



# Spare Parts Catalog

BF 4M2011 s/n 10117463

**Equipment information**

**Equipment:** 00010117463  
**Type:** BF 4M2011  
**Output:** 0000047,3 kW  
**Speed:** 1800 1/min  
**Build date:** 03.02.2006  
**KLU-Number:** 2500 6198/70019277  
**ETL scope:** EU450418  
**MVS:** 241

**Customer:** Channel Distribution  
**Location:** Itasca (91), IL  
**Country:** USA

**VKU date:** 15.02.2006  
**VKU' date:**  
**Commissioning date:** 25.05.2006  
**Begin of guarantee period:** 25.05.2006  
**Man. begin of guar. period:** no  
**End of guarantee period:**  
**ID maintenance contract:**  
**ID insurance contract:**  
**Guarantee package:** 1

## Assembly group directory

Equipment: 00010117463  
 Output: 0000047,3 kW  
 ETL scope: EU450418

Engine type: BF 4M2011  
 Speed: 1800 1/min

CG	ETL-No.	Designation (en)	Designation (en)
<b>1</b>		<b>Crankcase</b>	
1	0506 9013	Screw plug	Screw plug
1	0507 4231	Crankcase breather	Crankcase breather
1	0507 7827	Dipstick	Dipstick
1	0507 9161	Engine block	Engine block
1	0507 9188	Rear end cover	Rear end cover
<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	0507 7880	Connecting rod	Connecting rod
<b>7</b>		<b>Piston</b>	
7	0507 9253	Piston	Piston
<b>8</b>		<b>Cylinder head</b>	
8	0506 7612	Filler cap	Filler cap
8	0506 9155	Valve mechan.cover	Valve mechan.cover
8	0507 4211	Cylinder head	Cylinder head
8	0507 7836	Fastenings	Fastenings
<b>10</b>		<b>Camshaft</b>	
10	0507 9021	Fastenings	Fastenings
10	0507 9186	Camshaft drive	Camshaft drive
10	0507 9197	Protection hood	Protection hood
10	0511 3634	Camshaft	Camshaft
<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 9248	Oil pump	Oil pump
<b>15</b>		<b>Lube oil/-cooler</b>	
15	0506 4400	Lubric. oil filter	Lubric. oil filter
15	0507 7896	Bracket	Bracket
15	0507 7917	Pilot line	Pilot line
<b>16</b>		<b>Oil pipes</b>	
16	0506 7624	Press.relief valve	Press.relief valve
16	0506 7625	Oil suction line	Oil suction line
16	0506 7764	Lubricat. oil line	Lubricat. oil line
16	0506 8145	Radiator connect.	Radiator connect.
16	0507 4186	Oil return pipe	Oil return pipe
<b>17</b>		<b>Injection pump</b>	
17	0506 7639	Screw plug	Screw plug
17	0511 3631	Fuel inject. pump	Fuel inject. pump
17	0511 3632	Fastenings	Fastenings
<b>19</b>		<b>Injector</b>	
19	0507 9013	Fuel injector	Fuel injector

