

LED Daytime Driving Light Failure in the Main Headlights/ Fault Memory Entry "C11B213" in the Headlight Control Unit: Check Plug Connections in the Main Headlights (46/ 24)

Model Line: Cayenne (9YA / 9YB)

Model Year: As of 2024

Concerns: Main headlights

Cause: Customers complain about the failure of the LED daytime driving lights in the left and/ or right main headlights. The following fault memory entry is stored in the fault memory of the headlight control unit:

- C11B213 - Daytime driving lights, interruption

The cause of the above-mentioned complaint may be one or more incorrectly secured electrical plug connections in the affected main headlight. ⇒ *Example of an incorrectly secured plug connection*



Example of an incorrectly secured plug connection

Action: In the event of a complaint, check and rework the secure fit of the electrical plug connections for the LED daytime driving lights in the affected main headlight.

The positions of the electrical plug connections that must be checked and the work procedure on the respective installed main headlights differ.

Installed main headlights	Work procedure
Matrix LED main headlights (M-No. 8IT)	Continue with: ⇒ <i>Technical Information 'Check and rework plug connections in the "Matrix LED main headlights (M-No. 8IT)'"</i>
HD matrix LED main headlights (M No. 8IU / 8JU)	Continue with: ⇒ <i>Technical Information 'Check and rework plug connections in the "HD matrix LED main headlights (M-No. 8IU / 8JU)'"</i>

Required tools

- Tools:
- P90999 - PIWIS Tester 4
 - Battery charger with a current rating of at least 90 A, e.g. VAS 5908 - 90-A battery charger. For further information about the battery chargers to be used, see the corresponding Workshop Manual.
⇒ *Workshop Manual '2X00IN Battery trickle charge'*
 - Torque wrench, 0.4-2 Nm (0.3-1.5 ftlb.), e.g. VAS 6253A - torque wrench, 0.4-2 Nm (0.3-1.5 ftlb.)
 - Torque wrench, 2-10 Nm (1.5-7.5 ftlb.), e.g. V.A.G 1783 - torque wrench, 2-10 Nm (1.5-7.5 ftlb.)
 - Headlight adjustment unit, e.g. VAS 621 001 - headlight adjustment unit

Check and rework plug connections in the "Matrix LED main headlights (M-No. 8IT)"



Information

Only work on removed headlights in a clean work area and on a soft surface.



Information

The work procedure is shown as an example on the left main headlight and should be carried out analogously to the right main headlight.

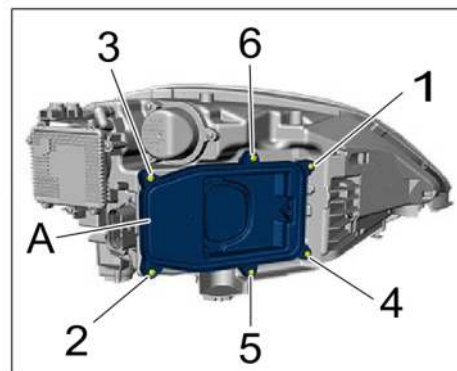
- Work Procedure: 1 Remove the affected headlight.
⇒ *Workshop Manual '941519 Remove and install headlights'*

- 2 Remove cover ⇒ *Cover -A-*.
- 2.1 Unscrew screws ⇒ *Cover -1 to 6-* and remove cover ⇒ *Cover -A-*.
- 3 Check electric plug connections ⇒ *Affected plug connections for matrix LED main headlights -1-* for correct fit by means of visual inspection or by gently pulling the electric plug connection. If necessary, press it back using a suitable tool and engage it correctly.

