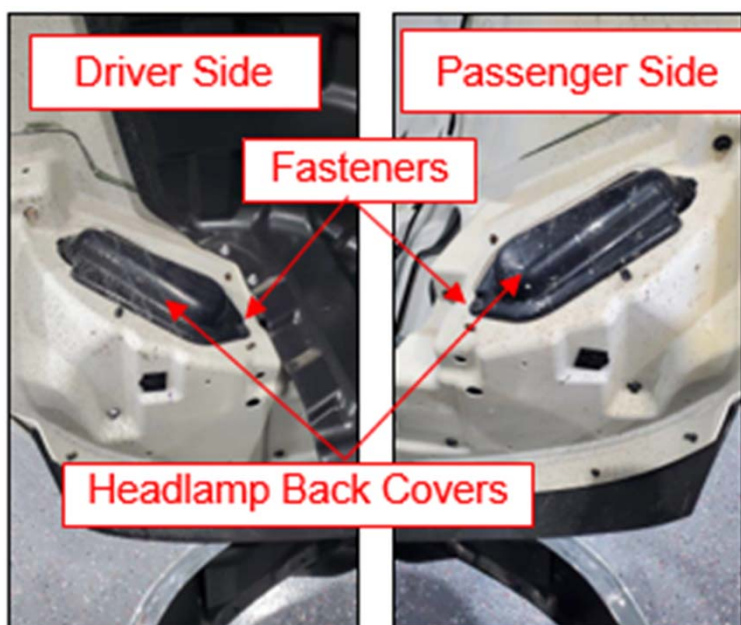


5. Release the driver and passenger side hood latches and raise the hood.



6. Locate the headlamp back cover on the driver side and passenger side of the vehicle. Remove both fasteners and headlamp back covers. Retain the headlamp back covers and fasteners for later reassembly. In some cases, the headlamp back covers and fasteners might be missing, if missing, new headlamp back covers and fasteners will need to be installed prior to completion of this publication.

– Proceed to **Step 7**.

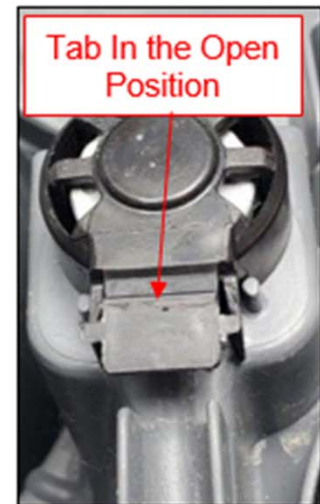




7. Inspect the tab on the halogen anti-adjustment cap. Is the tab in the closed position?

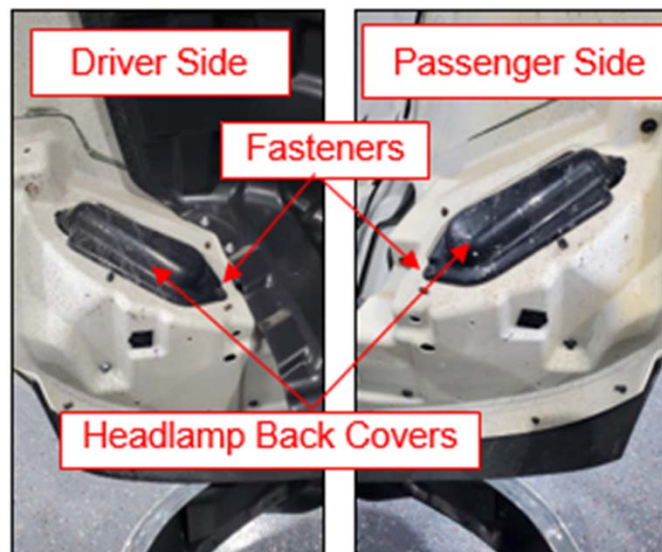
**Yes** – Proceed to **Step 8**.

**No** – Close the hood, latch the hood latches and proceed to the **HEADLAMP ALIGNMENT CHECK PROCEDURE, Step 1**



8. Install the previously removed headlamp back covers and fasteners on the driver side and passenger side of the hood. If the headlamp back covers and fasteners were initially found to be missing during step 6, new headlamp back covers and fasteners will need to be installed. After installation, close and latch the hood.

