

TECHNICAL INFORMATION SHEET

PART NUMBERS: **9377** / **9378**



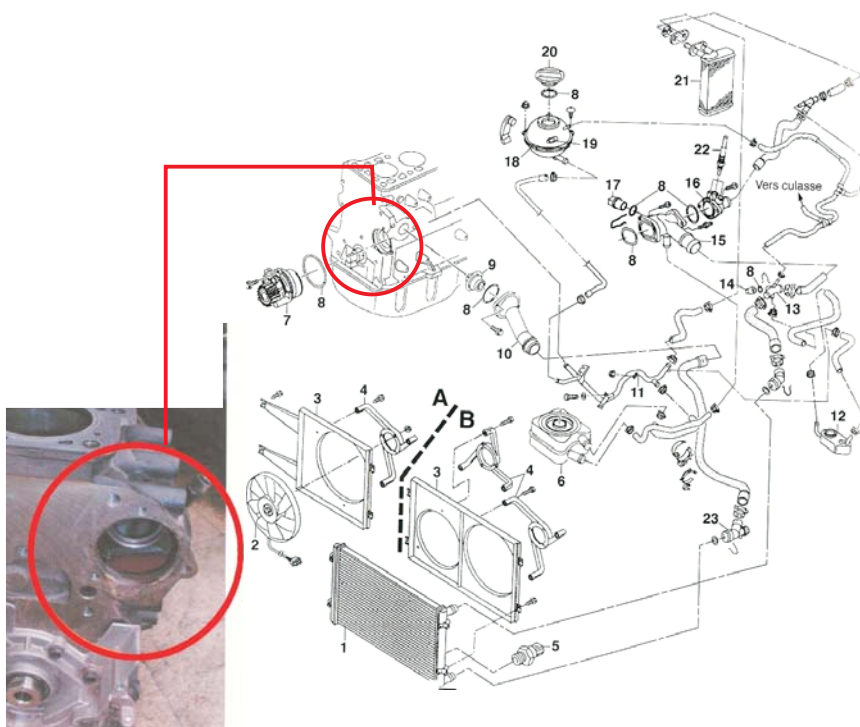
9377



9378

APPLICATIONS: 9377 engines 1.8i 20v / TURBO
9378 engines 1.9 Tdi (90 - 110 CV)

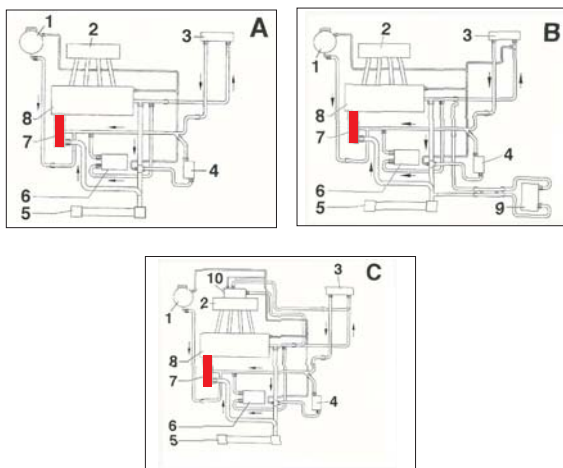
Audi A3 1.9 Tdi. Cooling system



A. Without air conditioning - B. With air conditioning

1. Coolant radiator
2. Fan
3. Oil nozzle
4. Fan support
5. Temperature contact
6. Exchanger oil /water
7. **Water pump**
8. Gasket
9. Thermostat
10. Thermostat coupling
11. Water pump pipe
12. Thermal exchanger oil /water
13. Coupling
14. Temperature contact
15. Outlet water pump coupling
16. Spark plugs support of overheating
17. Double temperature gauge
18. Expansion jar
19. Minimal level of liquid contactor
20. Expansion jar plug
21. Heater radiator
22. Spark plugs of overheating
23. Bleeder screw

