

Advanced Technical Information

Bulletin #: 2521

Part ID: 2470

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Cayenne DME P242100 – Fuel Tank Isolation Valve for Tank Ventilation System Stuck Open

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Cayenne	As of 2024 up to 2026	9YAAV1 9YABN1 9YACT1 9YBAV1 9YBBN1 9YBCT1	N/A	+OK3

Revision History

Revision	Release Date	Changes
0	August 22, 2025	Original document

Condition

The customer complains of the check engine light showing in the instrument cluster. The workshop finds DME fault P242100/P242200 - Fuel Tank, Isolation valve for tank ventilation system stuck open/closed stored in the fault memory.

Technical Background

There are two main possible causes for the subject fault codes:

- Carbon deposits from the carbon canister may impair the sealing function of the sealing membrane in the tank ventilation system
- Due to a diagnostic error, the DME may misdiagnose the fuel tank isolation valve (pressure regulator) as being stuck open or closed

Service Information

As of PT4G release 43.600.000 (August 11, 2025), there is a DME software update available to address the aforementioned diagnostic error.

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1. Create a VAL to document the initial DME software version and the presence of the subject fault codes.
2. Perform automatic programming of the DME. Note the target software information below.

Variant	Model Year	Target Porsche Part Number	Target DME SW Version
E3PA Base E-Hybrid (9YAAV1/9YBAV1)	2024, 2025, 2026	9Y0906016H	0002
E3PA S E-Hybrid (9YABN1/9YBBN1)	2024, 2025, 2026	9Y0906006L	0002
E3PA Turbo E-Hybrid (9YACT1/9YBCT1)	2024	9Y0906023G	0003
	2025, 2026	9Y0906023M	0002

3. If the fault codes persist after the vehicle has received the latest DME software version, please continue with other diagnosis as instructed in *TI 10/25 Malfunction Indicator Light Active / Fault Memory Entry "P242100" or "P242200" in DME Control Unit: Observe Guided Troubleshooting*.

Warranty

Please use the following labor operations. Additional labor operations may be claimed **only as needed**.

APOS	Labor operation	I No.
24702550	DME control unit program	

PCSS encryption:

Location (FES5)	24700	DME control unit
Damage type (SA4)	1134	Programming error

Search Items

Cayenne, Fuel Tank, Ventilation, Isolation Valve, 9YA, 9YB, Pressure regulator, DME, P242100, P242200

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