

**Equipment information**

**Equipment:** 00002200177  
**Type:** TBD12 620V  
**Output:** 0001320,0 kW  
**Speed:** 1500 1/min  
**Build date:** 01.08.1998  
**KLU-Number:**  
**ETL scope:** EU174077  
**MVS:** 211

**VKU date:** 01.09.1998  
**VKU' date:**  
**Commissioning date:** 22.10.1998  
**Begin of guarantee period:** 22.10.1998  
**Man. begin of guar. period:** no  
**End of guarantee period:**  
**ID maintenance contract:**  
**ID insurance contract:**  
**Guarantee package:** 2

## Assembly group directory

<b>Equipment:</b>	00002200177	<b>Engine type:</b>	TBD12 620V
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<b>ETL scope:</b>	EU174077		

CG	ETL-No.	Designation (en)	Designation (en)
<b>1</b>		<b>Crankcase</b>	
1	0508 1393	Crankc. end cover	Crankc. end cover
1	0508 1398	Engine mounting	Engine mounting
1	0508 5021	Tdc-pointer	Tdc-pointer
1	0508 5032	Cover	Cover
1	0508 5033	Cover	Cover
1	0508 5064	Cover	Cover
1	0508 5099	Cover	Cover
1	0508 5131	Crankcase	Crankcase
1	0508 5158	Disch./drain pipe	Disch./drain pipe
1	0508 5161	Piston cooling	Piston cooling
1	0508 5176	Crankcase breather	Crankcase breather
<b>2</b>		<b>Oil pan</b>	
2	0508 5126	Dipstick	Dipstick
2	0508 5246	Oil pan	Oil pan
<b>5</b>		<b>Crankshaft</b>	
5	0508 0852	Starter ring gear	Starter ring gear
5	0508 4062	Accessories	Accessories
5	0508 5000	Flywheel flange	Flywheel flange
5	0508 5004	Crankshaft access.	Crankshaft access.
5	0508 5005	Crankshaft access.	Crankshaft access.
5	0508 5006	Main bearing	Main bearing
5	0508 5132	Crankshaft	Crankshaft
5	0508 5262	Flywheel	Flywheel
<b>6</b>		<b>Connecting rod</b>	
6	0508 5083	Big end bearing	Big end bearing
6	0508 5135	Connecting rod	Connecting rod
<b>7</b>		<b>Piston</b>	
7	0508 5217	Piston	Piston
<b>8</b>		<b>Cylinder head</b>	
8	0508 1177	Valve mechan.cover	Valve mechan.cover
8	0508 2115	Regulator	Regulator
8	0508 3719	Control	Control
8	0508 4310	Cool.water passage	Cool.water passage
8	0508 5062	Installation parts	Installation parts
8	0508 5180	Cylinder head	Cylinder head
<b>9</b>		<b>Timing chest</b>	
9	0508 5022	Crankc. end cover	Crankc. end cover
9	0508 5050	Idler gear	Idler gear
9	0508 5056	Idler bearing	Idler bearing
9	0508 5058	Idler gear	Idler gear
9	0508 5086	Toothed gear	Toothed gear
9	0508 5091	Toothed gear	Toothed gear
<b>10</b>		<b>Camshaft</b>	
10	0508 5057	Support	Support
10	0508 5087	Toothed gear	Toothed gear
10	0508 5088	Fastenings	Fastenings
10	0508 5123	Camshaft	Camshaft
<b>11</b>		<b>Timing gears</b>	
11	0508 5092	Valve drive	Valve drive

