

Contents

24	Mixture preparation - injection	1
1	Safety precautions and rules for cleanliness	1
1.1	General notes on self-diagnosis	1
1.2	Safety precautions	1
1.3	Rules for cleanliness when working on the injection system	2
1.4	Checking vacuum system	2
2	Injection system	4
2.1	Overview of fitting locations	4
2.2	Air cleaner - exploded view	8
2.3	Removing and installing air cleaner	10
2.4	Intake manifold - exploded view	11
2.5	Removing and installing intake manifold	13
2.6	Checking fuel pressure regulator and residual pressure	16
2.7	Checking injection quantity and spray pattern of injectors; checking for leaks	18
2.8	Bleeding fuel system	20
2.9	Checking wiring and components with test box V.A.G 1598/42 (154-pin)	21
2.10	Renewing Simos control unit J361	23
3	Removing and installing Lambda probes	27
3.1	Removing and installing Lambda probe G39 before catalytic converter - bank 1 (right-side)	27
3.2	Removing and installing Lambda probe 2 G108 before catalytic converter - bank 2 (left-side)	29
3.3	Removing and installing Lambda probe after catalytic converter G130 - bank 1 (right-side)	30
3.4	Removing and installing Lambda probe 2 after catalytic converter G131 - bank 2 (left-side)	32
28	Ignition system	35
1	General notes and safety precautions	35
1.1	General notes on ignition system	35
1.2	Safety precautions	35
2	Servicing ignition system	37
2.1	Technical data	37
2.2	Ignition system - exploded view	37
2.3	Removing and installing ignition coils	38