



## Contents

<b>23 - Mixture preparation - injection</b> .....	<b>1</b>
<b>1 Servicing diesel direct injection system</b> .....	<b>1</b>
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 .....	11
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 without exhaust gas recirculation cooler .....	14
1.9 Removing and installing intake manifold without exhaust gas recirculation cooler .....	15
1.10 Exploded view - intake manifold with exhaust gas recirculation cooler .....	17
1.11 Removing and installing intake manifold with exhaust gas recirculation cooler .....	18
1.12 Servicing unit injector .....	20
1.13 Removing and installing unit injector .....	21
1.14 Renewing O-rings for unit injector .....	25
1.15 Removing and installing electrical wiring harness for unit injectors .....	26
1.16 Wiring and component check with adapter cable, 121-pin V.A.G 1598/31 (test box) - engine codes AVB, AVF, AWX .....	29
1.17 Wiring and component check with test box V.A.G 1598/42 - engine codes BKE, BPW, BRB, BRC .....	30
1.18 Removing and installing engine control unit - engine codes AVB, AVF and AWX .....	31
1.19 Removing and installing engine control unit - engine codes BKE, BPW, BRB, BRC .....	33
1.20 Removing and installing Lambda probe G39 with Lambda probe heater Z19 .....	37
1.21 Removing and installing exhaust gas pressure sensor 1 G450 .....	40
<b>28 - Glow plug system</b> .....	<b>41</b>
<b>1 Glow plug system</b> .....	<b>41</b>
1.1 Different types of glow plugs .....	41
1.2 Removing and installing ceramic glow plugs .....	41
1.3 Removing and installing metal glow plugs .....	45