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CG	ETL-No.	Designation (en)	Designation (en)
<b>14</b>		<b>Lube oil pump</b>	
14	0508 2121	Installation parts	Installation parts
14	0508 5122	Lubricat. oil pump	Lubricat. oil pump
<b>15</b>		<b>Lube oil/-cooler</b>	
15	0508 5045	Bracket	Bracket
15	0508 5046	Bracket	Bracket
15	0508 5067	Oil centrifuge	Oil centrifuge
15	0508 5139	Oil cooler	Oil cooler
15	0508 5141	Lubric. oil filter	Lubric. oil filter
<b>16</b>		<b>Oil pipes</b>	
16	0508 2888	Blanking parts	Blanking parts
16	0508 5001	Lubricat. oil line	Lubricat. oil line
16	0508 5015	Pressure oil line	Pressure oil line
16	0508 5040	Oil line	Oil line
16	0508 5041	Press.relief valve	Press.relief valve
16	0508 5076	Oil line	Oil line
16	0508 5077	Oil line	Oil line
16	0508 5078	Oil line	Oil line
16	0508 5093	Oil line	Oil line
16	0508 5121	Priming set	Priming set
16	0508 5129	Oil suction line	Oil suction line
16	0508 5142	Oil line	Oil line
16	0508 5174	Oil drain pipe	Oil drain pipe
16	0508 5178	Oil line	Oil line
16	0508 5186	Oil line	Oil line
16	0508 5187	Oil line	Oil line
16	0508 5286	Oil line	Oil line
<b>17</b>		<b>Injection pump</b>	
17	0508 1246	Indicator	Indicator
17	0508 2218	Fastenings	Fastenings
17	0508 4434	Fuel inject. pump	Fuel inject. pump
<b>18</b>		<b>Injection pump drive</b>	
18	0508 5314	Inject. pump drive	Inject. pump drive
<b>19</b>		<b>Injector</b>	
19	0508 2165	Clamping yoke	Clamping yoke
19	0508 2166	Installation parts	Installation parts
19	0508 5094	Fuel injector	Fuel injector
<b>20</b>		<b>Fuel filter</b>	
20	0508 2350	Fuel duplex filter	Fuel duplex filter
20	0508 5114	Fastenings	Fastenings
20	0508 5136	Fuel pump	Fuel pump
<b>21</b>		<b>Fuel pipes/fuel tank</b>	
21	0508 5072	Fuel line	Fuel line
21	0508 5074	Fuel line	Fuel line
21	0508 5075	Fuel line	Fuel line
21	0508 5102	Fuel line	Fuel line
21	0508 5128	Fuel line	Fuel line
21	0508 5155	Fuel line	Fuel line
21	0508 5216	High pressure pipe	High pressure pipe
<b>22</b>		<b>Suction pipe/air cleaner</b>	
22	0508 3384	Filter insert	Filter insert

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CG	ETL-No.	Designation (en)	Designation (en)
22	0508 5148	Filter	Filter
<b>27</b>		<b>Speed control</b>	
27	0508 4394	Actuator	Actuator
27	0508 4395	Control unit	Control unit
27	0508 5209	Contr. device assy	Contr. device assy
27	0508 5269	Linkage	Linkage
<b>34</b>		<b>Vibration damper</b>	
34	0508 5125	Fastenings	Fastenings
34	0508 5137	Vibration damper	Vibration damper
<b>36</b>		<b>Water cooler</b>	
36	0508 5115	Bracket	Bracket
36	0508 5140	Housing	Housing
<b>37</b>		<b>Cooling water pump</b>	
37	0508 5024	Cooling water pump	Cooling water pump
37	0508 5109	Cooling water pump	Cooling water pump
37	0508 5150	Cooling water pump	Cooling water pump
37	0508 5151	Cooling water pump	Cooling water pump
<b>38</b>		<b>Water pipes</b>	
38	0506 1444	Temper. controller	Temper. controller
38	0508 1458	Cooling water line	Cooling water line
38	0508 2417	Breather line	Breather line
38	0508 3751	Raw water line	Raw water line
38	0508 4053	Drain line	Drain line
38	0508 5047	Cooling water line	Cooling water line
38	0508 5095	Cooling water line	Cooling water line
38	0508 5096	Cooling water line	Cooling water line
38	0508 5105	Bracket	Bracket
38	0508 5143	Cooling water line	Cooling water line
38	0508 5149	Cooling water line	Cooling water line
38	0508 5185	Mating part	Mating part
38	0508 5211	Cooling water line	Cooling water line
38	0508 5226	Cooling water line	Cooling water line
38	0508 5238	Cooling water line	Cooling water line
38	0508 5239	Cooling water line	Cooling water line
<b>41</b>		<b>Exhaust manifold</b>	
41	0508 3244	Exhaust manifold	Exhaust manifold
41	0508 4036	Exhaust pipe	Exhaust pipe
41	0508 4037	Exhaust pipe	Exhaust pipe
41	0508 4142	Compensator	Compensator
<b>43</b>		<b>Turbocharger</b>	
43	0508 3286	Accessories	Accessories
43	0508 5204	Turbocharger	Turbocharger
<b>44</b>		<b>Alternator/starter motor</b>	
44	0508 0848	Starter motor	Starter motor
44	0508 1232	Hose assembly	Hose assembly
44	0508 5028	Bracket	Bracket
<b>46</b>		<b>Engine mounting, rigid</b>	
46	0508 5189	Claw	Claw
<b>48</b>		<b>Electrical accessories</b>	
48	0503 3560	Temper.transmitter	Temper.transmitter

