

**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.

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

**Important Notice:** Technical Bulletins issued by Porsche Cars North America, Inc. are intended only for use by professional automotive technicians who have attended Porsche service training courses. They are written to inform those technicians of conditions that may occur on some Porsche vehicles, or to provide information that could assist in the proper servicing of a vehicle. Porsche special tools may be necessary in order to perform certain operations identified in these bulletins. Use of tools and procedures other than those Porsche recommends in these bulletins may be detrimental to the safe operation of your vehicle, and may endanger the people working on it. Properly trained Porsche technicians have the equipment, tools, safety instructions, and know-how to do the job properly and safely. Part numbers listed in these bulletins are for reference only. The work procedures updated electronically in the Porsche PIWIS diagnostic and testing device take precedence and, in the event of a discrepancy, the work procedures in the PIWIS Tester are the ones that must be followed.