



GROUP ELE	MODEL 2021MY Forte (BDm)
NUMBER 225	DATE December 2020

TECHNICAL SERVICE BULLETIN

SUBJECT: SERVICE ACTION: LED HEADLAMP REPLACEMENT (SA455)

This bulletin provides the procedure to replace the LED headlamp(s) on certain 2021MY Kia Forte (BDm) vehicles produced from October 28, 2020 through November 24, 2020. The LED headlamps installed on certain 2021MY Forte (BDm) vehicles may be assembled with the inappropriate LED Drive Module (LDM) and may turn ON the indicator lamp in the instrument cluster via IBU. The condition has no effect on normal operation for the low or high beams. Before conducting the procedure, verify the vehicle is included in the list of affected VINs.

ⓘ IMPORTANT

THE INSPECTION MUST BE PERFORMED PRIOR TO PART(S) ORDERING TO DETERMINE IF ANY HEADLAMP ASSEMBLY REQUIRES REPLACEMENT.

Service Action	Description	Comments
SA455A	Replace <u>Left</u> Headlamp	Includes Headlamp Aiming
SA455B	Replace <u>Right</u> Headlamp	
SA455C	Replace <u>Both</u> Headlamps	

*** 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 SA455.

Printed TSB copy is for reference only; information may be updated at any time.
Always refer to KGIS for the latest information.

Circulate To: General Manager Service Manager Parts Manager
 Service Advisors Technicians Body Shop Manager Fleet Repair

IMPORTANT

The inspection must be performed prior to part(s) ordering to determine if any headlamp assembly requires replacement.

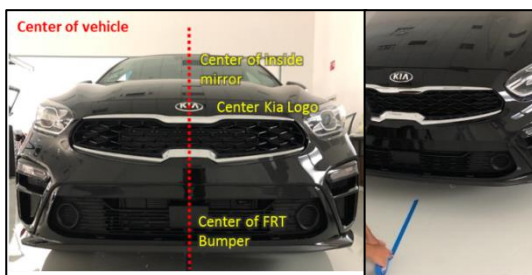
Replacement Procedure (SA455 A/B/C):

1. Replace the left and/or right headlamp(s) by referring to the “Body Electrical System → Lighting System → Headlamps → Repair procedures” chapter in the applicable Shop Manual on KGIS.

**Headlamp Aiming, Best Practices:**

1. Inflate the tires to the specified pressure and remove any loads from the vehicle including the driver.
2. The vehicle should be placed on a flat level floor.
3. The headlamps should be aimed with the proper beam-setting equipment, and in accordance with the equipment manufacturer's instructions.
4. If using a wall chart, lowering the ambient light will assist in headlamp adjustment.

2. Vehicle distance from the wall chart



SUBJECT:

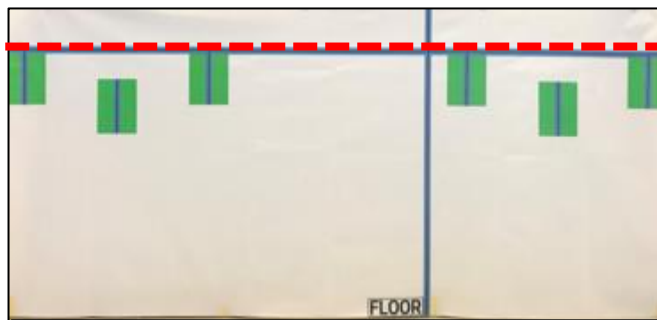
LED HEADLAMP INSPECTION AND REPLACEMENT (SA455)

- Verify proper operation and vertical aiming of headlamps and perform vertical adjustments using the banner, if necessary.

Note: Headlamp beam cut-off line should be below the red dotted line.

*** NOTICE**

Refer to 'Inspection Station Set-up Procedure, Attachment 1' outlined on page 6 for headlamp aiming.



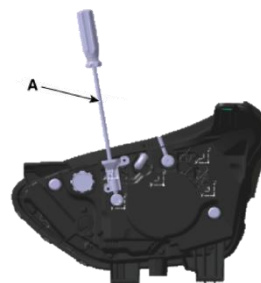
Center line of the vehicle should align with the BLUE vertical line.

- Note:**

- All lamp beams are below the red dotted line
- LED lamp should light the two outer squares, center square should have some shading.

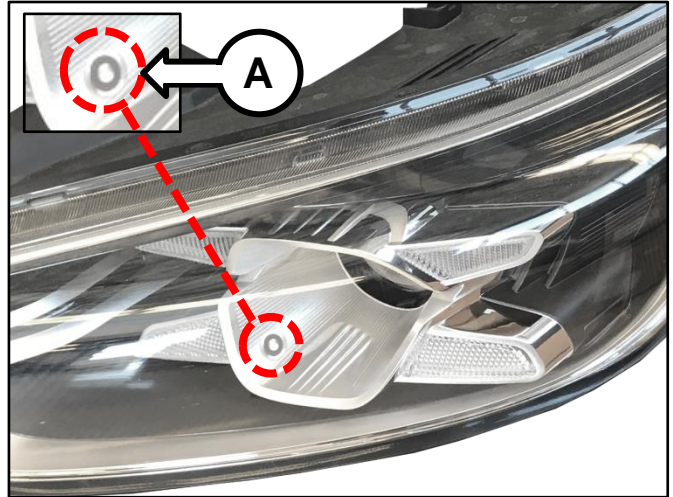


- Aim the headlamps so the brightest portion falls on the vertical lines as shown in Step 4.



