



SERVICE BULLETIN

Classification:

EL19-068

Reference:

NTB19-106

Date:

November 25, 2019

2018 – 2019 ARMADA; HEADLAMP AIMING

APPLIED VEHICLE: 2018 - 2019 Armada (Y62)

SERVICE INFORMATION

When adjusting the headlamps on an Armada, make sure to follow the procedures in the Electronic Service Manual (ESM).

- Warranty claims for headlamp adjustment are subject to audit.
- Claims must have the measurements for dimension **H**, **M**, and **N** (shown in this bulletin) listed on the repair order and on the Technician Comments line of the claim.
- Claims submitted without these measurements may be denied.

If a customer reports their headlamps are not aimed correctly:

- Follow the exact procedure in the ESM for headlamp adjustment.
 - For the procedure to aim the headlamps refer to the ESM: **DRIVER CONTROLS > EXTERIOR LIGHTING SYSTEM > LED HEADLAMP > PERIODIC MAINTENANCE > HEADLAMP AIMING ADJUSTMENT.**
- Do not deviate from the adjustment procedure in the ESM.
- Refer to the Clarifications of the ESM Vertical Headlamp Adjustment Procedures in this bulletin.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. **NOTE:** If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

Clarifications of the ESM Vertical Headlamp Adjustment Procedures

1. Make sure the manual headlamp aiming control is set to "0".

Manual headlamp aiming control set to "0"



Figure 1

2. Place the vehicle 10 m (32.8 ft.) from the screen (see dimension **L** in Figure 2).
3. Measure dimension **H** in Figure 2.
 - Measure the distance from the center of the headlamp low beam bulb to the ground.

Write this measurement (H) on the repair order and on the Technician Comments line of the warranty claim.

4. Use the measurement from step 3 to make a horizontal mark/line on the screen.
 - This is represented as **H** on the screen in Figure 2.

Example: If measurement **H** in step 3 is 31.54 inches (801 mm), make a horizontal line on the screen 31.54 inches (801 mm) above the ground.

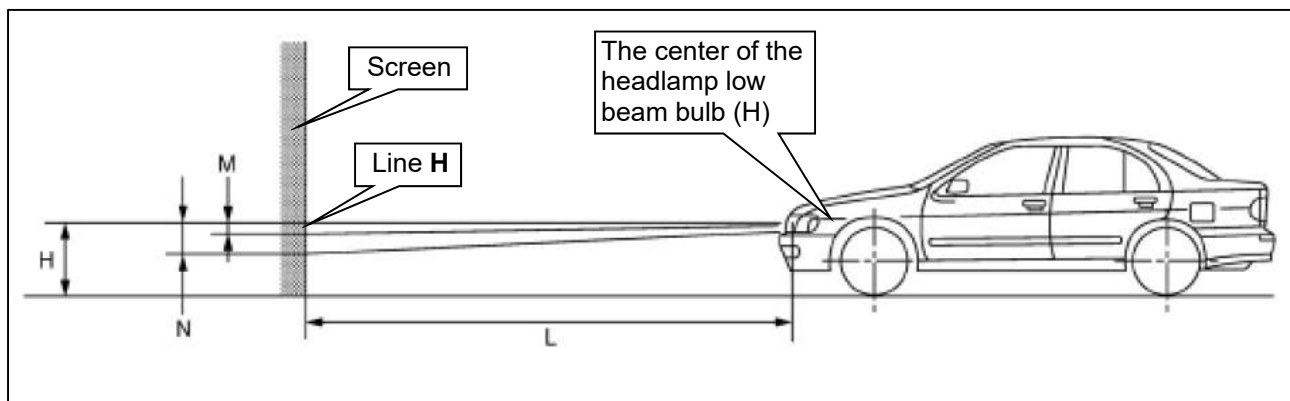


Figure 2

5. Start the engine and turn the headlamps ON, set to low beam and block one headlamp beam.

6. Follow the instructions in the ESM to perform adjustments within the range limits of dimension **M** and **N** in Table A and shown in Figure 3. (Also refer to Figure 2 on the previous page.)
 - Use only the measurements on the bottom line in Table A (below) for the following adjustments.

