

**Equipment information**

**Equipment:** 62016000209  
**Type:** TBD16 620V  
**Output:** 0002240,0 kW  
**Speed:** 1860 1/min  
**Build date:** 01.03.1995  
**KLU-Number:**  
**ETL scope:** EU249126  
**MVS:** 111

**VKU date:** 01.03.1995

**VKU' date:**

**Commissioning date:**

**Begin of guarantee period:**

**Man. begin of guar. period:** no

**End of guarantee period:**

**ID maintenance contract:**

**ID insurance contract:**

**Guarantee package:**

## Assembly group directory

<b>Equipment:</b>	62016000209	<b>Engine type:</b>	TBD16 620V
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<b>ETL scope:</b>	EU249126		

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>	<b>Designation (en)</b>
<b>1</b>		<b>Crankcase</b>	
1	0508 1393	Crankc. end cover	Crankc. end cover
1	0508 1398	Engine mounting	Engine mounting
1	0508 1978	Tdc-pointer	Tdc-pointer
1	0508 1986	Hole cover	Hole cover
1	0508 3714	Disch./drain pipe	Disch./drain pipe
1	0508 3793	Crankcase breather	Crankcase breather
1	0508 3935	Cover	Cover
1	0508 4014	Crankc. end cover	Crankc. end cover
1	0508 4018	Crankcase	Crankcase
<b>2</b>		<b>Oil pan</b>	
2	0508 3722	Oil pan	Oil pan
2	0508 3724	Dipstick	Dipstick
<b>5</b>		<b>Crankshaft</b>	
5	0508 0852	Starter ring gear	Starter ring gear
5	0508 2140	Stop ring	Stop ring
5	0508 3382	Main bearing	Main bearing
5	0508 3924	Crankshaft access.	Crankshaft access.
5	0508 3934	Crankshaft	Crankshaft
5	0508 3936	Flywheel flange	Flywheel flange
5	0508 4062	Accessories	Accessories
5	0508 4065	Flywheel	Flywheel
<b>6</b>		<b>Connecting rod</b>	
6	0508 2320	Big end bearing	Big end bearing
6	0508 3321	Connecting rod	Connecting rod
<b>7</b>		<b>Piston</b>	
7	0508 4045	Piston	Piston
<b>8</b>		<b>Cylinder head</b>	
8	0508 1177	Valve mechan.cover	Valve mechan.cover
8	0508 2179	Installation parts	Installation parts
8	0508 2914	Linkage	Linkage
8	0508 3098	Cylinder head	Cylinder head
8	0508 3566	Regulator	Regulator
8	0508 4023	Cool.water passage	Cool.water passage
<b>9</b>		<b>Timing chest</b>	
9	0508 3930	Idler gear	Idler gear
9	0508 3931	Idler gear	Idler gear
9	0508 4015	Idler gear	Idler gear
<b>10</b>		<b>Camshaft</b>	
10	0508 2130	Cover	Cover
10	0508 4011	Camshaft	Camshaft
10	0508 9370	Camshaft drive	Camshaft drive
<b>11</b>		<b>Timing gears</b>	
11	0508 1173	Protecting tube	Protecting tube
11	0508 1176	Rocker arm bracket	Rocker arm bracket
11	0508 3669	Valve bridge	Valve bridge
11	0508 4050	Valve drive	Valve drive
<b>14</b>		<b>Lube oil pump</b>	
14	0508 2121	Installation parts	Installation parts
14	0508 3464	Geared pump	Geared pump

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CG	ETL-No.	Designation (en)	Designation (en)
14	0508 4086	Lubricat. oil pump	Lubricat. oil pump
<b>15</b>		<b>Lube oil/-cooler</b>	
15	0508 1417	Lubric. oil filter	Lubric. oil filter
15	0508 3287	Oil cooler	Oil cooler
<b>16</b>		<b>Oil pipes</b>	
16	0508 0688	Lubricat. oil line	Lubricat. oil line
16	0508 1412	Lubricat. oil line	Lubricat. oil line
16	0508 1416	Piston cooling	Piston cooling
16	0508 1418	Lubricat. oil line	Lubricat. oil line
16	0508 1421	Pressure oil line	Pressure oil line
16	0508 1422	Oil drain	Oil drain
16	0508 2176	Lubricat. oil line	Lubricat. oil line
16	0508 2888	Blanking parts	Blanking parts
16	0508 2973	Oil line	Oil line
16	0508 3264	Oil line	Oil line
16	0508 3323	Oil line	Oil line
16	0508 3723	Oil suction line	Oil suction line
16	0508 3726	Oil suction line	Oil suction line
16	0508 3879	Oil press.reg.valv	Oil press.reg.valv
16	0508 3909	Oil line	Oil line
<b>17</b>		<b>Injection pump</b>	
17	0508 1246	Indicator	Indicator
17	0508 2139	Fastenings	Fastenings
17	0508 2211	Limit stop	Limit stop
17	0508 2502	Lp pipe	Lp pipe
17	0508 4174	Fuel inject. pump	Fuel inject. pump
17	0508 4175	Fuel inject. pump	Fuel inject. pump
<b>18</b>		<b>Injection pump drive</b>	
18	0508 4038	Inject. pump drive	Inject. pump drive
18	0508 4149	Multidisc clutch	Multidisc clutch
<b>19</b>		<b>Injector</b>	
19	0508 1860	Fuel injector	Fuel injector
19	0508 2165	Clamping yoke	Clamping yoke
19	0508 2166	Installation parts	Installation parts
<b>20</b>		<b>Fuel filter</b>	
20	0508 1866	Bracket	Bracket
20	0508 2350	Fuel duplex filter	Fuel duplex filter
20	0508 3908	Fuel pump	Fuel pump
<b>21</b>		<b>Fuel pipes/fuel tank</b>	
21	0508 2104	Hose assembly	Hose assembly
21	0508 2323	Leak off line	Leak off line
21	0508 3266	Fuel line	Fuel line
21	0508 3766	Fuel line	Fuel line
21	0508 3801	Accessories	Accessories
21	0508 3920	Fuel line	Fuel line
21	0508 4362	High pressure pipe	High pressure pipe
<b>22</b>		<b>Suction pipe/air cleaner</b>	
22	0508 3388	Filter insert	Filter insert
22	0508 4005	Air intake hood	Air intake hood
22	0508 4176	Filter	Filter

