



HYUNDAI Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 23-01-094H
DATE DECEMBER 2023	MODEL(S) ELANTRA (AD/ADA)

SUBJECT: HEAD LAMP HIGH BEAM REPAIR (SERVICE CAMPAIGN T5G)

This TSB supersedes 21-01-004H by adding an op code 00D034R5 for inspection if aftermarket head lamp parts are installed and including a repair flowchart on page 7.

★ IMPORTANT

Dealers must perform this service campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

Access the “Vehicle Information” screen via WEBDCS to identify open campaigns.

Description: This bulletin describes the procedure to repair a head lamp that has an inoperable high beam function.

Applicable Vehicles (Certain):

- 2019 – 2020MY Elantra (AD/ADa) vehicles

Parts Information:

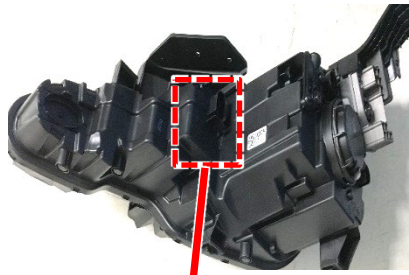



Head Lamp Replacement – Elantra (AD)

Part Name	Part Number	Figure	Remarks
Head Lamp Assembly, Std #1	92101-F2540QQH		LH
	92102-F2540QQH		RH

NOTE 1: Verify the lot code information of the replacement head lamp assembly before installation. If the lot code is between DA01 – DI31, DO NOT use the replacement part. The lot code must be after EI09. (Refer to Lot Code Information on page 3.)

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Head Lamp Replacement – Elantra (AD) (continued)

Part Name	Part Number	Figure	Remarks
Head Lamp Assembly, Std #2	92101-F2640QQH		LH 
	92102-F2640QQH		RH 

NOTE 1: STD #2 is included for reference only for Elantra (AD).

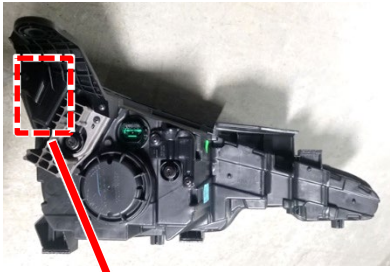

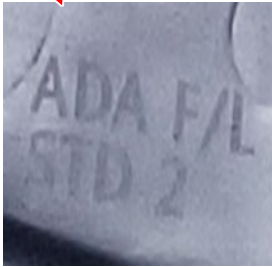

NOTE 2: Verify the lot code information of the replacement head lamp assembly before installation. If the lot code is between DA01 – DI31, **DO NOT** use the replacement part. The lot code must be after EI09. (Refer to Lot Code Information on page 3.)

Head Lamp Replacement – Elantra (ADa)

Part Name	Part Number	Figure	Remarks
Head Lamp Assembly, Std #1	92101-F3500QQH		LH 
	92102-F3500QQH		RH 

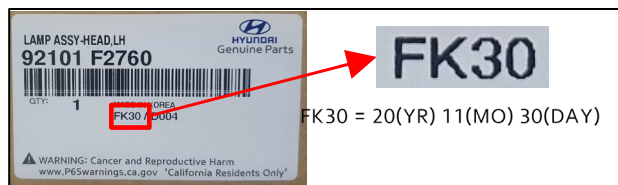
NOTE 1: Verify the lot code information of the replacement head lamp assembly before installation. If the lot code is between DA01 – DI31, **DO NOT** use the replacement part. The lot code must be after EI09. (Refer to Lot Code Information on page 3.)

Head Lamp Replacement – Elantra (ADa)

Part Name	Part Number	Figure	Remarks
Head Lamp Assembly, Std #2	92101-F3510QQH		<p>LH</p> 
	92102-F3510QQH		<p>RH</p> 

NOTE 1: Verify the lot code information of the replacement head lamp assembly before installation. If the lot code is between DA01 – DI31, **DO NOT** use the replacement part. The lot code must be after EI09.





