



Contents

01 - Self-diagnosis	1
1 Self diagnosis	1
1.1 Self diagnosis	1
1.2 Features of self-diagnosis	1
1.3 Technical data of self diagnosis	1
1.4 Connecting fault reader V.A.G 1551 and selecting engine control unit	2
1.5 Interrogating and erasing fault memory	3
1.6 Fault table	5
1.7 Final control diagnosis	10
1.8 Read measured value block and basic settings	13
1.9 Display group overview	14
24 - Mixture preparation, Injection	17
1 Servicing injection system	17
1.1 Servicing injection system	17
1.2 Fitting locations overview	17
1.3 General notes on injection	19
1.4 Removing and installing parts of the injection system	21
1.5 Dismantling and assembling fuel manifold with injectors	27
1.6 Dismantling and assembling intake manifold	28
1.7 Dismantling and assembling air cleaner	31
1.8 Safety precautions	34
1.9 Rules for cleanliness	34
1.10 Technical data	34
1.11 Performing basic setting	35
1.12 Checking Lambda probe and Lambda control	36
1.13 Checking Lambda probe heating	38
1.14 Checking engine operating mode	39
1.15 Checking throttle valve control part	41
1.16 Checking intake manifold pressure sender	47
1.17 Checking speed signal	49
1.18 Checking coolant temperature sender	51
1.19 Checking intake air temperature sender	54
1.20 Checking control unit voltage supply	56
1.21 Matching engine control unit to electronic immobilizer	58
1.22 Checking air conditioner and air conditioner compressor signals	59
1.23 Checking injectors	60
1.24 Checking fuel pressure regulator and holding pressure	62
1.25 Checking intake air system for leaks (unmetered air)	65
1.26 Checking intake air preheating	65
1.27 Wire routing engine wiring loom	67
28 - Ignition system	69
1 Servicing ignition system	69
1.1 Servicing ignition system	69
1.2 General notes to ignition system	69
1.3 Removing and installing parts of the ignition system	70
1.4 Dismantling and assembling distributor	73
1.5 Safety precautions	74
1.6 Adjustment data, Spark plugs	74
1.7 Checking and adjusting ignition timing	74
1.8 Checking Hall sender	76
1.9 Checking ignition transformer	77
1.10 Checking ignition transformer output stage	77



Polo 1995 ➤

1AV fuel injection and ignition system (2-valve) - Edition 08.1995

1.11 Checking knock sensor79