



HYUNDAI

Technical Service Bulletin

GROUP Campaign	NUMBER 21-01-004H
DATE February, 2021	MODEL(S) Elantra (AD/ADa)

SUBJECT: HEADLAMP HIGH BEAM REPAIR (SERVICE CAMPAIGN T5G)

This TSB supersedes 20-01-032H-1 to include Elantra (ADa) vehicles and provide updated jig kit contents.

*** IMPORTANT**

***** Dealer Stock and Retail Vehicles *****



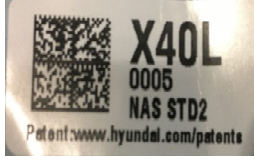

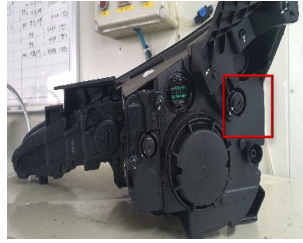
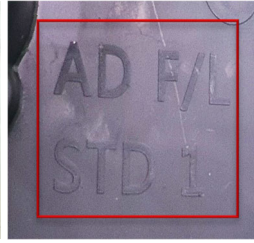


Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Vehicle Information Screen (VIS)" via WEBDCS to identify open Campaigns.

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

Applicable Vehicles: Certain 2019 – 2020MY Elantra (AD/ADa) vehicles

Parts Information:
Headlamp Replacement

MODEL	HEADLAMP ASSEMBLY – STD #1		HEADLAMP ASSEMBLY – STD #2	
	92101-F2540QQH (LH)	92102-F2540QQH (RH)	92101-F2640QQH (LH)	92102-F2640QQH (RH)
Elantra (AD)				
				

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

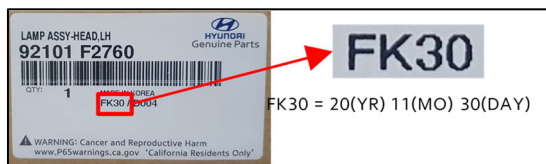
Note 2: Cancel any backorders for the headlamp assemblies before performing this procedure.

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MODEL	HEADLAMP ASSEMBLY – STD #1		HEADLAMP ASSEMBLY – STD #2	
Elantra (AdA)	92101-F3500QQH (LH)	92102-F3500QQH (RH)	92101-F3510QQH (LH)	92102-F3510QQH (RH)

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


Note 2: Cancel any backorders for the headlamp assemblies before performing this procedure.



	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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Headlamp Service Kit (92100-F2510QQH)

PART NUMBER	PART NAME	FIGURE	QTY
92100-F2510QQH	Foil tape		4
	Heat-resistant tape		4
	Black tape		4
	Clip		4

Note: The headlamp service kit is applicable for both AD and ADa vehicles.

AD Headlamp Tool Kit (92100-F2500QQH)

PART NUMBER	PART NAME	FIGURE	QTY	REMARK
92100-F2500QQH	Drill bit (5 mm)		1	N/A
	Drill bit (20 mm)		1	
	Clip installation tool		3	
	AD STD #1 jig		5	For headlamp assemblies marked with 'AD F/L STD 1' or 'AD F/L STD 2'
	AD STD #2 jig		5	





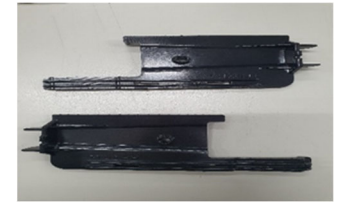
SUBJECT: HEADLAMP HIGH BEAM REPAIR (SERVICE CAMPAIGN T5G)

ADa Headlamp Guide Plate Kit (92100-F3510QQH)

PART NUMBER	PART NAME	FIGURE	QTY	REMARK
92100-F3510QQH	ADa STD #1 JIG		1	For headlamp assemblies marked with 'ADA F/L STD 1' or 'ADA F/L STD 2'
	ADa STD #2 JIG		1	

Note: The ADa jigs may appear similar to the AD jigs, but are not interchangeable. Separate the ADa jigs from the AD jigs to prevent confusion.