Lot Code Information:



	YEAR (1st digit)	MONTH (2nd digit)	DAY (3~4th digit)				
D	18	A	1	01	1	17	17
E	19	B	2	02	2	18	18
F	20	C	3	03	3	19	19
		D	4	04	4	20	20
		E	5	05	5	21	21
		F	6	06	6	22	22
		G	7	07	7	23	23
		H	8	08	8	24	24
		I	9	09	9	25	25
		J	10	10	10	26	26
		K	11	11	11	27	27
		L	12	12	12	28	28
				13	13	29	29
				14	14	30	30
				15	15	31	31
				16	16		






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Head Lamp Service Kit

Part Number	Part Name	Figure	Qty
92100-F2510QQH	Foil tape		4
	Heat-resistant tape		4
	Black tape		4
	Clip		4



NOTE: The head lamp service kit is applicable for both AD and ADa vehicles.

Head Lamp Tool Kit – Elantra (AD)

Part Number	Part Name	Figure	Qty	Remarks
92100-F2500QQH	Drill bit (5 mm)		1	–
	Drill bit (20 mm)		1	–
	Clip installation tool		3	–
	AD STD #1 jig		5	For head lamp assemblies marked 'AD F/L STD 1' or 'AD F/L STD 2'
	AD STD #2 jig		5	






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Head Lamp GuidePlate Kit – Elantra (ADa)

Part Number	Part Name	Figure	Qty	Remarks
92100-F3510QQH	ADa STD #1 jig		1	For head lamp assemblies marked 'ADA F/L STD 1' or 'ADA F/L STD 2'
	ADa STD #2 jig		1	

NOTE: The jigs for the AD and ADa vehicles may appear similar, but are NOT interchangeable. Separate the ADa jigs from the AD jigs to prevent confusion.

Head Lamp Tool Kit – Elantra (ADa)

Part Number	Part Name	Figure	Qty	Remarks
92100-F3500QQH	Drill bit (5 mm)		1	–
	Drill bit (20 mm)		1	–
	Clip installation tool		3	–
	ADa STD #1 jig		5	For head lamp assemblies marked 'ADA F/L STD 1' or 'ADA F/L STD 2'
	ADa STD #2 jig		5	

Warranty Information:

Model	Op. Code	Operation	Op. Time	Casual Part	Nature Code	Cause Code
Elantra (AD/ADa)	00D034R0	Head Lamp Inspection and Rework (2 each)	1.1 M/H	92101-F3500QQH	B19	ZZ4
	00D034R1	Head Lamp Inspection and Rework (1 each), Lamp Replacement (1 each)	0.9 M/H			
	00D034R2	Head Lamp Inspection and Lamp Replacement (2 each)	0.8 M/H			
	00D034R5	Head Lamp Inspection Only – Aftermarket Parts	0.1 M/H			

NOTE 1: Submit claim on Claim Entry Screen as “Campaign” type.

NOTE 2: If a part is found in need of replacement while performing this campaign and the affected part is still under warranty, submit a separate claim using the same repair order. If the affected part is out of warranty, submit a Prior Approval request for goodwill consideration prior to performing the work.

NOTE 3: Dealer will be reimbursed in sublet for use of head lamp service kit in labor ops 00D034R0 and 00D034R1.

NOTE 4: Each dealer has been sent one (1) AD head lamp tool kit, one (1) ADa head lamp guide plate kit, and three (3) head lamp service kits for the start of this campaign.

NOTE 5: This TSB includes Repair validation photos. Op times include VIN, Mileage and Repair validation photos as outlined in the Digital Documentation Policy.

NOTE 6: The incident parts are subject to callback through the normal Warranty Technical Center (WTC) parts return process. **Claim is subject to debit if the part is not returned.**

Service Procedure:**STUI**

This TSB includes Repair validation photos. Refer to the latest Digital Documentation Policy for requirements.

Repair Flowchart:**Information**

If aftermarket head lamps are installed on the vehicle, this procedure does not apply. Submit op code 00D034R5.

Head Lamp Removal

1. Loosen the front upper bumper mounting screws and clips (A).



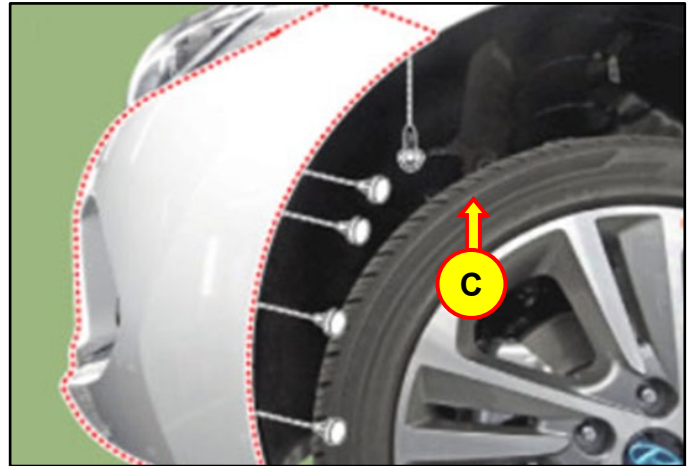
2. Remove the front lower bumper mounting clips (B).



