

## Contents

<b>01</b>	<b>Self-diagnosis, Electrical test</b>	<b>1</b>
1	<b>Self-diagnosis function</b>	1
1.1	Self-diagnosis function	1
1.2	Technical data for self-diagnosis	2
2	<b>Electrical/electronic</b>	3
2.1	Electrical/electronic	3
2.2	Electrical/electronic components and fitting locations	3
2.3	Removing and installing automatic gearbox control unit -J217	9
3	<b>Performing self-diagnosis</b>	11
3.1	Performing self-diagnosis	11
3.2	Safety precautions	11
3.3	Connecting vehicle diagnostic, testing and information system VAS 5051 or fault reader V.A.G 1551 and selecting functions	12
3.4	List of selectable functions	14
4	<b>Interrogating fault memory</b>	15
4.1	Interrogating fault memory	15
4.2	Fault table	16
5	<b>Final control diagnosis</b>	22
5.1	Final control diagnosis	22
6	<b>Erasing fault memory</b>	24
6.1	Erasing fault memory	24
7	<b>Reading measured value block</b>	25
7.1	Reading measured value block	25
7.2	Display group overview	26
8	<b>Electrical test</b>	32
8.1	Electrical test	32
8.2	Connecting test box V.A.G 1598 A	33
8.3	Test table	34
8.4	Testing wiring connection between automatic gearbox control unit -J217 and gearbox	41
9	<b>Checking wiring of diagnostic connector</b>	44
9.1	Checking wiring of diagnostic connector	44