

Contents

01 - Self-diagnosis, electrical checks	1
1 Self-diagnosis	1
1.1 Basic notes on self-diagnosis	1
1.2 Function of the individual systems	2
1.3 Safety precautions	4
1.4 Requirements for test	4
1.5 Fault finding procedure	5
1.6 Road test	6
1.7 Connecting vehicle diagnostic, testing and information system VAS 5051 A	7
2 CAN bus	9
2.1 Testing a "two-wire data bus system"	9
3 ABS, ABS/EDL and ABS/EDL/TCS ITT Mark 20 without ESP	13
3.1 Electrical/electronic components and fitting locations	13
3.2 Faults displayed by warning lamps in instrument cluster	15
3.3 Performing self-diagnosis on the ABS, ABS/EDL and ABS/EDL/TCS, ITT Mark 20 without ESP	18
3.4 Interrogating fault memory	18
3.5 Fault tables	19
3.6 Final control diagnosis	27
3.7 Basic setting	31
3.8 Erasing fault memory	37
3.9 End output	38
3.10 Renewing and coding control unit	39
3.11 Measured value block	42
3.12 Login procedure or coding II	46
3.13 Electrical check of ABS, ABS/EDL and ABS/EDL/TCS ITT Mark 20 without ESP	47
3.14 Connecting adapter V.A.G 1598/21 (test box) to ABS with EDL control unit J104	48
3.15 Test table	50
4 ABS/EDL/TCS/ESP ITT Mark 20	59
4.1 Electrical/electronic components and fitting locations	59
4.2 Faults displayed by warning lamps in instrument cluster	61
4.3 Performing self-diagnosis of ABS/EDL/TCS/ESP ITT Mark 20 system	64
4.4 Interrogating fault memory	64
4.5 Fault tables	65
4.6 Final control diagnosis	77
4.7 Basic setting	85
4.8 Performing zero compensation of steering angle sender G85	100
4.9 Erasing fault memory	103
4.10 End output	104
4.11 Renewing and coding control unit	104
4.12 Measured value block	112
4.13 Login procedure or coding II	118
4.14 Electrical check of ABS/EDL/TCS/ESP ITT MARK 20	119
4.15 Connecting test box V.A.G 1598 A with adapter cable (47-pin) V.A.G 1598/33 to ABS with EDL control unit J104	121
4.16 Test table	123
5 ABS/ESP, MK 60 Continental Teves Mark 60; Electronic Stabilisation Program, Continental Teves Mark 60	136
5.1 This self-diagnosis system is described exclusively in the "Guided fault finding"	136