



Contents

00 - Technical data	1
1 Safety information and repair notes	1
1.1 Safety information	1
1.2 Repair instructions	1
2 General information	2
2.1 Starting conditions for auxiliary/supplementary heater	2
2.2 Type plates	2
3 Electrical components	4
3.1 Access to diagnoses	4
82 - Supplementary heating	6
1 Safety and repair instructions	6
1.1 Safety information	6
1.2 Repair instructions	6
2 Overview of fitting locations – auxiliary/supplementary heater	7
2.1 Overview of fitting locations – auxiliary/supplementary heater	7
2.2 Overview of fitting locations – auxiliary/supplementary heater	9
3 Auxiliary/supplementary heater	11
3.1 Assembly overview - auxiliary/supplementary heater attachments	11
3.2 Assembly overview – auxiliary/supplementary heater, interior	12
3.3 Removing and installing auxiliary/supplementary heater	14
3.4 Dismantling and assembling auxiliary/supplementary heater	16
3.5 Removing and installing air intake silencer	17
3.6 Removing and installing circulation pump [V55]	18
3.7 Removing and installing exhaust system	19
3.8 Removing and installing bracket for auxiliary/supplementary heater	19
3.9 Removing and installing cover	21
3.10 Removing and installing glow plug with flame monitoring [Q8]	23
3.11 Removing and installing temperature sensor [G18] and overheating sensor [G189]	23
3.12 Dismantling and assembling combustion chamber insert	24
3.13 Removing and installing auxiliary heater control unit [J364] with combustion air blower [V6]	25
4 Coolant circuit with auxiliary/supplementary heater	26
4.1 Connection diagram - coolant hoses	26
4.2 Removing and installing coolant pipes for auxiliary heater	26
5 Fuel supply system	29
5.1 Overview of fitting locations - fuel supply system	29
5.2 Checking fuel delivery rate	30
5.3 Removing and installing metering pump [V54]	30
5.4 Bleeding fuel line to metering pump [V54] (filling with fuel)	32
6 Other controlling and regulating components	33
6.1 Removing and installing remote control receiver for auxiliary coolant heater [R149]	33
6.2 Adapting remote control for auxiliary/supplementary heater	33