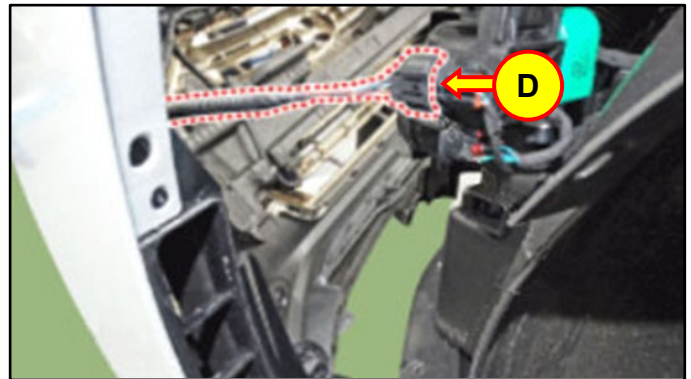
3. Loosen the front bumper LH/RH side mounting screws and clips (C).

NOTICE

Do not damage the bumper side hook.



4. Disconnect the front bumper LH/RH connector (D).

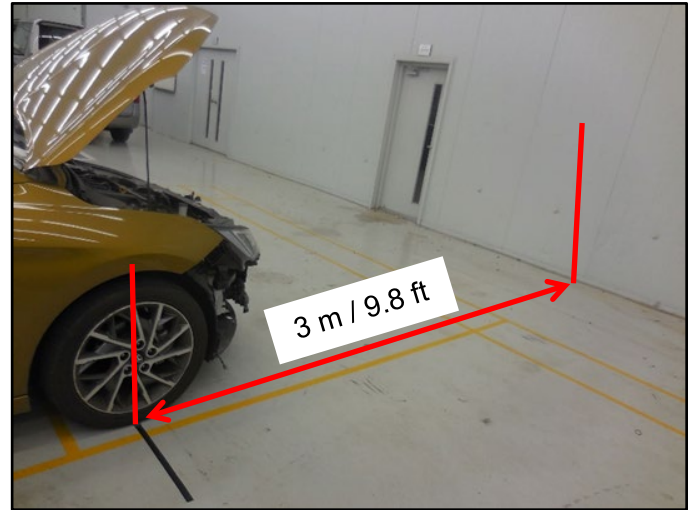


5. Remove the front bumper cover (E).



6. Measure and mark a 3 meter (9.8 feet) distance from an unobstructed wall.

Park the vehicle facing the wall with front wheels centered over the marking.



7. Turn on the head lamps.

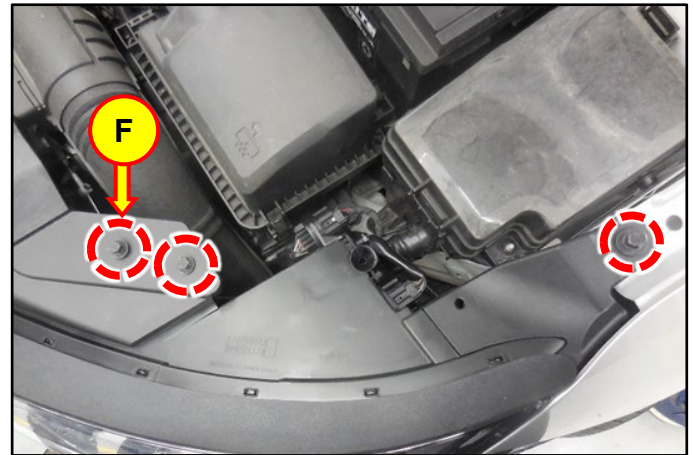
Mark the height of the head lamp illumination.



8. Turn off the head lamps.

9. Loosen the head lamp mounting bolts (F).

Perform this action for both LH and RH sides.

