

Contents

23 - Mixture preparation - injection	1
1 Servicing diesel direct injection system	1
1.1 Safety precautions	1
1.2 Rules for cleanliness	1
1.3 Overview of fitting locations	2
1.4 Air cleaner - exploded view	4
1.5 Removing and installing engine cover panel	4
1.6 Removing and installing air filter element	5
1.7 Removing and installing air mass meter G70	7
1.8 Removing and installing intake manifold (front section)	8
1.9 Removing and installing intake manifold (left-side)	9
1.10 Removing and installing intake manifold (right-side)	11
1.11 Removing and installing injection pump	13
1.12 Bleeding fuel system (vehicles up to chassis No. 4BZ 2N 109430 and allroad vehicles)	18
1.13 Bleeding fuel system (from chassis No. 4BZ 2N 109430 onwards)	20
1.14 Draining fuel filter	22
1.15 Checking fuel system for leaks	23
1.16 Dynamically checking and adjusting commencement of injection	25
1.17 Checking injectors	27
1.18 Removing and installing injectors	28
1.19 Removing and installing injector with needle lift sender G80	29
1.20 Wiring and component check using adapter V.A.G 1598/30 or adapter cable (121-pin) V.A.G 1598/31	31
1.21 Renewing diesel direct injection system control unit J248	33
28 - Glow plug system	35
1 Checking glow plug system	35
1.1 Checking operation	35
1.2 Checking glow plugs	35
1.3 Removing and installing glow plugs	35
1.4 Checking glow period warning lamp	36