	GROUP <b>Safety Recall Campaign</b>	MODEL <b>2019MY Forte (BDm)</b>
	NUMBER <b>SC171 (Rev 1, 01/04/2019)</b>	DATE <b>December 2018</b>
<b>SAFETY RECALL CAMPAIGN</b>		
SUBJECT: <b>LED HEADLAMP INSPECTION AND REPLACEMENT (SC171)</b>		

**\* NOTICE**

**This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.**

This bulletin provides the procedure to inspect and, if necessary, replace the LED headlamps on certain 2019MY Kia Forte (BDm) vehicles produced from July 24, 2018 through September 17, 2018. The LED headlamps installed on certain 2019MY Forte (BDm) vehicles fail to conform to Federal Motor Vehicle Safety Standard (FMVSS) 108, Lamps, Reflective Devices, and Associated Equipment. The LED headlamps may have been produced by the supplier with improper low-beam lamp aiming, resulting in potential leftward deviation in the aiming of the low-beam lamps. Insufficient visibility of the roadway due to improperly aimed headlamps can increase the risk of a crash.

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.**



**\* NOTICE**

**There is no charge to the vehicle owner for this repair. Under applicable law, you may not sell or otherwise deliver any affected vehicle until it has been repaired pursuant to the procedures set forth in this bulletin.**

**\* NOTICE**

**To assure complete customer satisfaction, always remember to refer to WebDCS Warranty Coverage (validation) Inquiry Screen (Service → Warranty Coverage → Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.**

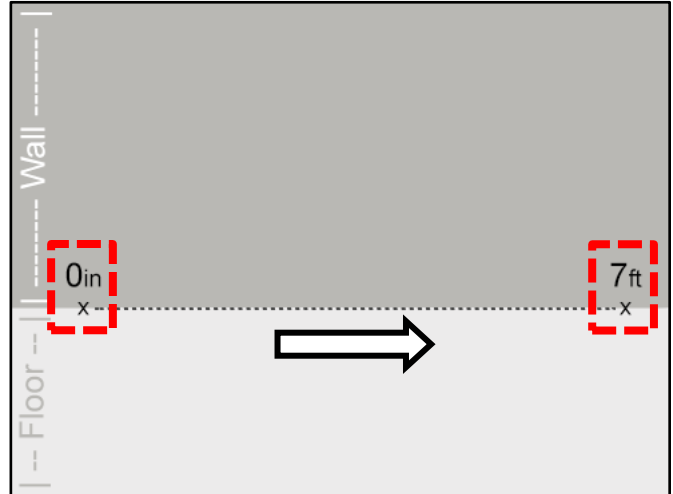
**File Under: <Safety Recall Campaign>**

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

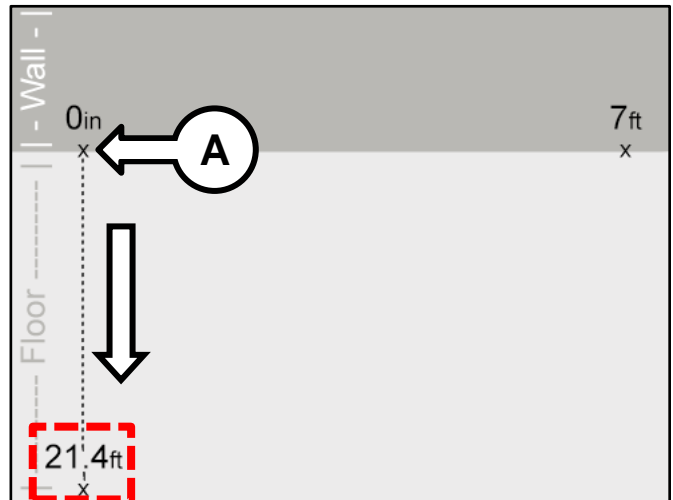
**Inspection Station Set-up Procedure:**