ADa Headlamp Tool Kit (92100-F3500QQH)

PART NUMBER	PART NAME	FIGURE	QTY	REMARK
92100-F3500QQH	Drill bit (5 mm)		1	N/A
	Drill bit (20 mm)		1	
	Clip installation tool		3	
	ADa STD #1 jig		5	For headlamp assemblies marked with 'ADA F/L STD 1' or 'ADA F/L STD 2'
	ADa STD #2 jig		5	

Warranty Information:

MODEL	OP CODE	OPERATION	OP TIME	CAUSAL 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), REPLACEMENT (1 EACH)	0.9 M/H			
	00D034R2	HEAD LAMP INSPECTION AND REPLACEMENT (2 EACH)	0.8 M/H			

Note 1: Submit claim on Campaign Claim Entry Screen.

Note 2: If a part is found in need of replacement while performing Service Campaign T5G 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 the repair.

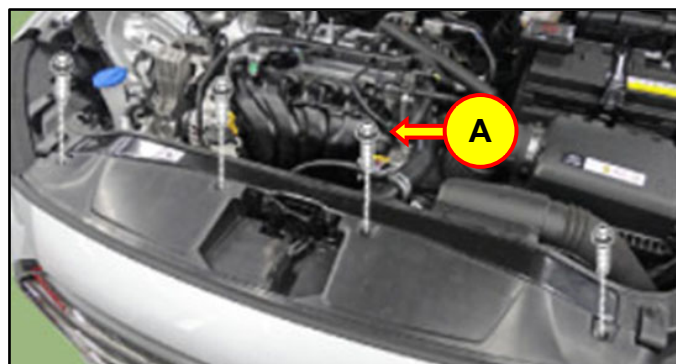
Note 3: Dealer will be reimbursed in sublet for use of headlamp service kit in labor ops 00D034R0 and 00D034R1.

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

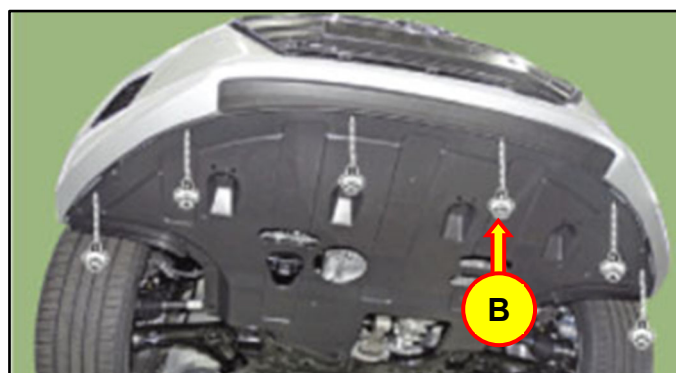
Service Procedure:

A. Headlamp Removal

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



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

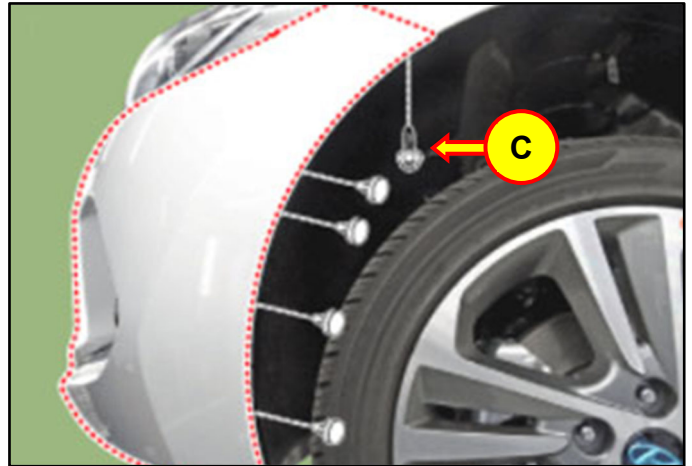


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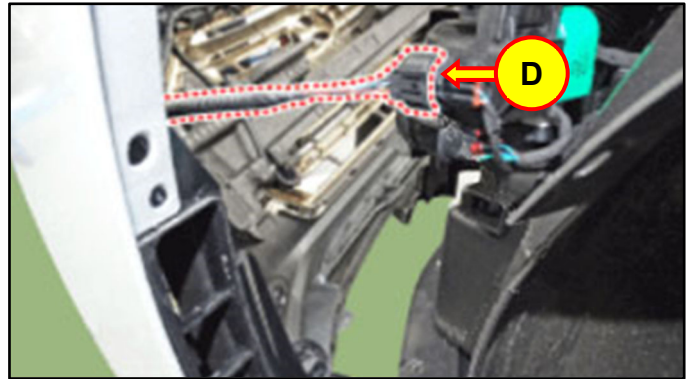
3. Loosen the front bumper LH/RH side mounting screws and clips (C).

