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# TECHNICAL REPORT

Assembly of valve cover gasket  
for PSA engines type WJY



## PURPOSE

To report about **how to assemble valve cover gasket in PSA WJY** type engines, whose difference from other engines, is on the bottom side of the valve cover, where the usual gasket is not assembled.

## INTRODUCTION

**PSA DW8 engines 1868 cc use a gasket for the upper side** and another one **for the bottom side**. When there is a leak, the situation in the engine is similar to the following image.

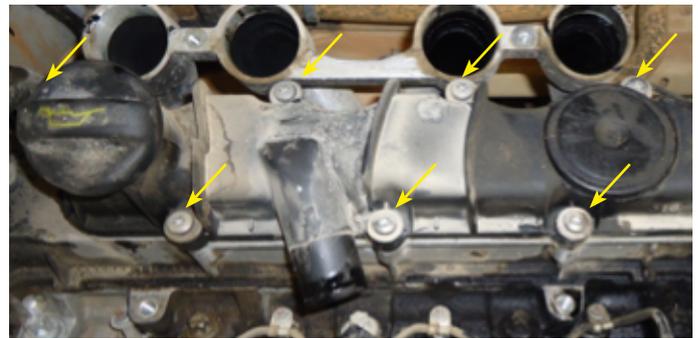
This type of engines has a **variation known as DW8B (WJY)** where there are some differences, and this is because on the bottom side of the cylinder head there is no groove to assembly a conventional gasket.

For this reason, to assemble this type of valve covers, **AJUSIL sealant is required**.



## DISASSEMBLY

- **Remove all the necessary parts** of the engine **until you can reach to the 8 screws** that fix the valve cover.
- Once the plastic cover has been removed, **loosen the 3 bolts** that fix the valve cover.
- **Remove any rest of a previous sealant** both from the valve cover and cylinder head and clean the work area.



## ASSEMBLY

- **Apply sealant (AJUSIL) in a uniform cord** on the bottom side of the valve cover.



- **Place the cover on the cylinder head before the sealant begins to reticulate**, this is 10-15 min for AJUSIL. Do not touch any other cord that may damage the cord. The assembly of the valve cover on the cylinder head must be done in one only time.

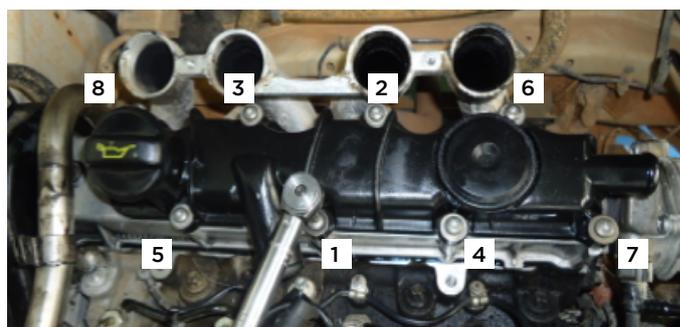


- **Tighten the 3 screws to fix the valve cover** with a torque wrench (2 kg/m) and the sequence beginning from the central screw, then the left one (distribution side) and finally the right one

- **Place the upper gasket on the valve cover.** Do not apply sealant.



- **Tighten the 8 bolts of the cover.** Use a torque wrench to apply 0,5 kg. The sequence must begin in the central screw and continue in "X" form outwards.



- **Assemble the rest of elements** removed in the reverse order to disassembly.

## RECOMMENDATIONS

**Clean and do not leave any elements near the valve cover** in order to avoid objects from falling in the camshaft housing.

**Apply sealant (AJUSIL)** on the clean surfaces, **in a well-ventilated place** and wearing right clothing.

**Check the screws** and housings before tightening.

**Verify** with the engine turned on **that there are no leaks.**