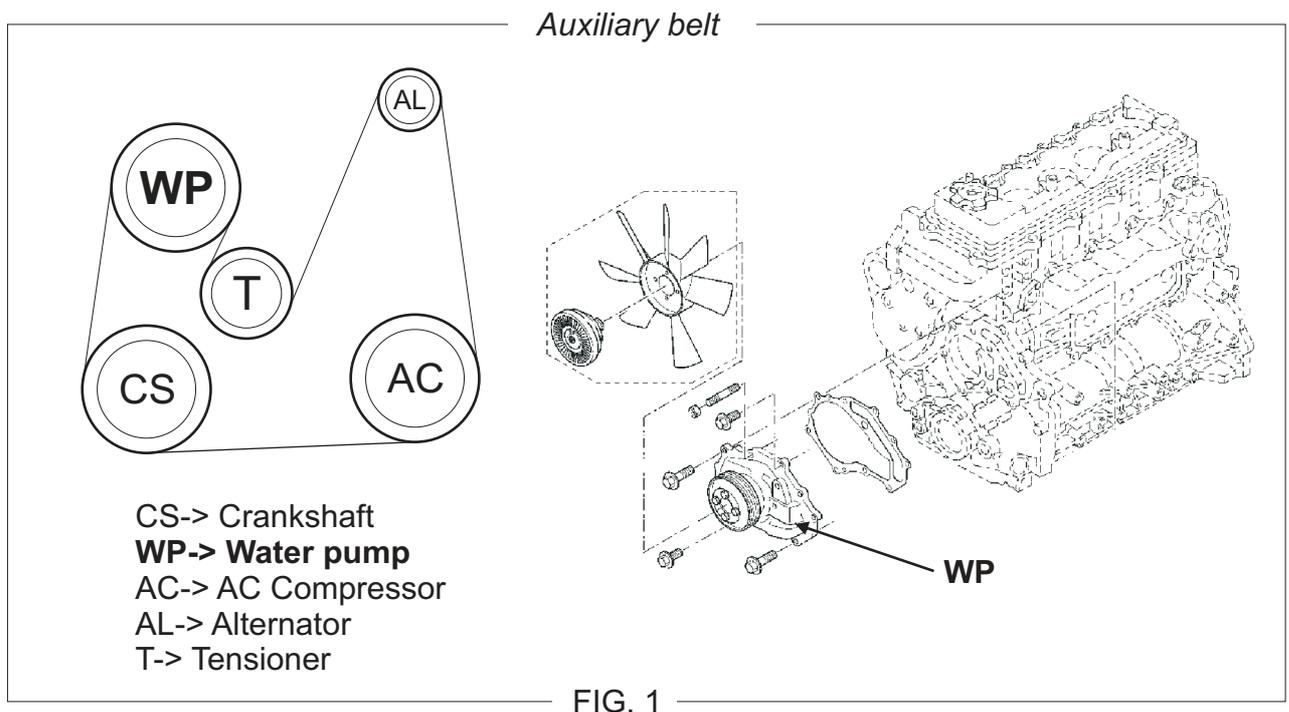


TECHNICAL INFORMATIONPart Number: **2072****Renault Master '03 (III) - 3.0 dCi engine (ZD3 600)****How to remove Auxiliary belt and change Water pump**

Auxiliary belt replacement interval: every 160.000 km.

Specific tools:

- It is not necessary.

Disassembly

The first steps, the most common for vehicles, are to disconnect the battery and dismount all necessary components to gain access to water pump, for example, the right front wheel, wheel arch, motor bracket, plastic covers,...

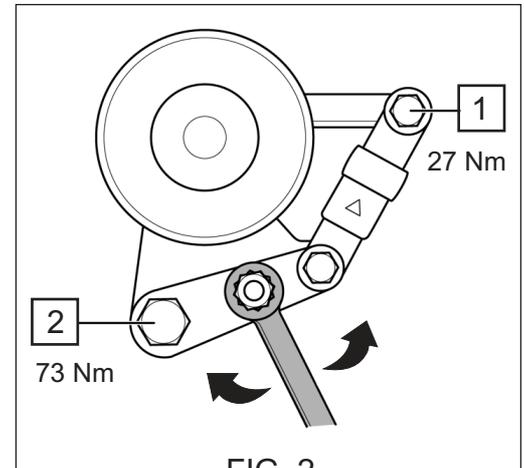
Each vehicle may have fewer or more components to dismount, wich are specified in the vehicle repair manuals.

- ① The next step is to drain the coolant circuit.
- ② Dismount the fan clutch and the fan to gain access to water pump [FIG. 1].

TECHNICAL INFORMATION

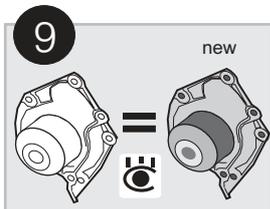
Disassembly (continuation)

- 3 Turn the tensioner anticlockwise to remove auxiliary belt [FIG. 2].
- 4 Remove auxiliary belt [FIG. 1].
- 5 Loosen the bolts (1 y 2) [FIG. 2] and remove the tensioner [FIG. 2].
- 6 Dismount the water pump pulley.
- 7 Remove the water pump [FIG. 1].



AIRTEX. RECOMMENDS:

- 8 Clean the coolant circuit and replace the tensioner and auxiliary belt.



Assembly

- 1 Fit Airtex water pump to tightening torque (26 Nm). Then, fit water pump pulley.
- 2 Fit the tensioner and tighten the bolts (1 y 2) [FIG. 2] to tightening torque.
- 3 Turn the tensioner anticlockwise to fit the auxiliary belt. Then, let the tensioner works on the belt [FIG. 2].
- 4 Proceed with the rest of the assembly.

Please Note: Fill up the coolant circuit with a suitable coolant and antifreeze before switching on the engine.

AIRTEX. RECOMMENDS:

