

9YA/9YB - Front Turn Signal/ Auxiliary Headlight Incorrect Operation

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Cayenne	2022 - 2023	All	n/a	I-Numbers: 8IT (Basic LED Headlights) & JOB (92 Ah AGM battery)

Revision History

Revision	Release Date	Changes
0	February 16, 2023	Original document
1	April 27, 2023	Upgrade headlights for critical cases
2	September 20, 2023	Update of Vehicles Affected, Condition, Technical Background & Service Information

Condition

The customer complains of warning(s) in the instrument cluster for "Front (left or right) indicator fault" and possibly "Vehicle lighting fault". Visible symptoms for this concern involve a combination of the turn signal indicator in the instrument cluster rapid blinks and the turn signal stops blinking orange. Fault code "**C11A401 Turn signal bulb, electrical malfunction**" will be present in at least one headlight. Possibly "**B182700 – Feedback, blinking status, impl. Signal**" will also be present. B182700 is a consequential fault in the rear BCM.






Technical Background

Due to the software diagnostics of the front exterior lighting system, when vehicle voltage is low enough (instrument cluster displaying voltage at 11.9V or lower), operating the turn signals will cause the faults and conditions described to occur. These conditions can be presented in a key-on/engine-off state, or while start-stop is engaged.

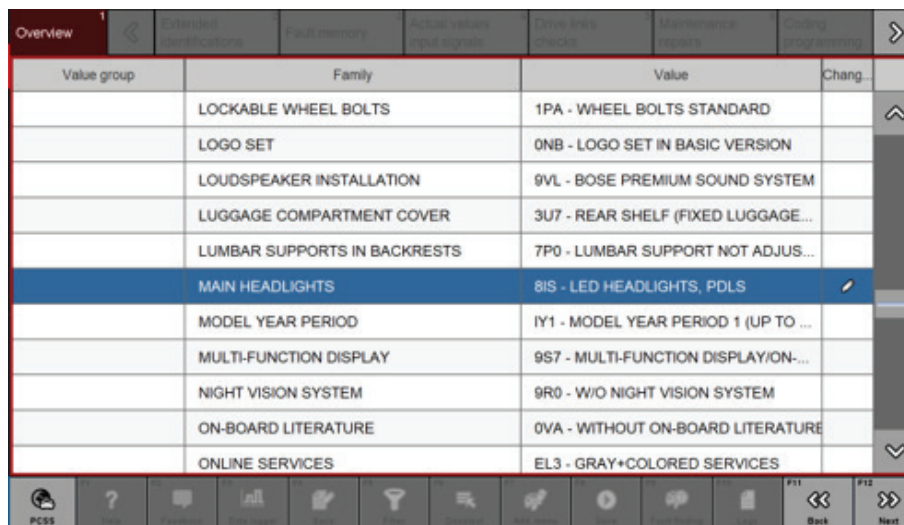
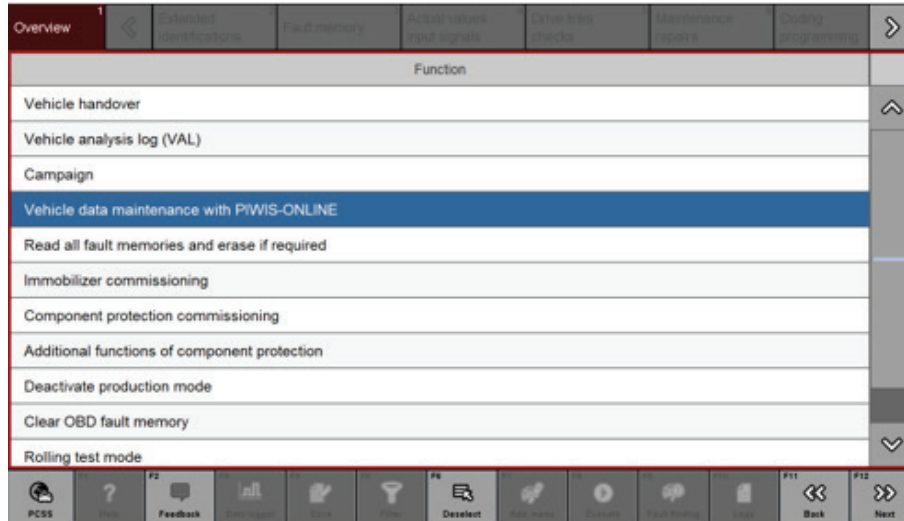
Service Information

Test and verify the 12V AGM battery is healthy and able to maintain a charge.

The temporary solution for this issue is to replace the basic LED headlights with the upgraded PDLs headlights option (**not PDLs+**).

Basic	PDLs	PDLs + Matrix Beam
		
<p>Low/High beam Auxiliary high beam Daytime running lights Dynamic AHL</p>	<p>Low beam/high beam Auxiliary high beam Daytime running lights Dynamic AHL Static cornering light Dynamic cornering light</p>	<p>Low beam/high beam Auxiliary high beam Daytime running lights Dynamic AHL Static cornering light Marker light Overtaking light</p>

1. Using GFF, verify the concern is isolated to the specified conditions described above for this issue, thus ensuring no other concerns exist.
2. Create a Pre-VAL.
3. Perform the headlight replacements with the listed parts:
 - a. Left and Right PDLs headlights
 - b. 958941572A - Power module for main light electronics LED headlight
 - c. 95890739900 - electronic control module LED module
4. Using the PIWIS tester, change the M-Code to 8IS in the MOVD and perform auto-coding in each headlight control unit.



5. Create a Post-VAL.
6. Confirm operation of the headlights and turn signals.
This ATI will be updated when a software solution has been released.

Parts notice:

As of the release of this document, PAG has restricted these parts because there is limited stock available. Porsche Centers should order VOR-PDX and be sure to check the 'Car Down' flag, where appropriate. PCNA will prioritize and release these parts orders in the sequence they are received, as stock becomes available. VOR-PDX orders utilizing the Car Down flag do not need a Parts PRMS ticket for release. Please reference this ATI.

Warranty

As always, please document the repair completely in PQIS.

For this repair, please code the "cause" as follows:

Cause location: 94710 Auxiliary headlights

Cause symptom: 1612 No Function

Use the following labor operations:

03350050	On board diagnostic
03350053	On board diagnostic. Create VAL
94155600	2 Headlights replace
94582000	2 Headlight bulbs control units remove and reinstall
94711901	Auxiliary headlights remove and reinstall
94711902	Auxiliary headlights remove and reinstall
94582552	Headlight bulb control unit program

Search Items

E3, turn signals, headlights, C11A401, Cayenne

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