

Technical Information

Service

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Malfunction Indicator Light Active / Fault Memory Entry "P242100" or "P242200" in DME Control Unit: Observe Guided Troubleshooting (10 / 25)

Model Line: **Panamera (971)**

Panamera (YAA)

Cayenne (9YA / 9YB)

Model Year: **As of 2017 up to 2025**

Equipment: Hybrid drive system PHEV (**M-No. 0K3**)

Concerns: **Fuel tank pressure regulator**

Cause: **The customer complains about an active malfunction indicator light.**

One of the following two fault memory entries is stored in the DME control unit fault memory:

- **P242100** - Fuel tank isolation valve for fuel tank ventilation system jammed open
- **P242200** - Fuel tank isolation valve for fuel tank ventilation system jammed closed

The pressure regulator and various other components of the tank vent are then replaced.

Action: In the event of a customer complaint, always process the above-mentioned fault memory entries using the guided troubleshooting (GFS).

**Information**

With the publication of this technical information, the guided troubleshooting was adjusted with regard to the specified fault memory entries in order to prevent fault / repeat repairs.

This contains the following steps:

- For MY24+ vehicles: If no issues are found via the above checks or the steps in guided troubleshooting, analysis has shown that a weak DMTL may contribute to the FTIV fault codes. As a last step, replacing the DMTL with a new part may increase the robustness of the fuel tank ventilation system.
- First check for other relevant fault memory entries
- Check for proper function of the Fuel Tank Isolation Valve (FTIV/pressure regulator) via the "Activation of fuel tank isolation valve" Drive links within the DME.
- Check for proper function of the tank vent valves (TEV) via the "Activation of the tank vent valve" Drive links within the DME. The TEV can also be checked for leaks with a smoke tester and/or with soapy water applied to the exterior of the inlet and outlet hoses.
- Check for proper function of the tank leakage diagnosis pump (DMTL) via the "Activation of DMTL pump" and "Activation of DMTL change-over valve" Drive links within the DME.

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