CAUTION

Do not damage the bumper side hook.



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

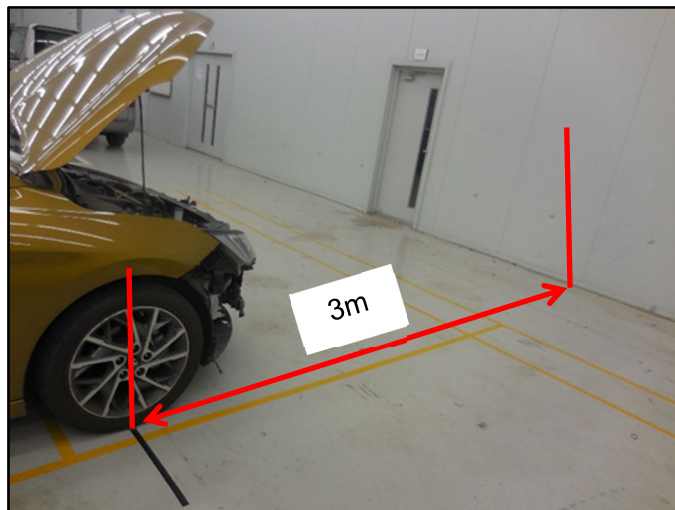


5. Remove the front bumper cover (E).



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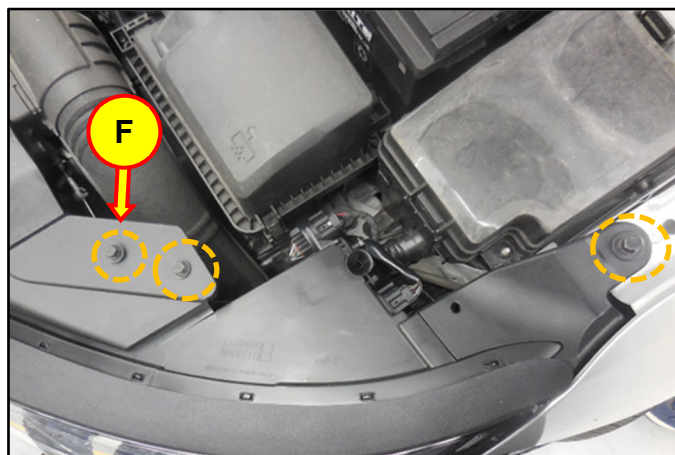
6. Measure and mark a 3 meter (9.8 feet) distance from an unobstructed wall.
- Park the vehicle facing the wall with front wheels centered over the marking.



