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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 Head-
				lights) & 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.



AfterSales

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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	
Low/High beam	Low beam/high beam	Low beam/high beam	
Auxiliary high beam	Auxiliary high beam	Auxiliary high beam Daytime	
Daytime running	Daytime running lights	running lights Dynamic AHL	
lights Dynamic AHL	Dynamic AHL	Static cornering light	
	Static cornering light	Marker light	
	Dynamic cornering light	Overtaking light	

- 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.

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Overview	Enteroded Identifications	Failt memory	Actual values imput signals	Drive Inks checks	Mentenance repairs	Coding	8
			Function				
Vehicle handover							~
Vehicle analysis	log (VAL)						
Campaign							
Vehicle data mai	ntenance with PIV	VIS-ONLINE					
Read all fault me	mories and erase	if required					
Immobilizer com	missioning						
Component prote	ection commission	ing					
Additional function	ons of component p	protection					
Deactivate produ	ction mode						
Clear OBD fault r	nemory						
Rolling test mode							\sim
CSS ?	Feedback Commen		Deselect	67 O	Paston Lan	And Back	F12 Next

Overview	8	Extended identifications	Failt memory	Actual values input signals	Drive Inks checks	² Maintenance repairs	Coding	8	
Value group			Family			Value	Chan	g	
		LOCKABL	E WHEEL BOLT	rs	1PA - WHEE	L BOLTS STANDAR	D	~	
		LOGO SE	т		0NB - LOGO	SET IN BASIC VER	SION		
		LOUDSPE	LOUDSPEAKER INSTALLATION LUGGAGE COMPARTMENT COVER			9VL - BOSE PREMIUM SOUND SYSTEM 3U7 - REAR SHELF (FIXED LUGGAGE			
		LUGGAG							
		LUMBAR	LUMBAR SUPPORTS IN BACKRESTS			7P0 - LUMBAR SUPPORT NOT ADJUS			
			ADLIGHTS		8IS - LED HE	ADLIGHTS, PDLS	0		
			EAR PERIOD		IY1 - MODEL	YEAR PERIOD 1 (U	Р ТО		
		MULTI-FU	MULTI-FUNCTION DISPLAY NIGHT VISION SYSTEM ON-BOARD LITERATURE			9S7 - MULTI-FUNCTION DISPLAY/ON			
		NIGHT VI				9R0 - W/O NIGHT VISION SYSTEM			
		ON-BOAR				0VA - WITHOUT ON-BOARD LITERATURE			
		ONLINE S	ONLINE SERVICES			EL3 - GRAY+COLORED SERVICES			
Case and	?	Ini 💭	2	9 R	a 0	ep 1	ACC Back	SD Next	

- 5. Create a Post-VAL.
- 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.

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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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