

Contents

24 - Mixture preparation - injection	1
1 Servicing injection system	1
1.1 General notes on injection	1
1.2 Safety precautions	1
1.3 Rules for cleanliness	2
1.4 Important: Required procedure prior to opening high-pressure injection system	3
1.5 Technical data	4
1.6 Overview of fitting locations	5
1.7 Dismantling and assembling air cleaner	14
1.8 Checking function of intake air preheating (control flap)	15
1.9 Removing engine cover panel	15
1.10 Dismantling and assembling intake manifold	16
1.11 Locking vacuum unit for air flow control flaps	19
1.12 Checking operation of air flow control flaps	19
1.13 Removing and installing intake manifold	19
1.14 Dismantling and assembling fuel rail with injectors (engine code BAG)	22
1.15 Dismantling and assembling fuel rail with injectors (engine codes BLP and BLF)	24
1.16 Removing and installing fuel rail (bottom section of intake manifold)	26
1.17 Removing and installing injectors	29
1.18 Renewing combustion chamber ring seal (teflon ring seal)	31
1.19 Removing and installing high-pressure pump (engine code letters BAG)	33
1.20 Removing and installing high-pressure pump (engine code letters BLP and BLF)	35
1.21 Checking initial fuel pressure up to mechanical high-pressure pump	38
1.22 Wiring and component check with test box V.A.G 1598/42	40
1.23 Renewing Motronic control unit J220	42
1.24 Removing and installing Lambda probe G39 (before catalytic converter)	46
1.25 Removing and installing exhaust gas temperature sender 1 G235	47
1.26 Removing and installing NOx sensor control unit J583 and NOx sender G295	48
1.27 Removing and installing Lambda probe after catalytic converter G130 and Lambda probe 1 heater, after catalytic converter Z29	48
28 - Ignition system	50
1 Servicing the ignition system	50
1.1 General notes on ignition system	50
1.2 Safety precautions	50
1.3 Technical data for ignition system	51
1.4 Removing and installing ignition system components	51
1.5 Removing and installing ignition coils with output stages	52