Proceed to the **FINAL INSPECTION** section, no additional repairs are necessary.





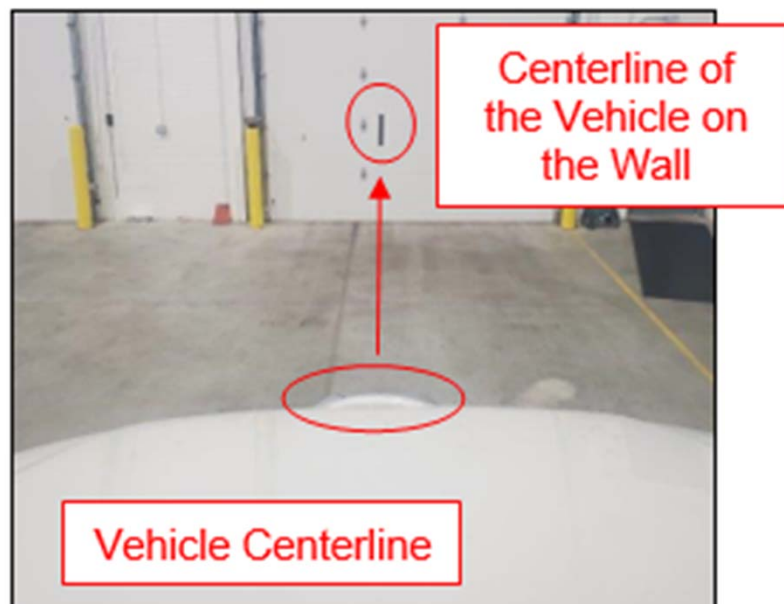
## HEADLAMP ALIGNMENT CHECK PROCEDURE:

1. Position and park vehicle on a level surface 25 feet from a wall. Ensure the vehicle is straight and both headlamps are an equal distance from the wall. Proceed to **Step 2**.



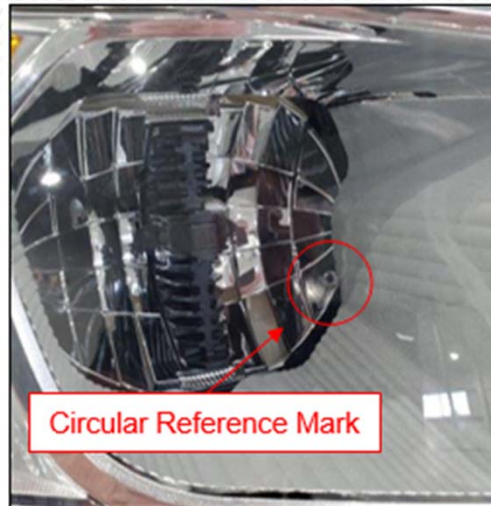
2. The center of the Hino emblem located on the hood is the approximate centerline of the vehicle. In relationship to the vehicle centerline, locate and mark the vehicle's centerline on the wall. Proceed to **Step 3**.

**NOTICE:** A laser pointer may be helpful to perform this step.

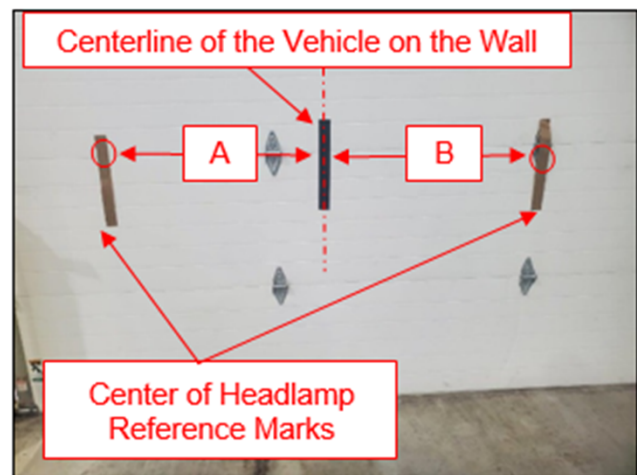
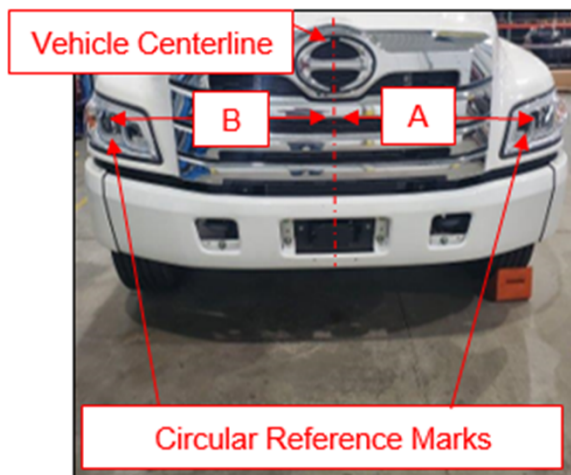


3. On the driver side and passenger side headlamp, locate the small circular mark on the headlamp lens. This circular mark indicates the center of each headlamp assembly. This circular mark will be used as a reference mark for measurements taken in step 4 and step 5 in the Headlamp Alignment Check Procedure.

Proceed to **Step 4**.



4. Using the vehicle, measure and record the distance from the vehicle's centerline to the driver side circular reference mark, this measurement will be measurement A. Repeat the measurement for the passenger side circular reference mark to the vehicle centerline, this measurement will be measurement B. Transfer these measurements to the wall and mark their positions.



Proceed to **Step 5**.



5. Using the vehicle's headlamp assemblies, measure and record the distance from the driver side circular reference mark to the ground. Then measure and record the distance from the passenger side circular reference mark to the ground. Now transfer these measurements to their corresponding positions on the wall and mark their positions.

Proceed to **Step 6**.



6. Turn the low beam headlamps on and observe the light pattern. The high intensity zones of the light pattern should be located below the horizontal marks and centered with the vertical marks as shown.





Are the high intensity zones of the light pattern located below horizontal marks and centered with the vertical marks on the wall?

**Yes** – LED Headlamp Equipped Vehicle, Proceed to **Step 7**.

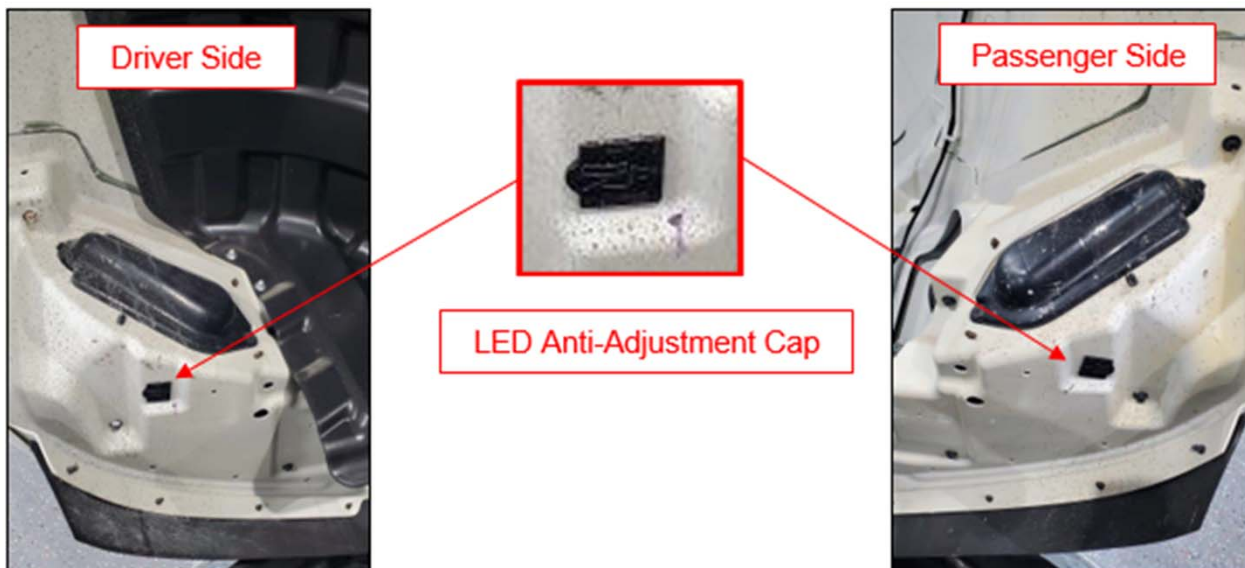
**Yes** – Halogen Headlamp Equipped Vehicle, Proceed to **Step 8**.