7. Turn on the headlamps.
- Mark the height of the headlamp illumination.



8. Turn off the headlamps.
9. Loosen the headlamp mounting bolts (F).
- Perform this action for both LH and RH sides.

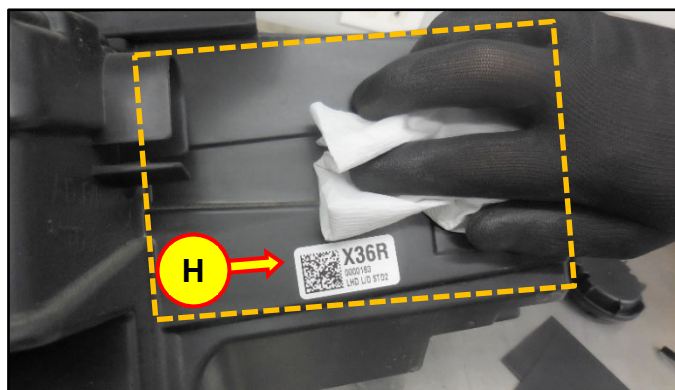


10. Remove the affected headlamp(s) (G).



B. Headlamp Inspection & Repair

1. Wipe the head lamp label (H) and surrounding area using a towel.

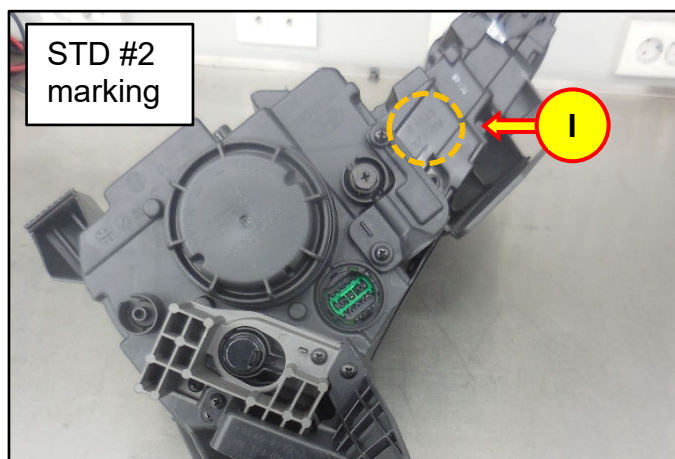
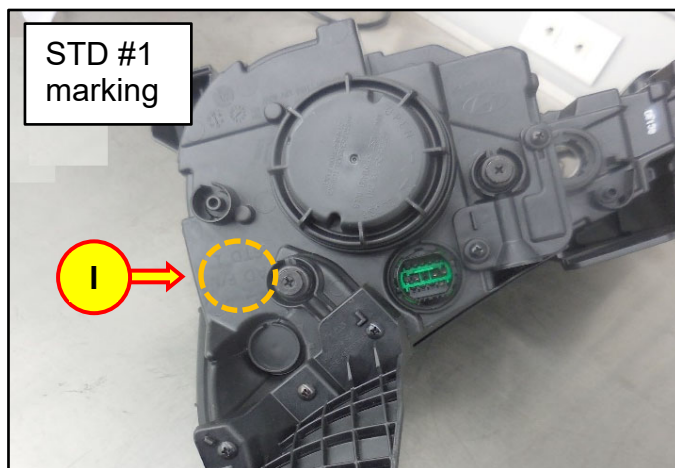


2. Remove the headlamp production label.

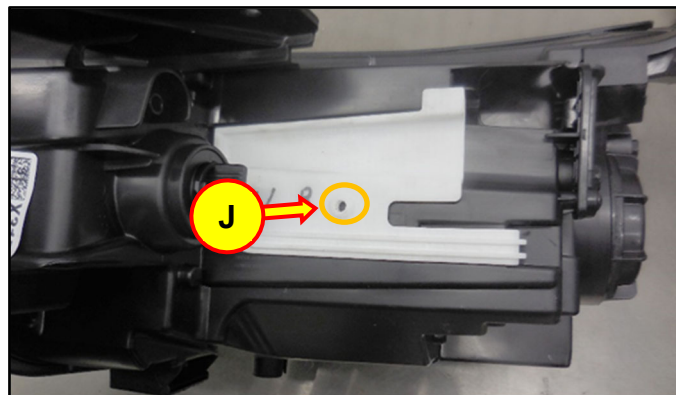


3. Identify if the headlamp is STD #1 or STD #2, based on the markings shown in the photos (I).

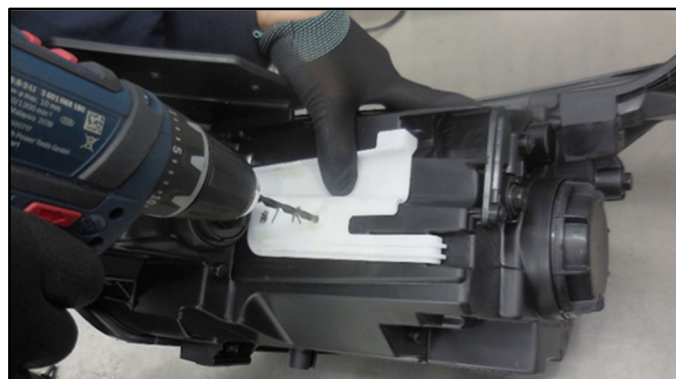
- AD F/L STD 1
- AD F/L STD 2
- ADA F/L STD 1
- ADA F/L STD 2



4. Install the corresponding jig (J) onto the headlamp 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.



5. The jig shows the location to drill a pilot hole in the headlamp assembly.
- Slowly drill a pilot hole using the smaller drill bit 5 mm (13/64 inch).



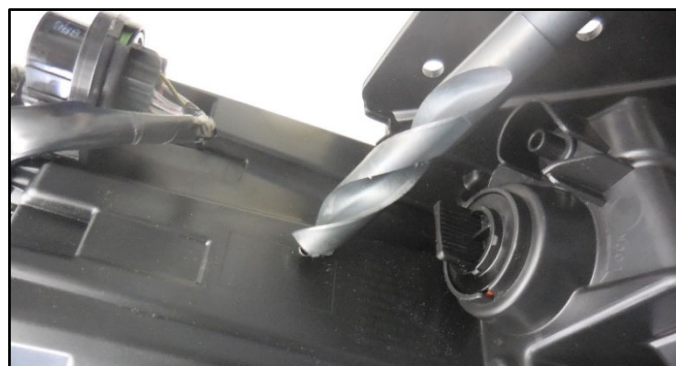
⚠ CAUTION

Do not drill past a depth of 15mm (9/16 inch).
Hold the headlamp while drilling to prevent movement.