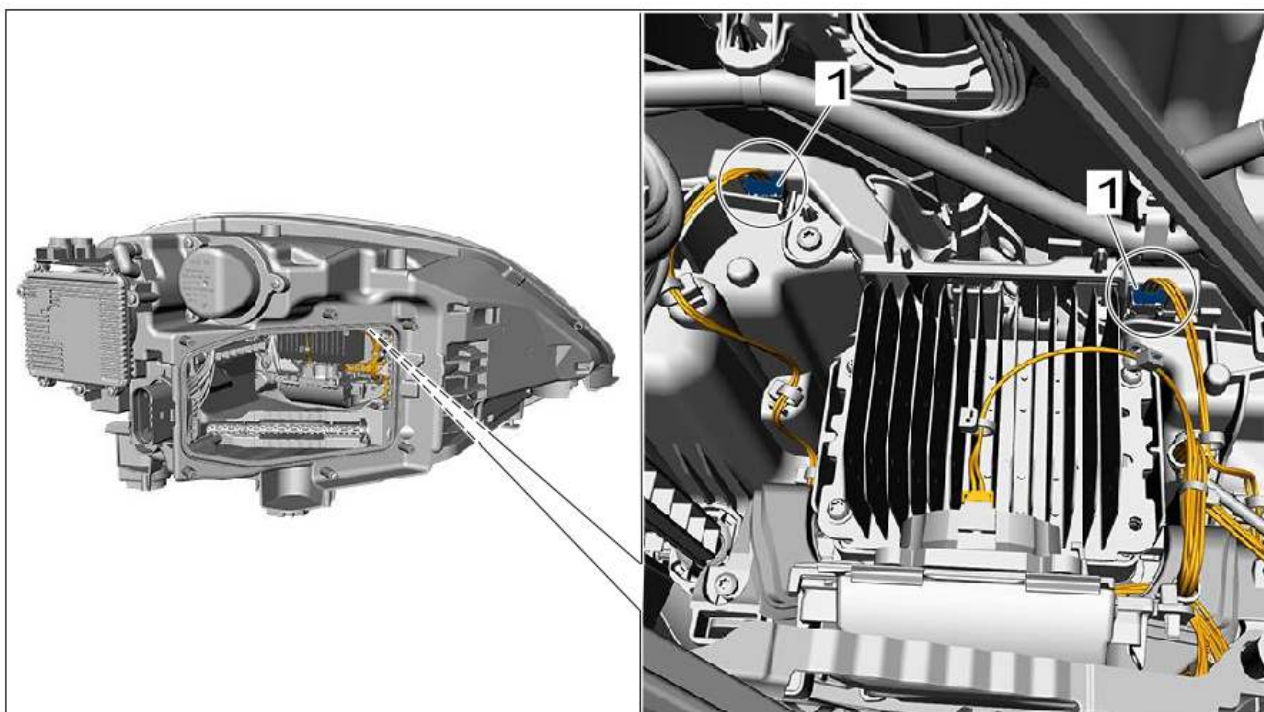


Information

The catches of the affected electrical plug connections in the main headlight are sometimes difficult to detect and not easily accessible. In case of doubt, press the electrical plug connection back using a suitable tool, even if it appears to engage correctly.

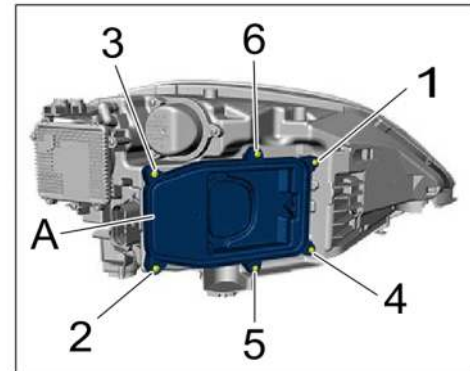


Cover



Affected plug connections for matrix LED main headlights

- 4 Install cover ⇒ *Cover -A-*.
 - 4.1 Install cover ⇒ *Cover -A-* and tighten screws in the order ⇒ *Cover -1* to *6-* with Tightening torque 1.5 Nm (1.1 ftlb.).
- 5 Install headlight.
⇒ *Workshop Manual '941519 Remove and install headlights'*
- 6 Check the function of the LED daytime driving lights.



Cover

Result	Action
Function OK.	End of remedial action.
Function still not OK.	Replace headlights. ⇒ <i>Workshop Manual '941555 Replace standard headlights -8IT,8IT'</i> End of remedial action.

