



1 - Charge air cooling circuit radiator

2 - Coolant radiator

3 - Coolant temperature transmitter -G62-

4 - Coolant pump

- ☐ with the coolant control valve -N515-

5 - Coolant temperature sensor at engine output -G82-

6 - Cylinder head/cylinder block

7 - Engine oil cooler

- ☐ Observe part number
⇒ ETKA - Electronic Catalogue of Original Parts

8 - Auxiliary/additional heating

- ☐ Additional equipment
- ☐ with the circulating pump -V55-

9 - Radiator for exhaust gas recirculation, low pressure

10 - Heating backup pump - V488-

11 - Heat exchanger for heating

12 - Gearbox oil cooler

- ☐ only with dual-clutch transmission

13 - Hose thermostat

- ☐ only with dual-clutch transmission

14 - Coolant expansion tank

- ☐ with coolant shortage warning light sender -G32-

15 - Screw cap

- ☐ for coolant expansion tank
- ☐ Check pressure relief valve ⇒ [page 248](#)

16 - Non-return valve

17 - Non-return valve

18 - Throttle valve control unit -GX3-

- ☐ and

◆ Throttle valve control unit -J338-

◆ Throttle valve potentiometer -G69-

19 - Suction/charge air cooler

20 - Charge air cooler coolant temperature encoder -G1130-

21 - Injection valve for reduction agent -N474-

22 - Coolant distribution module

23 - Charge air cooler pump -V188-

