



GROUP	MODEL
ELE	2022-2023MY EV6 (CV) w/LED Headlamps
NUMBER	DATE
274	November 2022

TECHNICAL SERVICE BULLETIN

SUBJECT:

SERVICE ACTION: LED HEADLAMP AIM INSPECTION & ADJUSTMENT (SA518)

This bulletin provides the procedure to inspect and, if necessary, adjust the headlamp aim on some 2022-2023MY EV6 (CV) vehicles equipped with Light Emitting Diode (LED) headlamps, produced from August 31, 2022 through November 8, 2022. The Insurance Institute for Highway Safety (IIHS) is a well-known organization that conducts supplemental testing to evaluate certain aspects of vehicle performance. As a result of such testing, Kia and IIHS have determined that improvements could be made to adjust headlamp aim to improve the focus and reduce glare from the headlamps to oncoming traffic. It should be noted that this condition is not a Federal Motor Vehicle Safety Standard (FMVSS) compliance issue. Kia is requesting the completion of this Service Action on all affected vehicles. Before conducting the procedure, verify the vehicle is included in the list of affected VINs.



NOTICE

A Service Action is a repair program without customer notification that is performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

Repair status for a VIN is provided on WebDCS (Service → Warranty Coverage → Warranty Coverage Inquiry → Campaign Information). Not completed Recall / Service Action reports are available on WebDCS (Consumer Affairs → Not Completed Recall → Recall VIN → Select Report), which includes a list of affected vehicles.

This issue number is SA518.

Inspection & Adjustment Procedure (LED ONLY):

1. Reference the headlamp aiming adjustment procedure by referring to “Body Electrical System → Lighting System → Headlamps → Adjustment” in the applicable Shop Manual on KGIS.

Note: Distance shown from vehicle to screen in the images are not to scale and for reference use purpose only.

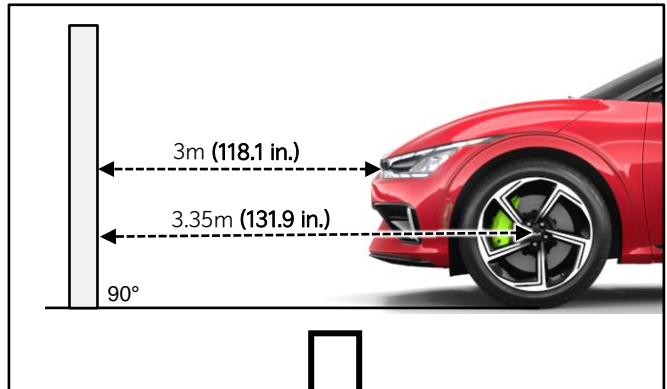


2. Before inspection, verify the following conditions:
 - Ensure the work area/room is as dark as possible during inspection.
 - No one is seated in the vehicle.
 - Set tire pressures to the specifications listed on the door jamb label.



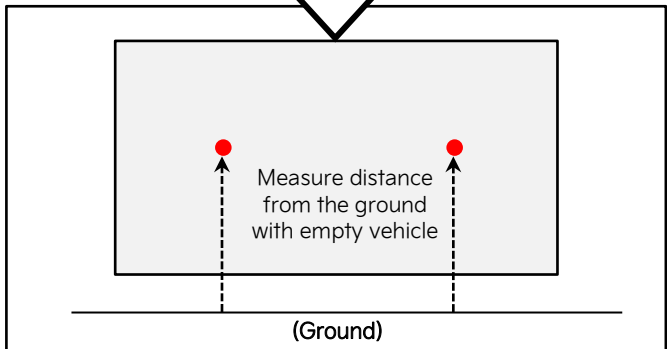
3. Park the vehicle on a flat surface, **118.1 inches (3 meters)** directly across from a screen or wall.

Vehicle Distance	Distance from Center of Tire
118.1 inches (3 meter)	131.9 inches (3.35 meter)



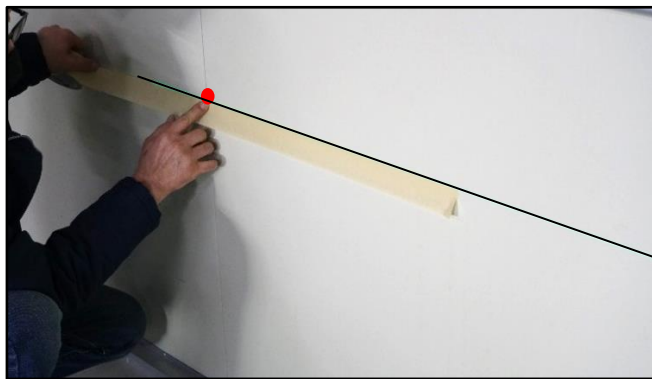
4. Starting from the ground up, mark two (2) dots on the screen, directly across from each headlamp (LH/RH) using the applicable model measurements listed below:

