



Contents

00 - Technical data	1
1 Safety information	1
1.1 Safety precautions during work on fuel system	1
1.2 Safety precautions when working on vehicles with start/stop system	1
1.3 Safety precautions when using testers and measuring instruments during a road test	2
1.4 Safety precautions when working on cooling system	2
1.5 Safety precautions for working on vehicles with auxiliary/supplementary heater	2
2 General information	4
2.1 Type plates	4
2.2 Starting conditions for auxiliary/supplementary heater	5
2.3 Rules for cleanliness when working on auxiliary/supplementary heater and fuel system	5
3 Repair notes	7
3.1 Rules for cleanliness	7
3.2 General repair instructions	7
3.3 Contact corrosion	7
3.4 Nuts and bolts	8
3.5 Routing and attachment of lines	8
82 - Supplementary heating	9
1 Auxiliary/supplementary heater	9
1.1 Overview of fitting locations - auxiliary/supplementary heater	9
1.2 Assembly overview - auxiliary/supplementary heater, internal	11
1.3 Assembly overview - attachments of auxiliary/supplementary heater	13
1.4 Removing and installing auxiliary/supplementary heater	15
1.5 Dismantling and assembling auxiliary/supplementary heater	18
1.6 Removing and installing air intake silencer	21
1.7 Removing and installing circulation pump V55	22
1.8 Removing and installing exhaust system	24
1.9 Removing and installing auxiliary/supplementary heater bracket	26
1.10 Removing and installing cover	29
1.11 Removing and installing glow plug with flame monitor Q8	31
1.12 Removing and installing temperature sensor G18 and overheating sensor G189	31
1.13 Removing and installing auxiliary heater control unit J364	33
1.14 Removing and installing combustion air blower V6	33
1.15 Dismantling and assembling burner unit	33
2 Coolant circuit with auxiliary/supplementary heater	35
2.1 System overview - coolant circuit with auxiliary/supplementary heater	35
2.2 Assembly overview - coolant circuit with auxiliary/supplementary heater	37
2.3 Connection diagram - coolant hoses	38
2.4 Removing and installing heater coolant shut-off valve N279	38
3 Fuel supply	42
3.1 Overview of fitting locations - fuel supply system	42
3.2 Checking fuel delivery rate	43
3.3 Removing and installing metering pump V54	43
3.4 Removing and installing fuel line	47
4 Regulation of auxiliary/supplementary heater	53
5 Other controlling and regulating components	54
5.1 Removing and installing ambient temperature sensor G17	54
5.2 Removing and installing remote control receiver for auxiliary heater R64	54
5.3 Functional description of remote control for auxiliary/supplementary heater	55