**No** – LED or Halogen Equipped Vehicle

Proceed to **Headlamp Adjustment Procedure, Step 1**.

7. Release the driver and passenger side hood latches and raise the hood. Install the anti-adjustment caps on the driver side and passenger side positions. Close the hood and latch both the right and left hood latches in the locked position.

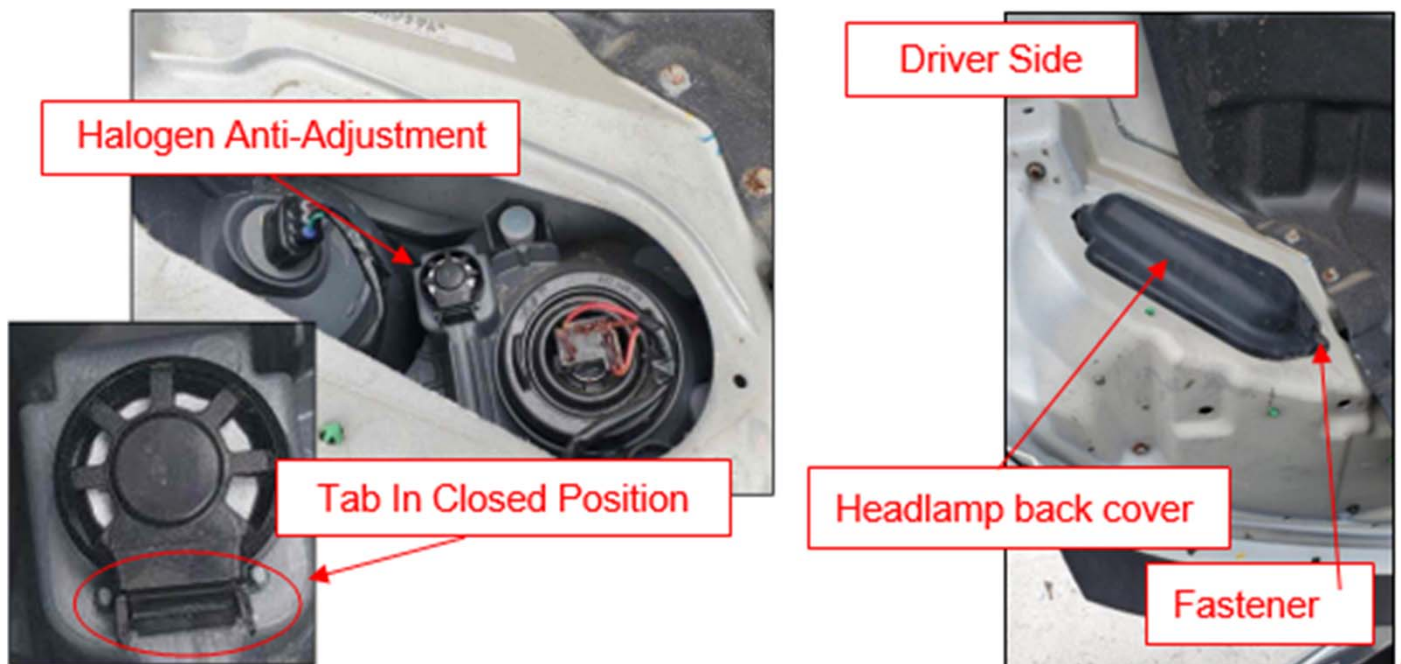
Proceed to the **FINAL INSPECTION** section, no additional repairs are necessary.



8. Position the anti-adjustment tabs in the closed position for the driver and passenger side headlamps and then install the headlamp back covers and fasteners on the driver side and passenger side of the hood. Close the hood and latch both the right and left hood latches in the locked position.

