

Technical Service Bulletin



94 Xenon headlights are aimed too low or passenger side is too high

94 16 74 2037810/2 February 29, 2016. Supersedes Technical Service Bulletin Group 94 number 14-45 dated July 22, 2014 for reasons listed below.

| Model(s) | Year | VIN Range | Vehicle-Specific Equipment |
|----------|-------------|-----------|----------------------------|
| A3 | 2015 - 2018 | All | With xenon headlights |

Condition

| REVISION HISTORY | | |
|------------------|-----------|--|
| Revision | Date | Purpose |
| 2 | - | Revised title Revised header data (Added model years) Revised <i>Condition</i> (Added third condition) Revised <i>Technical Background</i> (Added information about right headlight complaints) |
| 1 | 7/22/2014 | Initial publication |

In a vehicle with xenon headlights, one of the following conditions is present:

- The customer says that there is a “dark spot” in the middle of the xenon headlight illumination pattern over road.
- The customer says that one or both of the xenon headlights are aimed too low or do not provide enough lighting distance.
- The customer says the right side low beam is aimed too high or is not level with the left low beam.

Technical Background

“Dark spot” complaints

The “dark spot” in the headlight illumination pattern is normal. It is a result of the geometry and structure of the xenon headlight (Figure 1 and Figure 2).



Figure 1. Illumination of xenon headlight.

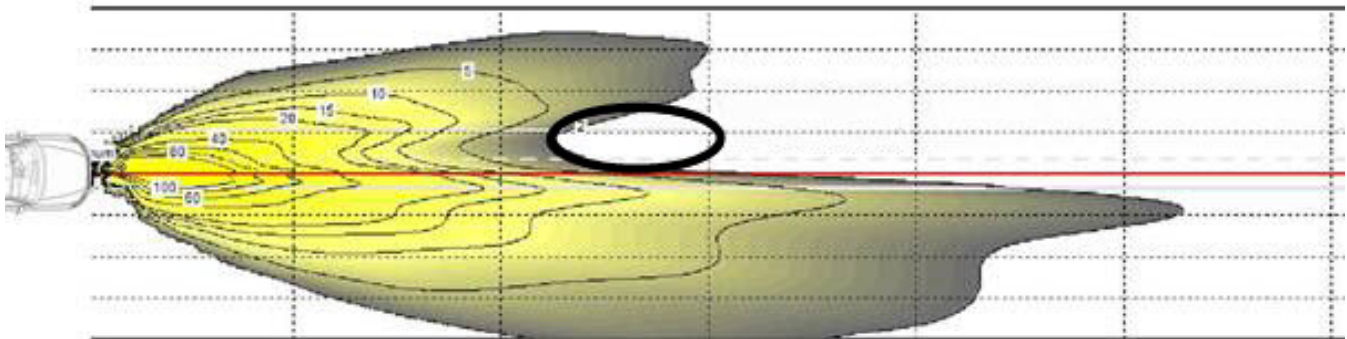


Figure 2. Light distribution of A3 xenon headlights.

The xenon headlight meets all legal regulations. This condition is normal. Adjusting or replacing the headlight will not remove the dark spot.

“Right headlight aimed too high” complaints

This is a normal condition. No repair or adjustments should be performed. Adjustment of the headlights to make them level relative to each other can create an unsafe driving condition and should never be performed. The driver side low beam is designed to be lower than the passenger side low beam to prevent blinding on-coming traffic. The passenger side low beam should remain higher to provide a longer illumination distance of the road.

“Headlight aimed too low” complaints

For general complaints about this condition, use the headlight check procedure in the Elsa repair manual. Before adjusting, ensure that these critical pre-conditions are met:

- Fuel tank is at 90% or additional weight is added.
- Tire pressure meets vehicle’s specifications.
- Driver’s seat load or occupant is present.
- No extra equipment or items are in the trunk or in the interior compartment of the vehicle.
- Seating of the springs is correct.
- EPB is not activated.
- Vehicle is on a flat surface.
- Headlamp adjuster is located to the correct distance in front of the vehicle.
- Headlamp adjuster is set up properly with the correct inclination dimension.
- Low beam is turned on and is not set to “auto” or “high beam”.

The conditions listed here are for reference. Consult the Elsa repair manual for the official pre-conditions.

Production Solution

Not applicable.

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Service

If no adjustment is made, explain to the customer the design of the headlights and the pattern that is required to match legal regulations.

Warranty

This TSB is informational only and not applicable to any Audi warranty.

Additional Information

All parts and service references provided in this TSB (2037810) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.