Check and rework plug connections in the “HD matrix LED main headlights (M-No. 8IU/ 8JU)”



Information

Only work on removed headlights in a clean work area and on a soft surface.

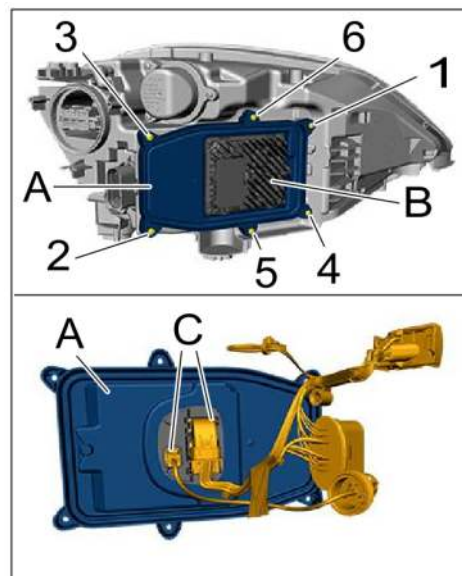


Information

The work procedure is shown as an example on the left main headlight and should be carried out analogously to the right main headlight.

- Work Procedure: 1 Remove the affected headlight.
⇒ *Workshop Manual '941519 Remove and install headlights'*
- 2 Remove control unit for headlight light adjustment.
⇒ *Workshop Manual '945719 Remove and install control unit for headlight light adjustment'*

- 3 Remove ⇒ *Cover with control unit -A-* cover with ⇒ *Cover with control unit -B-* control unit.
 - 3.1 Unscrew screws ⇒ *Cover with control unit -1* to 6 -.
 - 3.2 Carefully lift cover ⇒ *Cover with control unit -A-* with control unit ⇒ *Cover with control unit -B-* from the headlight housing until the electric plug connections ⇒ *Cover with control unit -C-* are accessible.
 - 3.3 Release and disconnect electric plug connections ⇒ *Cover with control unit -C-* and remove the cover ⇒ *Cover with control unit -A-* with the control unit ⇒ *Cover with control unit -B-*.



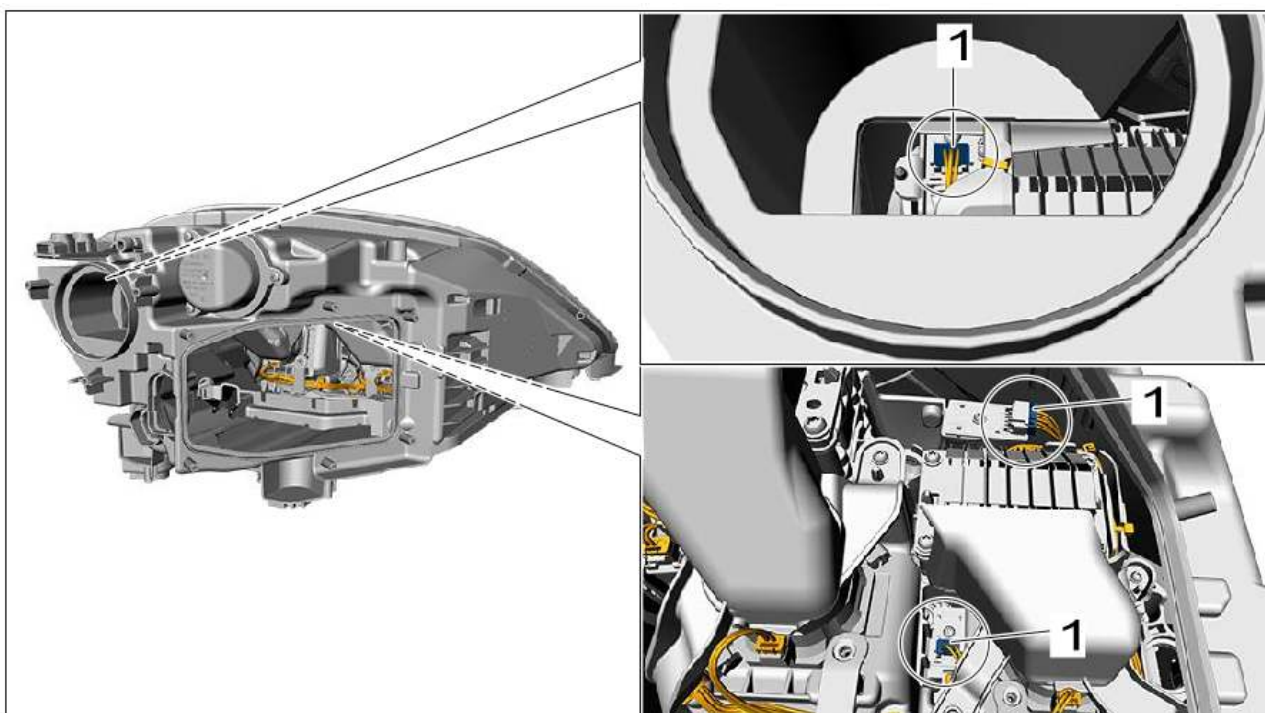
Cover with control unit

- 4 Check electric plug connections ⇒ *Affected plug connections for HD matrix LED main headlights -1-* for correct fit by means of visual inspection or by gently pulling the electric plug connection. If necessary, press it back using a suitable tool and engage it correctly.



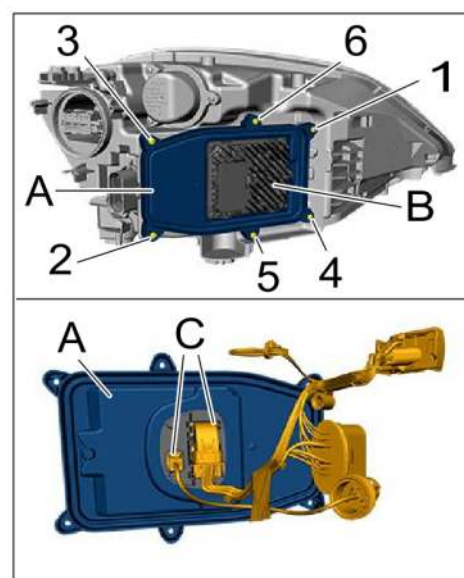
Information

The catches of the affected electrical plug connections in the main headlight are sometimes difficult to detect and not easily accessible. In case of doubt, press the electrical plug connection back using a suitable tool, even if it appears to engage correctly.



Affected plug connections for HD matrix LED main headlights

- 5 Install cover ⇒ *Cover with control unit -A- with control unit ⇒ Cover with control unit -B-.*
 - 5.1 Connect electric plug connections ⇒ *Cover with control unit -C- on the control unit ⇒ Cover with control unit -B- until they engage noticeably.*
 - 5.2 Install cover ⇒ *Cover with control unit -A- with control unit ⇒ Cover with control unit -B- and tighten screws in the order ⇒ Cover with control unit -1 to 6- with Tightening torque 1.5 Nm (1.1 ftlb.).*
- 6 Installing control unit for headlight light adjustment.
⇒ *Workshop Manual '945719 Remove and install control unit for headlight light adjustment'*
- 7 Install headlight.
⇒ *Workshop Manual '941519 Remove and install headlights'*
- 8 Check the function of the LED daytime driving lights.



Cover with control unit

Result	Action
Function OK.	End of remedial action.
Function still not OK.	Replace headlights. ⇒ <i>Workshop Manual '941555 Replace Premium headlights - 8IU,8IU'</i> End of remedial action.

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
XXXXXXXX	Check and rework plug connections (matrix)	
XXXXXXXX	Check and rework plug connections (HD matrix)	
94151901	Remove and install left headlight	
94151902	Remove and install right headlight	
94155501	Replace left headlight	
94155502	Replace right headlight	
94151600	Adjust 2 headlights (matrix)	
94151601	Adjust 2 headlights (HD matrix)	

PCSS encryption:

Location (FES5)	94150	Headlight
Damage type (SA4)	1611	does not function

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