



Contents

01 - Self diagnosis	1
1 Self diagnosis of Climatronic	1
1.1 Self diagnosis of Climatronic	1
1.2 Function	1
1.3 Technical data of self diagnosis	2
1.4 Test prerequisites for self diagnosis	2
1.5 Connecting fault reader V.A.G 1551 and selecting function	2
1.6 Chart of functions that can be selected	4
1.7 Interrogating fault memory	4
1.8 Fault table	5
1.9 Final control diagnosis	9
1.10 Read measured value block	12
1.11 Erasing fault memory, ending output	16
80 - Heating	18
1 Servicing heating system	18
1.1 Servicing heating system	18
2 Dismantling and assembling heater	28
2.1 Dismantling and assembling heater	28
3 Installing and adjusting cables	30
3.1 Installing and adjusting cables	30
4 Dismantling and assembling heated air and fresh air controls	35
4.1 Dismantling and assembling heated air and fresh air controls	35
5 Servicing electronic heater controls - Thermotronic	36
5.1 Servicing electronic heater controls - Thermotronic	36
87 - Air conditioning	42
1 Notes on repair work to vehicles with air conditioning and on handling refrigerant	42
1.1 Notes on repair work to vehicles with air conditioning and on handling refrigerant	42
1.2 Safety precautions for work on vehicles with air conditioning and when handling refrigerant R134a	42
1.3 Service work on the air conditioner which can only be carried out in specially-equipped workshops	44
2 Air conditioner with manual controls	46
2.1 Air conditioner with manual controls	46
2.2 Servicing air conditioning and heating - Passenger compartment	46
2.3 Servicing air conditioning and heating - Engine compartment	55
2.4 Installing and adjusting cables	64
2.5 Vacuum hose connection diagram	68
2.6 Removing and installing compressor bracket - 4 Cyl. petrol engine	71
2.7 Removing and installing compressor bracket - 6 Cyl. petrol engine	74
2.8 Removing and installing compressor bracket - Turbo Diesel engine	78
3 Climatronic - air conditioner with automatic regulation	81
3.1 Climatronic - air conditioner with automatic regulation	81
3.2 Control and function of the control and display unit	81
3.3 Servicing Climatronic - passenger compartment	83
3.4 Servicing Climatronic - engine compartment	95
3.5 Checking and adjusting end position of installed temperature flap positioning motor	101
3.6 Vacuum hose connection diagram	102