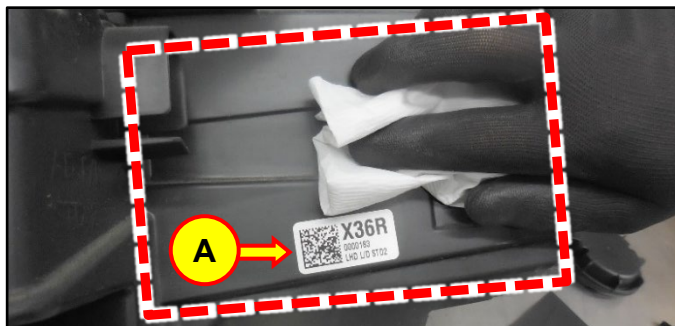


10. Remove the affected head lamp(s) (G).



Head Lamp Inspection

1. Wipe the head lamp production label (A) and surrounding area using a clean towel.

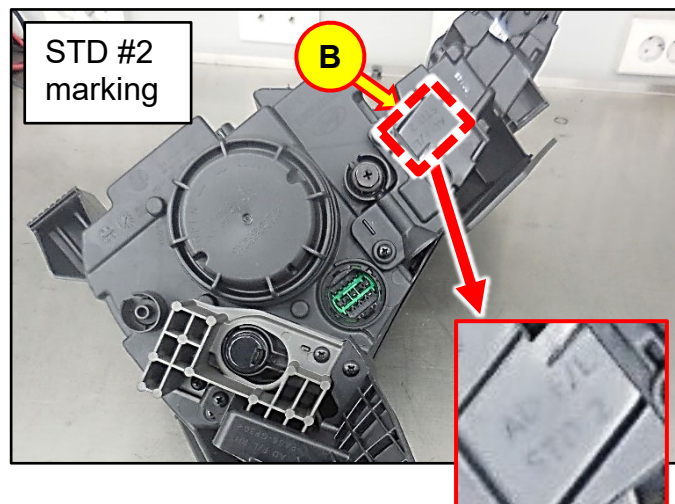
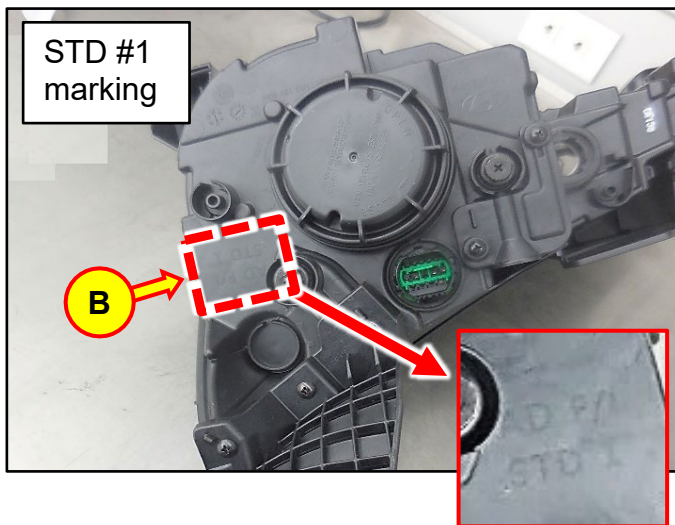


2. Remove the label.



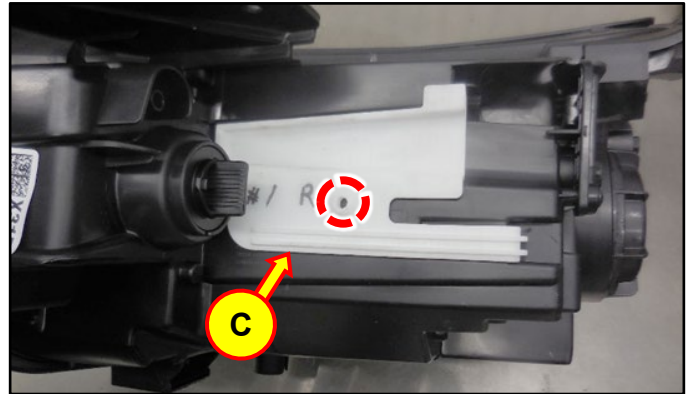
3. Identify if the head lamp is STD #1 or STD #2, based on the markings shown in the example photos at right (B).

- AD F/L STD 1
- AD F/L STD 2
- ADA F/L STD 1
- ADA F/L STD 2



4. Install the corresponding jig (C) onto the head lamp assembly, based on the markings from the previous step.
 - AD F/L STD 1 or STD 2 marking: Install the **AD STD #1 or STD #2** jig.
 - ADA F/L STD 1 or STD 2 marking: Install the **ADa STD #1 or STD #2** jig.