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CG	ETL-No.	Designation (en)	Designation (en)
<b>27</b>		<b>Speed control</b>	
27	0508 3643	Controller	Controller
27	0508 3923	Governor drive	Governor drive
<b>29</b>		<b>Control linkage</b>	
29	0508 1441	Control linkage	Control linkage
29	0508 4118	Clutch/coupling	Clutch/coupling
<b>34</b>		<b>Vibration damper</b>	
34	0508 2923	Vibration damper	Vibration damper
<b>36</b>		<b>Water cooler</b>	
36	0508 1452	Thermostat	Thermostat
36	0508 1883	Thermostat	Thermostat
36	0508 2620	Radiator bracket	Radiator bracket
36	0508 3913	Stack.plate cooler	Stack.plate cooler
<b>37</b>		<b>Cooling water pump</b>	
37	0508 3927	Raw water pump	Raw water pump
37	0508 4008	Centrifugal pump	Centrifugal pump
<b>38</b>		<b>Water pipes</b>	
38	0508 0789	Cooling water line	Cooling water line
38	0508 1450	Pipe elbow	Pipe elbow
38	0508 1456	Intake elbow	Intake elbow
38	0508 1458	Cooling water line	Cooling water line
38	0508 1459	Cooling water line	Cooling water line
38	0508 1892	Cooling water line	Cooling water line
38	0508 2437	Bypass line	Bypass line
38	0508 3322	Cooling water line	Cooling water line
38	0508 3340	Cover	Cover
38	0508 3341	Suction pipe	Suction pipe
38	0508 3343	Raw water line	Raw water line
38	0508 3349	Cooling water line	Cooling water line
38	0508 3350	Bracket	Bracket
38	0508 3435	Cooling water line	Cooling water line
38	0508 3436	Drain line	Drain line
38	0508 3437	Drain line	Drain line
38	0508 3439	Raw water line	Raw water line
38	0508 3682	Temper. controller	Temper. controller
38	0508 3683	Blanking parts	Blanking parts
38	0508 3684	Blanking parts	Blanking parts
38	0508 3750	Breather line	Breather line
38	0508 3751	Raw water line	Raw water line
38	0508 3757	Tube holder	Tube holder
38	0508 3758	Breather line	Breather line
38	0508 4160	Accessories	Accessories
<b>41</b>		<b>Exhaust manifold</b>	
41	0508 3865	Exhaust pipe	Exhaust pipe
41	0508 3866	Exhaust pipe	Exhaust pipe
41	0508 4331	Set of lines	Set of lines
<b>43</b>		<b>Turbocharger</b>	
43	0508 3286	Accessories	Accessories
<b>44</b>		<b>Alternator/starter motor</b>	
44	0502 9975	Parts of alternat.	Parts of alternat.
44	0508 0848	Starter motor	Starter motor

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CG	ETL-No.	Designation (en)	Designation (en)
44	0508 0900	Holder	Holder
44	0508 1261	Controller	Controller
44	0508 1966	Alternator	Alternator
44	0508 3310	Bracket	Bracket
44	0508 3778	Intake adapter	Intake adapter
<b>47</b>		<b>Engine mounting, flexible</b>	
47	0508 4361	Silentbloc	Silentbloc
<b>48</b>		<b>Electrical accessories</b>	
48	0501 8747	Repeater relay	Repeater relay
48	0502 6307	Temper.transmitter	Temper.transmitter
48	0503 3560	Temper.transmitter	Temper.transmitter
48	0503 3561	Switching device	Switching device
48	0503 3562	Temper.transmitter	Temper.transmitter
48	0506 5570	Switching device	Switching device
48	0506 6228	Pulse generator	Pulse generator
48	0506 6235	Time-delay-relay	Time-delay-relay
48	0508 2234	Flow switch	Flow switch
48	0508 2506	Flow switch	Flow switch
48	0508 2692	Switching device	Switching device
48	0508 2693	Temper.transmitter	Temper.transmitter
48	0508 3326	Float switch	Float switch
48	0508 3572	Switching device	Switching device
48	0508 3687	Mating part	Mating part
48	0508 3699	Cabling	Cabling
48	0508 3710	Cable terminal box	Cable terminal box
48	0508 3711	Pressure switch	Pressure switch
48	0508 3725	Monitoring	Monitoring
48	0508 3733	Pressure switch	Pressure switch
48	0508 3735	Blanking parts	Blanking parts
48	0508 3752	Switch mounting	Switch mounting
48	0508 3776	Accessories	Accessories
48	0508 3795	Fastenings	Fastenings
48	0508 3822	Temper.transmitter	Temper.transmitter
48	0508 3823	Temper.transmitter	Temper.transmitter
48	0508 3824	Temper.transmitter	Temper.transmitter
48	0508 4058	Bracket	Bracket
48	0508 4074	Monitoring	Monitoring
48	0508 4114	Switching device	Switching device
48	0508 4124	Switching device	Switching device
48	0508 4156	Measur. transducer	Measur. transducer
48	0508 4164	Cabling	Cabling
48	0508 4166	Cabling	Cabling
48	0508 4206	Thermocouple	Thermocouple
<b>49</b>		<b>Tools</b>	
49	0501 8702	Turn-over gear	Turn-over gear
49	0508 2770	Toolkit	Toolkit
49	0508 3665	Toolkit	Toolkit
<b>51</b>		<b>Measuring instruments</b>	
51	0503 7426	Pressure sensor	Pressure sensor
51	0508 2763	Panel assembly	Panel assembly
51	0508 2958	Pressure gauge	Pressure gauge
51	0508 2959	Pressure gauge	Pressure gauge

