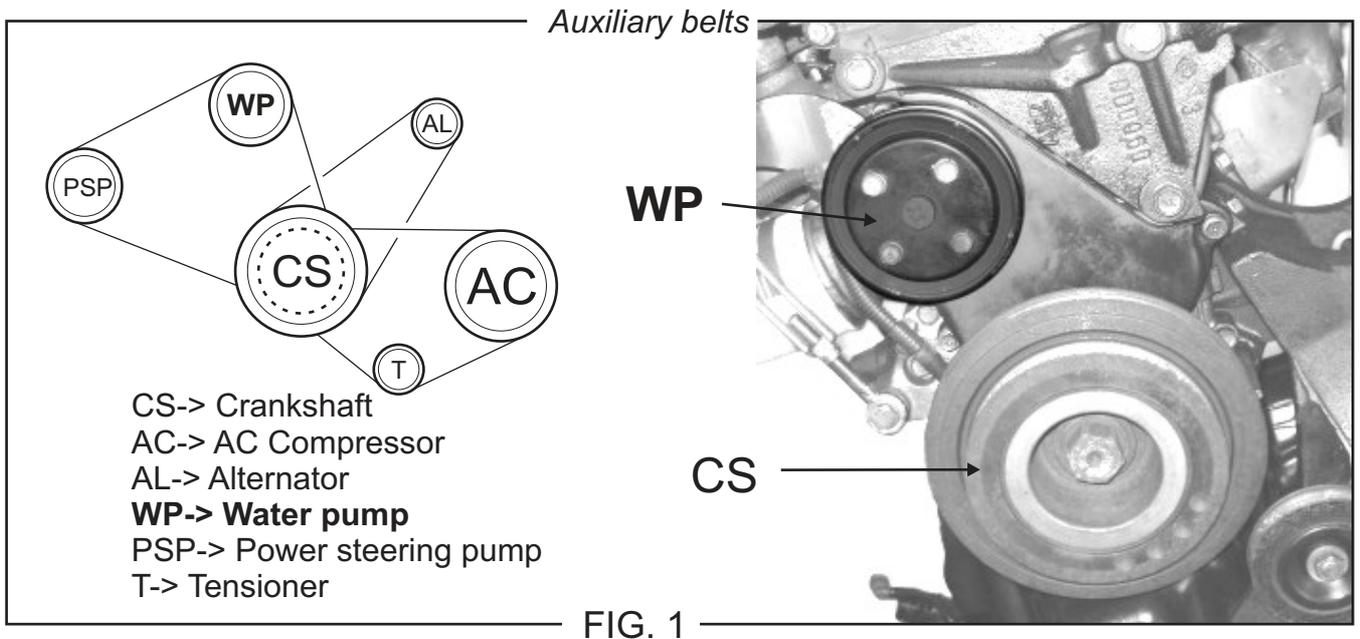


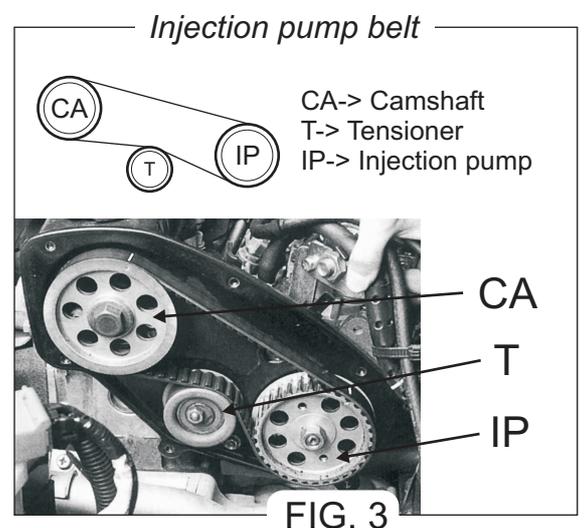
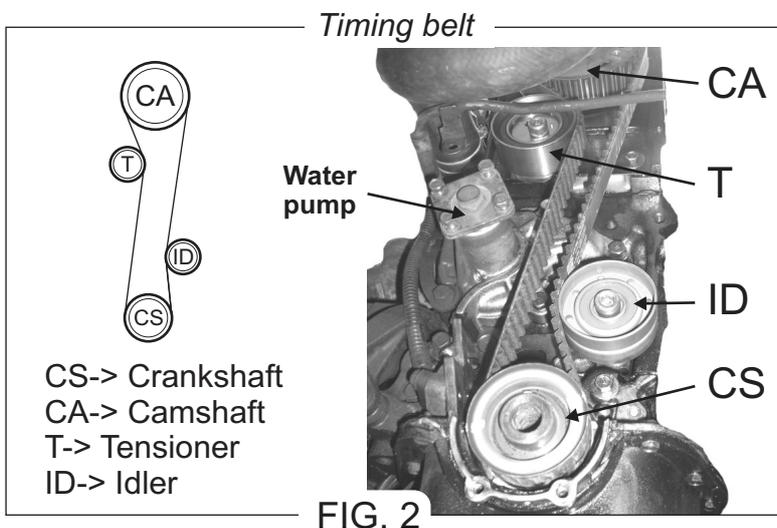
TECHNICAL INFORMATION

Part Number: **2066**

Nissan Primera - 2.0 D engine (CD20)



Please Note: The water pump is driven by auxiliary belt [FIG. 1], but it is necessary to remove the timing belt [FIG. 2] to replace the water pump.