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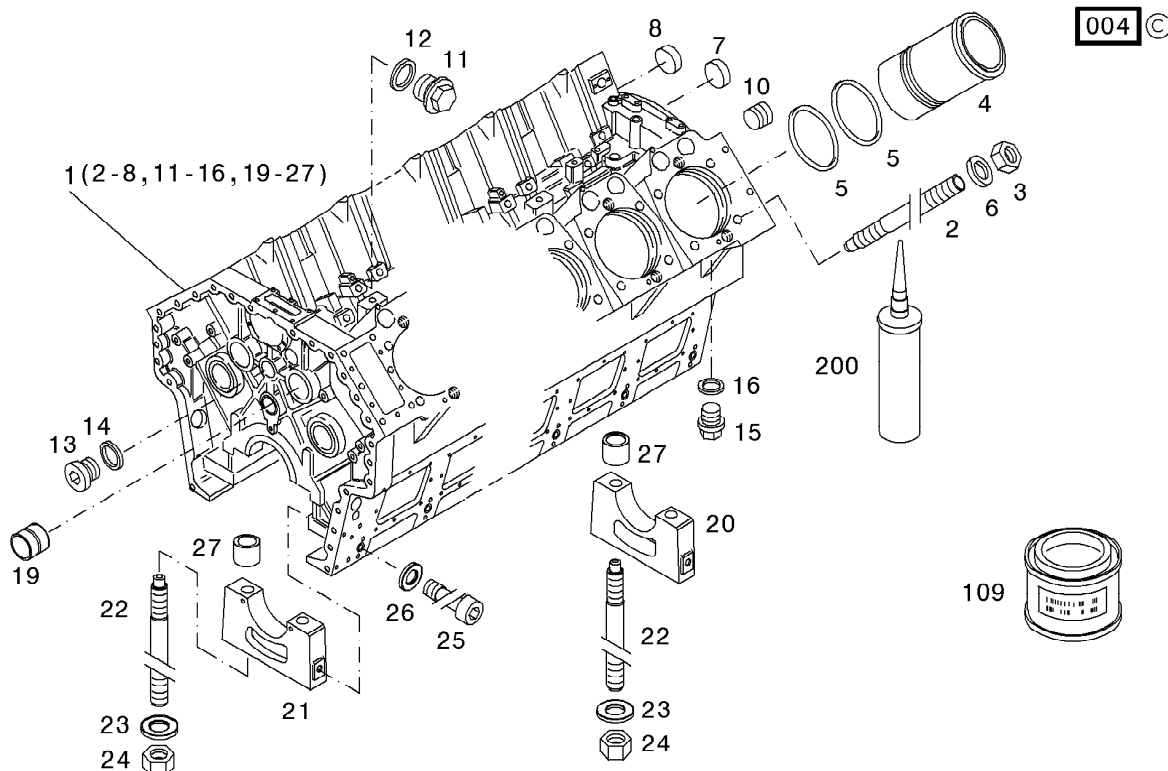
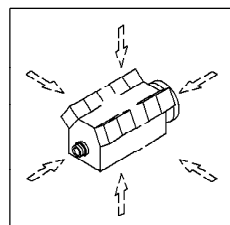
CG	ETL-No.	Designation (en)	Designation (en)
48	0503 3561	Switching device	Switching device
48	0503 3670	Temper.transmitter	Temper.transmitter
48	0506 6863	Switching device	Switching device
48	0508 2692	Switching device	Switching device
48	0508 2693	Temper.transmitter	Temper.transmitter
48	0508 3822	Temper.transmitter	Temper.transmitter
48	0508 3823	Temper.transmitter	Temper.transmitter
48	0508 3900	Magnet/solenoid	Magnet/solenoid
48	0508 4114	Switching device	Switching device
48	0508 4127	Switching device	Switching device
48	0508 4128	Switching device	Switching device
48	0508 4129	Mpu-selector	Mpu-selector
48	0508 4156	Measur. transducer	Measur. transducer
48	0508 4206	Thermocouple	Thermocouple
48	0508 5073	Bracket	Bracket
48	0508 5153	Cabling	Cabling
48	0508 5271	Switch mounting	Switch mounting
48	0508 5272	Terminal box	Terminal box
48	0508 5287	Switch mounting	Switch mounting
48	0508 5301	Tacho-generator	Tacho-generator
<b>49</b>		<b>Tools</b>	
49	0508 3591	Toolkit	Toolkit
<b>51</b>		<b>Measuring instruments</b>	
51	0506 5856	Switching device	Switching device
<b>57</b>		<b>V-belt guard</b>	
57	0508 5284	Protection	Protection
<b>58</b>		<b>Intercooler</b>	
58	0508 3008	Fastenings	Fastenings
58	0508 5017	Radiator bracket	Radiator bracket
58	0508 5018	Radiator bracket	Radiator bracket
58	0508 5321	Cover	Cover
58	0508 5365	Cover	Cover
<b>63</b>		<b>Starting aid</b>	
63	0508 2517	Heater connection	Heater connection
<b>69</b>			
69	0508 3167	Turn-over gear	Turn-over gear
<b>87</b>		<b>Charge air pipe</b>	
87	0508 2252	Cover	Cover
87	0508 2282	Bush	Bush
87	0508 2485	Cover	Cover
87	0508 2748	Quick flap	Quick flap
87	0508 2749	Quick flap	Quick flap
87	0508 2950	Air guidance	Air guidance
87	0508 2951	Air guidance	Air guidance
87	0508 3028	Charge air pipe	Charge air pipe
87	0508 5130	Intake manifold	Intake manifold
<b>90</b>		<b>Set of parts</b>	
90	0508 5903	Gasket set	Gasket set
90	0508 5908	Gasket set	Gasket set