The jig shows the location to drill a pilot hole in the head lamp assembly.



5. Slowly drill a pilot hole using the smaller drill bit 5 mm (13/64 inch).

CAUTION

Do not drill past a depth of 15 mm (9/16 inch).

Hold the head lamp firmly while drilling to prevent movement.

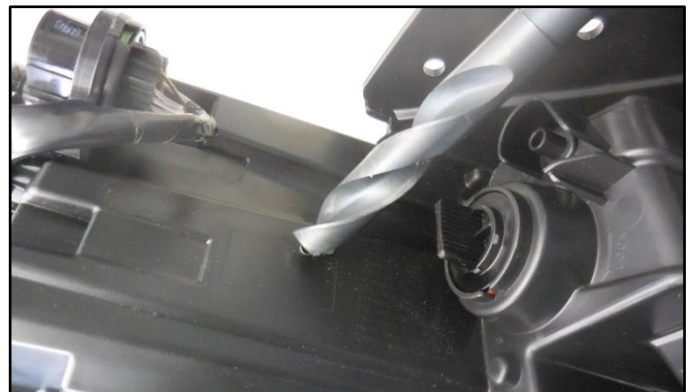


6. Remove the jig, and slowly drill into the pilot hole using the larger drill bit 20 mm (25/32 inch).

CAUTION

Do not drill past a depth of 15 mm (9/16 inch).

Hold the head lamp firmly while drilling to prevent movement.



7. Remove the remaining debris around the hole to ensure a smooth surface.



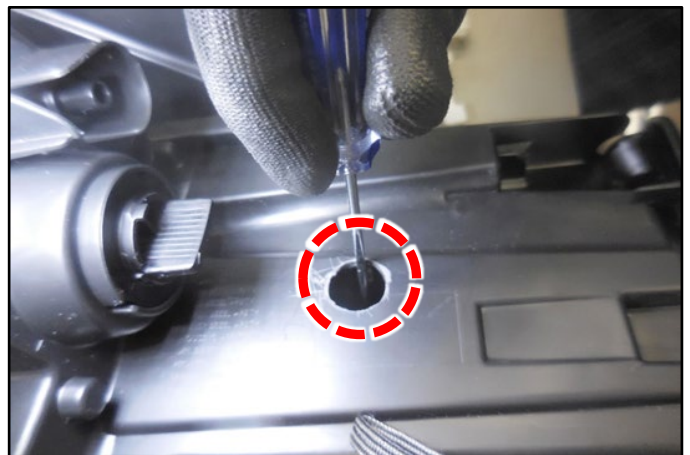
8. Remove the head lamp dust cover (D).



9. Shake the head lamp to remove the debris through the dust cover opening.

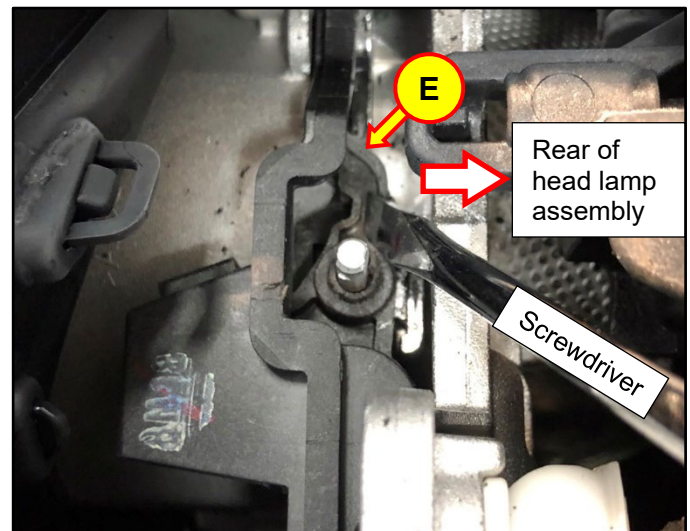


10. Insert a flat-head screwdriver into the hole to inspect the head lamp high beam function.



11. Move the lever (E) in the direction shown, towards the rear of the head lamp assembly.

- If the lever (E) moves in the same direction, proceed to the **Head Lamp Rework (Clip Installation)** section on the next page.
- If the shaft (E) does not move in the same direction, stop this procedure and replace the head lamp assembly instead.