Faulty Headlamp Scrap Procedure:

1. Carefully drill a ¼ inch hole (A) through the lens of the old headlamp assembly.



2. With a permanent marker, clearly write the last six numbers of the VIN and RO open-date on the lens.

Example shown -

- Last six of VIN: 012345
- RO Open Date: 11/28/18



3. Take and submit one (1) KVID* photo of each drilled and marked headlamp to attach to Warranty claim.
 - Drilled hole, last six of VIN, and RO open date **MUST** be clearly visible in photo(s).
 - If replacing one headlamp **one** photo is required for warranty claim submission.
 - If replacing both headlamps **two** individual photos are required for warranty claim submission.




***KVID must be used for photo submission. Other sources are not supported.**



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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Forte (BDm)	October 28, 2020 through November 24, 2020

REQUIRED TOOL:

Tool Name	Tool Number	Figure	Comments
Forte LED Headlamp Aim Banner	HLABN M7000		Included in dealer tool kit

RELATED PART:

Part Name	Part Number	Figure
LED Headlamp (LH)	92101 M7200QQK	
LED Headlamp (RH)	92102 M7200QQK	

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 M7200	0	(SA455A) Replace (1) Left Headlamp and Aim	200M20R0	0.8 M/H	92101 M7200QQK (LH)	1
V	92102 M7200	0	(SA455B) Replace (1) Right Headlamp and Aim	200M20R1	0.8 M/H	92102 M7200QQK (RH)	1
V	92101 M7200	0	(SA455C) Replace (2) Right and Left Headlamp and Aim	200M20R2	0.9 M/H	92101 M7200QQK (LH)	1
						92102 M7200QQK (RH)	1

Note: For attaching KVID image(s), use attachment type 'XX: Other'. KVID must be used for photo submission. Other sources are not supported.

If necessary, enter sublet code 'X2' for a maximum allowance of 2 days for substitute transportation.

*** NOTICE**

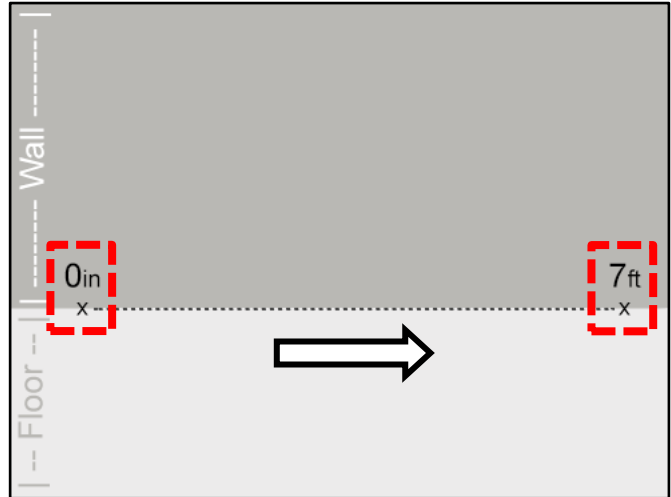
VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SA455** when accessing the WebDCS system.



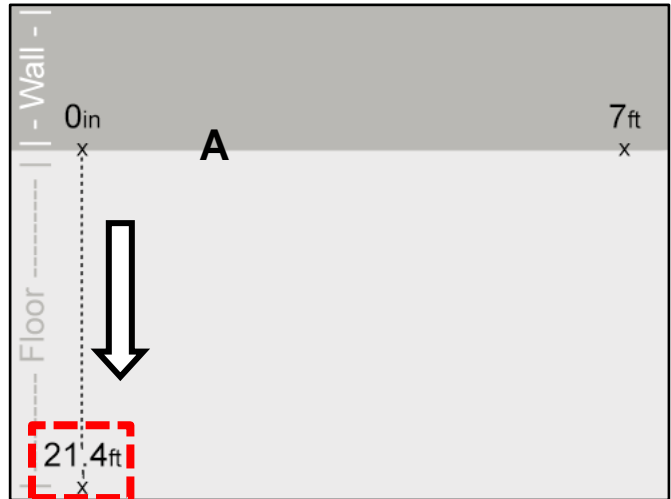
Inspection Station Set-up Procedure, Attachment 1:

At a blank wall* with at least 7ft. width of space, measure and mark at two (2) locations: 0in. and 7ft. (84in.).

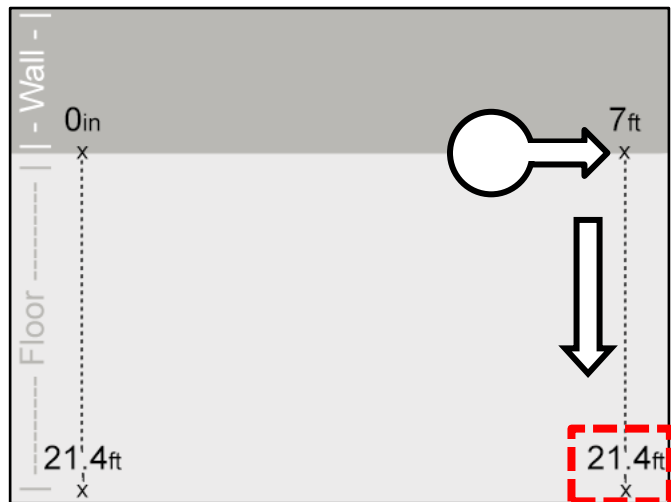
*If a blank wall is not available, refer to Attachment 1 on page 8 for an example of a custom mobile stand.



From the 0in mark (A) at the wall, measure and mark a spot 21.4ft. (257.25in.) away from and perpendicular to the wall.



Repeat step 2 but from the 7ft. mark (B) at the wall.



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Measure and ensure the distance is 7ft. between both new marks (C).

