

TECHNICAL INFORMATION SHEET

PART NUMBER: 1955

Peugeot 508 - 2.0 HDi engine (DW10CTED4 RHH)

Timing belt

22. Water pump

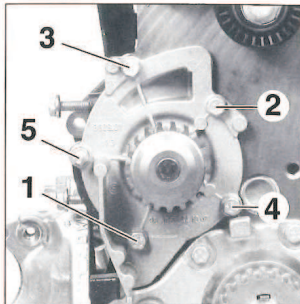
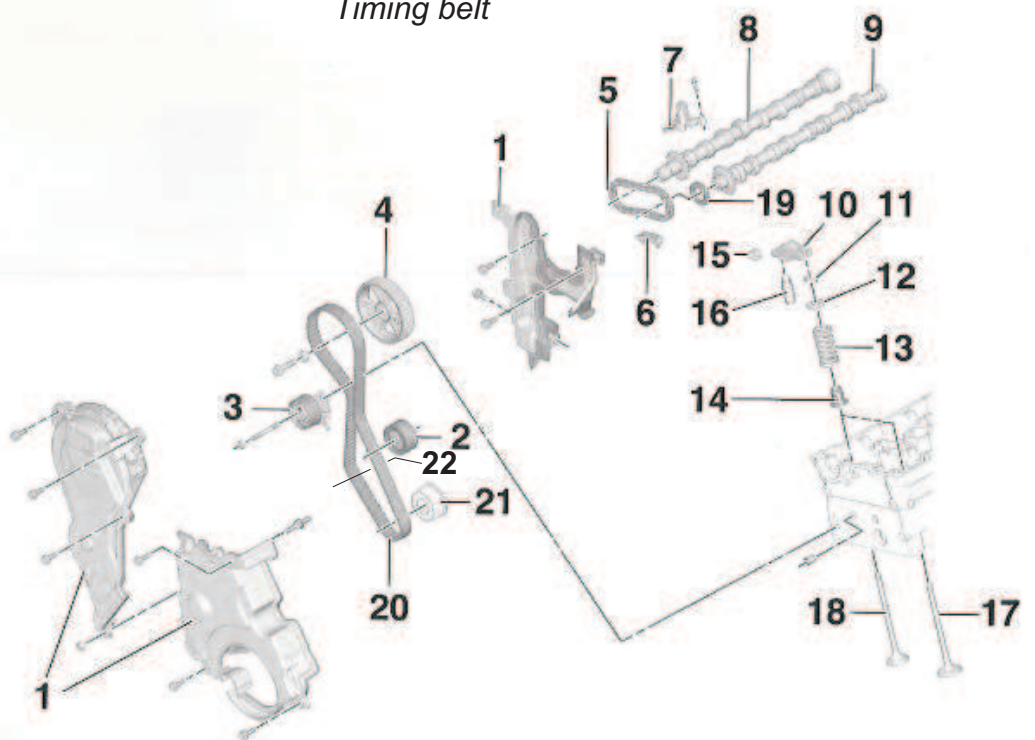


FIG. 1

Tightening torque

16 Nm

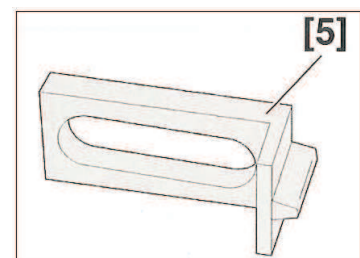
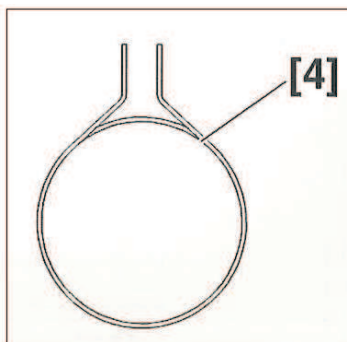
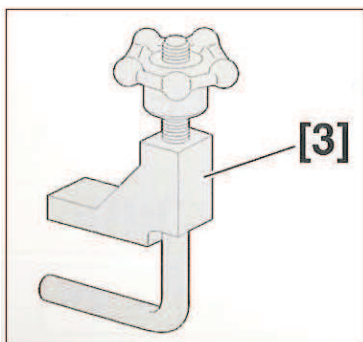
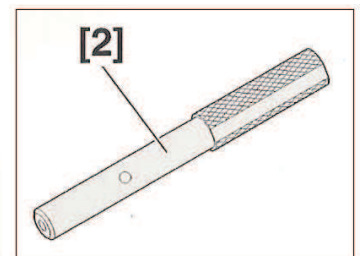
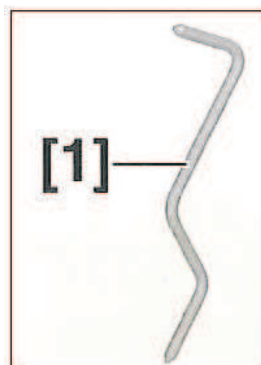


Replacement of the Timing belt and Water pump

Replacement interval: every 180.000 km or 10 years.

