

Message "Rain Light Sensor Faulty" In the Instrument Cluster / Fault Memory Entries for the Weather Sensor: Check and Replace Weather Sensor if Necessary (59/25)

Model Line: **Cayenne (9YA/9YB)**

Model Year: **As of 2024 up to 2025**

Concerns: **Weather sensor**

Cause: **The customer complains that the "Rain light sensor faulty" message is illuminated in the instrument cluster and that the dipped beam switches on automatically in frontal sunlight. The dimming of the displays, search lighting and ambient light is dimmed to maximum brightness.**

One or both of the following fault memory entries is stored in the front-end electronics (J519) control unit fault memory.

- **B136604** - Weather sensor (G823), defect
- **B1366F0** - Weather sensor (G823), signal implausible

As soon as the oncoming light fades, the aforementioned complaints are no longer present.

Cause: Due to incorrect calibration of the supplier and component deviations, there may occasionally be short-term failure of the weather sensor in direct frontal sunlight.

Action: If there is a customer complaint, check the weather sensor and replace if necessary.

Required parts



Information

No parts are required for checking the weather sensor.

Parts Info:	Part No.	Designation – Location of use	Quantity
	PAE955547	⇒ Sensor for detecting humidity, rain and light levels	1 piece
	9A795560920	⇒ Adhesive film – Sensor for detecting humidity, rain and light levels	1 piece

Required Tools

- Tools:
- **P90999 - PIWIS Tester 4**
 - Battery charger with a current rating of **VAS 5908 at least 90 A** and a **current and voltage-controlled charge map** for lithium starter batteries, e.g. **battery charger 90 A**. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*
 - Electric flashlight with high luminosity, commercially available
 - Plastic wedge, commercially available

Check weather sensor and replace if necessary



Information

A second mechanic is required to check the weather sensor.

- Work Procedure:
- 1 Connect and switch on the battery charger.
⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*
 - 2 Establish readiness for operation.
 - 3 Illuminate the sensor surface of the weather sensor on the windshield directly and frontally for at least 1 second using the light cone of the electric flashlight and then switch off the electric flashlight.
During this observe vehicle behavior:

The following complaints occur after 1 second of permanent exposure to light on a faulty weather sensor within the scope of this Technical Information:

- Message "Rain light sensor faulty" appears on the instrument cluster
- Dipped beam switches on
- Displays, search lighting and ambient light are dimmed to maximum brightness

Assessment		Action
(✓)	There are no complaints during exposure to light.	Continue troubleshooting in some other way. End of action.
(x)	Complaints occur during exposure to light and are no longer present after the electric torch is switched off.	Weather sensor not OK . Replacing the weather sensor. ⇒ <i>Workshop Manual '921255 Replacing weather sensor'</i> End of action.

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
92120140	Checking weather sensors	
92125540	Checking and replacing weather sensors	

PCSS encryption:

Location (FES5)	92120	Weather sensor
Damage type (SA4)	4021	signal distorted

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