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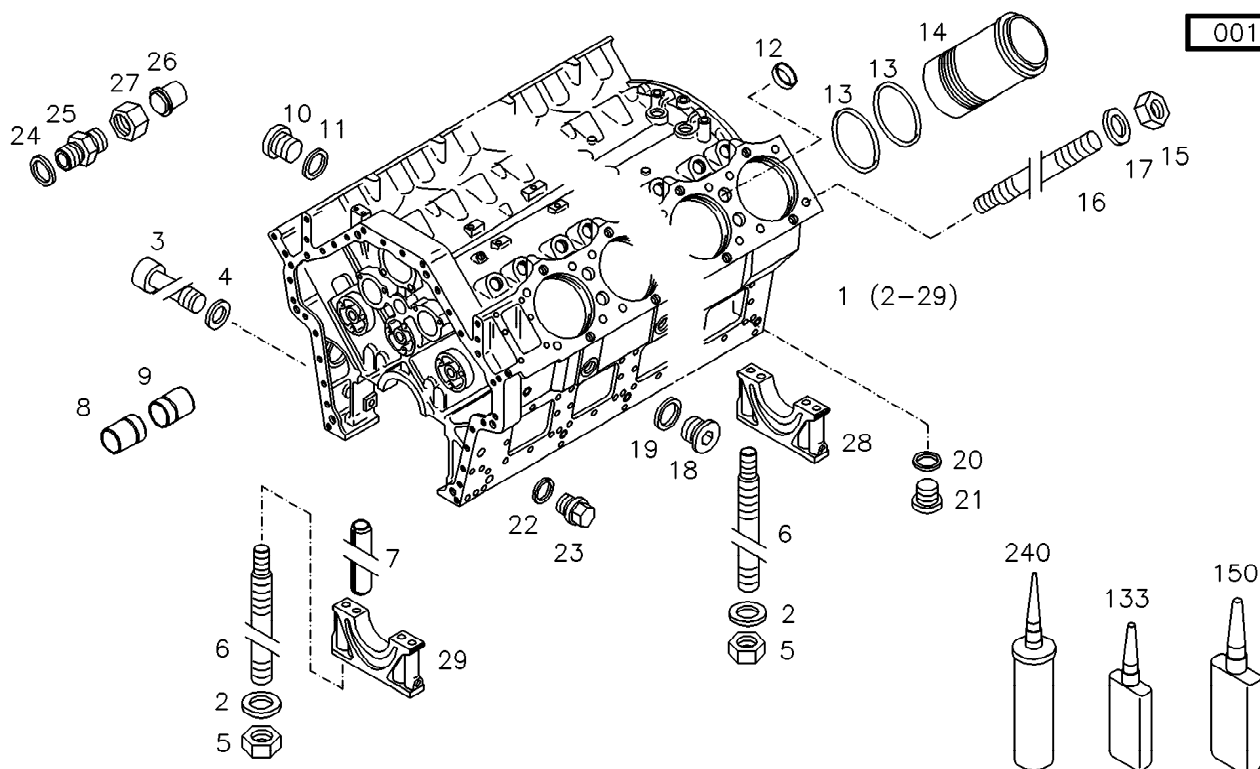
CG	ETL-No.	Designation (en)	Designation (en)
51	0508 2963	Thermometer	Thermometer
51	0508 3015	Bracket	Bracket
51	0508 3150	Pressure sensor	Pressure sensor
51	0508 3227	Indicator	Indicator
51	0508 3240	Signal light	Signal light
51	0508 3357	Signal light	Signal light
51	0508 3405	Sensor	Sensor
51	0508 3428	Pressure sensor	Pressure sensor
51	0508 3524	Temper.transmitter	Temper.transmitter
51	0508 3525	Temper.transmitter	Temper.transmitter
51	0508 3888	Temperature gauge	Temperature gauge
51	0508 4136	Tacho indicator	Tacho indicator
51	0508 4141	Instrument box	Instrument box
<b>56</b>		<b>Engine shutdown</b>	
56	0508 1249	Magnet/solenoid	Magnet/solenoid
<b>57</b>		<b>V-belt guard</b>	
57	0508 3629	Protection	Protection
<b>58</b>		<b>Intercooler</b>	
58	0508 2324	Radiator bracket	Radiator bracket
58	0508 2325	Radiator bracket	Radiator bracket
58	0508 2921	Charge air cooler	Charge air cooler
58	0508 3008	Fastenings	Fastenings
58	0508 3247	Cover	Cover
58	0508 3248	Cover	Cover
<b>63</b>		<b>Starting aid</b>	
63	0508 3674	Reservoir	Reservoir
63	0508 3975	Immers.heatg.body	Immers.heatg.body
<b>87</b>		<b>Charge air pipe</b>	
87	0508 1354	Intake manifold	Intake manifold
87	0508 2251	Bush	Bush
87	0508 2252	Cover	Cover
87	0508 2282	Bush	Bush
87	0508 2485	Cover	Cover
87	0508 2950	Air guidance	Air guidance
87	0508 2951	Air guidance	Air guidance
87	0508 3028	Charge air pipe	Charge air pipe