Proceed to the **FINAL INSPECTION** section, no additional repairs are necessary.

**NOTICE:** Driver side shown below for reference.





## HEADLAMP ADJUSTMENT PROCEDURE:

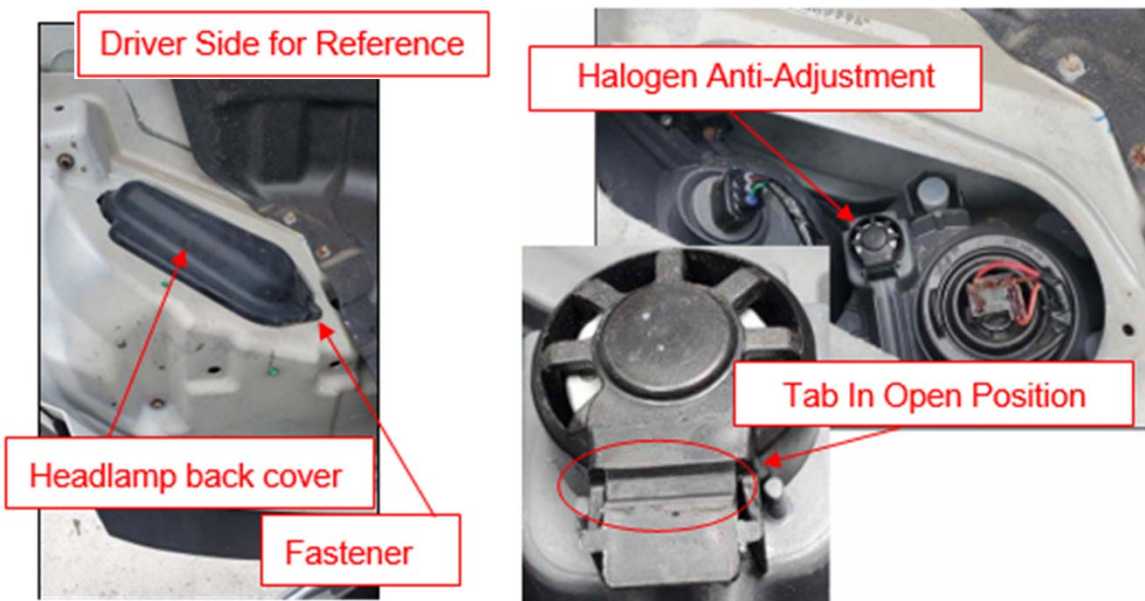
1. Inspect the vehicle's headlamps and determine if the vehicle is equipped with LED or halogen headlamps.

LED Headlamps - Proceed to **Step 3**.

Halogen Headlamps - Proceed to **Step 2**.



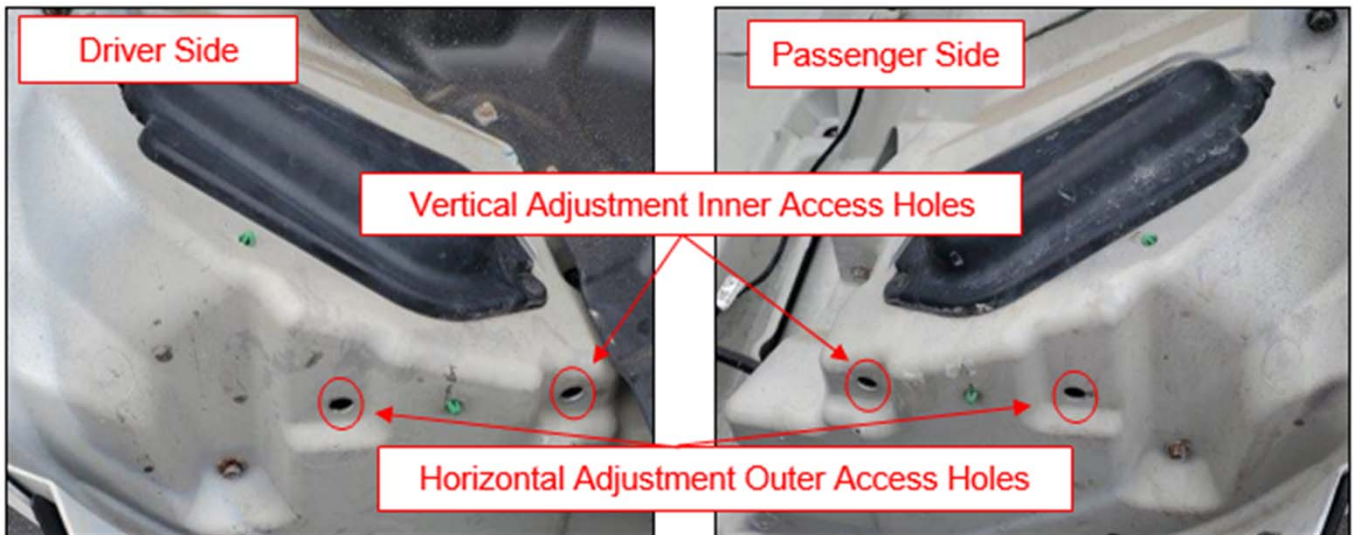
2. . Adjustment to the horizontal position of the halogen headlamp assembly requires the headlamp back cover to be removed and the anti-adjustment locking tab placed into the open position. Remove the fasteners and covers if installed and retain them for later reassembly. With the anti-adjustment locking tab's now accessible, place them in the open position.