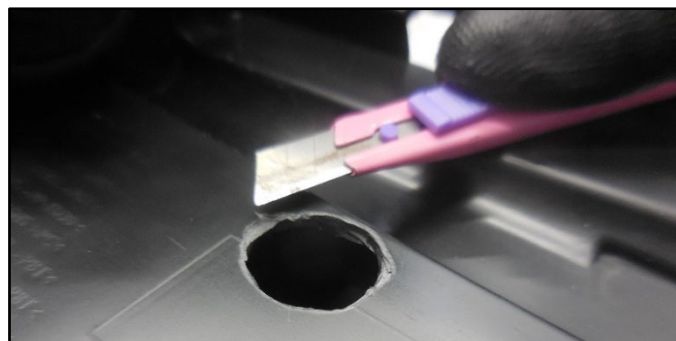
6. Remove the jig, and slowly drill into the pilot hole using the larger drill bit 20 mm (25/32 inch).

⚠ CAUTION

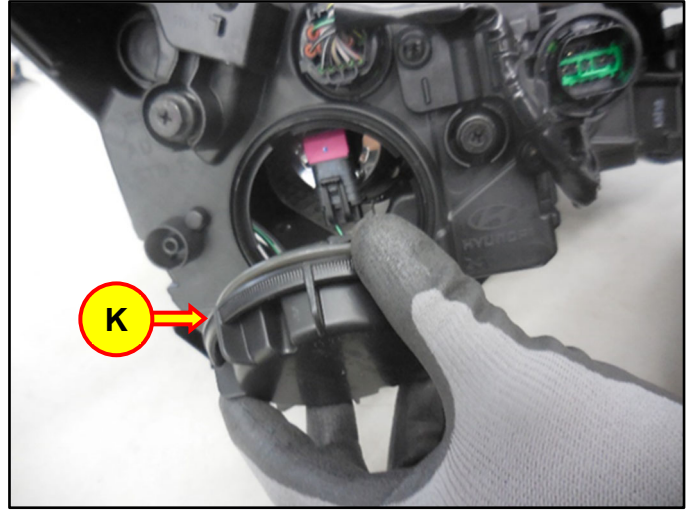
Do not drill past a depth of 15mm (9/16 inch).
Hold the headlamp while drilling to prevent movement.



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



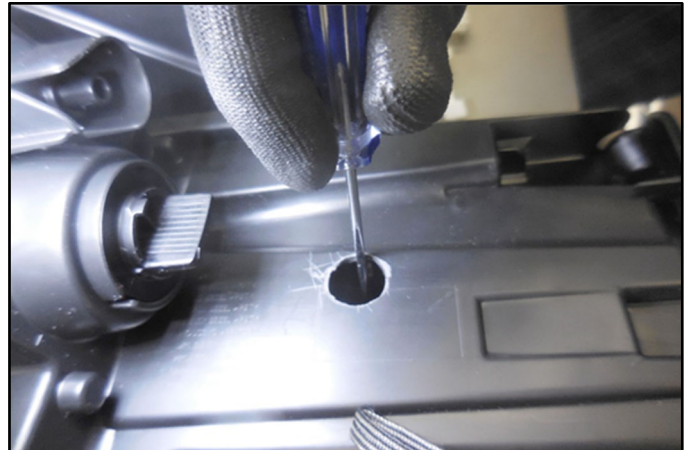
8. Remove the headlamp dust cover (K).