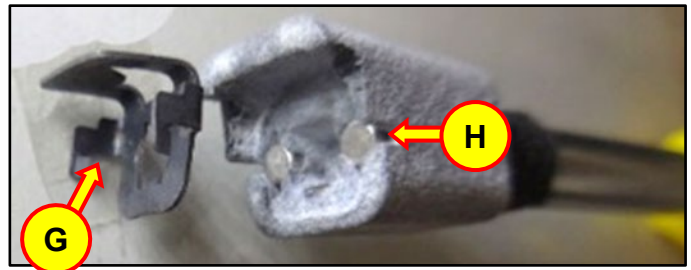


Head Lamp Rework (Clip Installation)

- Install the clip (G) onto the clip installation tool (H).

NOTICE

Verify that the clip is fully seated and held in place by the magnets on the clip installation tool.



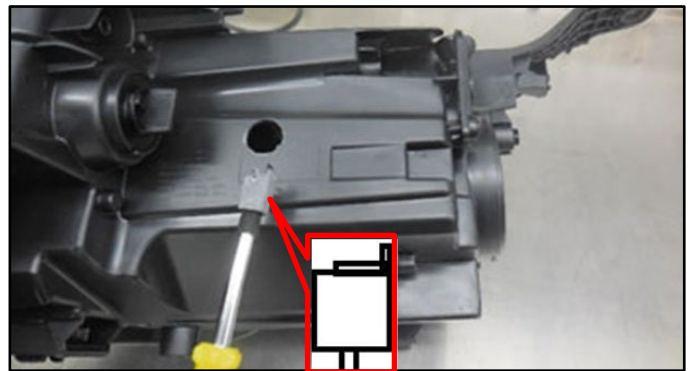
- Insert the clip installation tool into the drilled hole.

Refer to the example shown for the correct orientation of the clip installation tool.

i Information

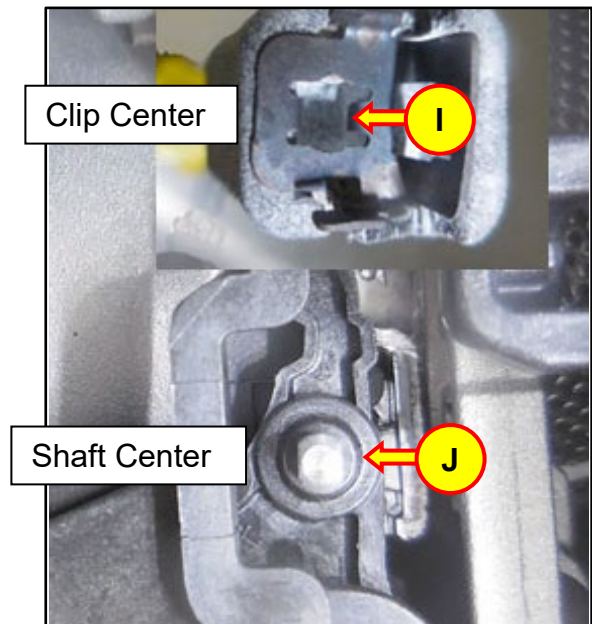
The RH side head lamp is shown as an example.

The LH side installation is in the opposite direction.

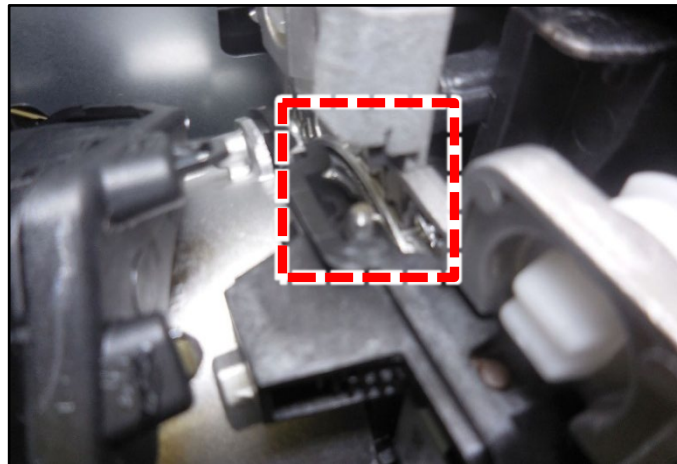


i Information

The clip center (I) must be aligned with the shaft center (J).



