



Contents

80 - Heating	1
1 Heating - passenger compartment components	1
1.1 Engine compartment partition panel seal	3
1.2 Heat exchanger/engine compartment partition panel sealing	4
1.3 Fresh air blower V2	5
1.4 Fresh air blower pre-resistance with overheating cut-out N24 - remove and install	7
1.5 Dust and pollen filter - remove and install	8
1.6 Air vents - remove and install	10
1.7 Footwell vent - remove and install	13
1.8 Demister nozzle and air distributor for centre vents - remove and install	14
1.9 Exhaust valve - check	15
1.10 Ventilation adjustment mechanisms	17
1.11 Command cables - remove and install	20
2 Plenum chamber (heating) - remove and install	21
2.1 Plenum chamber (Behr / Valeo) - remove and install	22
3 Plenum chamber (Behr) - disassemble and assemble	25
3.1 Air distribution drive mechanism (Behr box) - remove and install	25
3.2 Temperature adjustment mechanism (Behr box) - remove and install	27
4 Plenum chamber (Valeo) - assemble and disassemble	29
4.1 Air distribution activation mechanism (Valeo Chamber) - remove and install	29
4.2 Temperature adjustment mechanism (Valeo Chamber) - remove and install	32
5 Heat exchanger - remove and install	34
5.1 Heat exchanger (Behr box) - remove and install	34
5.2 Heat exchanger (Valeo Chamber) - remove and install	38
6 Plenum chamber (ventilation) - remove and install	42
6.1 Plenum chamber, ventilation (Behr / Valeo) - remove and install	42
6.2 Plenum chamber (Behr) - disassemble and assemble	44
6.3 Plenum chamber (Valeo) - assemble and disassemble	44
87 - Air conditioning system	46
1 Notes on repairing vehicles with air conditioning system and on handling refrigerant	46
2 Ventilation adjustment mechanism (heating and air conditioning).	47
2.1 Ventilation / air conditioning adjustment mechanism power connectors	47
3 Command cables - remove and install	48
4 Service valves - location	49
5 Air conditioning with manual adjustment	51
5.1 Heating and air conditioning - passenger compartment components	51
5.2 Engine compartment partition panel seal	54
6 Plenum chamber (heating and air conditioning) - remove and install	55
6.1 Plenum chamber (Behr / Valeo) - remove and install	57
6.2 Plenum chamber (Behr) - disassemble and assemble	59
6.3 Plenum chamber (Valeo) - assemble and disassemble	63
6.4 Refrigerant circuit (engine compartment)	67
6.5 Ambient temperature sensor G17	69
6.6 High pressure sensor G65 - remove and install	69
6.7 High pressure sensor G65 - check	69
6.8 Pressure relief valve in the compressor - check	70
7 Air conditioner compressor support	71
7.1 Air conditioner compressor support for 1.0L and 1.6L engines - remove and install	71
8 Refrigerant circuit - assembly overview	74
8.1 Air conditioning magnetic clutch N25 manufacturer (Delphi) - repair	77



8.2	Electromagnetic clutch (Delphi compressor) - remove and install	78
8.3	Compressor - remove and install	82
8.4	Condenser - remove and install	84
8.5	Dryer filter - remove and install	86
8.6	Expansion valve - remove and install	88
8.7	Quick-release coupling - remove and install	91
8.8	Air conditioning system hoses - remove and install	93
9	Filling capacities	103
9.1	R134a refrigerant gas	103
9.2	Cooling system oil	103