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

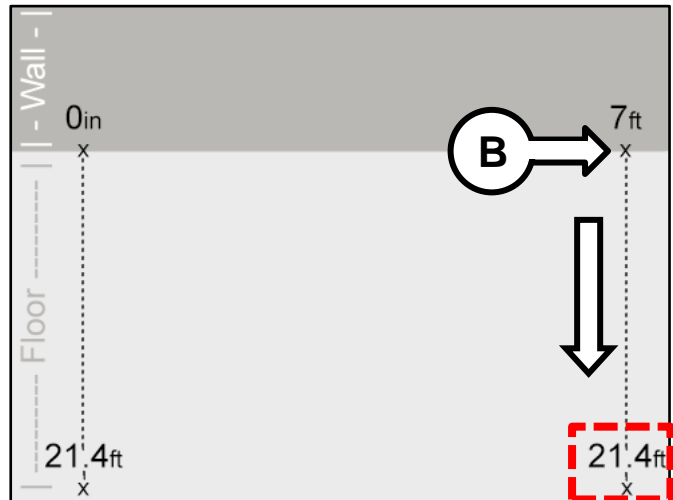
\*If a blank wall is not available, refer to Attachment 1 on page 8 for an example of a custom mobile stand.



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



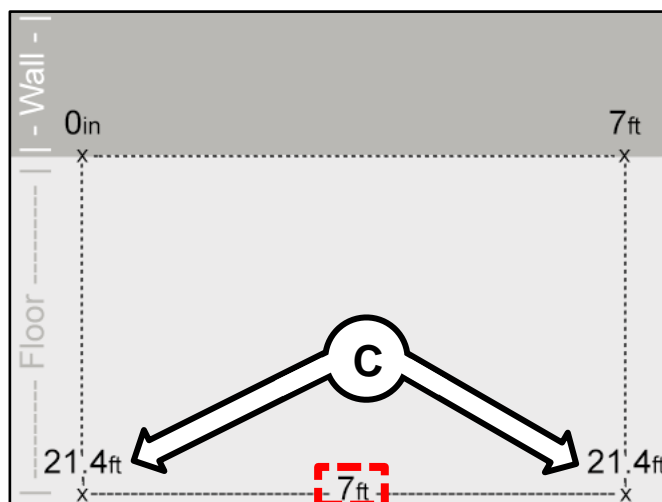
3. Repeat step 2 but from the 7ft. mark (B) at the wall.



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

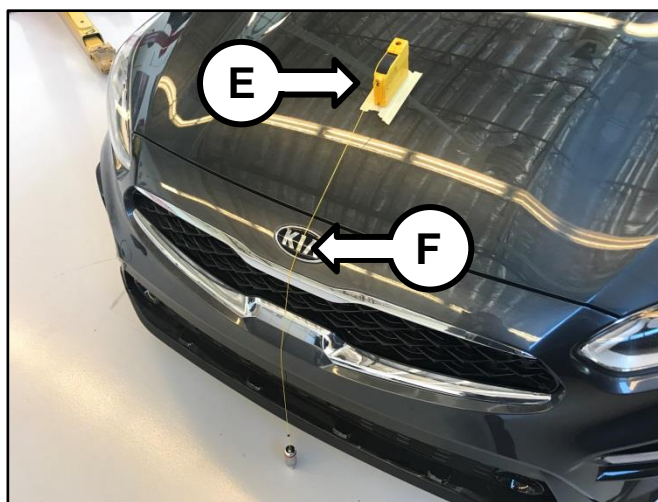
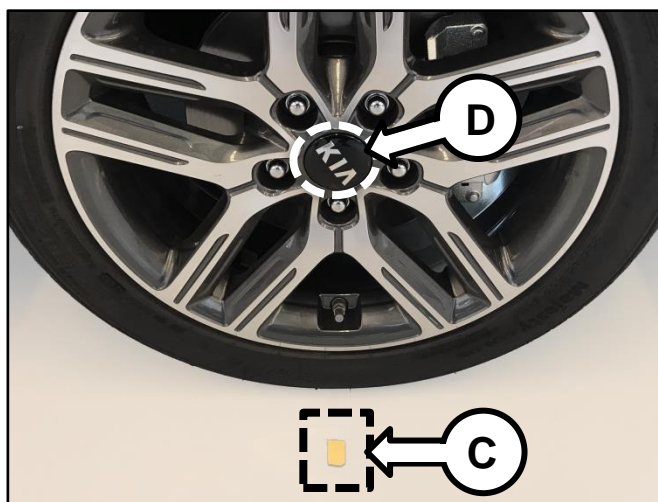