ETL no.: 0508 5131 Crankcase

Constr. Group: 01

Equipment: 00002200177  
Output: 0001320,0 kW  
ETL scope: EU174077

Engine type: TBD12 620V  
Speed: 1500 1/min



Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	12302012				1	ST		Crankcase	Crankcase	WITH ITEM.... (2-8,11-16,19-27)
2	12303038	Kit !			48	ST		Stud	Stud	
3	01176614				48	ST		Hexagon nut	Hexagon nut	
4	12302057	Kit !	90	90	12	ST		Cylinder liner	Cylinder liner	
5	12027235	Kit !	10	10	24	ST		O-ring	O-ring	
6	01176709				48	ST		Plain washer	Plain washer	
7	01165835				2	ST		Core hole plug	Core hole plug	
8	01165841				3	ST		Core hole plug	Core hole plug	
10	01102140		20	20	2	ST		Screw plug	Screw plug	
11	01152105		20	20	56	ST		Screw plug	Screw plug	
12	01102146	Kit !			56	ST		Sealing ring	Sealing ring	
13	01139505				1	ST		Screw plug	Screw plug	
14	01118841				1	ST		Sealing ring	Sealing ring	
15	01110445				3	ST		Screw plug	Screw plug	
16	01124011				3	ST		Sealing ring	Sealing ring	
19	12027574	Kit !			14	ST		Bearing bush	Bearing bush	
20	12302052				6	ST		Bearing cap	Bearing cap	
21	12302053				1	ST		Bearing cap	Bearing cap	
22	12302024	Kit !			14	ST		Stud	Stud	
23	12302064	Kit !			14	ST		Plain washer	Plain washer	
24	01181415	Kit !			14	ST		Hexagon nut	Hexagon nut	
25	01180087				14	ST		Cheese head screw	Cheese head screw	
26	12302015				14	ST		Plain washer	Plain washer	
27	12302014				14	ST		Bush	Bush	

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Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
109	01001202		90	90	1	KG		Packing compound	Packing compound	
200	01016232				1	KG		Packing compound	Packing compound	