

Macan (PA) GTS – Check Engine Warning for Lean Fuel Mixture Error(s)

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Macan	2020 - 2021	95BBL1	N/A	N/A

Revision History

Revision	Release Date	Changes
0	March 5, 2021	Original document

Condition

Active instrument cluster faults for engine control warnings (00A016) occur in the wake of DME error entries **P0174(1)00_004083(1AB)- 'Mixture formation, bank 2(1) – too lean.**" One or both of these errors are possible. Furthermore, these faults occur commonly under the following engine and environmental conditions:

- Low RPM (≤ 2000 1/min)
- Closely approaching, or already warm engine and oil temperatures (≈ 90 °C water; > 40 °C oil)Low to mid 'calculated' engine load (20-50%)
- Vehicle Speed < 100 km/h (60 mph)
- In the majority of occurrences, the diagnostic responsible for the fault occurs at an altitude of approximately 4500 feet, corresponding to an ambient air pressure of 861 mbar.

Technical Background

The diagnostic responsible for these faults is under analysis. If at least four of the five aforementioned conditions from the fault's environmental data exist, then consider the vehicle to exhibit this diagnostic phenomenon.

Additional Information

Porsche is aware of this fault and actively investigating it. There is no indication this diagnostic error is damaging to the vehicle. Though less likely, this fault can reoccur, but there is no need to alter driving habits.

Service Information

After recording a Vehicle Analysis Log (VAL), delete the fault memory log and drive to ensure there are no further errors. If a vehicle exhibits the diagnostic error described herein, there is no need to replace any parts at this time. As soon as more information and a means for resolution is available, this bulletin will update accordingly.

Warranty

As always, please document the case completely in PQIS.

Use the following troubleshooting labor operation:

03350000 On board diagnostic (Main work) Fault memory read out

03350053 On board diagnostic (Composite) VAL

For this repair, please code the "cause" as follows:

Cause location: 24700 DME control unit

Cause symptom: 4028 Reacts to Faults

Search Items

95BBL1; 95B.II; P017400_004083; P017100_0041AB- 'Mixture formation, bank 2, bank 1 – too lean';
Macan PA –GTS , 2.9 liter V6 bi-turbo; fuel trim; altitude

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