Specific tools:

- Lock pin for the engine flywheel (1).
- Lock pin for the camshaft pulley (2).
- Specific tool to lock the timing belt (3).
- Lock pin for the crankshaft pulley (4).
- Specific tool to lock the engine flywheel (5).



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Disassembly

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

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

- 1 The next step is to drain the coolant circuit and turn the crankshaft until cylinder n°1 is positioned at TDC.
- 2 Mount:
 - Lock pin for the camshaft pulley (2) [FIG. 2].
 - Lock pin for the engine flywheel (1) [FIG. 2].
 - The specific tool to lock the engine flywheel (5).
 - Lock pin for the crankshaft pulley (4) [FIG. 2].
- 3 Loosen the tensioner nut and turn the tensioner clockwise to dismount the timing belt. Then, dismount the water pump.

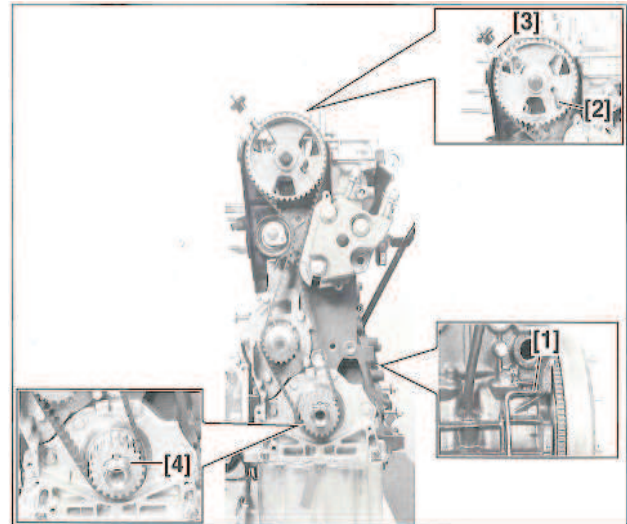
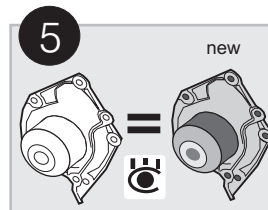


FIG. 2

AIRTEX RECOMMENDS:

- 4 Clean the coolant circuit and replace all belt drive components.

NOTE: Pay attention to the tightening torque sequence [FIG. 1]



Assembly

- 1 Mount the timing belt at camshaft pulley and place the specific tool (3) [FIG. 2]. Then, mount the timing belt following the timing belt scheme and dismount the specific tool.
- 2 Turn the tensioner counterclockwise until the mobile indicator (17) [FIG. 3] is aligned with the mark (18 - fully tensed position) [FIG. 3] and then, tighten the tensioner bolt.
- 3 Dismount the specific tools and rotate the crankshaft turning it 4 times. Then, mount the specific tools again to check the correct assembly.
- 4 Loosen the tensioner bolt and turn the tensioner until the mobile indicator (17) [FIG. 4] is aligned with the mark (18 - nominal position) [FIG. 4].
- 5 Proceed with the rest of the assembly.

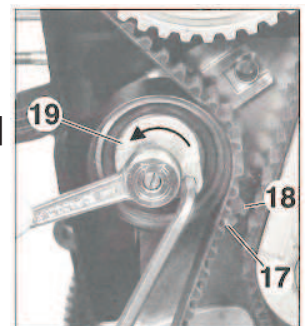


FIG. 3

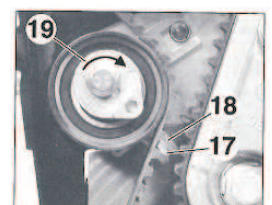


FIG. 4

AIRTEX RECOMMENDS:

NOTE: Fill up the coolant circuit with antifreeze liquid before switching the engine.

