



## Contents

<b>80 - Heating</b>	<b>1</b>
<b>1 Heating - assembly overview</b>	<b>1</b>
1.1 External passenger compartment components - assembly location overview	1
1.2 Front passenger compartment components – assembly overview	1
<b>2 Control motors</b>	<b>3</b>
2.1 Front control motors	3
2.2 Regulation unit of the temperature regulation caps - remove and install	4
2.3 Regulation unit of the air distribution registry - remove and install	4
2.4 Air distribution flexible shaft - remove and install	4
2.5 Temperature registry flexible shaft - remove and install	4
<b>3 Heating</b>	<b>5</b>
3.1 Heating unit - assembly overview	5
3.2 Fresh air fan V2 - remove and install	7
3.3 Fresh air blower pre-resistance with overheating cut-out N24 - remove and install	7
3.4 Heat exchanger - remove and install	7
3.5 Plenum chamber (air conditioning) - remove and install	7
<b>4 Air duct system</b>	<b>8</b>
<b>5 Command unit and display</b>	<b>9</b>
5.1 Air conditioning command unit and display, manual electrical adjustment - overview	9
5.2 Control unit and display - remove and install	9
<b>6 Other command and adjustment components</b>	<b>11</b>
<b>87 - Air conditioning system</b>	<b>12</b>
<b>1 Air-conditioning system - assembly location overview</b>	<b>12</b>
1.1 External passenger compartment components - assembly location overview	12
1.2 Passenger compartment components - assembly overview	13
<b>2 Coolant gas loop</b>	<b>15</b>
2.1 Refrigerant circuit - assembly overview	15
2.2 Condenser - assembly overview	16
2.3 Pressure sensor for coolant circulation G805 - remove and install	18
2.4 Expansion valve - remove and install	19
2.5 Condenser - remove and install	23
2.6 Dryer filter - remove and install	27
2.7 Evacuating and charging valve, low and high pressure side - remove and install	36
2.8 Operate the air conditioning after filling the refrigerant circuit	38
2.9 Condenser compressor hose - remove and install	38
2.10 Air conditioning system high pressure hose - remove and install	41
2.11 Air conditioning system low pressure hose - remove and install	44
<b>3 Air conditioner compressor</b>	<b>47</b>
3.1 Air conditioner compressor - assembly overview	47
3.2 Capacitor pulley - assembly overview	49
3.3 Air conditioning compressor - remove and install from the bracket	52
3.4 Air conditioning compressor - remove and install	55
3.5 Check the pressure relief valve in the air conditioning compressor	59
3.6 Belt pulley - remove and install	60
<b>4 Control motors</b>	<b>66</b>
4.1 Front control motors - overview of fitting locations	66
4.2 Valve control motor for defrosting V107 - remove and install	68
4.3 Control motor on the air distributor cover, front V426- Remove and install	70
4.4 Control motor for fresh air valve and recirculation valve V154 - remove and install	71
4.5 Temperature adjustment valve control motor, left V158- Remove and install	73
4.6 Temperature adjustment valve control motor, right V159- Remove and install	74



4.7	Control motor for pressure non-return valve for natural air and air circulation V425 - remove and install	76
4.8	Control motor on the air distributor cover - remove and install	77
4.9	Control motor on the air distributor cover - remove and install	78
<b>5</b>	<b>Plenum chamber (air conditioning)</b>	<b>80</b>
5.1	Plenum chamber (air conditioning) components - assembly overview	80
5.2	Evaporator housing - assembly overview	82
5.3	Evaporator - remove and install	82
5.4	Plenum chamber (air conditioning) - remove and install	83
5.5	Evaporator housing - remove and install	88
5.6	Dust and pollen filter - remove and install	88
5.7	Fresh air fan V2 - remove and install	90
5.8	Natural air fan control unit J126 - remove and install	91
5.9	Heat exchanger - remove and install	92
5.10	Coolant pipes in the heat exchanger - remove and install	98
5.11	Evaporator temperature sensor G308 - remove and install	100
5.12	Plenum chamber drain - remove and install	101
5.13	Air box bleeder connection - check	104
5.14	Fresh air blower pre-resistance with overheating cut-out N24 - remove and install	104
<b>6</b>	<b>Air duct system</b>	<b>106</b>
6.1	Air distribution and duct in the passenger compartment - assembly overview	106
6.2	Footwell flap (front left) - remove and install	108
6.3	Footwell flap (front right) - remove and install	109
6.4	Rear centre console vent air duct - remove and install	110
6.5	Exhaust valve - remove and install	110
6.6	Exhaust valve - check	111
6.7	Fresh air intake nozzle grille - remove and install	112
6.8	Fresh air intake nozzle - remove and install	113
6.9	Fresh air intake duct - remove and install	113
6.10	Defogger air duct - remove and install	114
6.11	Central vent air duct - remove and install	114
<b>7</b>	<b>Air conditioning display and control unit</b>	<b>115</b>
7.1	Air conditioning display and control unit - assembly overview	115
7.2	Air conditioning display and control unit - remove and install	118
<b>8</b>	<b>Other command and adjustment components</b>	<b>120</b>
8.1	Sun irradiation photosensor G107 - remove and install	120
8.2	External temperature sensor G17 - remove and install	121
8.3	Air conditioning humidity sensor G260 - remove and install	121
8.4	Air outlet temperature sensor for the left vent G150- Remove and install	122
8.5	Air outlet temperature sensor for the right vent G151- Remove and install	122
8.6	Feet area air outlet temperature sensor G192 - remove and install	123
<b>9</b>	<b>R134a refrigerant filling capacity</b>	<b>125</b>