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<b>ETL scope:</b>	EU450418		

CG	ETL-No.	Designation (en)	Designation (en)
<b>20</b>		<b>Fuel filter</b>	
20	0504 2000	Filter cartridge	Filter cartridge
20	0506 8026	Bracket	Bracket
20	0507 9014	Fuel supply pump	Fuel supply pump
<b>21</b>		<b>Fuel pipes/fuel tank</b>	
21	0507 9002	Fuel line	Fuel line
21	0507 9015	High pressure pipe	High pressure pipe
21	0507 9170	Fuel filter	Fuel filter
21	0507 9172	Fuel line	Fuel line
21	0507 9296	Fuel line	Fuel line
21	0507 9299	Fuel line	Fuel line
<b>22</b>		<b>Suction pipe/air cleaner</b>	
22	0506 3419	Blanking parts	Blanking parts
22	0506 8283	Blanking parts	Blanking parts
22	0507 4033	Accessories	Accessories
22	0507 9209	Charge air pipe	Charge air 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 7616	Control rod	Control rod
27	0507 7923	Limit stop	Limit stop
27	0507 9260	Front cover/govern	Front cover/govern
<b>33</b>		<b>Air compressor</b>	
33	0507 4236	Blanking parts	Blanking parts
<b>41</b>		<b>Exhaust manifold</b>	
41	0506 3108	Companion flange	Companion flange
41	0506 9187	Exhaust manifold	Exhaust manifold
<b>43</b>		<b>Turbocharger</b>	
43	0507 9091	Turbocharger	Turbocharger
<b>44</b>		<b>Alternator/starter motor</b>	
44	0506 8114	Generator mounting	Generator mounting
44	0506 9189	Cooling air baffle	Cooling air baffle
44	0507 9132	Generator	Generator
44	0507 9244	Starter	Starter
<b>48</b>		<b>Electrical accessories</b>	
48	0507 9141	Connecting pipe	Connecting pipe
<b>51</b>		<b>Measuring instruments</b>	
51	0506 8117	Oil pressur.switch	Oil pressur.switch
51	0511 3667	Temper.transmitter	Temper.transmitter
<b>52</b>		<b>Clutch</b>	
52	0507 4074	Connecting plate	Connecting plate
<b>56</b>		<b>Engine shutdown</b>	
56	0507 9085	Shutdown device	Shutdown device
56	0507 9139	Fastenings	Fastenings
56	0507 9140	Blanking parts	Blanking parts
<b>90</b>		<b>Set of parts</b>	
90	0507 4086	Supplem.gasket set	Supplem.gasket set
90	0507 7823	Gasket set	Gasket set

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<b>ETL scope:</b>	EU450418		

CG	ETL-No.	Designation (en)	Designation (en)
90	0511 9030	Engine oil	Engine oil

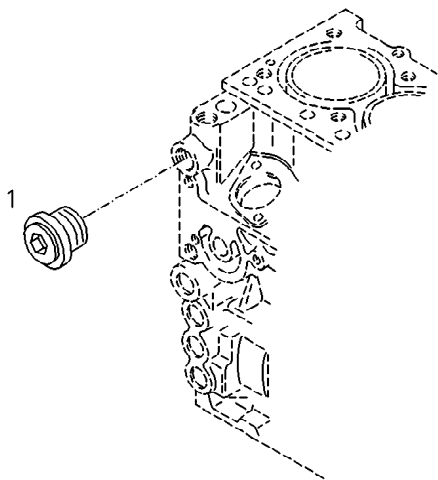
ETL no.: 0506 9013    Screw plug

Constr. Group: 01

Equipment: 00010117463  
Output: 0000047,3 kW  
ETL scope: EU450418

Engine type: BF 4M2011  
Speed: 1800 1/min

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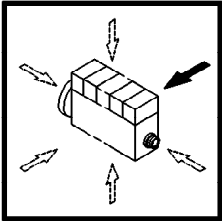


0506 9013

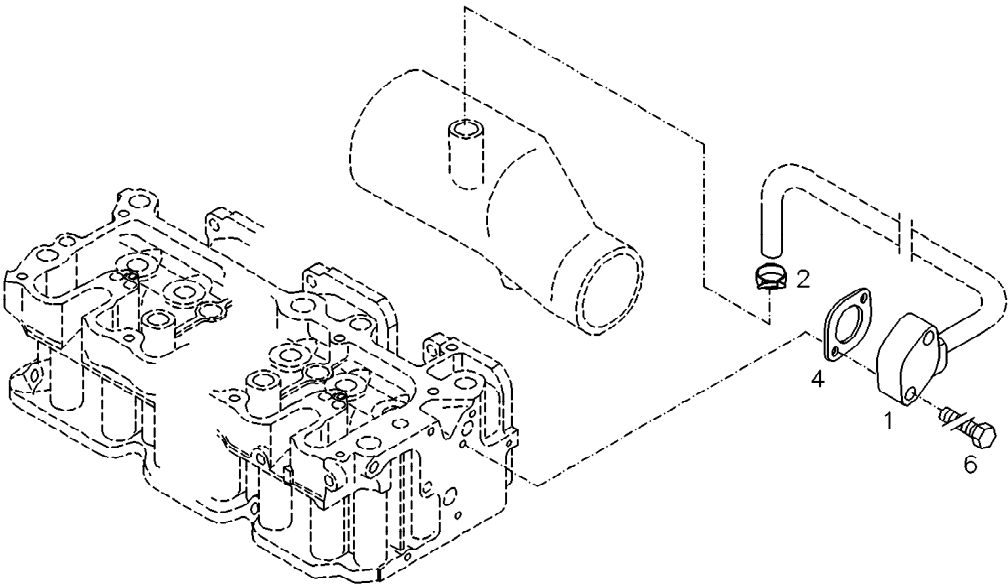
Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04270310			1	ST		Screw plug	Screw plug	