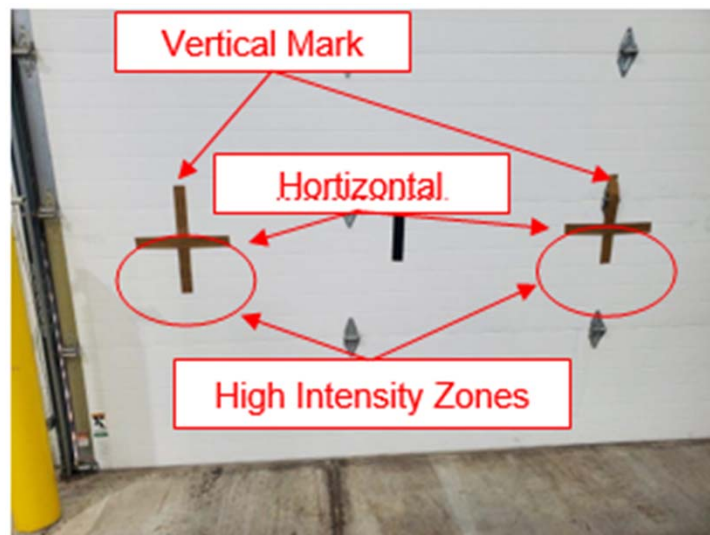


3. Horizontal adjustments are made by gaining access to the adjustment screws using the outer access holes and vertical adjustments are made by gaining access to the adjustment screws using the inner access holes located on the backside of the hood. Locate these access holes. Proceed to **Step 4**.

**NOTICE:** The photograph below represents an LED headlamp assembly without the anti-adjustment caps installed.



4. Using a Phillips screwdriver adjust the driver side and passenger side headlamps until the high intensity zones are located just below the horizontal marks and centered with the vertical marks previously made in step 4 and step 5 of the Headlamp Alignment Check Procedure. Proceed to **Step 5**.



5. Inspect the vehicle's headlamps and determine if the vehicle is equipped with LED or halogen headlamps.

LED Headlamps - Proceed to **Step 6**.

Halogen Headlamps - Proceed to **Step 7**.

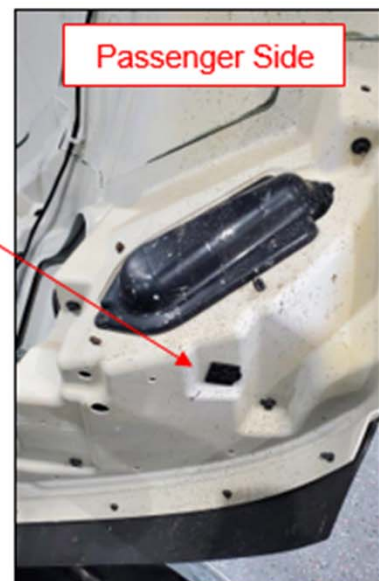


6. Install the anti-adjustment caps on the driver side and passenger side positions. Close the hood and latch both the right and left hood latches in the locked position.

