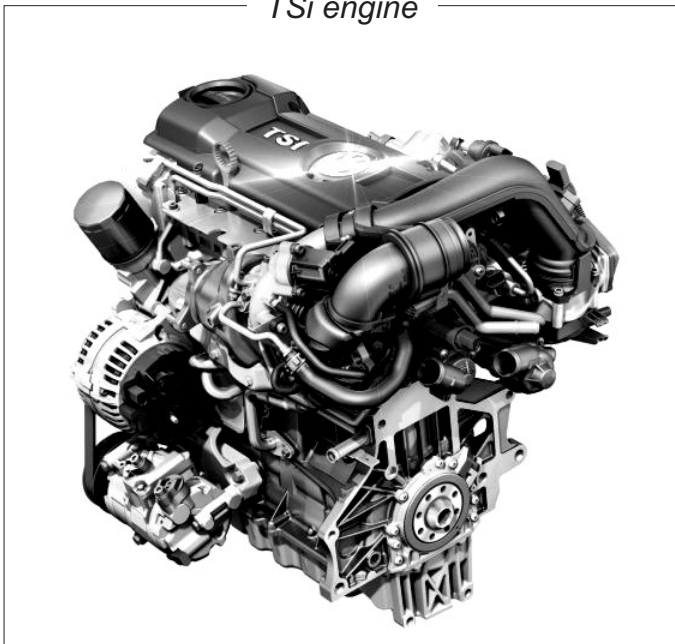


TECHNICAL INFORMATION

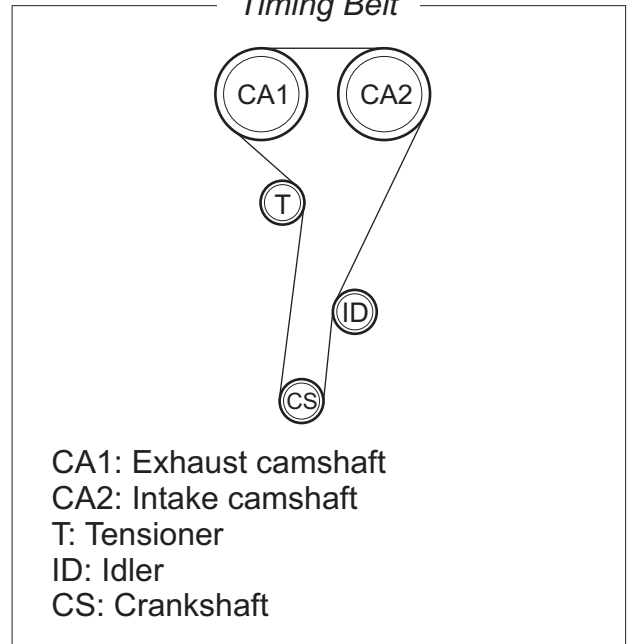
Part Number: **1995**

Audi A3 '12 - 1.2 TFSi (CJZA)

