



## Contents

<b>01 - Self-diagnosis</b> . . . . .	<b>1</b>
<b>1 Self diagnosis</b> . . . . .	<b>1</b>
1.1 Self diagnosis . . . . .	1
1.2 Function . . . . .	1
1.3 Technical data of self diagnosis . . . . .	1
1.4 Connecting fault reader V.A.G 1551 and selecting engine electronics control unit . . . . .	2
1.5 Interrogating fault memory . . . . .	3
1.6 Fault table . . . . .	4
1.7 Erasing fault memory . . . . .	7
1.8 Final control diagnosis . . . . .	8
1.9 Coding control unit . . . . .	10
1.10 Erasing values learnt by engine electronics control unit . . . . .	11
1.11 Read measured value block and basic settings . . . . .	12
1.12 Display group overview . . . . .	12
<b>24 - Mixture preparation, Injection</b> . . . . .	<b>15</b>
<b>1 Mono-Motronic injection and ignition system</b> . . . . .	<b>15</b>
1.1 Mono-Motronic injection and ignition system . . . . .	15
1.2 Fitting locations overview . . . . .	15
1.3 Servicing injection part . . . . .	17
1.4 Servicing injection unit . . . . .	26
1.5 Safety precautions . . . . .	31
1.6 Rules for cleanliness . . . . .	31
1.7 Technical data . . . . .	32
1.8 Idling speed check . . . . .	32
1.9 Checking Lambda probe and Lambda control . . . . .	33
1.10 Checking Lambda probe heating . . . . .	35
1.11 Checking engine operating mode . . . . .	36
1.12 Checking throttle valve positioner . . . . .	37
1.13 Checking and adjusting idling switch . . . . .	38
1.14 Checking sender for throttle valve positioner . . . . .	42
1.15 Checking throttle valve potentiometer . . . . .	43
1.16 Checking coolant temperature sender . . . . .	45
1.17 Checking intake air temperature sender . . . . .	48
1.18 Checking injector . . . . .	50
1.19 Checking speed signal . . . . .	52
1.20 Checking control unit voltage supply . . . . .	53
1.21 Checking air conditioner and air conditioner compressor signals . . . . .	55
1.22 Matching automatic gearbox control unit and throttle valve potentiometer to one another . . . . .	56
1.23 Checking signal for automatic gearbox control unit . . . . .	56
1.24 Matching engine electronic control unit to electronic immobilizer . . . . .	58
1.25 Checking fuel pressure regulator and holding pressure . . . . .	59
1.26 Checking intake air system for leaks (unmetered air) . . . . .	61
1.27 Checking intake air preheating . . . . .	62
<b>28 - Ignition system</b> . . . . .	<b>64</b>
<b>1 Mono-Motronic injection and ignition system</b> . . . . .	<b>64</b>
1.1 Mono-Motronic injection and ignition system . . . . .	64
1.2 Servicing ignition part . . . . .	64
1.3 Safety precautions . . . . .	67
1.4 Adjustment data, Spark plugs . . . . .	68
1.5 Installing distributor . . . . .	68
1.6 Checking and adjusting ignition timing . . . . .	69
1.7 Checking ignition timing control . . . . .	71



**Caddy 1996 , Polo Classic 1996 >**  
**Mono Motronic injection and ignition system - Edition 11.1995**

---

1.8	Checking Hall sender . . . . .	71
1.9	Checking ignition transformer . . . . .	73
1.10	Checking ignition transformer output stage . . . . .	73