ETL no.: 0507 4231    Crankcase breather    Constr. Group: 01

Equipment:	00010117463	Engine type:	BF 4M2011
Output:	0000047,3 kW	Speed:	1800 1/min
ETL scope:	EU450418		



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0507 4231

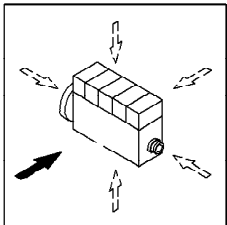
Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04280348				1	ST		Breather pipe	Breather pipe	
2	01178746				1	ST		Spring band clamp	Spring band clamp	
4	04271080				1	ST		Gasket	Gasket	
6	01181882				2	ST		Hexagon bolt	Hexagon bolt	

ETL no.: 0507 7827 Dipstick

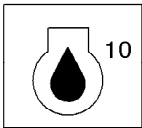
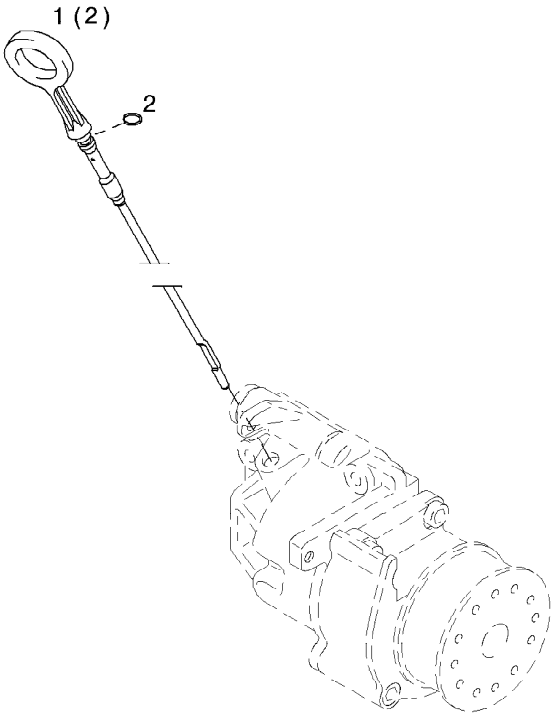
Constr. Group: 01

Equipment: 00010117463  
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ETL scope: EU450418

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Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04272812	Kit !		1	ST		Dipstick	Dipstick	WITH ITEM.... (2)
2	01180693	Kit !		1	ST		O-seal	O-seal	
10	01017932	Kit !	AR	1	L		Engine oil	Engine oil	Material no.: only for quantity calculation

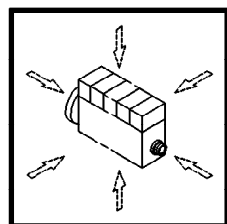


ETL no.: 0507 9161 Engine block

Constr. Group: 01

Equipment: 00010117463  
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 ETL scope: EU450418

Engine type: BF 4M2011  
 Speed: 1800 1/min



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0507 9161

Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04281941				1	ST		Engine block	Engine block	Mit Pos...(2-19)
3	04178154				3	ST		Wrapped bear. bush	Wrapped bear. bush	
4	04287999				2	ST		Guide sleeve	Guide sleeve	
5	04178741				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	Mit Pos....(40)
14	01182090				8	ST		Stud	Stud	
15	01180888				1	ST		Screw plug	Screw plug	
16	02108134				10	ST		Hexagon bolt	Hexagon bolt	
17	03362279				10	ST		Bush	Bush	
18	04179928	90	90		1	ST		Thermostat	Thermostat	Mit Pos....(19)
19	04178238				1	ST		Compression spring	Compression spring	
25	04178452				8	ST		Piston cool.nozzle	Piston cool.nozzle	
26	01148153				1	ST		Cover	Cover	
27	01180886				1	ST		Screw plug	Screw plug	
28	01110422				1	ST		Screw plug	Screw plug	
29	01118673				1	ST		Sealing ring	Sealing ring	
40	01180446				1	ST		O-seal	O-seal	
189	01016125	20	20		0,010	KG		Safety/lock.agent	Safety/lock.agent	