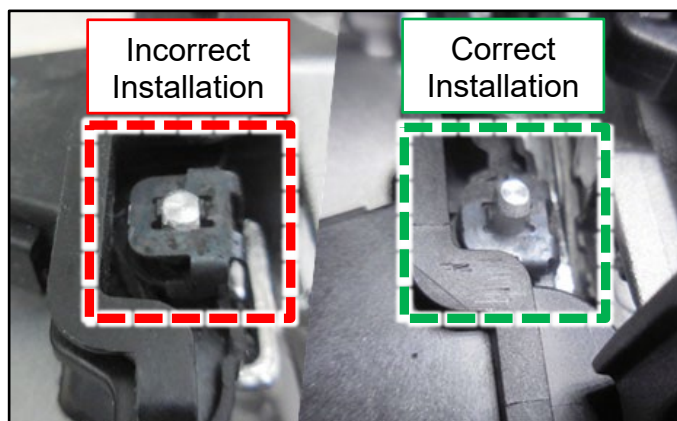
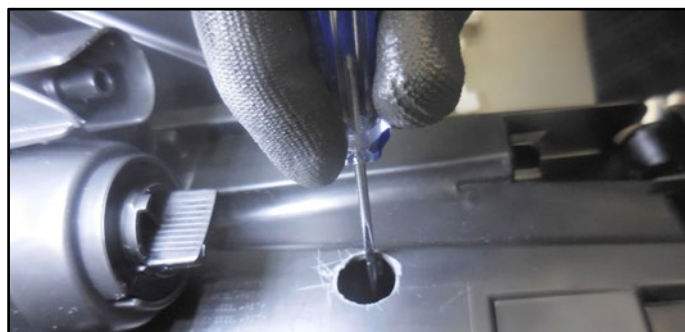
14. Install the clip onto the center of the shaft.



A flat-head screwdriver can be used to push the clip into the correct position.

NOTICE

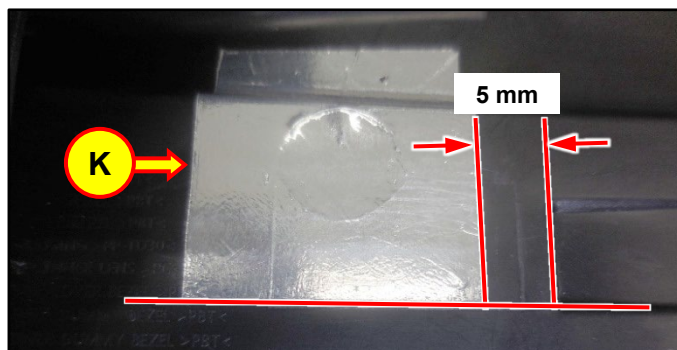
The clip must be installed correctly, or else the high beam will not function and the head lamp assembly will need to be replaced.



15. Apply the foil tape (K) over the drilled hole, approximately 5 mm (3/16 inch) from the groove in the head lamp. Ensure the surface is clean before applying the tape.

NOTICE

Evenly distribute the foil tape and ensure there are no air bubbles or gaps.
Do not tear or puncture the tape.

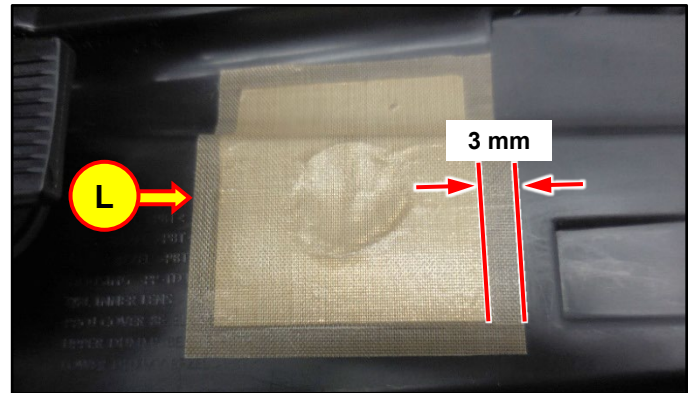


16. Apply the heat-resistant tape (L) over the foil tape, extending approximately 3 mm (1/8 inch) beyond the edges of the tape underneath.