### \* IMPORTANT

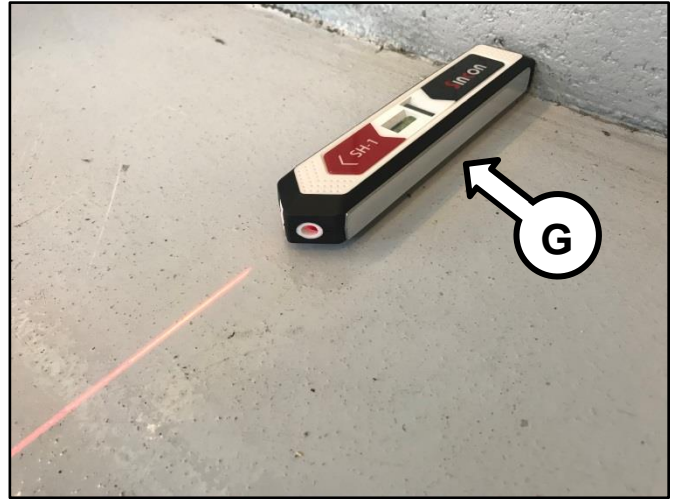
The inspection must be performed prior to part(s) ordering to determine if any headlamp assembly requires replacement.

#### Inspection Procedure:

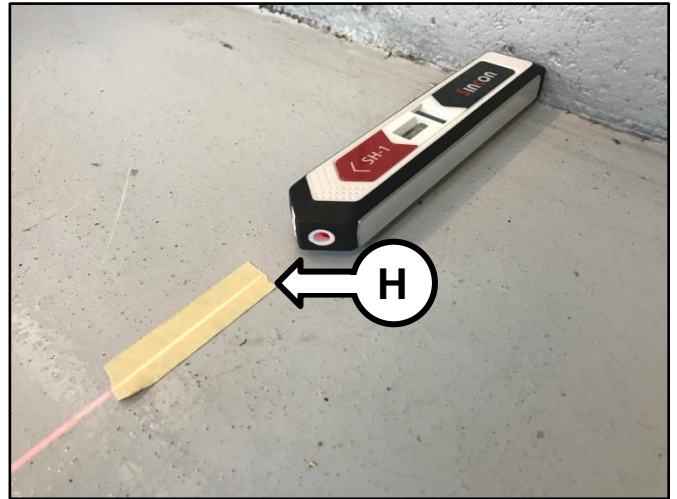
1. Drive the vehicle perpendicular to the wall and up to the marks (C) and with assistance, align the vehicle's front wheel center caps (D) to the marks (C). Adjust as necessary until the marks (C) and center caps (D) are aligned on both sides of the car.
2. Place a layer of masking tape over the hood at a horizontally centered location about 4-6 inches from the edge and then use the Vertical Plumb tool (E) (provided with BSD/BCW Calibration Kit, Tool No. 09958 3T500) and locate the center of the vehicle (F) (center of front emblem).



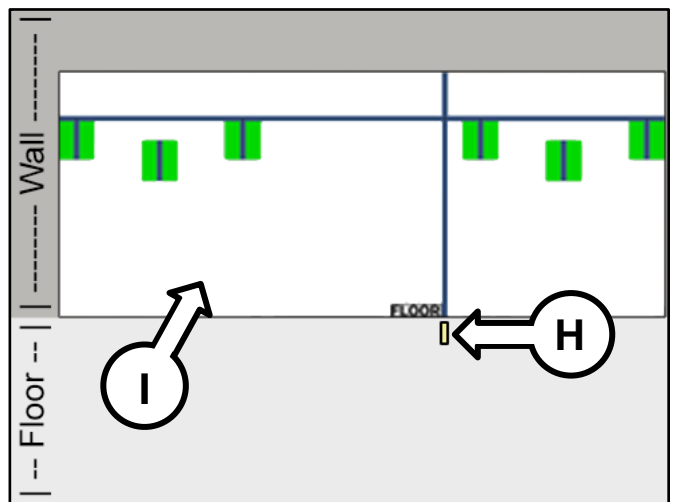
3. Lay the Horizontal Measuring Device (G) (provided with the BSD/BCW Calibration Kit) down and flush against the wall and position the laser left or right to align it with the Vertical Plumb (E) on the vehicle.



4. Mark the beginning of the laser (H) on the wall as shown and then remove the device from the wall.



5. With assistance, place and attach the headlamp inspection banner (I) on the wall with the bottom of the banner on the floor, as shown. Adjust the banner and align the blue vertical line with mark (H) in step 4.



