

**Equipment information**

**Equipment:** 00000405492  
**Type:** BF 4M1012  
**Output:** 0000065,0 kW  
**Speed:** 2500 1/min  
**Build date:** 17.06.1999  
**KLU-Number:** 2500 1668/04  
**ETL scope:** EU114798  
**MVS:** 414

**VKU date:** 29.06.1999

**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:** 1

## Assembly group directory

<b>Equipment:</b>	00000405492	<b>Engine type:</b>	BF 4M1012
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<b>ETL scope:</b>	EU114798		

CG	ETL-No.	Designation (en)	Designation (en)
<b>1</b>		<b>Crankcase</b>	
1	0507 0027	Plug	Plug
1	0507 0148	Piston cool.nozzle	Piston cool.nozzle
1	0507 0177	Dipstick	Dipstick
1	0507 0272	Fastenings	Fastenings
1	0507 1690	Bleeding tube	Bleeding tube
1	0507 1695	Oil gauge	Oil gauge
1	0507 1876	Crankcase breather	Crankcase breather
1	0507 2341	Fastenings	Fastenings
1	0507 2884	Guide tube	Guide tube
1	0507 4427	Front cover	Front cover
1	0507 4440	Crankcase	Crankcase
<b>2</b>		<b>Oil pan</b>	
2	0507 0162	Oil pan	Oil pan
<b>5</b>		<b>Crankshaft</b>	
5	0507 0074	Vibration damper	Vibration damper
5	0507 0126	V-belt pulley assy	V-belt pulley assy
5	0507 0467	Fastenings	Fastenings
5	0507 0862	Flywheel	Flywheel
5	0507 1010	Accessories	Accessories
5	0507 2148	Crankshaft	Crankshaft
5	0507 2192	V-belt pulley assy	V-belt pulley assy
5	0507 2651	Dynamic balancer	Dynamic balancer
<b>6</b>		<b>Connecting rod</b>	
6	0507 0002	Connecting rod	Connecting rod
<b>7</b>		<b>Piston</b>	
7	0507 4445	Piston	Piston
<b>8</b>		<b>Cylinder head</b>	
8	0507 0003	Cylinder head	Cylinder head
8	0507 0164	Engine mounting	Engine mounting
8	0507 0427	Valve mechan.cover	Valve mechan.cover
8	0507 2648	Fastenings	Fastenings
8	0507 4490	Blanking parts	Blanking parts
<b>9</b>		<b>Timing chest</b>	
9	0507 1332	Gearcase	Gearcase
<b>10</b>		<b>Camshaft</b>	
10	0507 4435	Camshaft	Camshaft
<b>11</b>		<b>Timing gears</b>	
11	0507 2231	Rocker arm bracket	Rocker arm bracket
11	0507 4436	Valve drive	Valve drive
<b>15</b>		<b>Lube oil/-cooler</b>	
15	0503 7734	Filter cartridge	Filter cartridge
15	0507 0072	Blanking parts	Blanking parts
15	0507 0609	Oil cooler fasten.	Oil cooler fasten.
15	0507 1453	Fastenings	Fastenings
15	0507 1456	Fastenings	Fastenings
15	0507 1465	Hydraul.oil cooler	Hydraul.oil cooler
15	0507 1473	Oil cooler box	Oil cooler box
15	0507 2291	Oil cooler	Oil cooler

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CG	ETL-No.	Designation (en)	Designation (en)
<b>16</b>		<b>Oil pipes</b>	
16	0507 0503	Oil suction pipe	Oil suction pipe
<b>17</b>		<b>Injection pump</b>	
17	0507 0528	Roller tappet	Roller tappet
17	0507 1245	Fastenings	Fastenings
17	0507 2345	Fuel inject. pump	Fuel inject. pump
<b>19</b>		<b>Injector</b>	
19	0507 0015	Fastenings	Fastenings
19	0507 0146	Fuel injector	Fuel injector
<b>20</b>		<b>Fuel filter</b>	
20	0507 1031	Fastenings	Fastenings
20	0507 1050	Mating part	Mating part
20	0507 1680	Fuel pump	Fuel pump
20	0507 1791	Spin-on filter	Spin-on filter
<b>21</b>		<b>Fuel pipes/fuel tank</b>	
21	0507 1985	Fuel line	Fuel line
21	0507 2050	Overflow line	Overflow line
21	0507 2978	High pressure pipe	High pressure pipe
<b>22</b>		<b>Suction pipe/air cleaner</b>	
22	0507 0044	Charge air pipe	Charge air pipe
22	0507 0046	Interm.flange	Interm.flange
22	0507 0048	Plug	Plug
22	0507 0051	Manifold	Manifold
22	0507 1746	Cover	Cover
<b>27</b>		<b>Speed control</b>	
27	0507 0038	Idler gear	Idler gear
27	0507 0039	Inlet manifold	Inlet manifold
27	0507 0040	Fastenings	Fastenings
27	0507 1787	Controller	Controller
27	0507 2436	Control rod	Control rod
<b>36</b>		<b>Water cooler</b>	
36	0507 0712	Cooler assembly	Cooler assembly
36	0507 2348	Fastenings	Fastenings
36	0507 2351	Coolant cooler	Coolant cooler
<b>37</b>		<b>Cooling water pump</b>	
37	0507 0539	Fastenings	Fastenings
37	0507 0769	Cooling water pump	Cooling water pump
37	0507 2191	Narrow v-belt	Narrow v-belt
37	0507 2200	Driving parts	Driving parts
<b>38</b>		<b>Water pipes</b>	
38	0507 0079	Cooling water line	Cooling water line
38	0507 0309	Balancing line	Balancing line
38	0507 0462	Vent plug	Vent plug
38	0507 0541	Coolant pipe	Coolant pipe
38	0507 1341	Thermostat	Thermostat
<b>39</b>		<b>Cooling air blower</b>	
39	0507 0344	Air baffle	Air baffle
39	0507 0461	Mount	Mount
39	0507 0544	Breather line	Breather line
39	0507 0789	V-grooved pulley	V-grooved pulley

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CG	ETL-No.	Designation (en)	Designation (en)
39	0507 1934	Sealing section	Sealing section
39	0507 2273	Air guide ring	Air guide ring
39	0507 2539	Cooling fan	Cooling fan
<b>40</b>		<b>Cooling air ducting</b>	
40	0507 0715	Top part	Top part
40	0507 0716	Base	Base
40	0507 1916	Partit./bulkhead	Partit./bulkhead
40	0507 1919	Fastening rail	Fastening rail
40	0507 2544	Air baffle	Air baffle
40	0507 2545	Support plate	Support plate
40	0507 2546	End plate	End plate
40	0507 2551	Fixing bracket	Fixing bracket
40	0507 2554	Cover	Cover
40	0507 2575	Fastenings	Fastenings
<b>41</b>		<b>Exhaust manifold</b>	
41	0506 3108	Companion flange	Companion flange
41	0507 0043	Exhaust pipe	Exhaust pipe
41	0507 0324	Fastenings	Fastenings
<b>43</b>		<b>Turbocharger</b>	
43	0507 0042	Pipeline	Pipeline
43	0507 0058	Blanking parts	Blanking parts
43	0507 1028	Screw-in nipple	Screw-in nipple
43	0507 2751	Turbocharger	Turbocharger
<b>44</b>		<b>Alternator/starter motor</b>	
44	0506 4817	Generator	Generator
44	0506 4986	Parts of alternat.	Parts of alternat.
44	0507 0330	Accessories	Accessories
44	0507 0545	Set narrow v-belts	Set narrow v-belts
44	0507 0666	Fastenings	Fastenings
44	0507 0921	Driving parts	Driving parts
44	0507 2725	Starter	Starter
<b>47</b>		<b>Engine mounting, flexible</b>	
47	0507 0141	Accessories	Accessories
47	0507 0142	Accessories	Accessories
<b>48</b>		<b>Electrical accessories</b>	
48	0507 0149	Blanking parts	Blanking parts
48	0507 0265	Sensor	Sensor
48	0507 0295	Pressure sensor	Pressure sensor
48	0507 0312	Bracket	Bracket
48	0507 0313	Accessories	Accessories
48	0507 0754	Fastenings	Fastenings
48	0507 1107	Fastenings	Fastenings
48	0507 1169	Cover plate	Cover plate
48	0507 1486	Plug-in connector	Plug-in connector
48	0507 1488	Plug-in connector	Plug-in connector
48	0507 1489	Plug-in connector	Plug-in connector
48	0507 1704	Accessories	Accessories
48	0507 1706	Interconnect.cable	Interconnect.cable
48	0507 1818	Wiring	Wiring
48	0507 2236	Fastenings	Fastenings
48	0507 2238	Cable harness	Cable harness

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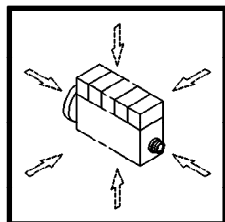
CG	ETL-No.	Designation (en)	Designation (en)
48	0507 2571	Interconnect.cable	Interconnect.cable
<b>51</b>		<b>Measuring instruments</b>	
51	0507 0263	Level switch	Level switch
51	0507 1231	Temper.transmitter	Temper.transmitter
51	0507 2373	Accessories	Accessories
<b>52</b>		<b>Clutch</b>	
52	0507 0032	Fastenings	Fastenings
52	0507 0175	Cover plate	Cover plate
52	0507 1186	Connection housing	Connection housing
<b>56</b>		<b>Engine shutdown</b>	
56	0507 0260	Accessories	Accessories
56	0507 1656	Shutdown device	Shutdown device
<b>63</b>		<b>Starting aid</b>	
63	0507 0225	Switching device	Switching device
63	0507 0306	Blanking parts	Blanking parts
63	0507 2357	Glow plug	Glow plug
<b>83</b>		<b>Hydraulic pump</b>	
83	0507 0066	Blanking parts	Blanking parts
83	0507 0067	Blanking parts	Blanking parts
83	0507 1160	Blanking parts	Blanking parts
<b>90</b>		<b>Set of parts</b>	
90	0507 0283	Cool.syst.protect.	Cool.syst.protect.
90	0507 0904	Gasket set	Gasket set

ETL no.: 0507 4440 Crankcase

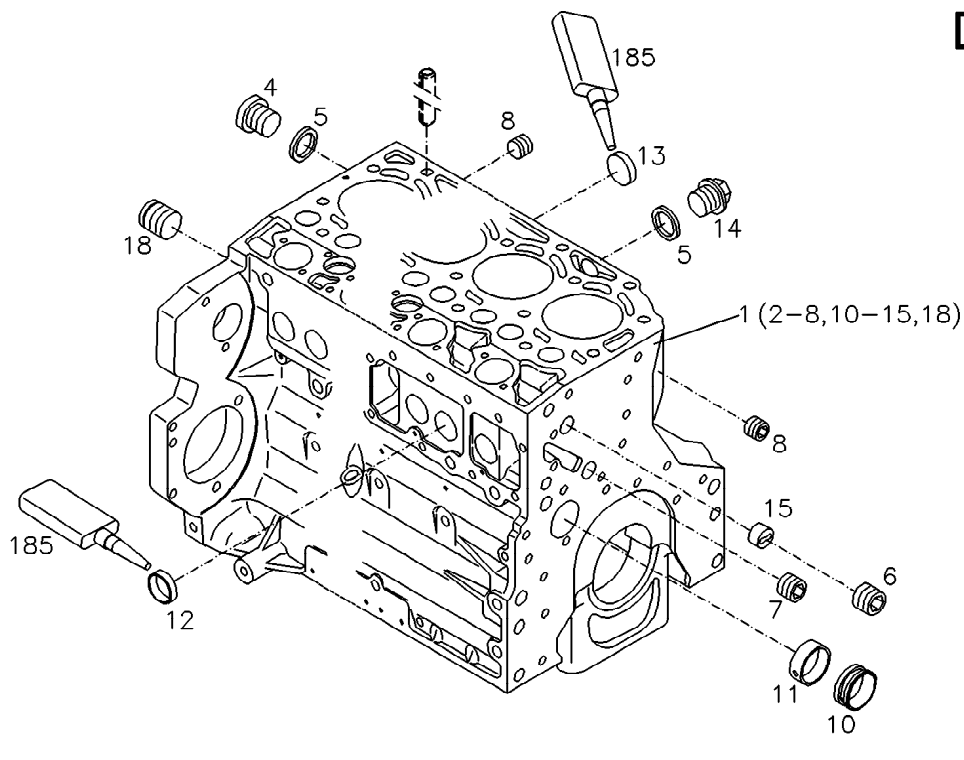
Constr. Group: 01

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001 ©



0507 4440

Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04255762		90	90	1	ST		Crankcase	Crankcase	WITH ITEM.... (2-8,10-15,18)
2	04250345	Kit !	90	90	10	ST		Hexagon bolt	Hexagon bolt	
3	04160764				10	ST		Bush	Bush	
4	01110423				1	ST		Screw plug	Screw plug	
5	01118693				3	ST		Sealing ring	Sealing ring	
6	01180890				1	ST		Screw plug	Screw plug	
7	01180906				1	ST		Screw plug	Screw plug	
8	01180891				2	ST		Screw plug	Screw plug	
10	04251884	Kit !			4	ST		Bearing bush	Bearing bush	
11	04250086	Kit !			1	ST		Bearing bush	Bearing bush	
12	01148032				6	ST		Cover	Cover	
13	01148031				4	ST		Cover	Cover	
14	01100940				2	ST		Screw plug	Screw plug	
15	04202518				1	ST		Guide sleeve	Guide sleeve	
18	01181155				1	ST		Screw plug	Screw plug	
185	01016127		20	20	1	KG		Safety/lock.agent	Safety/lock.agent	