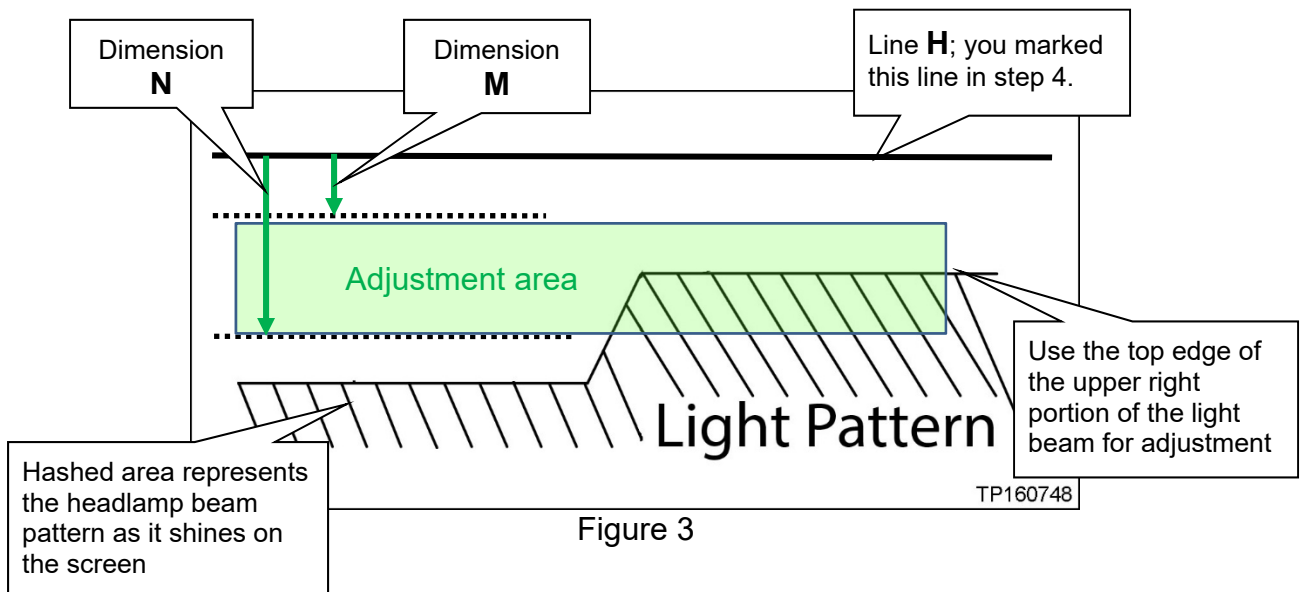
Table A

Horizontal center line of headlamp (H)	Highest cutoff line height (M)	Lowest cutoff line height (N)
700 (27.56) or less	4 (0.16)	30 (1.18)
701 (27.60) - 800 (31.50)	4 (0.16)	30 (1.18)
801 (31.54) or more	17 (0.67)	44 (1.73)

Measurements above shown as “mm (inches)”

Figure 3 represents one headlamp beam as it shines on the adjustment screen.

- **LED headlamps are Visually Optical aligned Left (VOL), as shown below.**



- Dimension **N** is the minimum cutoff line height; the lowest point at which the headlamp may be adjusted: 44 mm (1.73 inches) below line H.

**Write on the repair order and on the Technician Comments line of the warranty claim the headlamp adjustment measurement (N).
Record the measurement before and after adjustment.**

- Dimension **M** is the maximum cutoff line height; the highest point at which the headlamp may be adjusted: 17 mm (0.67 inch) below line H.

**Write on the repair order and on the Technician Comments line of the warranty claim the headlamp adjustment measurement (M).
Record the measurement before and after adjustment.**

7. Unblock the first headlamp beam and block the opposite side. Repeat step 6 to adjust the second headlamp (as needed).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
November 25, 2019	NTB19-106	Original bulletin published

