

Complaint - Engine Faults (Knocking/Tapping Combustion) Under Loads: Checking Engine for Carbon Deposits (17/18)

Change overview

Release	Date	Change
0	02/13/2018	• First publication
1	07/02/2019	• Under Invoicing, Dam 3015 Dirty was changed to 1117 Misfiring, Jerking
2	06/28/2024	• Information on cleaning method added

Model Line: **Panamera (970 / 971)**
Macan (95B)
Cayenne (92A / 9YA)



Information

Please note that this Technical Information (TI) may only be used for the above-mentioned series.

Model Year: **As of 2010**

Concerns: **Intake valves and intake ports**

Cause: **Coked-up valves in the engine can be reworked and cleaned using cleaning equipment.**

In the event of **complaints about engine faults** (knocking/tapping combustion during acceleration at high loads, for example), **the condition of the intake valves and ports must be checked during diagnostics/troubleshooting before doing any other work.**

If the **check shows** that the **intake valves and intake ports are coked up with carbon deposits** and are dirty, they must be cleaned using the **cleaning unit**.

There should be no need to replace the components.

Date of introduction: The **cleaning unit** can be ordered immediately for dealers.

Action: The **cleaning unit** is used for cleaning coked-up intake valves and intake ports.

Compressed air is used to spray a special granulate mixture into the intake port, where it loosens and removes coking.

The dirty granulate is extracted during spraying using an industrial vacuum cleaner.

Instructions for use can be found in the operating instructions of the cleaning unit:

- Access the intake valves and ports via the intake-air distributor.
- When working on the intake valves and ports using the cleaning unit, make sure that the intake valves into the respective combustion chamber are closed ⇒ ignition TDC.



Information

When cleaning the inlet valves and inlet ducts, only walnut granules in conjunction with tools VAS 294 011 or VAS 294 011 A are permitted as blasting material.

The use of cleaning equipment with dry ice is prohibited.

- Tool:
- Cleaning device, VAS 294 011 - cleaning device or VAS 294 011 A - cleaning device
 - Walnut granules, e.g., VAS 294 011/8 - granules

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Location (FES5)	10010	Engine
Damage type (SA4)	1117	Misfiring, jerking

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