Proceed to the **FINAL INSPECTION** section, no additional repairs are necessary.



LED Anti-Adjustment Cap

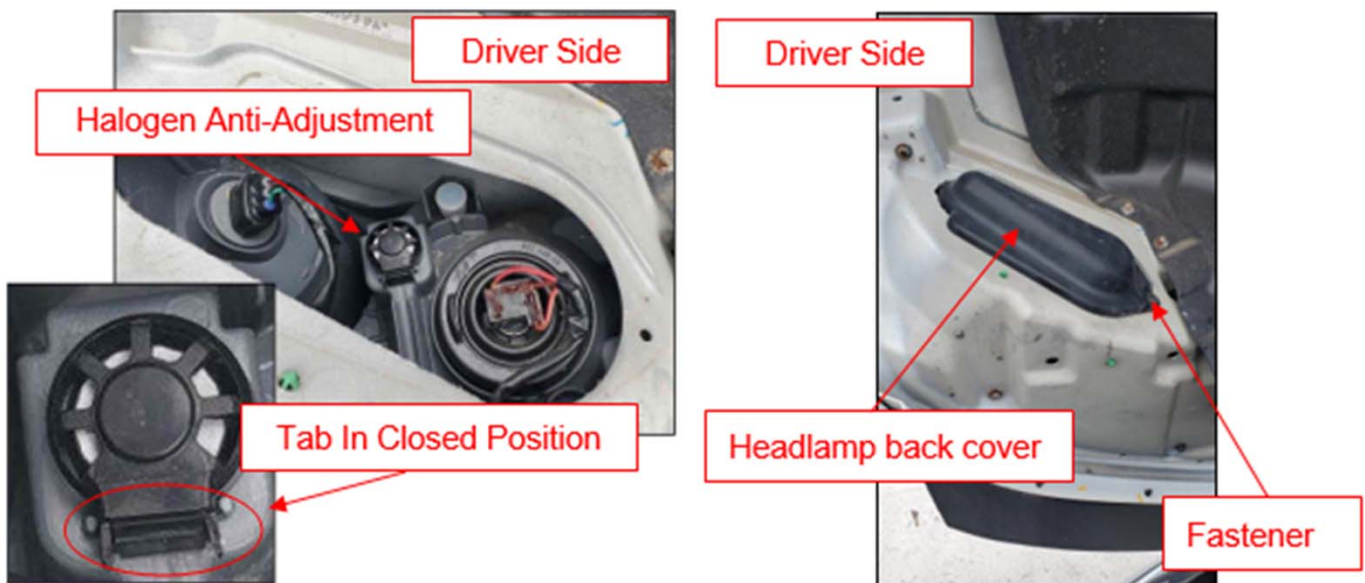




7. Position the anti-adjustment tabs in the closed position for the driver and passenger side headlamps and then install the headlamp back covers and fasteners. Close the hood and latch both the right and left hood latches in the locked position.

Proceed to the **FINAL INSPECTION** section, no additional repairs are necessary.

**NOTICE:** Driver side shown below for reference.





## FINAL INSPECTION:

1. To complete this procedure, review and confirm the following:

- The LED anti-adjustment caps are securely installed for LED equipped vehicles.
- The halogen anti-adjustment cap tabs are in the closed position on Halogen equipped vehicles.
- The headlamp back covers are securely installed.
- The headlamps function and are adjusted properly according to this work procedure.
- The hood has been lowered and both left and right hood latches are latched.

## CLAIM APPLICATION

*Reimbursable in accordance within the terms and policies of the Hino limited warranties.*

- a) Campaign No.: **M0430**
- b) Labor charge:

### Repair

### Labor

**Headlamp Cover/Anti-Adjustment Cap Inspection Only:**

**0.4 Hr.**

**Headlamp Inspection, Headlamp Alignment Check,  
and Anti-Adjustment Cap or Cover Installation:**

**1.0 Hr.**

- c) Warranty code: **71522**
- d) Trouble code: **98**
- e) Operation code: **71550AOT**
- f) Original failed part: **9999999999**