Cooling systems schemes

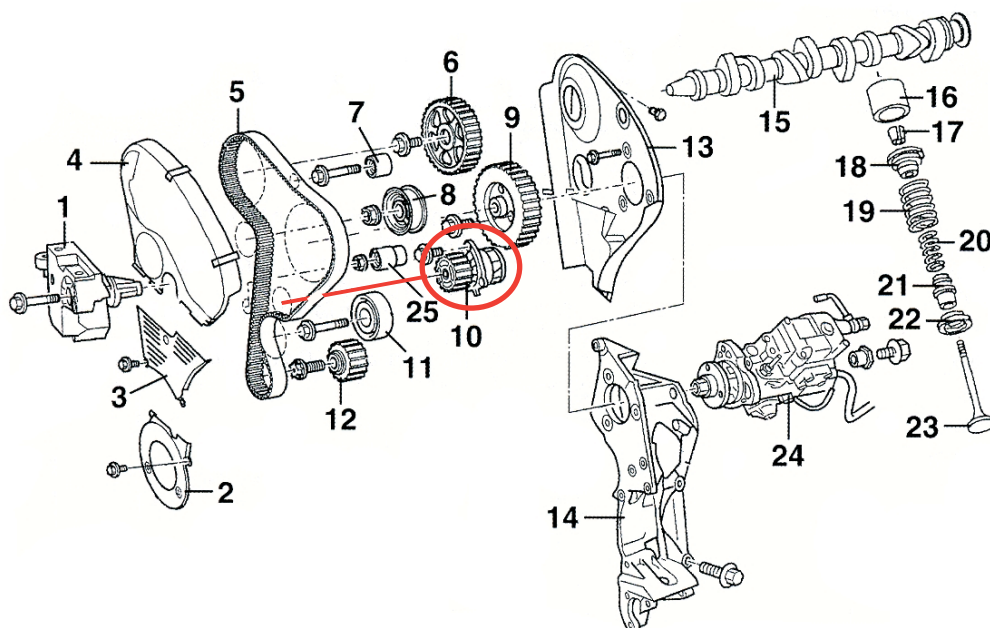


- A. Engines AGR, ALH and AHF without air conditioning
B. Engines AGR, ALH and AHF with air conditioning
C. AHF engine with automatic transmission
1. Expansion jar
 2. Admission collector
 3. Heater radiator
 4. Thermal exchanger water / oil (automatic transmission)
 5. Cooling radiator
 6. Thermal exchanger water water / oil
 7. **Water pump** and thermostat
 8. Engine block
 9. Additional heater radiator
 10. Thermal exchanger water / EGR.

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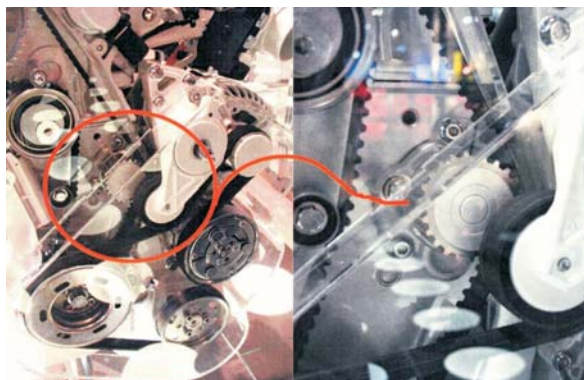
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Seat León / Toledo '99 Sdi y Tdi distribution scheme.

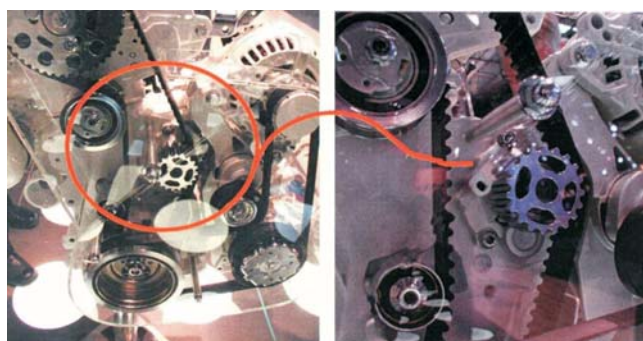


1. Right propeller support
2. Lower distribution housing
3. Central distribution housing
4. Upper distribution housing
5. Timing belt
6. Camshaft sprocket
7. Roller guide
8. Tensile roller
9. Injection pump sprocket
10. **Water pump**
11. Roller guide
12. Camshaft sprocket
13. Internal distribution housing
14. Water pump support
15. Camshaft
16. Hydraulic push-rod
17. Clamps
18. Upper adjuster
19. External spring
20. Internal spring
21. Valve stem retainer
22. Lower adjusting
23. Valve
24. Injection pump
25. Roller guide (but AQM engine)

Water pumps assembly



9377



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Torque

Item	daN.m
Water pump	1,5