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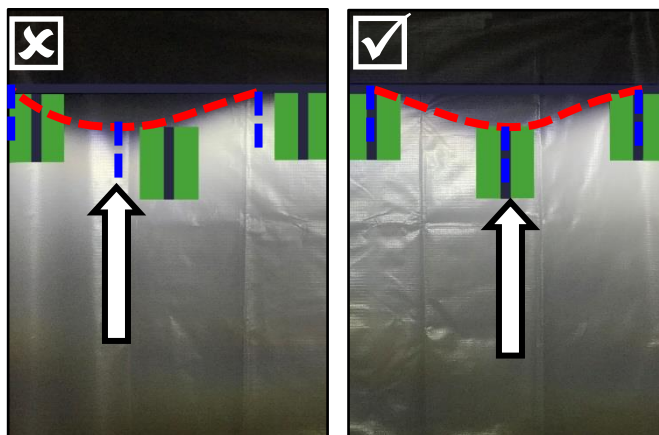
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6. Start the vehicle and turn on the low beams.



7. Inspect the horizontal aims of both low beams at the banner.

- If the notch is not centered (✗) with the green and blue markers, proceed to the replacement procedure and then faulty headlamp destruction procedure.
- If both aims are aligned (☑), no further action is required.

**Replacement Procedure:**

1. Replace the left and/or right horizontally misadjusted headlamp by referring to the "Body Electrical System → Lighting System → Headlamps → Repair procedures" chapter in the applicable Shop Manual on KGIS.

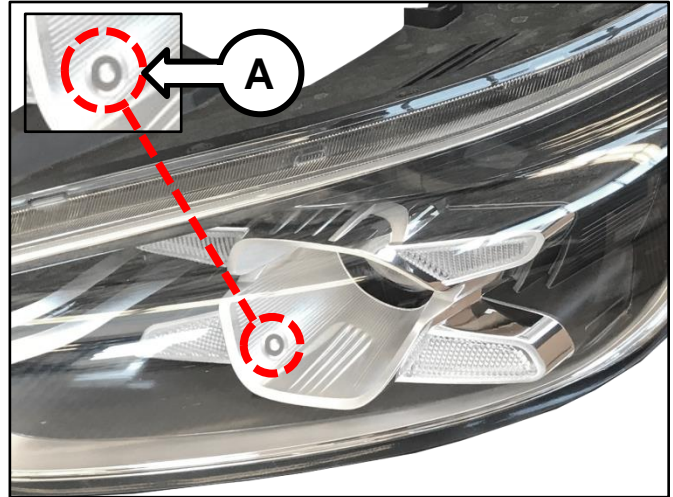


2. Verify proper operation and vertical aiming of headlamps and perform vertical adjustments using the banner, if necessary.



**Faulty Headlamp Destruction 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.

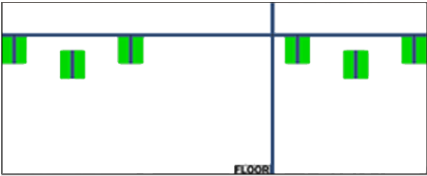

\*KVID must be used for photo submission. Other sources are not supported.



**SUBJECT: LED HEADLAMP INSPECTION AND REPLACEMENT (SC171)**
**AFFECTED VEHICLE RANGE:**



Model	Production Date Range
Forte (BDm)	July 24, 2018 through September 17, 2018

**REQUIRED TOOL:**

Tool Name	Tool Number	Figure	Comments
Forte LED Headlamp Aim Banner	HLABN M7000		*Auto-shipped to Dealers
Vertical Plumb & Pendulum + Horizontal Measuring Device	09958 3T500		Provided with BSD/BCW Unit Correction Tool Set Previously shipped to Dealers

\*Note: Due to shipping delays, banners may not arrive at all Dealers at time of TSB launch.

**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.
R	92101 M7200	0	(SC171) LED Headlamp Inspection Only	180M13R0	0.3 M/H	N/A	0
R	92101 M7200	0	(SC171) LED Headlamp Inspection & Replacement One (1)	180M13R1 *Requires <b>ONE</b> photo attachment	0.7 M/H	92101 M7200QQK (LH) 92102 M7200QQK (RH)	1
R	92101 M7200	0	(SC171) LED Headlamp Inspection & Replacement Two (2)	180M13R2 *Requires <b>TWO</b> photo attachments	0.9 M/H	92101 M7200QQK (LH) 92102 M7200QQK (RH)	1 1

Notes: 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 3 days for substitute transportation. Substitute transportation is NOT applicable to the inspection only labor operation 180M13R0.

**\* NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SC171** when accessing the WebDCS system.

**Attachment 1:**

