



## Contents

<b>00 - Technical data</b>	<b>1</b>
<b>1 Safety information and repair notes</b>	<b>1</b>
1.1 Safety information	1
1.2 Repair instructions	1
<b>2 General information</b>	<b>2</b>
2.1 Type plates	2
<b>3 Electrical components</b>	<b>3</b>
3.1 Access to diagnoses	3
<b>82 - Supplementary heating</b>	<b>5</b>
<b>1 Safety and repair instructions</b>	<b>5</b>
1.1 Safety information	5
1.2 Repair instructions	5
<b>2 Fitting locations</b>	<b>6</b>
2.1 Overview of fitting locations - auxiliary/supplementary heater	6
<b>3 Fitting locations</b>	<b>7</b>
3.1 Overview of fitting locations - auxiliary/supplementary heater	7
<b>4 Auxiliary/supplementary heater</b>	<b>9</b>
4.1 Assembly overview - attachments for auxiliary/supplementary heater	9
4.2 Assembly overview - components inside auxiliary/supplementary heater	10
4.3 Removing and installing auxiliary/supplementary heater	12
4.4 Dismantling and assembling auxiliary/supplementary heater	14
4.5 Removing and installing air intake silencer	15
4.6 Removing and installing circulation pump V55	16
4.7 Removing and installing exhaust system	17
4.8 Removing and installing bracket for auxiliary/supplementary heater	18
4.9 Removing and installing cover	20
4.10 Removing and installing glow plug with flame monitoring [Q8]	22
4.11 Removing and installing temperature sensor G18 and overheating sensor G189	23
4.12 Dismantling and assembling combustion chamber insert	24
4.13 Removing and installing auxiliary heater control unit J364	24
<b>5 Coolant circuit with auxiliary/supplementary heater</b>	<b>26</b>
5.1 Connection diagram – coolant hoses	26
5.2 Removing and installing coolant pipes for auxiliary heater	26
<b>6 Fuel supply system</b>	<b>29</b>
6.1 Overview of fitting locations - fuel supply system	29
6.2 Checking fuel delivery rate	31
6.3 Removing and installing metering pump V54	31
6.4 Bleeding fuel line for metering pump	33
<b>7 Other controlling and regulating components</b>	<b>34</b>
7.1 Removing and installing remote control receiver for auxiliary coolant heater [R64]	34
7.2 Adapting remote control for auxiliary/supplementary heater	34
<b>8 Other controlling and regulating components</b>	<b>35</b>
8.1 Removing and installing remote control receiver for auxiliary coolant heater [R64]	35
8.2 Adapting remote control for auxiliary/supplementary heater	35
<b>9 Other controlling and regulating components</b>	<b>36</b>
9.1 Removing and installing remote control receiver for auxiliary coolant heater R64	36
9.2 Adapting remote control for auxiliary/supplementary heater	36
<b>10 Other controlling and regulating components</b>	<b>37</b>
10.1 Removing and installing remote control receiver for auxiliary coolant heater R64	37
10.2 Adapting remote control for auxiliary/supplementary heater	37



<b>11</b>	<b>Other controlling and regulating components</b> .....	<b>38</b>
11.1	Removing and installing remote control receiver for auxiliary coolant heater R64 .....	38
11.2	Adapting remote control for auxiliary/supplementary heater .....	38