

Contents

23	Mixture preparation - injection	1
1	Servicing diesel direct injection system	1
1.1	Safety precautions	1
1.2	Safety precautions when using testers and measuring instruments during a road test	1
1.3	Rules for cleanliness	1
1.4	Overview of fitting locations	2
1.5	Exploded view - air cleaner	10
1.6	Removing and installing air filter element	12
1.7	Removing and installing air mass meter G70	14
1.8	Exploded view - intake manifold	15
1.9	Removing and installing intake manifold flap motor V157	17
1.10	Removing and installing intake manifold	18
1.11	Servicing unit injector	24
1.12	Removing and installing unit injector	26
1.13	Renewing O-rings for unit injector	29
1.14	Removing and installing electrical wiring harness for unit injectors	31
1.15	Wiring and component check with test box V.A.G 1598/42	33
1.16	Removing and installing engine control unit	35
1.17	Removing and installing Lambda probe G39 with Lambda probe heater Z19	37
1.18	Removing and installing exhaust gas pressure sensor 1 G450	39
28	Glow plug system	41
1	Glow plug system	41
1.1	Glow plugs	41
1.2	Removing and installing glow plugs	41
1.3	Removing and installing ceramic glow plugs	43
1.4	Removing and installing automatic glow period control unit J179	46
1.5	Removing and installing engine speed sender G28	47
1.6	Removing and installing sender wheel for engine speed sender G28	48