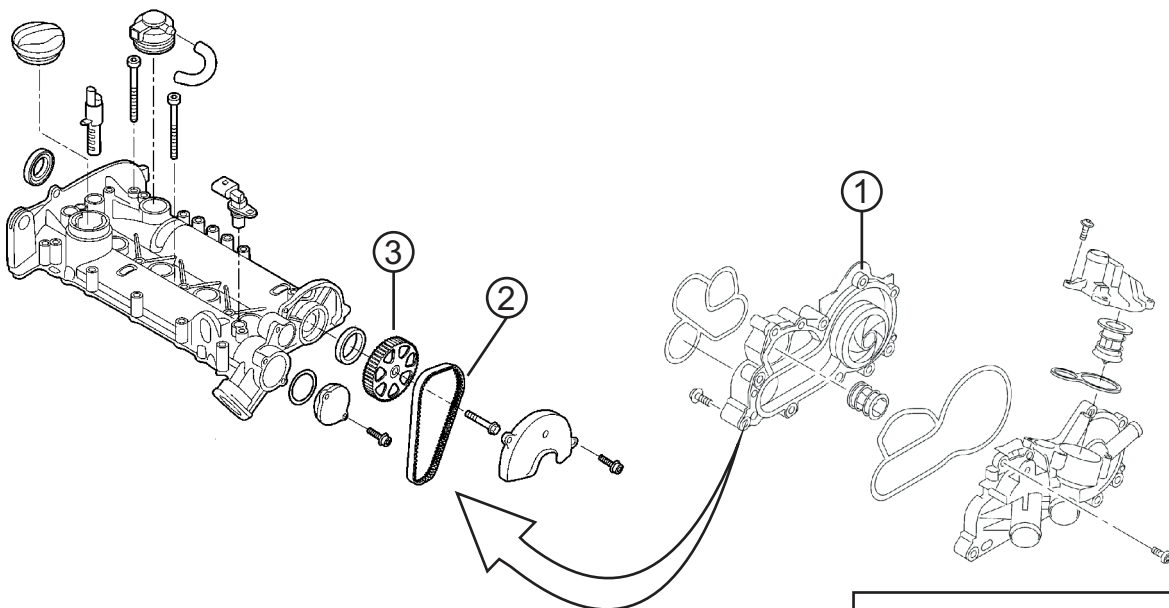
TSi engine



Timing Belt



The water pump (1), is driven by belt (2) through rear pulley of the exhaust camshaft (3).



Specific tools:

- Crankshaft lock tool (1) [FIG. 1].
- Camshafts alignment tool (2) [FIG. 1].

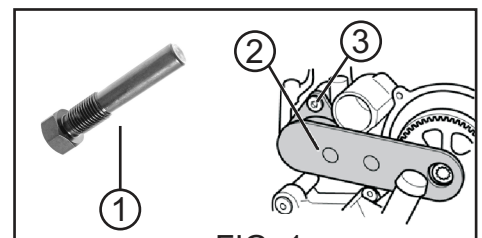


FIG. 1

TECHNICAL INFORMATION

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 top engine cover, lower engine cover, air filter hose,...

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 dismount the intake camshaft rear cover (1) [FIG. 2].
- 2 Dismount all necessary components to gain access to water pump cover (2) [FIG. 2]. Then, remove the water pump cover.
- 3 Turn the crankshaft until cylinder n°1 is positioned at TDC and mount the crankshaft lock tool [FIG. 3].
- 4 Turn crankshaft slowly clockwise until abuts with the lock tool.
- 5 Make sure the rear area position of the camshafts are aligned as picture show [FIG. 4].
- 6 Remove water pump coolant hoses. Then, dismount water pump bolts in the order that picture show [FIG. 5].