9. Shake the headlamp to remove the debris through the dust cover.

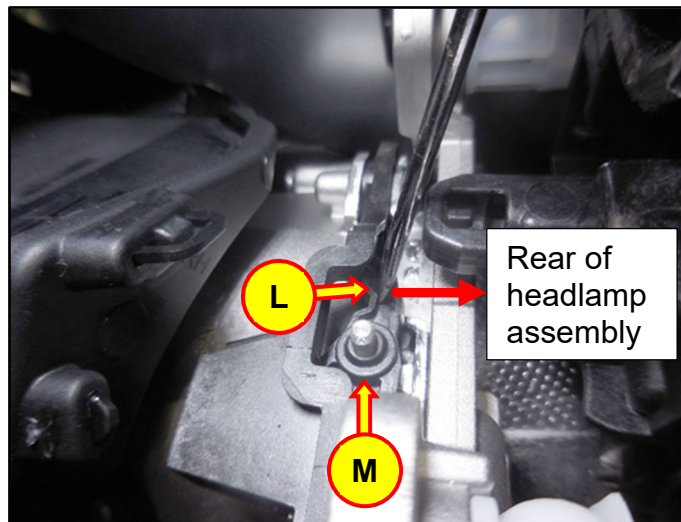


10. Insert a flat-head screwdriver into the hole to inspect the headlamp.

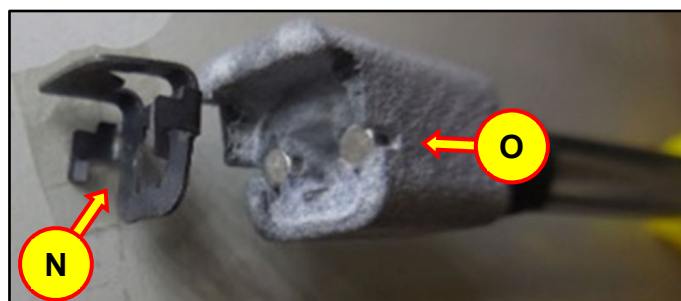


11. Move the lever (L) in the direction shown, towards the rear of the headlamp assembly. If the shaft (M) moves in the same direction, continue with the procedure in step 12.

If the shaft (M) does not move in the same direction, stop this procedure and replace the headlamp assembly instead.



12. Install the clip (N) onto the clip installation tool (O).



NOTICE

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

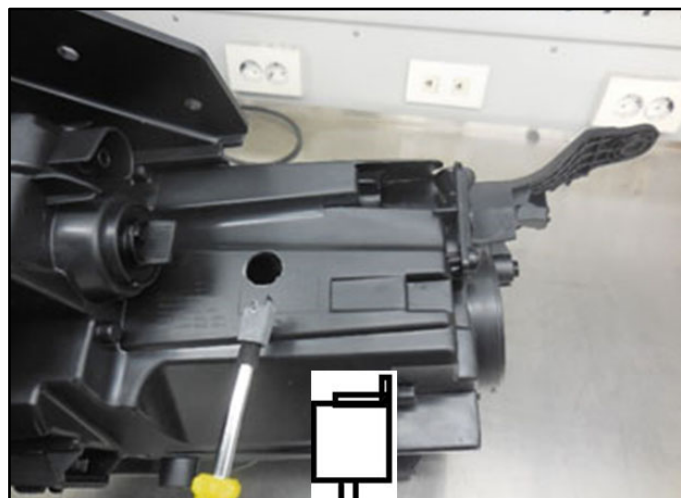


13. Insert the clip installation tool into the drilled hole.

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

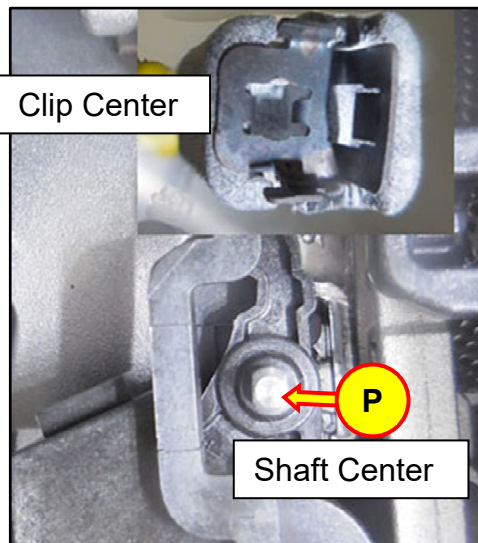
NOTICE

The RH side headlamp is shown as an example. The LH side installation is in the opposite direction.