CV (Wind/GT Line)	CV (GT)
27.9 inches (708 mm)	27.7 inches (703 mm)

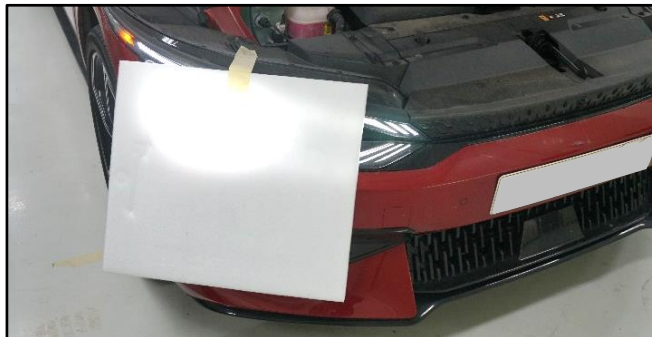


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5. Draw a straight line through the dots, and/or apply tape as shown. This will be the headlamp cutoff line.



6. In order to inspect each headlamp separately (LH or RH), cover the opposite headlamp as shown during inspection.



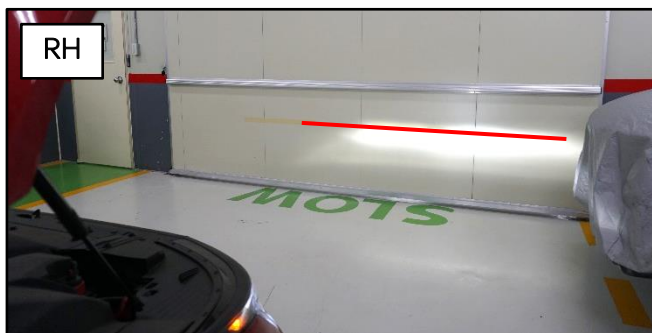
7. Turn the (Low Beam) headlamps ON.

ⓘ IMPORTANT

Ensure that the work area/room is as dark as possible.



7. Check that each headlamp low beam aligns with the cutoff line previously marked.

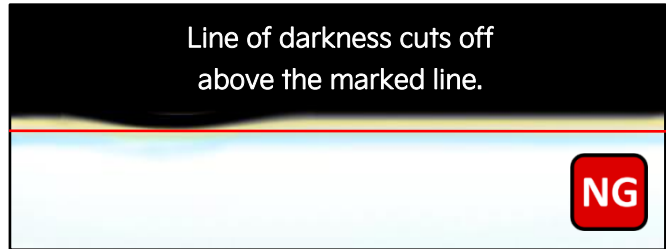


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SAMPLE IMAGE: Headlamp beam (LH side shown) cuts off at the marked line - **(OK)**.



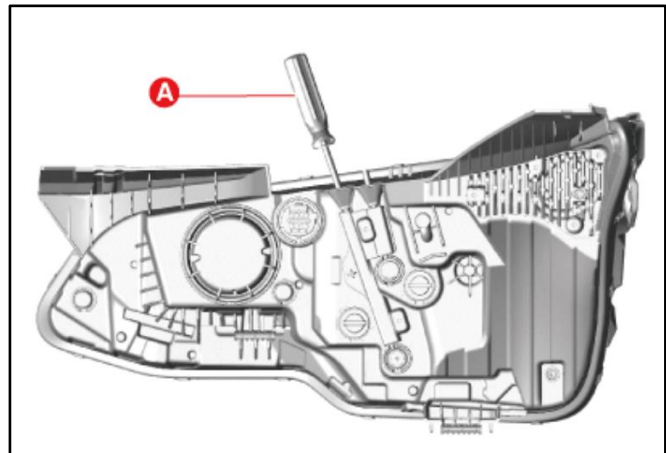
SAMPLE IMAGE: Headlamp beam (LH side shown) cuts off above the marked line - **(NG)**.



- 9a. If the LED headlamps do not require adjustment, no further action is required and campaign is complete.
- 9b. If either (LH or RH) headlamp(s) require adjustment, proceed to adjust the LED headlamp aim as outlined in "Body Electrical System → Lighting System → Headlamps → Adjustment" in the applicable Shop Manual on KGIS.



Note: Vertical (Low/High) adjustment (A).



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AFFECTED VEHICLE RANGE:

Model	Production Date Range
EV6 (CV)	August 31, 2022 to November 8, 2022

WARRANTY INFORMATION:

N Code: N99 C Code: C99

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
V	92101 CV020	0	(SA518) LED Headlamp Aim Inspection	220141R0	0.3 M/H	N/A	0
			(SA518) LED Headlamp Aim Inspection & Adjustment	220141R1			

NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SA518 when accessing the WebDCS system.

