

Instructions and precautions for correct assembly

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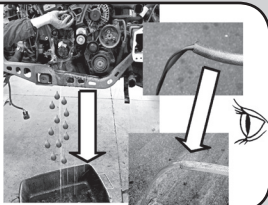
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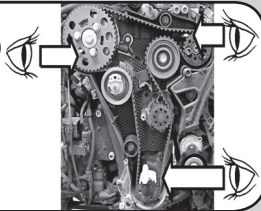
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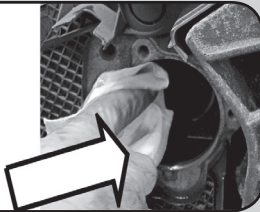
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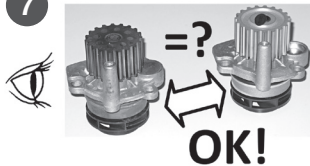
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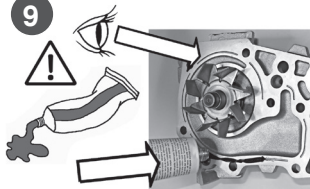
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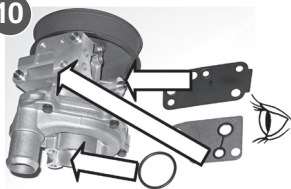
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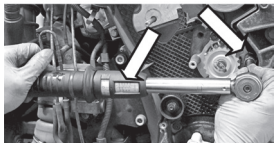
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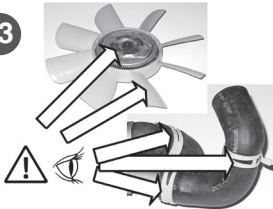
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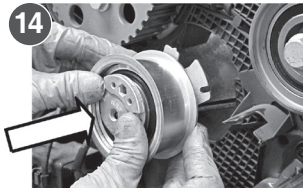
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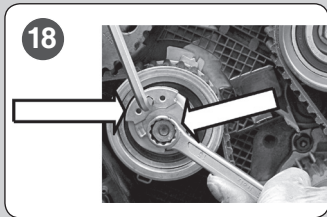
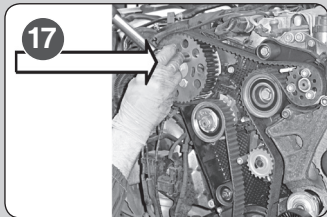
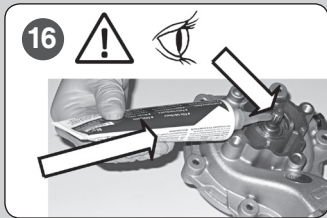
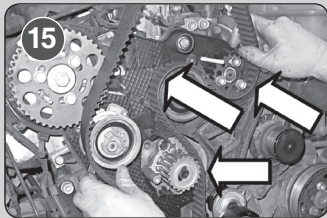


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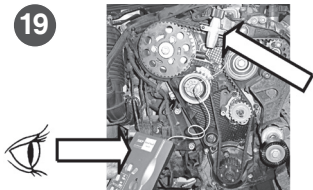


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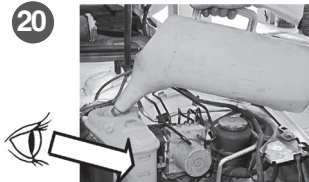




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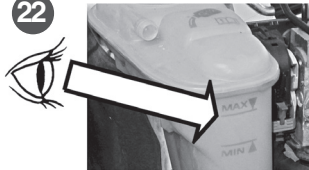
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Instructions and precautions for correct assembly

1. Always work safely and respect the environment.
2. Make accessible the work area for easy access to the water pump area.
3. Read any instructions of the manufacturer.
4. The cooling circuit has to be completely drained, cleaned and rinsed.
5. If the water pump is on the timing belt, the first thing to do is to lock the engine timing using any special tools provided.
6. Clean very well the surface of the engine crankcase from all residues, bringing the metal surface perfectly cleaned, degreased and dry.
7. Check that the replacement water pump is interchangeable with the old one.
8. When the pump is supplied with gasket (although it is an OR), never use sealing paste!
9. In the case of the pump is designed for the sealing paste, put the paste only on the water pump surface, in the correct amount without exceeding.
10. Each gasket which has been removed, must be replaced with a new one, never reuse used gaskets.
11. Tighten the screws crossed, before tightening them completely, make sure that the pump can rotate freely. Meet the values tightening torque of the screws indicated by the manufacturer.
12. If the water pump has been mounted with the sealing paste, always wait for about 1 hour with the cooling circuit empty.
13. Check the good condition of the pipe clamps and couplings, and any fan (or other visco clothes) mounted on the water pump.
14. Replace all components affected by the belt (idlers, rollers and / or tensioning rollers and other components connected to the system).
15. Place the belt correctly following the requirements of the manufacturer. Use any special tools and respect the rotation of the belt indicated on its back.
16. If the water pump has a gear or splined shaft as a PTO; ensure the good condition of the teeth; on splined shafts, put a bit of special grease before assembly.
17. If before removing the timing belt, the camshafts haven't been blocked, it's essential to restore the correct engine timing following the steps recommended by the manufacturer.
18. Tighten the belt respecting the value recommended by the manufacturer, run the engine manually and verify that the position of the belt is stable, if necessary, restore the tension.
19. Use appropriate equipment to check the belt tension.
20. Once installed the water pump and sealed the circuit, fill it with coolant that complies with coolant recommended by the manufacturer. Leave as little air as possible in the circuit before starting the engine.
21. Start the engine and left it idle, waiting for the opening of the thermostat and turn on the passenger compartment heater.
22. Continue to fill up the coolant from the expansion tank until the level does not drop more.