



Technical Service Bulletin

94 Daytime running light (DRL) inoperative, DTC 02895 and/or 02897 is stored in the central electrics control module

94 19 06 2032184/8 April 30, 2019. Supersedes Technical Service Bulletin Group 94 number 16-80 dated September 7, 2016 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q5	2013-2017	All	LED Daytime Running Lights

Condition

REVISION HISTORY		
Revision	Date	Purpose
8	-	Revised title Revised <i>Warranty</i> (Updated Labor Operations)
7	09/07/2016	Revised header data (Added model year 2017) Revised <i>Warranty</i> (Completely revised)
6	08/19/2015	Revised header data (Added PR code; added model year 2016) Revised <i>Warranty</i> (Completely revised)

Customer may report one of the following issues:

- Daytime running light is completely inoperative.
- Daytime running light is partially inoperative.
- Multiple daytime running light LEDs are inoperative.

Workshop findings:

One or both of the following DTCs is stored in the central electrics control module, J519 (address word 0009):

- **DTC 02895** (Supply for Left LED Parking Lamp / DRL module) with fault symptom 12 (Electrical malfunction in the circuit).
- **DTC 02897** (Supply for Right LED Parking Lamp / DRL module) with fault symptom 12 (Electrical malfunction in the circuit).



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Technical Background

The MY2013+ Audi Q5 LED DRLs use light-emitting “pipes” or “guides” instead of multiple, individual LEDs. There are two light pipes per headlight. Each light pipe uses a single LED for illumination (Figure 1).



Figure 1. Upper and lower light pipes illuminated.



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The LEDs with heatsinks are contained in a single module (Figure 2, A) mounted to the outer backside of each headlight.



Figure 2. The backside of the headlight with LED heat sink (A) and LED control module (B).

The LED unit with heat sink utilizes a gasket and is keyed into the headlight housing to maintain proper alignment of each LED and light pipe. The LED units (L176 and L177, left and right, respectively) are controlled via a control module (J860 and J861, left and right, respectively) located separately on the backside of the headlight (Figure 2). These LED units and LED control modules are electrically interchangeable from side to side, but the LED units are mechanically specific to each headlight side.

As of March 12th, 2013 production, the LED unit with heat sink has been updated (Figure 3). If a failure



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occurs, these parts do *not* need to be replaced in pairs.

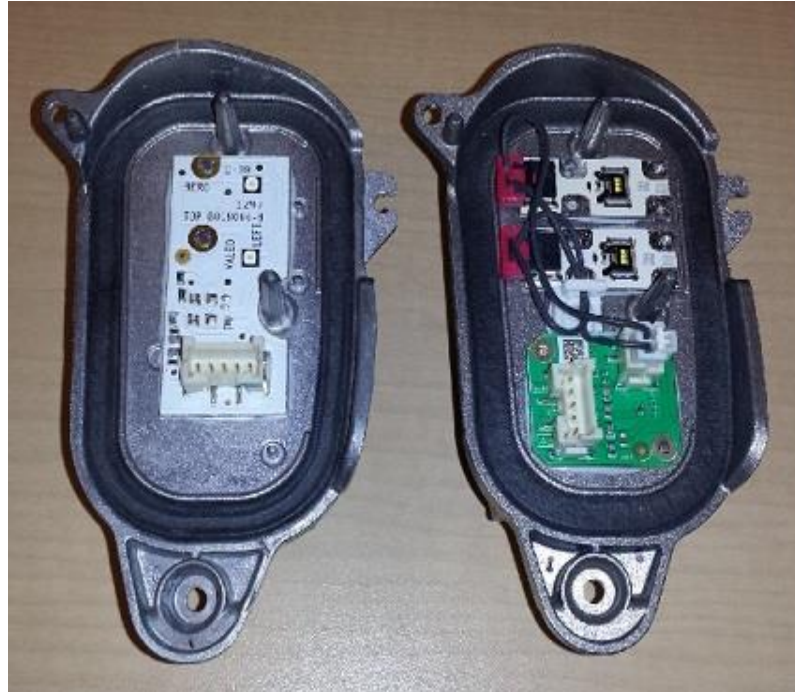


Figure 3. Current (left) and early (right) style LED DRL units.

If the customer concern is that the LED DRLs appear to be partially inoperative, please confirm this concern while the customer is present. The LED DRL can be perceived as inoperative due to the viewing angle taken by the customer.



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There are different angles from which a partial defect may be incorrectly perceived:

- A defect may be perceived for top-down viewing angle (Figure 4).

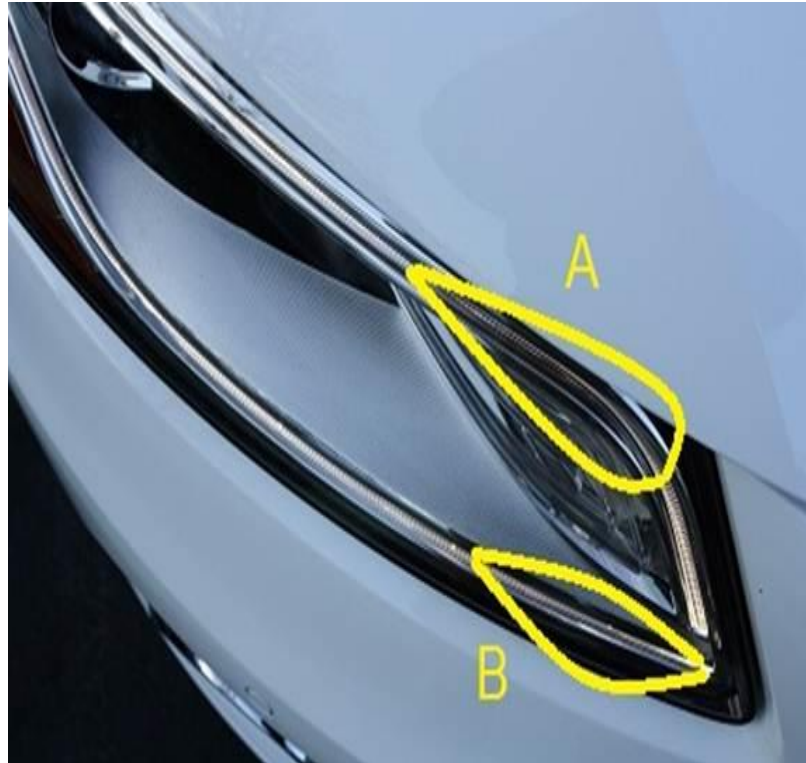


Figure 4. Upper light pipe perceived defect (A). Lower light pipe perceived defect (B).



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- A defect may be perceived for corner viewing angle (Figure 5).



Figure 5. Upper light pipe perceived defect (A).



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- A defect may be perceived for the acute corner viewing angle (Figure 6).

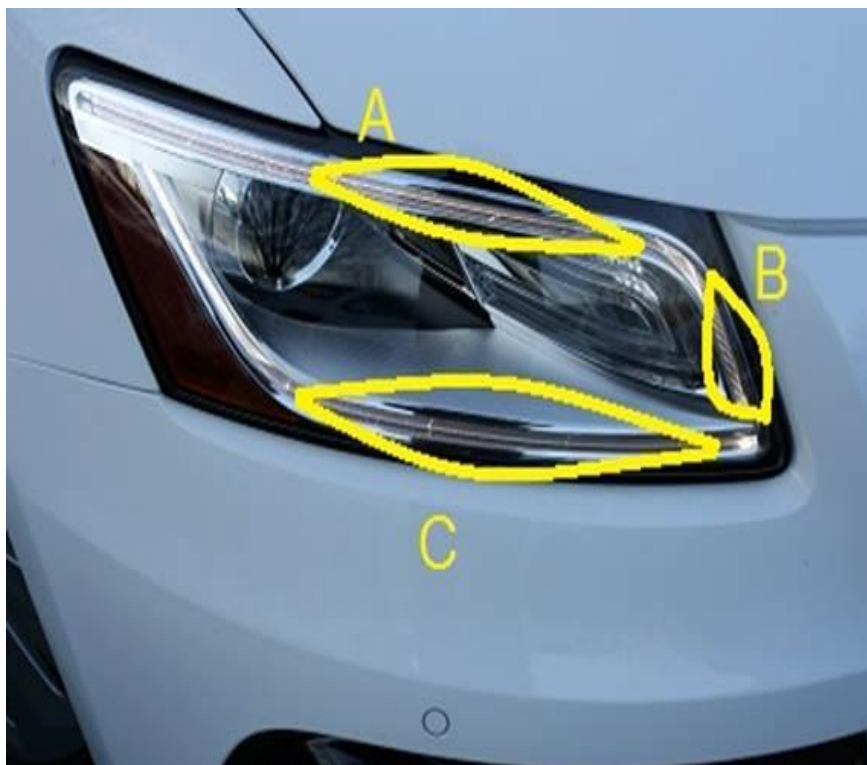


Figure 6. Upper light pipe perceived defect (A, B). Lower light pipe perceived defect (C).

Production Solution

Not applicable.

Service

If it is determined that it is a perception issue:

Explain to the customer that the LED illumination appears differently to someone standing in front of the vehicle than it appears to oncoming traffic. The viewing angle of someone standing in front of the vehicle will give a visual effect of an LED DRL inoperative or partially-inoperative condition.

If it is not a perception issue, and the LED DRL is inoperative, follow the steps below:

1. With the ignition off, remove the DRL control module (Figure 2, B). See repair manual for instructions.



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2. Check the connector at the module and secure if loose. If necessary, remove the connector and reinstall to ensure that the connector is engaged properly. The wiring harness guide of the terminal housing may impede connector engagement.
3. With ignition still off, remove the LED unit with heat sink from headlight housing (Figure 7). See repair manual for instructions. Inspect and secure all electrical connectors, if loose. Remove and secure the white connectors, even if they do not appear to be loose.



Figure 7: Dual surface mount LED unit exposed.

4. Turn ignition on to see if DRL is now operating to specifications.



Note:

Be extra careful with red surface mount connectors. In general, a repair kit is not available for any internal headlight connectors.



Note:

The appearance of the replacement part for the LED DRL has changed, but functionality is the same. If an LED DRL needs to be replaced, they do not need to be replaced as a pair.



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If the above steps do not correct the DRL operation, continue with a further diagnosis on the LED control module and LED with heat sink before replacing the headlight housing; e.g., swapping modules from one headlight to another, inspect wiring, connectors, etc.

Warranty

Claim Type:	<ul style="list-style-type: none"> • 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If the vehicle is outside any warranty, this Technical Service Bulletin is information only. 		
Service Number:	9418		
Damage Code:	0040		
Labor Operations:	For <u>left</u> LED control module and LED heat sink only:		
	Left LED control module remove + reinstall	9418 1900	See SRT
	Left LED Heat Sink remove + reinstall	9418 9999	20 TU
	For the <u>right</u> LED control module and LED heat sink only:		
	Right LED control module remove + reinstall	9418 1901	See SRT
	Right LED Heat Sink remove + reinstall	9418 9999	20 TU
	For <u>both</u> the left and right LED control module and LED heat sink:		
	Both LED Control module remove + reinstall	9418 2000	See SRT
	Both LED Heat Sink remove + reinstall	9418 9999	40 TU
	And (for all repairs):		
	2 Headlight assembly adjust (without part replacement)	9415 1600	See SRT
	2 Headlight assembly adjust (with part replacement)	9415 1650	See SRT



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Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	0150 0000	Times stated on the diagnostic protocol (Max 50 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
Claim Comment:	As per TSB #2032184/8		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Additional Information

All parts and service references provided in this TSB (2032184) 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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