

Contents

01 - Self-diagnosis, Electrical test	1
1 Self-diagnosis function	1
1.1 Self-diagnosis function	1
1.2 Technical data of self-diagnosis	3
2 Electrical/electronic components and their fitting locations	4
2.1 Electrical/electronic components and their fitting locations	4
2.2 Removing and installing automatic gearbox control unit -J217	11
2.3 Adjusting kickdown switch -F8	13
3 Performing self-diagnosis	15
3.1 Performing self-diagnosis	15
3.2 Safety precautions	15
3.3 Connecting vehicle diagnostic, testing and information system VAS 5051 (or fault reader V.A.G 1551) and selecting functions	16
3.4 List of selectable functions:	18
4 Interrogating fault memory	19
4.1 Interrogating fault memory	19
4.2 Fault table	20
5 Final control diagnosis	30
5.1 Final control diagnosis	30
6 Erasing fault memory	32
6.1 Erasing fault memory	32
7 Reading measured value block	33
7.1 Reading measured value block	33
7.2 Display group overview	34
8 Electrical test	41
8.1 Electrical test	41
8.2 Connecting test box V.A.G 1598 A	42
8.3 Test table	43
8.4 Unplugging 8-pin connector on gearbox	61
8.5 Testing activation of solenoid valves	61
8.6 Checking wiring connection between automatic gearbox control unit -J217 and gearbox	63
8.7 Testing output signal for gearshift	66
9 Checking wiring of diagnostic connector	67
9.1 Checking wiring of diagnostic connector	67