

Cayenne (E3.I) - GTS & Turbo Low Fuel Pressure

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Cayenne	2021	9YABG1 9YACF1 9YBBG1 9YBCF1	N/A	N/A

Revision History

Revision	Release Date	Changes
0	October 11, 2023	Original document
1	January 4, 2024	Update of Service Information & Warranty

Condition

The customer complains of an activated check engine light, sometimes in combination with a reduction of engine power. The fault memory of the DME control unit contains the fault codes P014800 (Fuel Delivery Error) and P310B00 (High Pressure Fuel System, Bank 2, Pressure).

Technical Background

These faults can result from the low-pressure fuel system operating outside its pressure tolerances. In the 3D model, there is a clearance of approximately 19 mm (See Figure 1). It is possible for the component to vibrate over time, which could lead to the fuel line to be damaged, causing a leak in the fuel line (See Figure 2).



Figure 1



Figure 2

Service Information

In cases with the above mentioned faults, please remove and replace the fuel tank and low pressure fuel pump in accordance with the information in the table below.

Part	Part number	Workshop Manual
Fuel Tank	PAB201060F	WM, 201019 Removing and installing fuel tank
Low-Pressure Fuel Pump	PAB919087G	WM, 206619 Removing and installing fuel pump

NOTE: Please drain any residual fuel from the fuel tank and leave the fuel pump inside the fuel tank.

Warranty

For documentation and warranty invoicing, enter the working position and PCSS encryption specified below in the warranty claim:

APOS	Labor operation	I No.
03350050	On board diagnostic - Fault memory reading out	
03350053	On board diagnostic – Create VAL	
20105550	Fuel tank remove and reinstall	
20661950	Fuel pump remove and reinstall	

PCSS encryption:

Location (FES5)	20660	Fuel Pump
Damage type (SA4)	5000	Pressure too low

Search Items

Fuel Tank, Fuel Pressure, DME, P310B00, P014800

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