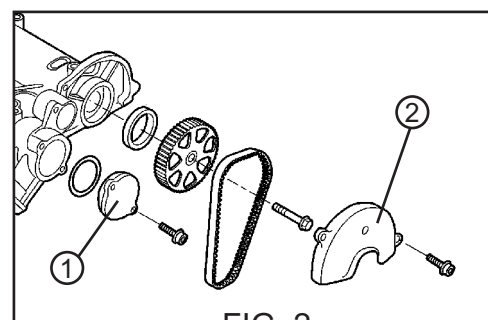


FIG. 2

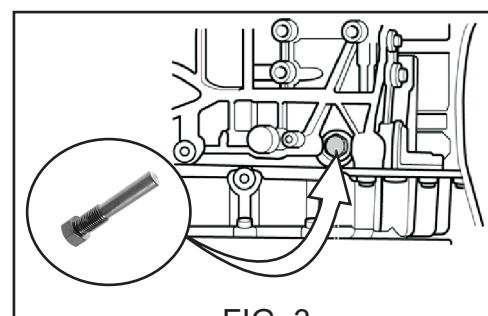


FIG. 3

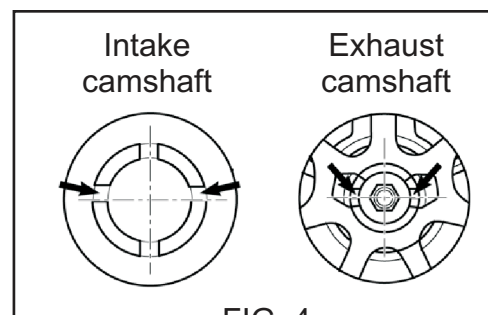


FIG. 4

AIRTEX. RECOMMENDS:

- 7 Clean the coolant circuit and replace the water pump belt.

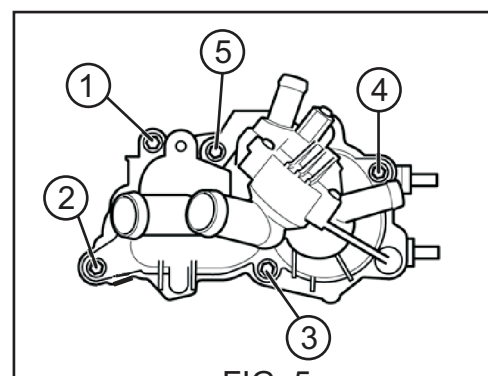
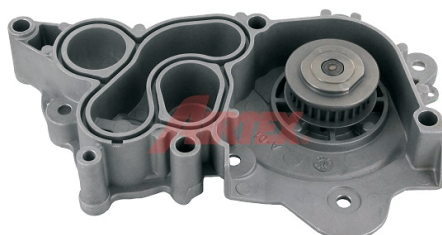
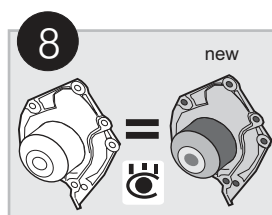


FIG. 5

TECHNICAL INFORMATION**Assembly**

- ① Make sure the rear area position of the camshafts are aligned as picture show [FIG. 4].
- ② Fit the water pump belt in the exhaust camshaft rear pulley.
- ③ Mount the camshafts alignment tool (2) [FIG. 1] and tighten the bolt (3) [FIG. 1].
- ④ Mount the belt in the water pump pulley and fit them to the engine.

- ⑤ Tighten water pump bolts in the right order:

1st Step: Tighten water pump bolts with a 10 Nm tightening torque, in the order that picture show [FIG. 6].

2nd Step: Loosen the bolts one full turn.

3rd Step: Turn clockwise the water pump with a 30 Nm tightening torque through the hexagonal hole (A) [FIG. 6] with an allen key.

4th Step: Tighten water pump bolts 2, 1 and 5 [FIG. 6] with a 10 Nm tightening torque.

5th Step: Leave to apply the tightening torque to the water pump (A) [FIG. 6].

6th Step: Tighten water pump bolts 3, 4, 5, 1 and 2 [FIG. 6] with a 12 Nm tightening torque.

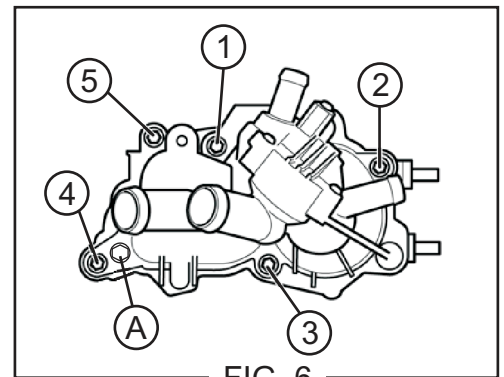


FIG. 6

- ⑥ Remove specific tools (1) and (2) [FIG. 1].
- ⑦ Proceed with the rest of the assembly.

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

AIRTEX. RECOMMENDS:

