

Macan III R4 – Engine Runs Rough After Refueling

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Macan	As of 2022 up 2024	95BAU1 95BAN1	All	N/A

Revision History

Revision	Release Date	Changes
0	March 29, 2024	Original document
1	July 29, 2024	Update of PartID, Vehicles Affected, Condition, Technical Background, Service Information and Warranty

Condition

The customer states that the vehicle runs rough or idles rough. The condition is especially noticeable after refueling or sitting in hot weather for an extended period of time.

Technical Background

There is a possibility that the intake manifold was not manufactured according to the specifications on 4-cylinder Macan vehicles. As a result, the fuel tank and crankcase vapors vented into the intake may not be evenly distributed between all of the cylinders during the carbon canister purging operation.

The workshop may find misfire faults stored in the DME. Cylinder 1 is predominantly affected in such cases, although misfire faults may also be found on other cylinders.

Service Information

1. Remove the intake manifold and inspect for signs of manufacturing errors.
--> The inlet for the cleaned blow-by gasses from the oil separator to the intake manifold should be completely open. See the below image for an example of a blocked (incorrect) inlet. Be sure to take picture documentation of all findings.



Figure 1

2. If the intake manifold exhibits the blocked inlet(s), please replace the intake manifold => WM 244619 - *Removing and installing intake-air distributor.*
3. If the intake manifold appears to be manufactured to specification, or if the rough running condition persists after replacing the intake manifold, please continue with other diagnosis.

Warranty

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

APOS	Labor operation	I No.
24461940	Intake-air distributor	

PCSS encryption:

Location (FES5)	24460	Intake-air distributor
Damage type (SA4)	1631	Blocked

Search Items

Macan, Fuel, Misfire, Shaking, Rough, Vibrating, Jerking, tank, tank vent, carbon canister

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