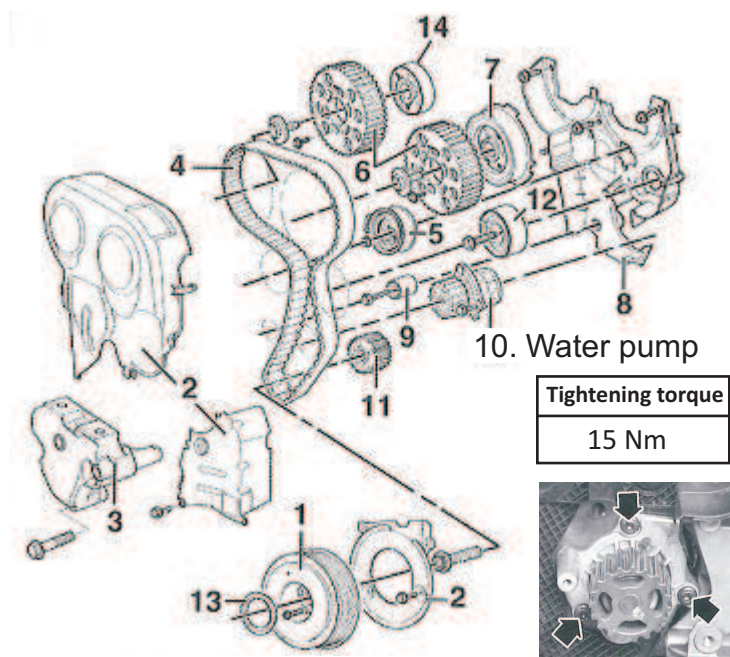


TECHNICAL INFORMATION SHEET

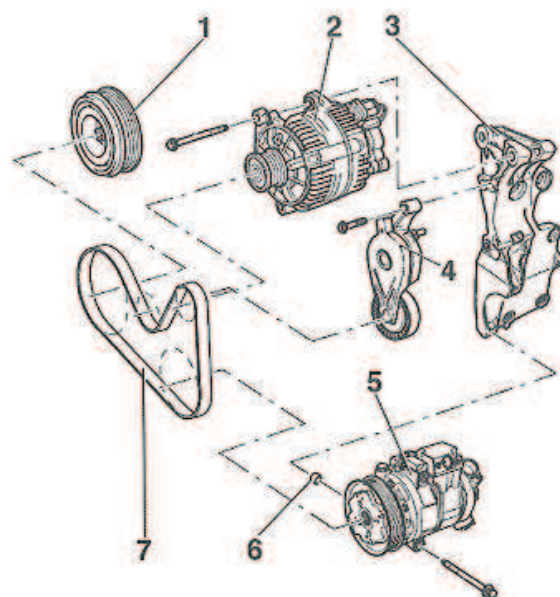
PART NUMBER: **1998**

Volkswagen Touran - 2.0 TDi engine (AZV / BKD)

Timing belt



Auxiliary belt



Replacement of the Timing belt and Water pump

Replacement interval: every 120.000 km.

Specific tools:

- Specific tool to lock the crankshaft [FIG. 1] (A)
- Lock pins for the camshaft [FIG. 1] (B)
- Lever for the tensioner [FIG. 2] (C)
- Lock pin for the tensioner Ø3 x 50mm. [FIG. 2] (D)

NOTE: There are two specific types of locks for crankshaft pulley, "circular" and "oval" [FIG. 3].

FIG. 1

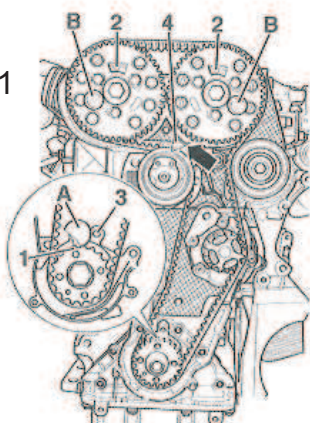


FIG. 2

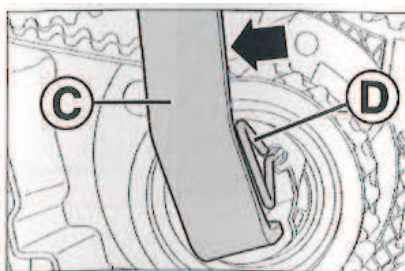
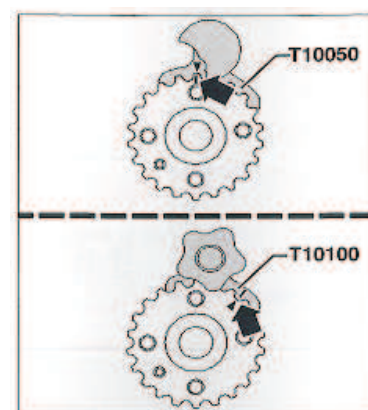


FIG. 3



TECHNICAL INFORMATION SHEET

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 Place the specific tool [FIG. 1] (A) coinciding the reference marks (1) and then, turn the crankshaft until the specific tool shaft is placed on the engine block housing (3).
- ③ Place the lock pins [FIG. 1] (B) and loosen the bolts of the camshaft pulleys until they can turn.
- ④ Loosen tensioner nut and turn the tensioner counterclockwise until your able to place the lock pin [FIG. 2] (D).
- ⑤ Dismount timing belt and water pump.

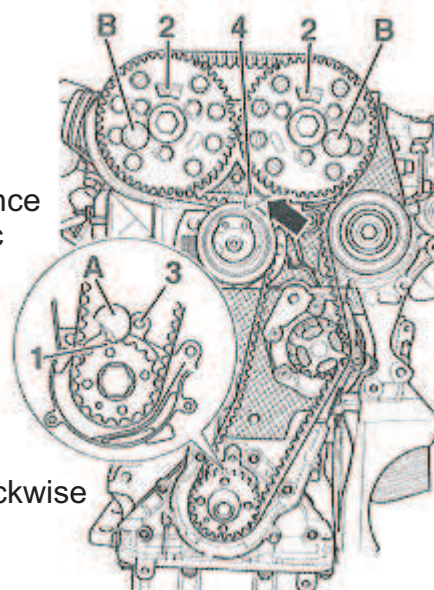
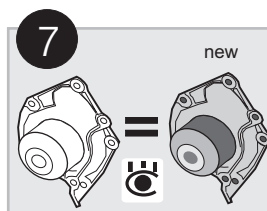


FIG. 1

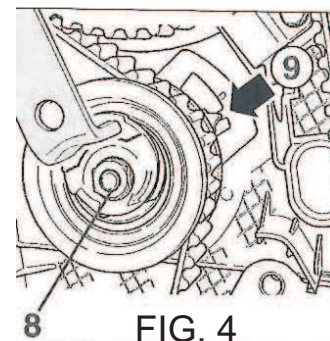
AIRTEX RECOMMENDS:

- ⑥ Clean the coolant circuit and replace all belt drive components.



Assembly

- ① Turn camshaft pulleys clockwise until right stop. Then, mount timing belt starting at crankshaft pulley.
- ② Rotate the tensioner counterclockwise to remove the lock pin. After, turn it clockwise until the mobile indicator is aligned with the groove [FIG. 4] (9) and tighten the nut.
- ③ Turn camshaft pulleys counterclockwise until it is fully and completely tensed, then tighten the bolts. Next, remove the specific tools [FIG. 1] (A and B) and rotate the crankshaft turning it 4 times. Then, mount the specific tools again to check the correct assembly.
- ④ Proceed with the rest of the assembly.



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

AIRTEX RECOMMENDS:

