

**Equipment information**

<b>Equipment:</b>	00002202149
<b>Type:</b>	TBD 8 616V
<b>Output:</b>	0000480,0 kW
<b>Speed:</b>	2100 1/min
<b>Build date:</b>	01.01.2001
<b>KLU-Number:</b>	
<b>ETL scope:</b>	EU013562
<b>MVS:</b>	211
<b>VKU date:</b>	06.02.2001

## Assembly group directory

<b>Equipment:</b>	00002202149	<b>Engine type:</b>	TBD 8 616V
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<b>ETL scope:</b>	EU013562		

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>	<b>Designation (en)</b>
<b>1</b>		<b>Crankcase</b>	
1	0509 4815	Locating bearing	Locating bearing
1	0509 5140	Crankcase breather	Crankcase breather
1	0509 5223	Mating part	Mating part
1	0509 5358	Main bearing	Main bearing
1	0509 6257	Crankcase	Crankcase
<b>2</b>		<b>Oil pan</b>	
2	0509 4912	Oil pan	Oil pan
2	0509 5498	Oil filler neck	Oil filler neck
<b>5</b>		<b>Crankshaft</b>	
5	0509 4773	Crankshaft	Crankshaft
5	0509 4865	Flywheel	Flywheel
5	0509 5295	Mass balancer	Mass balancer
5	0509 6211	V-grooved pulley	V-grooved pulley
<b>6</b>		<b>Connecting rod</b>	
6	0509 4762	Connecting rod	Connecting rod
<b>7</b>		<b>Piston</b>	
7	0509 4763	Piston	Piston
<b>8</b>		<b>Cylinder head</b>	
8	0509 5122	Valve mechan.cover	Valve mechan.cover
8	0509 6082	Cylinder head	Cylinder head
<b>9</b>		<b>Timing chest</b>	
9	0509 4842	Axle	Axle
9	0509 4844	Cover	Cover
9	0509 4845	Cover	Cover
9	0509 4847	Gearcase	Gearcase
9	0509 5477	Crankc. end cover	Crankc. end cover
<b>10</b>		<b>Camshaft</b>	
10	0509 4777	Camshaft	Camshaft
<b>11</b>		<b>Timing gears</b>	
11	0509 4979	Valve drive	Valve drive
11	0509 5017	Actuat. mechanism	Actuat. mechanism
<b>14</b>		<b>Lube oil pump</b>	
14	0509 4705	Lubricat. oil pump	Lubricat. oil pump
<b>15</b>		<b>Lube oil/-cooler</b>	
15	0509 4791	Lubric. oil filter	Lubric. oil filter
15	0509 6117	Oil cooler	Oil cooler
<b>16</b>		<b>Oil pipes</b>	
16	0509 5233	Lubricat. oil line	Lubricat. oil line
16	0509 5482	Oil suction line	Oil suction line
<b>17</b>		<b>Injection pump</b>	
17	0509 5096	Fastenings	Fastenings
17	0509 5277	Fuel inject. pump	Fuel inject. pump
17	0509 5443	Fuel supply pump	Fuel supply pump
17	0509 5492	Parts inject.pump	Parts inject.pump
17	0509 5493	Parts of governor	Parts of governor
17	0509 5494	Parts of governor	Parts of governor
17	0509 5515	Lubricat. oil line	Lubricat. oil line

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<b>18</b>		<b>Injection pump drive</b>	
18	0509 4817	Inject. pump drive	Inject. pump drive
18	0509 4872	Denture clutch	Denture clutch
18	0509 5808	Shaft coupling	Shaft coupling
<b>19</b>		<b>Injector</b>	
19	0509 5010	Fuel injector	Fuel injector
<b>20</b>		<b>Fuel filter</b>	
20	0509 1688	Fuel filter	Fuel filter
<b>21</b>		<b>Fuel pipes/fuel tank</b>	
21	0509 1983	Hose assembly	Hose assembly
21	0509 4886	High pressure pipe	High pressure pipe
21	0509 5194	Pipe/line/lead	Pipe/line/lead
21	0509 5224	Fuel line	Fuel line
<b>22</b>		<b>Suction pipe/air cleaner</b>	
22	0508 9170	Service gauge	Service gauge
22	0509 4875	Intake manifold	Intake manifold
22	0509 5001	Filter	Filter
22	0509 5144	Air filter fitment	Air filter fitment
<b>27</b>		<b>Speed control</b>	
27	0509 5426	Engine speed contr	Engine speed contr
<b>34</b>		<b>Vibration damper</b>	
34	0509 5206	Vibration damper	Vibration damper
<b>37</b>		<b>Cooling water pump</b>	
37	0509 1822	Cooling water pump	Cooling water pump
37	0509 5053	Idler gear	Idler gear
37	0509 5605	Tensioning pulley	Tensioning pulley
37	0509 5608	Pump assy	Pump assy
37	0509 6118	Centrifugal pump	Centrifugal pump
<b>38</b>		<b>Water pipes</b>	
38	0509 5117	Coolant pipe	Coolant pipe
38	0509 5145	Compensator	Compensator
38	0509 5966	Breather line	Breather line
38	0509 5992	Cooling water line	Cooling water line
38	0509 6116	Cooling water line	Cooling water line
<b>41</b>		<b>Exhaust manifold</b>	
41	0509 4679	Compensator	Compensator
41	0509 4997	Exhaust pipe	Exhaust pipe
41	0509 5666	Exhaust gas bend	Exhaust gas bend
<b>43</b>		<b>Turbocharger</b>	
43	0509 5135	Insulation	Insulation
43	0509 5160	Turbocharger	Turbocharger
43	0509 6303	Turbocharging assy	Turbocharging assy
<b>44</b>		<b>Alternator/starter motor</b>	
44	0500 3725	Protecting cap	Protecting cap
44	0509 0681	Cover	Cover
44	0509 4210	Starter	Starter
44	0509 5562	Parts start.motor	Parts start.motor
44	0509 5611	Narrow v-belt	Narrow v-belt
<b>46</b>		<b>Engine mounting, rigid</b>	

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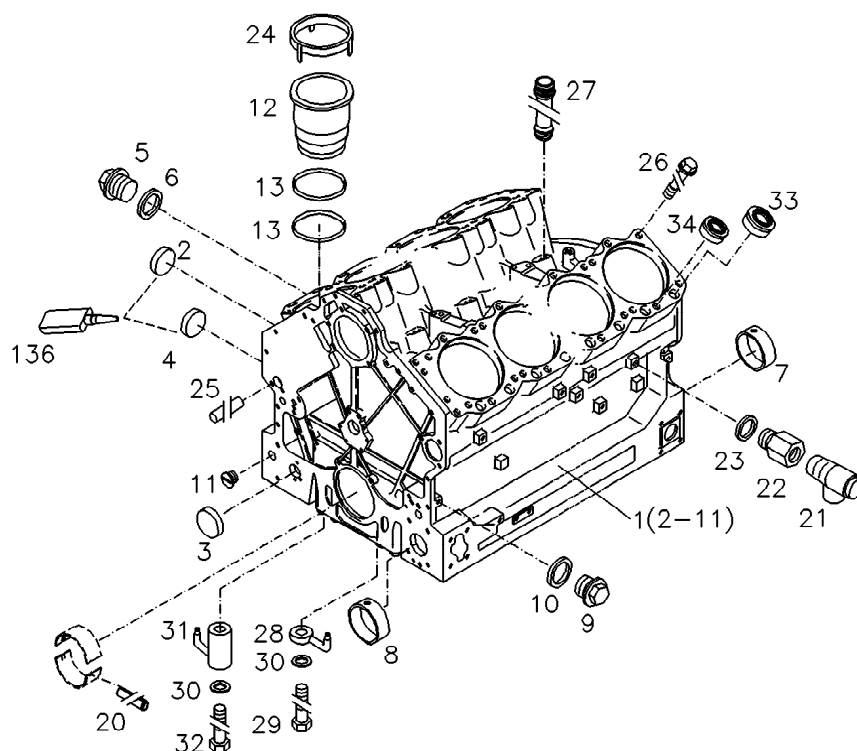
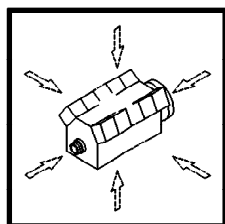
CG	ETL-No.	Designation (en)	Designation (en)
46	0509 4734	Engine mounting	Engine mounting
<b>48</b>		<b>Electrical accessories</b>	
48	0508 3752	Switch mounting	Switch mounting
48	0509 4922	Tin/box	Tin/box
48	0509 5431	Cabling	Cabling
48	0509 6056	Resist.thermometer	Resist.thermometer
48	0509 6231	Tacho-generator	Tacho-generator
48	0509 6277	Speed pickup	Speed pickup
<b>52</b>		<b>Clutch</b>	
52	0509 4810	Flywheel housing	Flywheel housing
<b>56</b>		<b>Engine shutdown</b>	
56	0509 5984	Shutdown device	Shutdown device
<b>58</b>		<b>Intercooler</b>	
58	0509 5142	Bracket	Bracket
58	0509 5993	Cooler assembly	Cooler assembly
<b>90</b>		<b>Set of parts</b>	
90	0507 0283	Cool.syst.protect.	Cool.syst.protect.
90	0509 5360	Gasket set	Gasket set
90	0509 5371	Gasket set	Gasket set
90	0509 5587	Gasket set	Gasket set

ETL no.: 0509 6257 Crankcase

Constr. Group: 01

Equipment: 00002202149  
 Output: 0000480,0 kW  
 ETL scope: EU013562

Engine type: TBD 8 616V  
 Speed: 2100 1/min



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0509 6257

Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	12312231				1	ST		Engine block	Engine block	WITH ITEM.... (2-11)
2	01144676				12	ST		Cover	Cover	
3	01152717				1	ST		Cover	Cover	
4	01152710				3	ST		Cover	Cover	
5	01118952				1	ST		Screw plug	Screw plug	
6	01118664				1	ST		Sealing ring	Sealing ring	
7	12313196	Kit !			1	ST		Bearing bush	Bearing bush	
8	12313195	Kit !			4	ST		Bearing bush	Bearing bush	
9	01152105		20	20	2	ST		Screw plug	Screw plug	
10	01118681				2	ST		Sealing ring	Sealing ring	
11	01165794				1	ST		Slotted plug	Slotted plug	
12	12275301	Kit !			8	ST		Cylinder liner	Cylinder liner	
13	01181927	Kit !			16	ST		O-seal	O-seal	
20	01115413				5	ST		Straight pin	Straight pin	
21	12188643				2	ST		Drain valve	Drain valve	
22	12161138				1	ST		Screw connector	Screw connector	
23	01118688				1	ST		Sealing ring	Sealing ring	
24	12275302	Kit !			8	ST		Sealing ring	Sealing ring	
25	01105181	Kit !			4	ST		Parallel pin	Parallel pin	
26	12163212	Kit !			32	ST		Hexagon bolt	Hexagon bolt	
27	12276145	Kit !			16	ST		Protecting tube	Protecting tube	
28	12277184	Kit !			4	ST		Nozzle	Nozzle	

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Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
29	01111151	Kit !	20	20	4	ST		Hexagon bolt	Hexagon bolt	
30	01107281	Kit !	10	10	8	ST		Spring washer	Spring washer	
31	12312130	Kit !			4	ST		Nozzle	Nozzle	
32	01111216	Kit !			4	ST		Hexagon bolt	Hexagon bolt	
33	12313400	Kit !			16	ST		Gasket	Gasket	
34	12313401	Kit !			16	ST		Gasket	Gasket	
136	01004100		10		1	ST		Safety/lock.agent	Safety/lock.agent	