



Technical Service Bulletin

94 LED daytime running lights: differences in color between the two headlights

94 21 36 2023322/3 March 18, 2021. Supersedes Technical Service Bulletin Group 94 number 10-26 dated July 1, 2010 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4, S4, A5, A5 Cabriolet, A6, A8, S8, TT, and Q7	2008 - 2022	All	LED lights
TTS	2009 - 2022		
S6	2008 – 2018, 2021 - 2022	All	LED lights
A4 Cabriolet, S4 Cabriolet, and RS 4 Cabriolet	2008 - 2009	All	LED lights
RS 4, RS 4 Cabriolet	2008	All	LED lights
RS 5, RS 5 Cabriolet	2010 – 2017, 2019, 2021 - 2022	All	LED lights
RS 5 Sportback	2019, 2021 - 2022	All	LED lights
A7, TTRS	2012 - 2022	All	LED lights
S7	2012 – 2018, 2020 - 2022	All	LED lights
A3, A3 Cabriolet, S3, S5 Cabriolet, and Q3	2015 - 2022	All	LED lights
A3 e-tron	2015 - 2018	All	LED lights
A3 Sportback, RS 6	2016 - 2018	All	LED lights
RS 3, SQ7	2017 - 2022	All	LED lights
A4 allroad, S5, and Q5	2010 - 2022	All	LED lights



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RS 7	2016 – 2018, 2020 - 2022	All	LED lights
A5 Sportback, S5 Sportback, SQ5, and R8	2018 - 2022	All	LED lights
Q8, Audi e-tron quattro	2019 - 2022	All	LED lights
A6 allroad, SQ8, RS Q8,, and Audi e-tron Sportback	2020 - 2022	All	LED lights
A6 Avant, RS 6 Avant	2021 - 2022	All	LED lights

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised header (Added MY 21 and 22)
2	07/01/2010	Revised header (Specified 2011 models)
1	06/02/2010	Initial publication

Customer states:

- The daytime running light LEDs in the headlights have slightly different shades of color.

Workshop findings:

- There are no related DTCs stored.

Technical Background

The minor color differences of the LEDs are caused by the coating of the blue LED with yellow phosphor. This coating is necessary to get white LEDs.



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A permissible range of white for the road traffic is defined by law (Figure 1, Area 1 within blue dotted line).

The LED manufacturer sorts the complete production volume according to even smaller color ranges (Figure 1, Area 2 in black grid).

To get the fewest possible color deviations, Audi uses only part of the manufacturer's already limited range and thus only a small section of what is legally permissible for road traffic (Figure 1, Area 3).

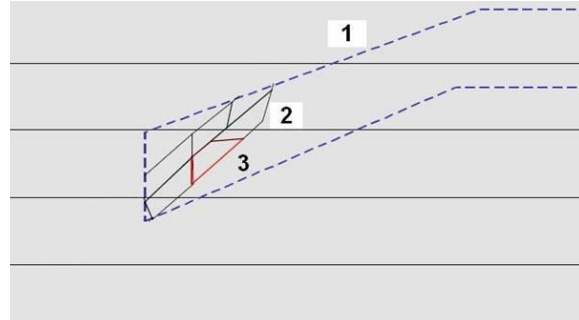


Figure 1. Section of the color triangle; color range according to DIN 5033. The permissible range of white for road traffic.

In production, a finer color selection is not possible; this can lead to minimal color differences. This is normal.

Production Solution

Not applicable.

Service

Please explain the *Technical Background* to the customer. Do not carry out any repairs.

Warranty

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

Additional Information

All part and service references provided in this TSB (2023322) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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