



## Contents

<b>23 - Mixture preparation, Injection . . . . .</b>	<b>1</b>
<b>1 Servicing fuel injection system . . . . .</b>	<b>1</b>
1.1 Servicing fuel injection system . . . . .	1
1.2 Rules for cleanliness . . . . .	1
1.3 Servicing fuel filter . . . . .	8
1.4 Checking fuel system for leaks . . . . .	9
1.5 Actuator controlled, load-dependent injection timing . . . . .	10
1.6 Removing and installing injection pump . . . . .	11
1.7 Checking and adjusting injection pump timing . . . . .	18
1.8 Checking valve timing . . . . .	23
1.9 Adjusting idling speed, idling speed boost and engine governed speed . . . . .	24
1.10 Load change speed . . . . .	26
1.11 Residual volume basic setting . . . . .	26
1.12 Removing and installing injectors . . . . .	27
1.13 Servicing injectors . . . . .	28
1.14 Checking injector nozzle valve tip for damage, injection pressure and for leakage. . . . .	29
<b>2 Servicing injection pump . . . . .</b>	<b>31</b>
2.1 Servicing injection pump . . . . .	31
2.2 Removing and installing lower throttle lever and return spring . . . . .	35
2.3 Renewing pump cover throttle lever bush, pump cover gasket and throttle lever shaft O-ring . . . . .	36
2.4 Renewing fuel delivery adjusting screw O-ring . . . . .	38
2.5 Renewing idling speed boost shaft O-ring . . . . .	39
2.6 Renewing injection timing device cover O-ring . . . . .	39
2.7 Renewing CSA lever/cover O-ring . . . . .	40
2.8 Sealing injection pump connections . . . . .	41
<b>28 - Glow plug system . . . . .</b>	<b>42</b>
<b>1 Checking glow plug system . . . . .</b>	<b>42</b>
1.1 Checking glow plug system . . . . .	42
1.2 Glow plugs - distinguishing features . . . . .	42
1.3 Checking glow plug current consumption with V.A.G 1315A . . . . .	42
1.4 Checking glow plugs . . . . .	43
1.5 Glow plugs with burned electrodes . . . . .	43