ETL no.: 0508 4018 Crankcase

Constr. Group: 01

Equipment: 62016000209  
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 ETL scope: EU249126

Engine type: TBD16 620V  
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0508 4018

Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	12137187				1	ST		Crankcase	Crankcase	WITH ITEM.... (2-29)
2	01176709				36	ST		Plain washer	Plain washer	
3	01154900				18	ST		Cheese head screw	Cheese head screw	
4	01176707				18	ST		Plain washer	Plain washer	
5	01176614				36	ST		Hexagon nut	Hexagon nut	
6	12027039				36	ST		Stud	Stud	
7	01176666				18	ST		Straight pin	Straight pin	
8	12137475				2	ST		Bearing bush	Bearing bush	
9	12137474				16	ST		Bearing bush	Bearing bush	
10	01110423				4	ST		Screw plug	Screw plug	
11	01118693				4	ST		Sealing ring	Sealing ring	
12	01151199				28	ST		Cover	Cover	
13	12027235	10	10		32	ST		O-ring	O-ring	
14	12135933	10	10		16	ST		Cylinder liner	Cylinder liner	
15	01176614				64	ST		Hexagon nut	Hexagon nut	
16	12136064				64	ST		Waisted stud	Waisted stud	
17	01176709				64	ST		Plain washer	Plain washer	
18	01176771				7	ST		Screw plug	Screw plug	
19	01151322				7	ST		Sealing ring	Sealing ring	
20	01118718				2	ST		Sealing ring	Sealing ring	
21	01151441				2	ST		Screw plug	Screw plug	
22	01118760				1	ST		Sealing ring	Sealing ring	

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Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
23	01110442				1	ST		Screw plug	Screw plug	
24	01118673				1	ST		Sealing ring	Sealing ring	
25	01119114				1	ST		Twin nipple	Twin nipple	
26	01216515				1	ST		Blank cone	Blank cone	
27	01119038				1	ST		Union nut	Union nut	
28	12030934				8	ST		Main bearing cap	Main bearing cap	
29	12030936				1	ST		Main bearing cap	Main bearing cap	
133	01016113	Kit !			1	ST		Safety/lock.agent	Safety/lock.agent	
150	01007689		20	20	1	ST		Safety/lock.agent	Safety/lock.agent	
240	01009885				1	ST		Packing compound	Packing compound	