

Contents

01 - Self-diagnosis	1
1 Function of self-diagnosis	1
1.1 Function of self-diagnosis	1
1.2 Technical self-diagnosis data	3
2 Electric/electronic components and installation locations	4
2.1 Electric/electronic components and installation locations	4
2.2 Removing and installing control unit for automatic gearbox -J217	17
2.3 Adjusting kickdown switch -F8	19
3 Performing self-diagnosis	20
3.1 Performing self-diagnosis	20
3.2 Safety precautions	20
3.3 Fault reader V.A.G 1551 and selecting functions	21
3.4 Overview of function selection	23
3.5 Interrogating fault memory	24
3.6 Fault table	25
3.7 Fault table from 00258 to 00532	25
3.8 Fault table from 00543 to 65535	34
3.9 Performing final control diagnosis	43
3.10 Erase fault memory	46
3.11 Coding control unit	47
3.12 Read measured value block, vehicles with 2.8 l - 128 kW > approx. 09.92	49
3.13 Read measured value block, vehicles with 2.8 l - 128 kW approx. 09.92 ä, 2.2 l - 169 kW, 2.5 l TDI - 85 kW, 2.6 l - 110 kW	56
3.14 Reading measured value block, vehicles with control unit, 88-pin (MY 96 >; gradual introduction)	66
4 Electrical test, general	77
4.1 Electrical test, general	77
5 Electrical test for vehicles with 55-pin control unit (ä approx. 08.95)	78
5.1 Electrical test for vehicles with 55-pin control unit (ä approx. 08.95)	78
5.2 Connecting test box V.A.G 1598 A	78
5.3 Test table for vehicles with 55-pin control unit (ä approx. 08.95)	79
5.4 Part II	91
6 Electrical test for vehicles with 88-pin control unit (MY 96 ä; gradual introduction)	102
6.1 Electrical test for vehicles with 88-pin control unit (MY 96 ä; gradual introduction)	102
6.2 Connect adapter V.A.G 1598/20	102
6.3 Test table for vehicles with 88-pin control unit (MY 96 ä; gradual introduction)	102
7 Electric tests - all model years	124
7.1 Electric tests - all model years	124
7.2 Unplugging 8-pin connector on gearbox	124
7.3 Testing activation of solenoid valves	125
7.4 Test wiring between control unit for automatic gearbox -J217 and gearbox	127
7.5 Testing output signal for gearshift	129
7.6 Testing wiring for diagnostic connector	130