

**Equipment information**

**Equipment:** 00000761449  
**Type:** F 4L2011  
**Output:** 0000039,9 kW  
**Speed:** 2300 1/min  
**Build date:** 01.10.2002  
**KLU-Number:** 2500 3968/03  
**ETL scope:** EU071635  
**MVS:** 011

**VKU date:** 26.11.2002  
**VKU' date:**  
**Commissioning date:** 23.12.2002  
**Begin of guarantee period:** 23.12.2002  
**Man. begin of guar. period:** no  
**End of guarantee period:**  
**ID maintenance contract:**  
**ID insurance contract:**  
**Guarantee package:** 18

## Assembly group directory

<b>Equipment:</b>	00000761449	<b>Engine type:</b>	F 4L2011
<b>Output:</b>	0000039,9 kW	<b>Speed:</b>	2300 1/min
<b>ETL scope:</b>	EU071635		

CG	ETL-No.	Designation (en)	Designation (en)
<b>1</b>		<b>Crankcase</b>	
1	0505 1009	Rear end cover	Rear end cover
1	0507 4246	Engine block	Engine block
1	0507 7829	Dipstick	Dipstick
<b>2</b>		<b>Oil pan</b>	
2	0507 4179	Oil pan	Oil pan
<b>5</b>		<b>Crankshaft</b>	
5	0505 1752	Power take-off	Power take-off
5	0506 8138	Crankshaft	Crankshaft
5	0507 4151	Flywheel	Flywheel
5	0507 4230	Accessories	Accessories
<b>6</b>		<b>Connecting rod</b>	
6	0506 8010	Connecting rod	Connecting rod
<b>7</b>		<b>Piston</b>	
7	0507 4260	Piston	Piston
<b>8</b>		<b>Cylinder head</b>	
8	0506 7612	Filler cap	Filler cap
8	0506 9027	Valve mechan.cover	Valve mechan.cover
8	0507 4224	Fastenings	Fastenings
8	0507 4232	Cylinder head	Cylinder head
<b>10</b>		<b>Camshaft</b>	
10	0507 4168	Camshaft	Camshaft
10	0507 4201	Protection hood	Protection hood
10	0507 4205	Fastenings	Fastenings
10	0507 4223	Camshaft drive	Camshaft drive
<b>11</b>		<b>Timing gears</b>	
11	0505 1930	Rocker arm bracket	Rocker arm bracket
11	0506 7617	Valve drive	Valve drive
<b>14</b>		<b>Lube oil pump</b>	
14	0507 4219	Lubricat. oil pump	Lubricat. oil pump
<b>15</b>		<b>Lube oil/-cooler</b>	
15	0506 4400	Lubric. oil filter	Lubric. oil filter
15	0506 7661	Bracket	Bracket
15	0506 7780	Oil cooler	Oil cooler
<b>16</b>		<b>Oil pipes</b>	
16	0506 7625	Oil suction line	Oil suction line
16	0506 7710	Heater connection	Heater connection
<b>17</b>		<b>Injection pump</b>	
17	0506 7639	Screw plug	Screw plug
17	0507 4032	Fuel inject. pump	Fuel inject. pump
17	0507 4066	Fastenings	Fastenings
<b>19</b>		<b>Injector</b>	
19	0507 4240	Fuel injector	Fuel injector
<b>20</b>		<b>Fuel filter</b>	
20	0504 2000	Filter cartridge	Filter cartridge
20	0506 7638	Fuel supply pump	Fuel supply pump
20	0506 8026	Bracket	Bracket
<b>21</b>		<b>Fuel pipes/fuel tank</b>	

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CG	ETL-No.	Designation (en)	Designation (en)
21	0506 8027	Fuel line	Fuel line
21	0506 8105	Fuel line	Fuel line
21	0507 4040	High pressure pipe	High pressure pipe
21	0507 4317	Overflow line	Overflow line
21	0507 4321	Fuel line	Fuel line
<b>22</b>		<b>Suction pipe/air cleaner</b>	
22	0505 1624	Flange	Flange
22	0506 3419	Blanking parts	Blanking parts
22	0507 4094	Suction pipe	Suction pipe
<b>26</b>		<b>Heater plug installation</b>	
26	0506 3365	Glow plug	Glow plug
<b>27</b>		<b>Speed control</b>	
27	0506 3347	Blanking parts	Blanking parts
27	0506 3370	Torge adapter	Torge adapter
27	0506 7616	Control rod	Control rod
27	0507 7852	Front cover/govern	Front cover/govern
<b>33</b>		<b>Air compressor</b>	
33	0507 4236	Blanking parts	Blanking parts
<b>39</b>		<b>Cooling air blower</b>	
39	0505 1119	Tensioning pulley	Tensioning pulley
39	0506 3447	Narrow v-belt	Narrow v-belt
39	0506 7679	Sealing section	Sealing section
39	0506 7681	Blower jacket	Blower jacket
39	0507 4177	Cooling fan	Cooling fan
39	0507 4360	Cap	Cap
<b>40</b>		<b>Cooling air ducting</b>	
40	0506 7794	Air guide hood	Air guide hood
40	0506 8013	Sectional rubber	Sectional rubber
40	0506 8215	Air guidance	Air guidance
40	0507 4087	Air duct rear wall	Air duct rear wall
40	0507 4088	Fastenings	Fastenings
<b>41</b>		<b>Exhaust manifold</b>	
41	0506 4190	Flange	Flange
41	0506 9185	Exhaust manifold	Exhaust manifold
<b>44</b>		<b>Alternator/starter motor</b>	
44	0506 8182	Generator	Generator
44	0507 4199	Starter	Starter
<b>48</b>		<b>Electrical accessories</b>	
48	0506 7765	Transmitter mount.	Transmitter mount.
<b>51</b>		<b>Measuring instruments</b>	
51	0506 7636	Oil pressur.switch	Oil pressur.switch
51	0506 7637	Temper.transmitter	Temper.transmitter
<b>52</b>		<b>Clutch</b>	
52	0505 1756	Cover plate	Cover plate
52	0506 9152	Adapter housing	Adapter housing
<b>56</b>		<b>Engine shutdown</b>	
56	0507 4254	Shutdown device	Shutdown device
<b>90</b>		<b>Set of parts</b>	
90	0506 8247	Supplem.gasket set	Supplem.gasket set

