

Customer/order no.: \_\_\_\_\_  
Date: \_\_\_\_\_  
License plate no./vehicle: \_\_\_\_\_  
Mileage: \_\_\_\_\_



# CHECKLIST

## Air conditioning/heating/ventilation/cooling system

**System type:**

R134aR1234yfR744 (CO<sub>2</sub>)OtherFront evaporatorRear evaporatorElectric compressor

**Refrigerant analysis:**

R134a:

%

R1234yf:

%

R744:

%

Other:

%

Air:

%

HC:

%

**Pressure values:**

High-pressure side:

bar

Low-pressure side:

bar

At:

rpm

**Temperature:**

Outside temperature:

°C

Discharge temperature:

°C

**Refrigerant quantity:**

Extracted:

g

Refilled:

g

**Refrigerant oil:**

Extracted:

g

Refilled:

g

Type of oil:

Component	OK	NOK	Corr./rep.
1. Read out fault memory	<div></div>	<div></div>	<div></div>
2. Control instruments/operating elements			
Switch/control unit	<div></div>	<div></div>	<div></div>
Blower motor function	<div></div>	<div></div>	<div></div>
Interior temp. sensor (A/C automatic)	<div></div>	<div></div>	<div></div>
Air distribution/recirculation function	<div></div>	<div></div>	<div></div>
Cabin filter	<div></div>	<div></div>	<div></div>
3. Temperature at air outlet nozzles (°C)	<div></div>	<div></div>	<div></div>
Odor development	<div></div>	<div></div>	<div></div>
4. Drive belts			
Condition/noises	<div></div>	<div></div>	<div></div>
Tension	<div></div>	<div></div>	<div></div>
5. Belt tensioner			
Tension roller	<div></div>	<div></div>	<div></div>
Bearings	<div></div>	<div></div>	<div></div>
Noises	<div></div>	<div></div>	<div></div>
Function	<div></div>	<div></div>	<div></div>
6. Pulleys, deflection and guide rollers			
Adjustment/spacing	<div></div>	<div></div>	<div></div>
Noises/condition	<div></div>	<div></div>	<div></div>
7. Alternator freewheel clutch and torsional vibration damper (if present)			
Condition	<div></div>	<div></div>	<div></div>
Noises	<div></div>	<div></div>	<div></div>
Function	<div></div>	<div></div>	<div></div>
8. Compressor components			
Magnetic clutch (if present)	<div></div>	<div></div>	<div></div>
Pulley/bearing	<div></div>	<div></div>	<div></div>
Overload protection belt drive (if present)	<div></div>	<div></div>	<div></div>
Overpressure safety valve	<div></div>	<div></div>	<div></div>
Electrical connections	<div></div>	<div></div>	<div></div>
Leaktightness	<div></div>	<div></div>	<div></div>
9. Filter-drier/accumulator			
Leaktightness	<div></div>	<div></div>	<div></div>
Connections	<div></div>	<div></div>	<div></div>
Mounting	<div></div>	<div></div>	<div></div>
10. Pressure switch/pressure sensor			
Leaktightness	<div></div>	<div></div>	<div></div>
Function	<div></div>	<div></div>	<div></div>
Electrical connections	<div></div>	<div></div>	<div></div>
11. Condenser			
Leaktightness	<div></div>	<div></div>	<div></div>
Mounting	<div></div>	<div></div>	<div></div>
Cleanliness/damage	<div></div>	<div></div>	<div></div>
Comments:			

Component	OK	NOK	Corr./rep.
12. Hoses and lines			
Leaktightness	<div></div>	<div></div>	<div></div>
Connections	<div></div>	<div></div>	<div></div>
Chafing points	<div></div>	<div></div>	<div></div>
Mounting	<div></div>	<div></div>	<div></div>
13. Service connector caps/valves	<div></div>	<div></div>	<div></div>
14. Radiator/condenser fan			
Air ducting/fan paneling	<div></div>	<div></div>	<div></div>
Mounting	<div></div>	<div></div>	<div></div>
Function	<div></div>	<div></div>	<div></div>
Noise development	<div></div>	<div></div>	<div></div>
Electrical connections/relays	<div></div>	<div></div>	<div></div>
Bearing play	<div></div>	<div></div>	<div></div>
Visco® fans	<div></div>	<div></div>	<div></div>
15. Radiator			
Leaktightness	<div></div>	<div></div>	<div></div>
Mounting	<div></div>	<div></div>	<div></div>
Cleanliness/damage	<div></div>	<div></div>	<div></div>
Hoses and clamps	<div></div>	<div></div>	<div></div>
Air duct/paneling	<div></div>	<div></div>	<div></div>
16. Coolant expansion tank/cover	<div></div>	<div></div>	<div></div>
17. Coolant			
Cleanliness	<div></div>	<div></div>	<div></div>
Antifreeze (°C)	<div></div>	<div></div>	<div></div>
18. Thermostat			
Opening temperature	<div></div>	<div></div>	<div></div>
19. Coolant pump			
Leaktightness	<div></div>	<div></div>	<div></div>
Noise development	<div></div>	<div></div>	<div></div>
20. Heater hoses and clamps	<div></div>	<div></div>	<div></div>
21. Heater valve	<div></div>	<div></div>	<div></div>
22. Sensors			
Electrical connections	<div></div>	<div></div>	<div></div>
Function	<div></div>	<div></div>	<div></div>
23. Evaporator			
Leaktightness	<div></div>	<div></div>	<div></div>
Connections	<div></div>	<div></div>	<div></div>
Condensation drain	<div></div>	<div></div>	<div></div>
24. Expansion valve/throttle valve			
Leaktightness	<div></div>	<div></div>	<div></div>
Connections	<div></div>	<div></div>	<div></div>
Vehicle checked:			

