

Advanced Technical Information

9YA/9YB - 'Tail Light Faulty' Warning in the Instrument Cluster

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Cayenne	2024	9YA, 9YB	N/A	N/A

Revision History

Revision	Release Date	Changes
0	January 21, 2025	Original document

Condition

The customer receives a warning message in the instrument cluster indicating that a tail light is not working. (See Figure 1.)

The workshop confirms the customer's observation along with one or more of the following Rear BCM (BCM2) fault codes:

- B16D6F2 - Outer right tail light – marker light defective
- B16D4F2 - Outer left tail light – marker light defective
- B16D7F1 - Center right tail light – LED module defective
- B16D5F1 - Center left tail light – LED module defective

Generally, however, the tail light does work as observed from outside the vehicle. The warning and faults are a false alarm.



Figure 1

Technical Background

Intermittently, in rare 'corner cases,' the tail lights' internal communication can get stuck. This condition sends an unwanted failure message to the BCM2. The BCM2 interprets this as a possible loss of tail light function, consequently records a fault, and sends a warning to the instrument cluster. If the tail lights are illuminated normally, this is a false alarm and **the driver can reset the instrument cluster warning by cycling the ignition. Note the tail lights will remain safely illuminated during the false alarm condition.**

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This false alarm fault condition is not affected by any known environmental conditions or by driver behavior, so nothing can be done to mitigate the fault circumstantially. The fault affects all currently available parts and all variants of the tail lights, therefore part replacement does not effectively solve the false alarm. **Do not exchange parts unless you observe the lights do not illuminate!**

Porsche will provide new software for the false alarm condition later this year.

Service Information

- A) **False warning.** If the warning message is present and you observe that all the tail lights are illuminated, do nothing at this time. Assure the customer that the lights are visible to others on the road.
- B) **Actual tail light outage.** If the warning is present and any of the tail lights are not illuminated, replace that tail light as usual.

PCSS Coding

As always, please document the repair completely in PCSS. For this repair, please code the “cause” as follows:

Location (FES5)	94310	Rear light
Damage type (SA4)	1611	No function

Search Items

Taillamps, taillights, rear, back, lamp, false warning, E3-PA

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