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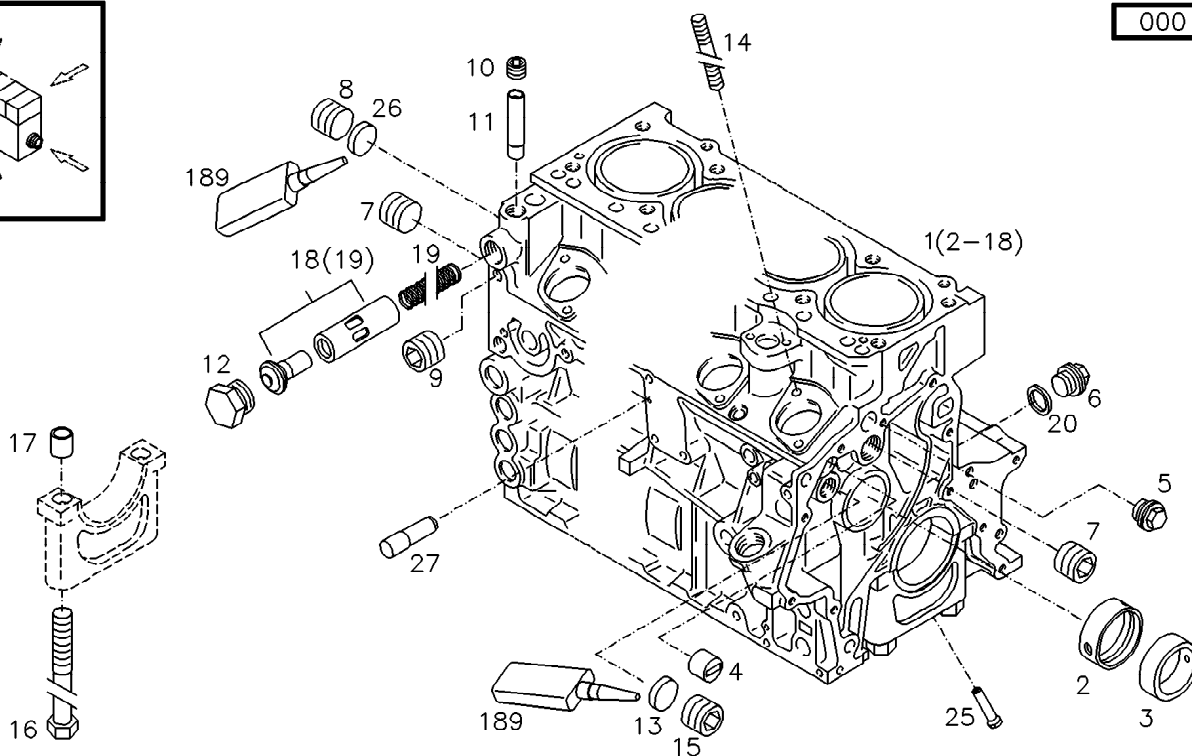
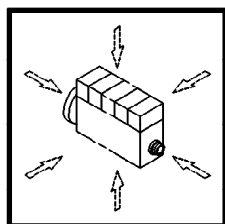
CG	ETL-No.	Designation (en)	Designation (en)
90	0507 7823	Gasket set	Gasket set

ETL no.: 0507 4246 Engine block

Constr. Group: 01

Equipment: 00000761449  
Output: 0000039,9 kW  
ETL scope: EU071635

Engine type: F 4L2011  
Speed: 2300 1/min



0507 4246

Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04280416				1	ST		Engine block	Engine block	WITH ITEM.... (2-18)
2	04178155	Kit !			2	ST		Wrapped bear. bush	Wrapped bear. bush	
3	04178154	Kit !			3	ST		Wrapped bear. bush	Wrapped bear. bush	
4	04287999				2	ST		Guide sleeve	Guide sleeve	
5	04178741				1	ST		Screw plug	Screw plug	
6	01110422				1	ST		Screw plug	Screw plug	
7	04271453				2	ST		Screw plug	Screw plug	
8	01180891				1	ST		Screw plug	Screw plug	
9	01180889				1	ST		Screw plug	Screw plug	
10	01180887				1	ST		Screw plug	Screw plug	
11	04178218				1	ST		Tube	Tube	
12	04270312				1	ST		Screw plug	Screw plug	WITH ITEM.... (40)
13	01181259				1	ST		Core hole plug	Core hole plug	
14	01179646		90	90	8	ST		Stud	Stud	
15	01180888				2	ST		Screw plug	Screw plug	
16	02108134	Kit !			8	ST		Hexagon bolt	Hexagon bolt	
17	03362279				8	ST		Bush	Bush	
18	04179928	Kit !	90	90	1	ST		Thermostat	Thermostat	WITH ITEM.... (19)
19	04178238				1	ST		Compression spring	Compression spring	
20	01118673				1	ST		Sealing ring	Sealing ring	

Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
25	04178452				8	ST		Piston cool.nozzle	Piston cool.nozzle	
26	01148153				1	ST		Cover	Cover	
27	04179960				1	ST		Pin	Pin	
40	01180446				1	ST		O-seal	O-seal	
189	01016125		20	20	1	KG		Safety/lock.agent	Safety/lock.agent	

## Materials order list

Order:  
User:  
Date of maintenance measure:

Customer:  
Reference:  
Equipment: 00000761449

Date/Time: 2021.02.20 11:54:36  
EL-ID: 2011M; EL-No.: 03123552  
Equipment: 00000761449  
Engine type: F 4L2011  
Materials for maintenance measure:  
E30 -- inspection  
E40 -- 1st extended inspection  
E50 -- 2nd extended inspection  
E60 -- intermediate overhaul  
E70 -- major overhaul  
EB KK 1 -- initial stock CC1  
EB KK 2 -- initial stock CC2  
EB KK 3 -- initial stock CC3  
NT KK 1 -- standard parts CC1  
NT KK 2 -- standard parts CC2

No	Qty	Material	MS	VS	Weight	Total ..	Unit Price	Total Price	Designation	from ETL	AG	Item	Service	EL-ID	ID-No.	Quantity used
0001000	1	0118 0693			0,001	0,001			O-seal	0507 7829	1	2	E30	2011M	0010050	1
0002000	2	0111 8718			0,002	0,004			Sealing ring	0507 4179	2	4	E30	2011M	0020002	2
0003000	10	0101 7932			0,000	0,000			Engine oil	0507 4179	2	10	E30	2011M	0020050	10
0004000	1	0417 9847	90	90	0,041	0,041			Gasket	0506 9027	8	2	E30	2011M	0080004	1
0005000	1	0117 4416			0,328	0,328			Spin-on oil filter	0506 4400	15	1	E30	2011M	0150001	1
0006000	1	0118 0693			0,001	0,001			O-seal	0507 7829	1	2	E40	2011M	0010050	1
0007000	2	0111 8718			0,002	0,004			Sealing ring	0507 4179	2	4	E40	2011M	0020002	2
0008000	10	0101 7932			0,000	0,000			Engine oil	0507 4179	2	10	E40	2011M	0020050	10
0009000	1	0417 9847	90	90	0,041	0,041			Gasket	0506 9027	8	2	E40	2011M	0080004	1
0010000	1	0117 4416			0,328	0,328			Spin-on oil filter	0506 4400	15	1	E40	2011M	0150001	1
0011000	1	0117 4696			0,284	0,284			Spin-on fuel filt.	0504 2000	20	1	E40	2011M	0200011	1
0012000	1	0118 0693			0,001	0,001			O-seal	0507 7829	1	2	E50	2011M	0010050	1
0013000	2	0111 8718			0,002	0,004			Sealing ring	0507 4179	2	4	E50	2011M	0020002	2
0014000	10	0101 7932			0,000	0,000			Engine oil	0507 4179	2	10	E50	2011M	0020050	10
0015000	1	0417 9847	90	90	0,041	0,041			Gasket	0506 9027	8	2	E50	2011M	0080004	1
0016000	1	0417 3067			0,194	0,194			Thrust washer	0507 4168	10	1	E50	2011M	0100002	1
0017000	1	0417 4764			0,750	0,750			Synchr.belt pulley	0507 4223	10	1	E50	2011M	0100010	1
0018000	1	0293 1292	90	90	0,903	0,903			Repair kit	0507 4223	10	10	E50	2011M	0100013	1
0019000	1	0117 4416			0,328	0,328			Spin-on oil filter	0506 4400	15	1	E50	2011M	0150001	1
0020000	1	0117 4696			0,284	0,284			Spin-on fuel filt.	0504 2000	20	1	E50	2011M	0200011	1