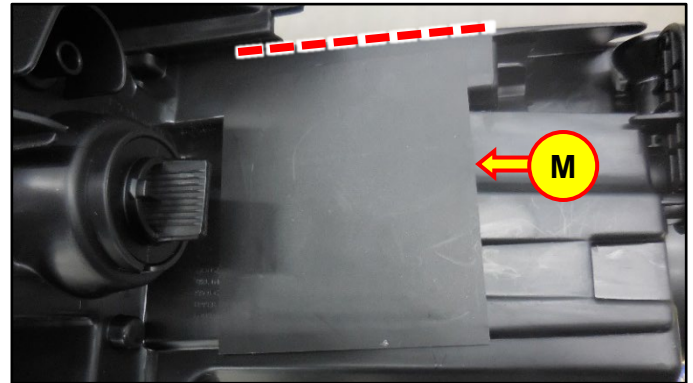
NOTICE

Evenly distribute the heat-resistant tape and ensure there are no air bubbles or gaps.

Do not tear or puncture the tape.

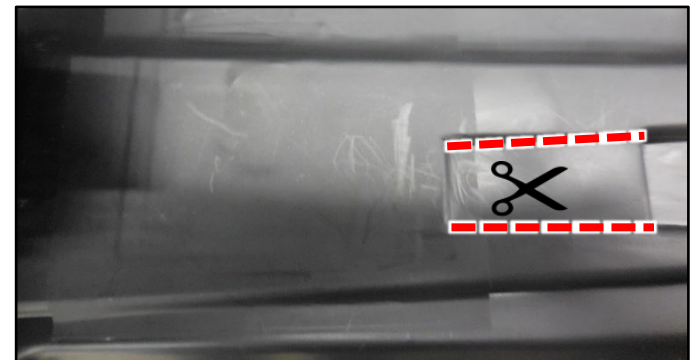


17. Apply the black tape (M) over the heat-resistant tape. Align the black tape to the edge as shown by the red line in the reference picture.



i Information

The black tape can be cut and pressed down onto any uneven edges that are not fully covered.



- 18.

STUI



Using STUI, take a photo of the completed tape application with the last 6 digits of the VIN and the date of repair on a piece of paper.

Upload the photo to STUI.



19. Repeat steps 4 - 18 for the head lamp assembly on the opposite side if it also requires the head lamp rework (clip installation).

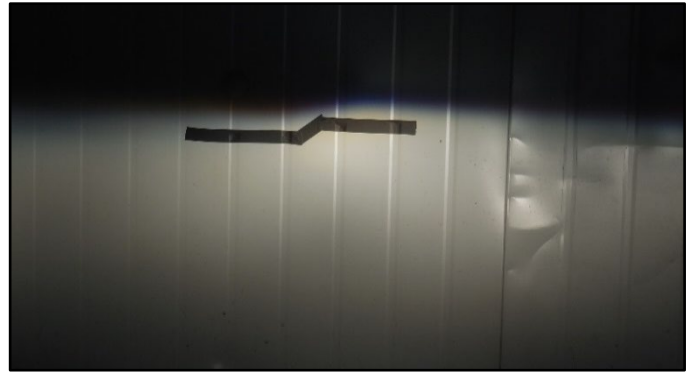
Head Lamp Aiming

1. Perform the head lamp aiming procedure after repairing or replacing the head lamp.

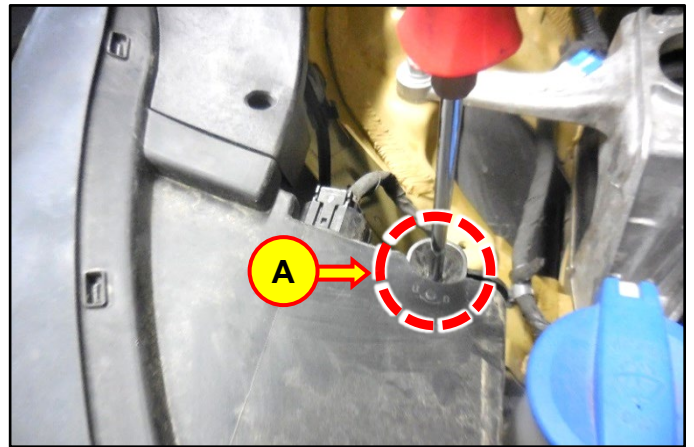
Turn the head lamp on and align the light to the existing line.

Refer to the shop manual for detailed head lamp aiming instructions:

- **Body Electrical System > Lighting System > Head Lamps > Repair procedures**



2. To adjust the head lamp, rotate the adjustment hole (A) using a Phillips-head screwdriver.



3. The service procedure is now complete.