How to remove the Timing belt and Change Water pump

Timing belt and Water pump replacement interval: every 90.000 km.

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 right front wheel, wheel arch, auxiliary belts, 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 loosen the water pump pulley bolts [FIG. 4].
- ② Loosen the power steering pump lower bolt and the tension adjusting plate bolt to remove the water pump belt [FIG. 1].
- ③ Make the same to remove the alternator and AC compressor belts. Then, dismount the auxiliary belts [FIG. 1] and remove the water pump pulley [FIG. 4].
- ④ Dismount the timing belt covers and turn the crankshaft until cylinder n°1 is positioned at TDC, then check timing marks are aligned [FIG. 5]. Next, dismount crankshaft pulley.
- ⑤ Loosen tensioner bolt and remove timing belt [FIG. 2].
- ⑥ Dismount the water pump [FIG. 6].

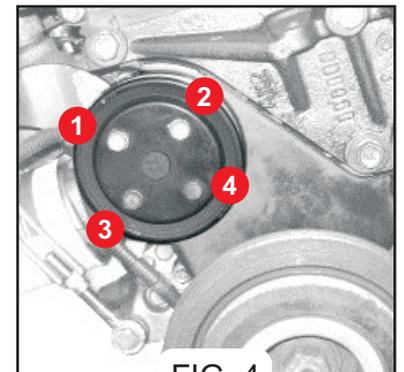


FIG. 4

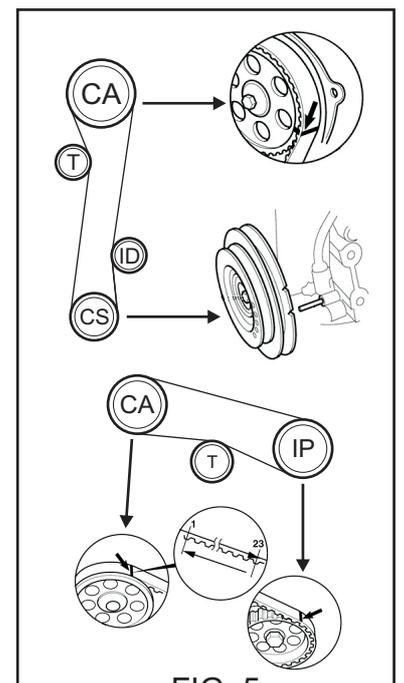


FIG. 5

AIRTEX. RECOMMENDS:

- ⑦ Clean the coolant circuit and replace all belt drive components.

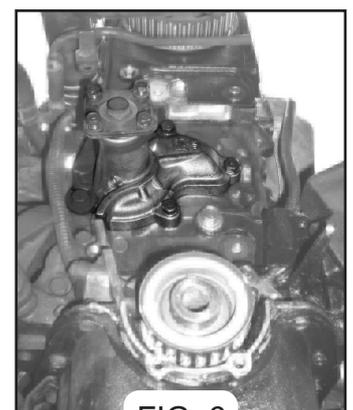
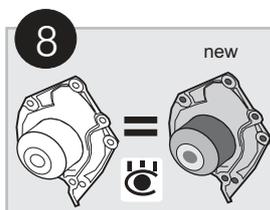


FIG. 6

TECHNICAL INFORMATION**Assembly**

- ① Fit the Airtex water pump. Then, fit the tensioner making sure the tensioner spring is positioned correctly [FIG. 7].
- ② Turn the tensioner anticlockwise and tighten tensioner bolt. Then, mount the timing belt.
- ③ Loosen tensioner bolt so the timing belt have the correct tension by the tensioner spring and rotate crankshaft turning it 4 times. Then fasten the tensioner with an allen key and tighten the tensioner bolt (40 Nm).
- ④ Fit the injection pump belt in the same way and check the timing marks are aligned [FIG. 5].
- ⑤ Fit timing belt covers and mount the water pump pulley [FIG. 4].
- ⑥ Fit the water pump belt and tighten tension adjusting plate bolt until the belt tension is correct. Then tighten the power steering pump bolts.
- ⑦ Mount the others auxiliary belts and proceed with the rest of the assembly.



FIG. 7

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

AIRTEX. RECOMMENDS: