

## Contents

<b>01 - Self-diagnosis</b> .....	<b>1</b>
<b>1 Connecting vehicle diagnostic, testing and information system VAS 5051/ fault reader V.A.G 1551</b> .....	<b>1</b>
1.1 Connecting vehicle diagnostic, testing and information system VAS 5051/ fault reader V.A.G 1551 .....	1
<b>2 Self-diagnosis of airbag system - Airbag II</b> .....	<b>3</b>
2.1 Self-diagnosis of airbag system - Airbag II .....	3
2.2 General .....	3
2.3 Starting airbag system self-diagnosis .....	4
2.4 Interrogating fault memory .....	5
2.5 Erasing fault memory .....	5
2.6 Fault table .....	6
<b>3 Self-diagnosis of airbag system - Airbag IV and V</b> .....	<b>9</b>
3.1 Self-diagnosis of airbag system - Airbag IV and V .....	9
3.2 General .....	9
3.3 Starting airbag system self-diagnosis .....	10
3.4 Interrogating fault memory .....	11
3.5 Erasing fault memory .....	12
3.6 Fault table .....	12
3.7 Encoding control unit .....	16
3.8 Reading measured value block .....	17
<b>4 Self-diagnosis of airbag system - Airbag 8 (Front + Side)</b> .....	<b>19</b>
4.1 Self-diagnosis of airbag system - Airbag 8 (Front + Side) .....	19
4.2 General .....	19
4.3 Starting airbag system self-diagnosis .....	20
4.4 Interrogating fault memory .....	21
4.5 Erasing fault memory .....	22
4.6 Fault table .....	23
4.7 Encoding control unit .....	30
4.8 Reading measured value block .....	31
4.9 Adaption: .....	32
<b>5 Self-diagnosis of central locking system 07.96 ä</b> .....	<b>35</b>
5.1 Self-diagnosis of central locking system 07.96 ä .....	35
5.2 Starting central locking self-diagnosis .....	35
5.3 Interrogating fault memory .....	36
5.4 Erasing fault memory .....	37
5.5 Fault table .....	38
5.6 Final control diagnosis .....	41
5.7 Encoding control unit - Vehicles > 06.97 .....	42
5.8 Standard encoding .....	42
5.9 Encoding options .....	43
5.10 Encoding control unit - Vehicles 07.97 ä .....	44
5.11 Standard encoding .....	44
5.12 Encoding options .....	45
5.13 Reading measured value block .....	46
5.14 Matching remote control keys/erasing memory positions .....	49
<b>6 Self-diagnosis of manual convertible top actuator 07.94 ä</b> .....	<b>50</b>
6.1 Self-diagnosis of manual convertible top actuator 07.94 ä .....	50
6.2 Starting manual convertible top actuator self-diagnosis .....	50
6.3 Interrogating fault memory .....	51
6.4 Erasing fault memory .....	52
6.5 Fault table .....	53
6.6 Reading measured value block .....	59



<b>7</b>	<b>Checking operation of manual convertible top actuator 07.94 ä</b>	<b>62</b>
7.1	Checking operation of manual convertible top actuator 07.94 ä	62
<b>8</b>	<b>Self-diagnosis of electrohydraulic convertible top actuator</b>	<b>67</b>
8.1	Self-diagnosis of electrohydraulic convertible top actuator	67
8.2	Starting electrohydraulic convertible top actuator self-diagnosis	67
8.3	Interrogating fault memory	68
8.4	Erasing fault memory	69
8.5	Fault table	70
8.6	Fault codes 00258 to 01094	70
8.7	Fault codes 01095 to 01114	79
8.8	Final control diagnosis	89
8.9	Reading measured value block	91
8.10	Display Group 001, input signals of convertible top operation control unit -J256	92
8.11	Display Group 002, output signals of convertible top operation control unit -J256	93
<b>9</b>	<b>Checking operation of electrohydraulic convertible top actuator</b>	<b>95</b>
9.1	Checking operation of electrohydraulic convertible top actuator	95
<b>10</b>	<b>Checking opening of electrohydraulic convertible top - 8-valve pump</b>	<b>96</b>
10.1	Checking opening of electrohydraulic convertible top - 8-valve pump	96
<b>11</b>	<b>Checking closing of electrohydraulic convertible top - 8-valve pump</b>	<b>110</b>
11.1	Checking closing of electrohydraulic convertible top - 8-valve pump	110
<b>12</b>	<b>Checking opening of electrohydraulic convertible top - 6-valve pump</b>	<b>123</b>
12.1	Checking opening of electrohydraulic convertible top - 6-valve pump	123
<b>13</b>	<b>Checking closing of electrohydraulic convertible top - 6-valve pump</b>	<b>136</b>
13.1	Checking closing of electrohydraulic convertible top - 6-valve pump	136
<b>14</b>	<b>Wiring and component check using test box V.A.G 1598 A</b>	<b>148</b>
14.1	Wiring and component check using test box V.A.G 1598 A	148
<b>15</b>	<b>Checking wiring of diagnostic connectors</b>	<b>151</b>
15.1	Checking wiring of diagnostic connectors	151
15.2	Checking power supply for "black" diagnostic connector	152
15.3	Checking wiring between "white" diagnostic connector and convertible top operation control unit -J256	152