NOTICE

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

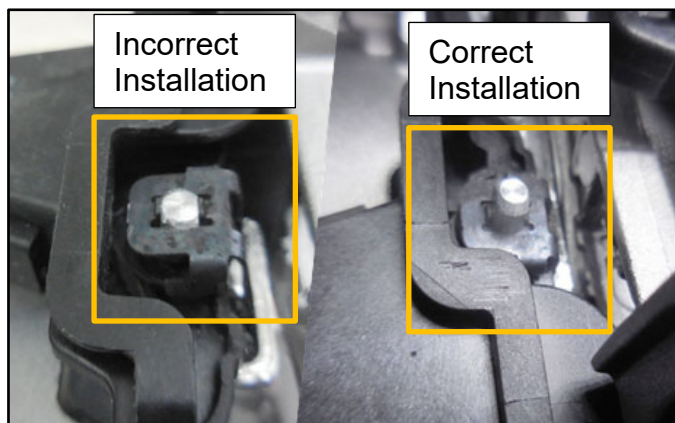
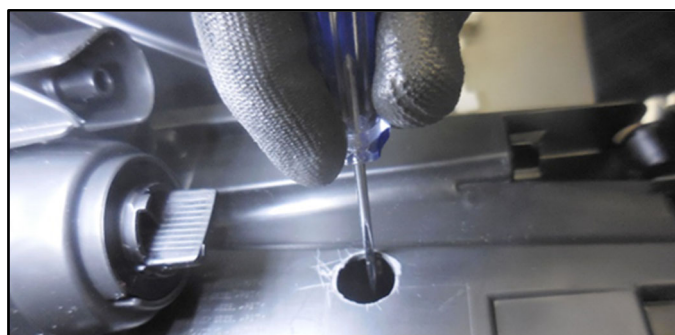
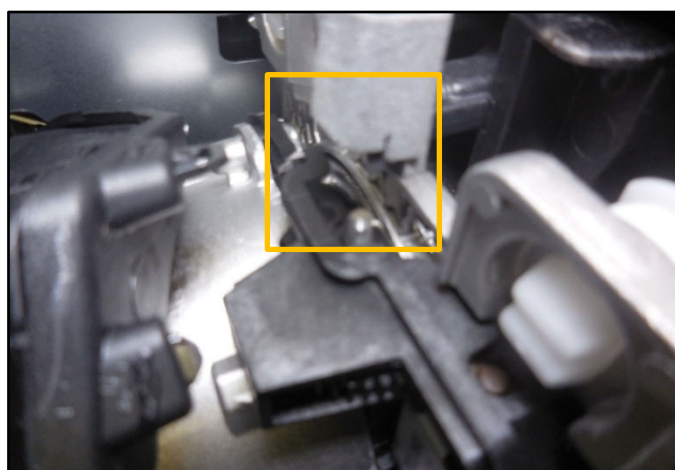


14. Install the clip onto the center of the shaft.

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

NOTICE

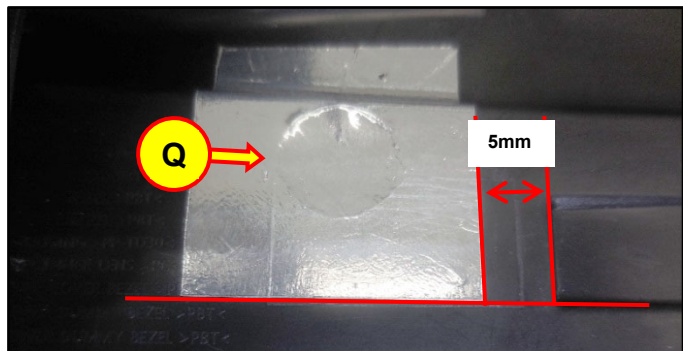
The clip must be installed correctly, or else the high beam will not function and the headlamp assembly will need to be replaced.



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

NOTICE

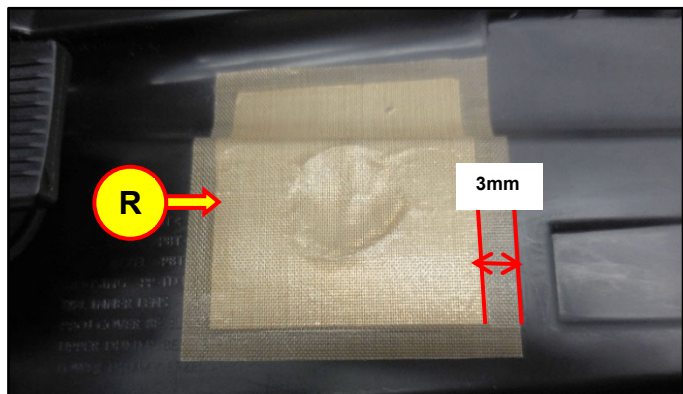
Evenly distribute the foil tape and ensure there are no air bubbles or gaps.
Do not tear or puncture the tape.



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

NOTICE

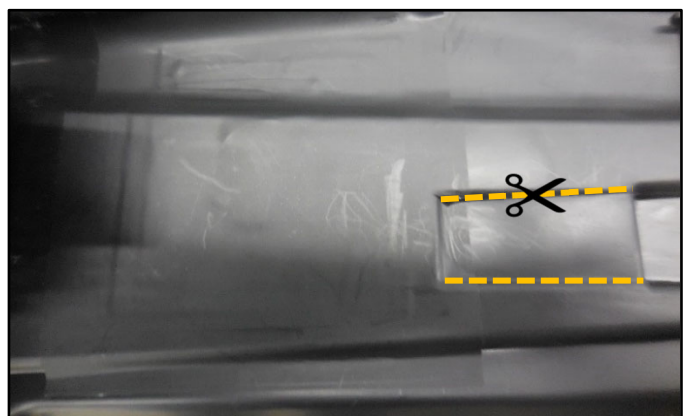
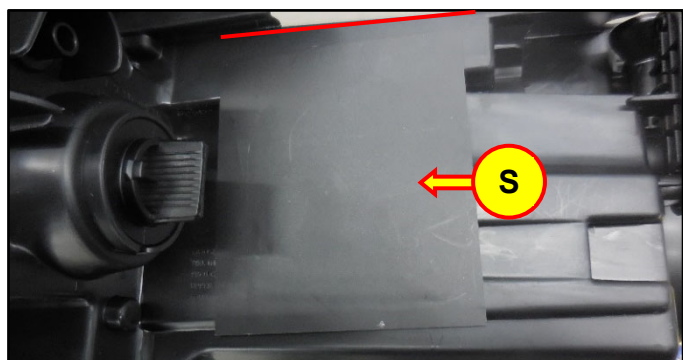
Evenly distribute the heat-resistant tape and ensure there are no air bubbles or gaps.
Do not tear or puncture the tape.



17. Apply the black tape (S) over the heat-resistant tape. Align the black tape as shown in the reference picture.

NOTICE

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



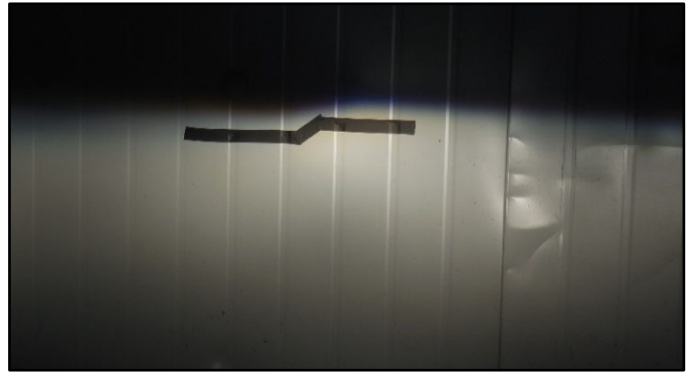
18. Repeat steps 4-17 for the headlamp assembly on the opposite side.

C. Headlamp Aiming

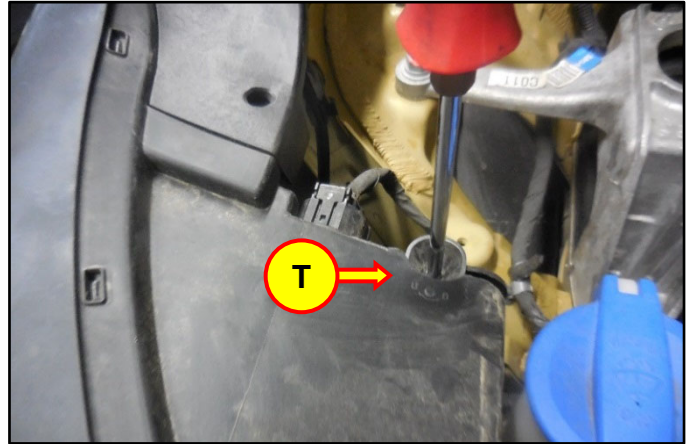
1. Perform the headlamp aiming procedure after repairing or replacing the headlamp.

Turn the headlamp on and align the light to the existing line.

Refer to the shop manual for the detailed headlamp aiming procedure.



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



3. The service procedure is now complete.