

TECHNICAL INFORMATION SHEET

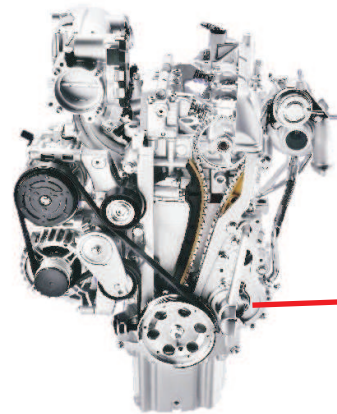
PART NUMBER: 1967

Fiat 500L - 0.9 engine (199B6.000)

Technical data:

- The engine has timing chain.
- The auxiliary belt is used only to drive the alternator and the AC compressor.
- The water pump is driven by a balancer shaft.

Auxiliary belt diagram



Water pump

The balancer shaft is driven by the crankshaft through gears. At the other end of the balancer shaft is mounted the water pump [FIG. 1 and 2].

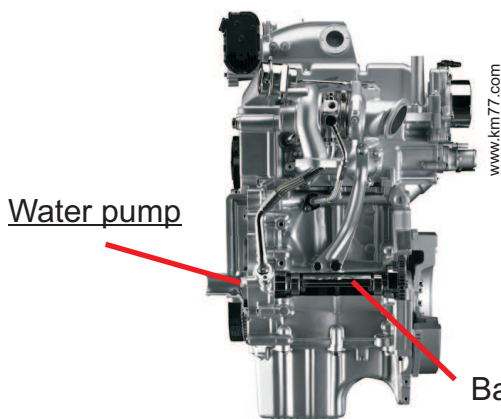


FIG. 1

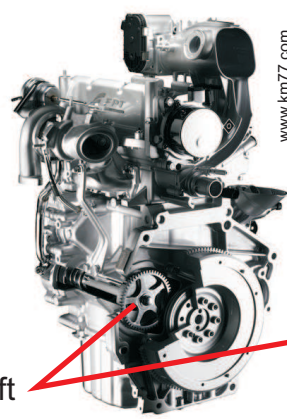
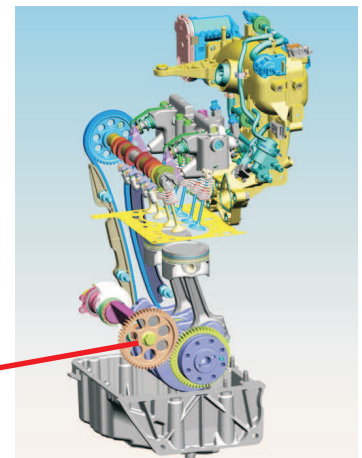
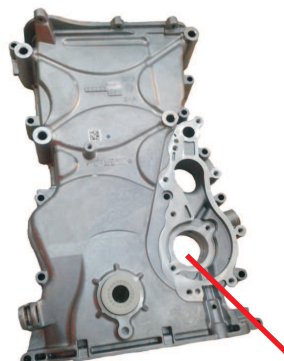


FIG. 2



The water pump and the water pump cover are fixed to the timing chain cover [FIG. 3].

Timing chain cover



Water pump cover



Cavity for the water pump

FIG. 3

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Replacement of the Timing belt and Water pump

Auxiliary belt replacement interval: every 120.000 km.

Disassembly

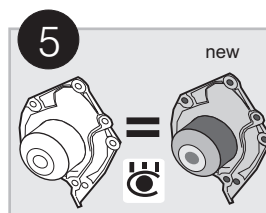
The first steps, the most common for vehicles, are to disconnect the battery and dismount all necessary components to gain access to auxiliary belt, for example, the right front wheel, wheel arch, motor bracket, plastic covers,...

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

- 1 Turn the tensioner to dismount the auxiliary belt.
- 2 Dismount crankshaft pulley to gain access to water pump cover.
- 3 Drain the coolant circuit and dismount the water pump cover. Then, dismount the water pump.

AIRTEX RECOMMENDS:

- 4 Clean the coolant circuit.



Assembly

- 1 Make sure that the water pump is mounted correctly. Then, mount the water pump cover.
- 2 Mount the crankshaft pulley. If it's necessary, replace the auxiliary belt, tensioner and idler. After, mount the the auxiliary belt.
- 3 Proceed with the rest of the assembly.

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

AIRTEX RECOMMENDS:

