



# Spare Parts Catalog

BF 4M2012 s/n 10049619

**Equipment information**

**Equipment:** 00010049619  
**Type:** BF 4M2012  
**Output:** 0000074,9 kW  
**Speed:** 2500 1/min  
**Build date:** 01.09.2005  
**KLU-Number:** 2500 4511/70010039  
**ETL scope:** EU468329  
**MVS:** 259

**Customer:** SRC Logistics  
**Location:** Springfield  
**Country:** USA

**VKU date:** 06.09.2005

**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

===DEUTZ WARRANTY PROGRAMME "1"===

===STANDARD WARRANTY FOR SMALL ENGINES===

WARRANTY OF 36 MONTHS FROM COMMISSIONING (IBS), MAX. 42 MONTHS FROM DELIVERY (VKU'), WHATEVER OCCURS FIRST. IN THE 1ST AND 2ND YEAR AFTER IBS, THE WARRANTY REFERS TO ALL PARTS AND COMPONENTS AND IS, IN THE 2ND YEAR AFTER IBS, RESTRICTED TO THE INDICATED NUMBER OF OPERATING HOURS (BH) (ACCUMULATED). THE WARRANTY FOR ALL COMPONENTS ENDS AT THE LATEST 30 MONTHS AFTER VKU'. THE 3RD YEAR AFTER IBS COVERS THE MAIN COMPONENTS CRANKCASE, CRANKSHAFT, CAMSHAFT, CONROD AND CYLINDER HEAD BLANK. IN THE 3RD YEAR AFTER IBS, THE WARRANTY IS RESTRICTED TO THE INDICATED NUMBER OF OPERATING HOURS (ACCUMULATED) PER SERIES. THE WARRANTY FOR THE MAIN COMPONENTS ENDS AT THE LATEST 42 MONTHS AFTER VKU'.

THE CONVERSION OF THE NUMBER OF OPERATING HOURS TO A KM-LIMITATION IS BASED ON AN ASSUMED AVERAGE VELOCITY OF 50 KM/H.

TO ENABLE OUR SUBSIDIARIES AND DEALERS IN EUROPE TO TRANSMIT THE RESPECTIVE STANDARD WARRANTY TO THE OEM'S, AN ADDITIONAL PERIOD OF 3 MONTHS AS TRANSFER TIME TO AND RETENTION TIME IN THE DEUTZ SALES ORGANISATION HAS BEEN PROVIDED FOR. FOR SUBSIDIARIES AND DEALERS OUTSIDE OF EUROPE, THE TRANSFER- AND RETENTION TIME IS 6 MONTHS. IF THE MAXIMUM TRANSFER TIME TO AND RETENTION TIME IN THE DEUTZ SALES ORGANISATION OF 3 OR 6 MONTHS IS EXCEEDED, THE WARRANTY DURATION IS ACCORDINGLY REDUCED. IT MUST BE OBSERVED THAT ENGINES STORED FOR A LONGER PERIOD OF TIME MUST BE CHECKED BY THE DEUTZ SALES ORGANISATION PRIOR TO BEING DELIVERED TO THE OEM. IT MUST BE MADE SURE THAT ONLY ENGINES IN PROPER CONDITION MEETING THE LATEST STATE OF THE ART ARE DELIVERED TO THE CUSTOMER.

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**RESTRICTION OF RUNNING HOURS ENGINES**

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SERIES	2YD YEAR FROM IBS	3RD YEAR FROM IBS
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2009, 2011, 2.9, 3.6, , , , ,	MAX. 2.000 RH	MAX. 3.000 RH
1013, 2012, 2013, 91X, 4.1, 6.1, 7.8	MAX. 3.000 RH	MAX. 4.500 RH

Equipment information

413, 513, 1015, 2015, 12.0, 16.0    MAX. 5.000 RH    MAX. 7.500 RH

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## Assembly group directory

Equipment: 00010049619  
 Output: 0000074,9 kW  
 ETL scope: EU468329

Engine type: BF 4M2012  
 Speed: 2500 1/min

CG	ETL-No.	Designation (en)	Designation (en)
<b>1</b>		<b>Crankcase</b>	
1	0507 1876	Crankcase breather	Crankcase breather
1	0507 2355	Piston cool.nozzle	Piston cool.nozzle
1	0507 2810	Bush	Bush
1	0507 2823	Fastenings	Fastenings
1	0507 4909	Oil gauge	Oil gauge
1	0507 6454	Bleeding tube	Bleeding tube
1	0507 8016	Oil filler neck	Oil filler neck
1	0507 8787	Dipstick	Dipstick
1	0507 8908	Frontcover-oilpump	Frontcover-oilpump
1	0507 8942	Crankcase	Crankcase
<b>2</b>		<b>Oil pan</b>	
2	0507 0162	Oil pan	Oil pan
<b>5</b>		<b>Crankshaft</b>	
5	0507 0346	Flywheel	Flywheel
5	0507 0383	Fastenings	Fastenings
5	0507 2759	Plug	Plug
5	0507 8756	Dynamic balancer	Dynamic balancer
5	0507 8884	Belt drive	Belt drive
5	0507 8918	Crankshaft	Crankshaft
<b>6</b>		<b>Connecting rod</b>	
6	0507 8940	Connecting rod	Connecting rod
<b>7</b>		<b>Piston</b>	
7	0507 6440	Piston	Piston
<b>8</b>		<b>Cylinder head</b>	
8	0507 0164	Engine mounting	Engine mounting
8	0507 0427	Valve mechan.cover	Valve mechan.cover
8	0507 4490	Blanking parts	Blanking parts
8	0507 4917	Fastenings	Fastenings
8	0507 8844	Cylinder head	Cylinder head
<b>9</b>		<b>Timing chest</b>	
9	0507 7062	Gearcase	Gearcase
<b>10</b>		<b>Camshaft</b>	
10	0507 7930	Camshaft	Camshaft
<b>11</b>		<b>Timing gears</b>	
11	0507 4436	Valve drive	Valve drive
<b>15</b>		<b>Lube oil/-cooler</b>	
15	0507 4989	Fastenings	Fastenings
15	0507 4991	Fastenings	Fastenings
15	0507 4992	Blanking parts	Blanking parts
15	0507 6441	Oil cooler	Oil cooler
15	0507 6442	Oil cooler box	Oil cooler box
15	0511 1122	Spin-on filter	Spin-on filter
<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 8106	Roller tappet	Roller tappet
17	0507 8694	Fuel inject. pump	Fuel inject. pump
17	0507 8695	Fastenings	Fastenings

<b>Equipment:</b>	00010049619	<b>Engine type:</b>	BF 4M2012
<b>Output:</b>	0000074,9 kW	<b>Speed:</b>	2500 1/min
<b>ETL scope:</b>	EU468329		

CG	ETL-No.	Designation (en)	Designation (en)
<b>19</b>		<b>Injector</b>	
19	0507 8022	Fastenings	Fastenings
19	0507 8726	Fuel injector	Fuel injector
<b>20</b>		<b>Fuel filter</b>	
20	0507 4996	Fastenings	Fastenings
20	0507 7944	Fuel supply pump	Fuel supply pump
20	0511 1121	Fuel filter	Fuel filter
<b>21</b>		<b>Fuel pipes/fuel tank</b>	
21	0507 2978	High pressure pipe	High pressure pipe
21	0507 6312	Back leak.connect.	Back leak.connect.
21	0507 6456	Rubber seal	Rubber seal
21	0507 6484	Fuel line	Fuel line
21	0507 7956	Fuel line	Fuel line
<b>22</b>		<b>Suction pipe/air cleaner</b>	
22	0507 0047	Blanking parts	Blanking parts
22	0507 8835	Charge air pipe	Charge air pipe
<b>27</b>		<b>Speed control</b>	
27	0507 0040	Fastenings	Fastenings
27	0507 0620	Mount	Mount
27	0507 1264	Controller	Controller
27	0507 2394	Fastenings	Fastenings
27	0507 2436	Control rod	Control rod
27	0507 4540	Idler gear	Idler gear
27	0507 6390	Pilot line	Pilot line
<b>38</b>		<b>Water pipes</b>	
38	0507 0285	Accessories	Accessories
38	0507 4987	Outlet/exh.branch	Outlet/exh.branch
38	0507 6877	Thermostat	Thermostat
38	0507 7991	Connection	Connection
<b>39</b>		<b>Cooling air blower</b>	
39	0507 4946	V-rib.belt pulley	V-rib.belt pulley
39	0507 4993	Fastenings	Fastenings
39	0507 6396	Belt tensioner	Belt tensioner
39	0507 7668	Fastenings	Fastenings
39	0507 7941	Fan support	Fan support
39	0511 1547	Fan bracket	Fan bracket
39	0511 1548	Fastenings	Fastenings
39	0511 1601	V-ribbed belt	V-ribbed belt
<b>41</b>		<b>Exhaust manifold</b>	
41	0507 4588	Fastenings	Fastenings
41	0507 6465	Exhaust pipe	Exhaust pipe
<b>43</b>		<b>Turbocharger</b>	
43	0507 0056	Blanking parts	Blanking parts
43	0507 4940	Blanking parts	Blanking parts
43	0507 6468	Turbocharger	Turbocharger
43	0507 8837	Return line	Return line
43	0507 8838	Lubricat. oil line	Lubricat. oil line
<b>44</b>		<b>Alternator/starter motor</b>	
44	0507 0157	Fastenings	Fastenings
44	0507 2725	Starter	Starter

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<b>ETL scope:</b>	EU468329		

CG	ETL-No.	Designation (en)	Designation (en)
44	0507 4923	Accessories	Accessories
44	0507 7766	V-rib.belt pulley	V-rib.belt pulley
44	0507 7778	Generator	Generator
<b>46</b>		<b>Engine mounting, rigid</b>	
46	0507 1239	Accessories	Accessories
46	0507 1240	Accessories	Accessories
<b>48</b>		<b>Electrical accessories</b>	
48	0507 0149	Blanking parts	Blanking parts
48	0507 0295	Pressure sensor	Pressure sensor
48	0507 1706	Interconnect.cable	Interconnect.cable
48	0507 6333	Fastenings	Fastenings
48	0507 6439	Blanking parts	Blanking parts
48	0507 8876	Cable harness	Cable harness
<b>51</b>		<b>Measuring instruments</b>	
51	0507 8125	Temper.transmitter	Temper.transmitter
<b>52</b>		<b>Clutch</b>	
52	0507 0032	Fastenings	Fastenings
52	0507 8272	Bush	Bush
52	0507 8878	Connection housing	Connection housing
<b>56</b>		<b>Engine shutdown</b>	
56	0507 6186	Accessories	Accessories
56	0507 6192	Shutdown device	Shutdown device
<b>63</b>		<b>Starting aid</b>	
63	0507 0159	Blanking parts	Blanking parts
63	0507 7039	Heating flange	Heating flange
<b>75</b>		<b>Heating system</b>	
75	0507 1162	Blanking parts	Blanking parts
<b>83</b>		<b>Hydraulic pump</b>	
83	0507 0067	Blanking parts	Blanking parts
83	0507 1160	Blanking parts	Blanking parts
83	0507 8117	Blanking parts	Blanking parts
<b>90</b>		<b>Set of parts</b>	
90	0507 0283	Cool.syst.protect.	Cool.syst.protect.
90	0507 7744	Gasket set	Gasket set
90	0511 9030	Engine oil	Engine oil

ETL no.: 0507 1876    Crankcase breather    Constr. Group: 01

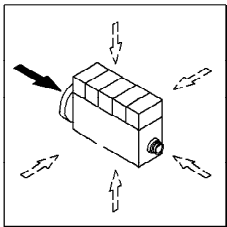
Equipment:00010049619

Output:0000074,9 kW

ETL scope:EU468329

Engine type:BF 4M2012

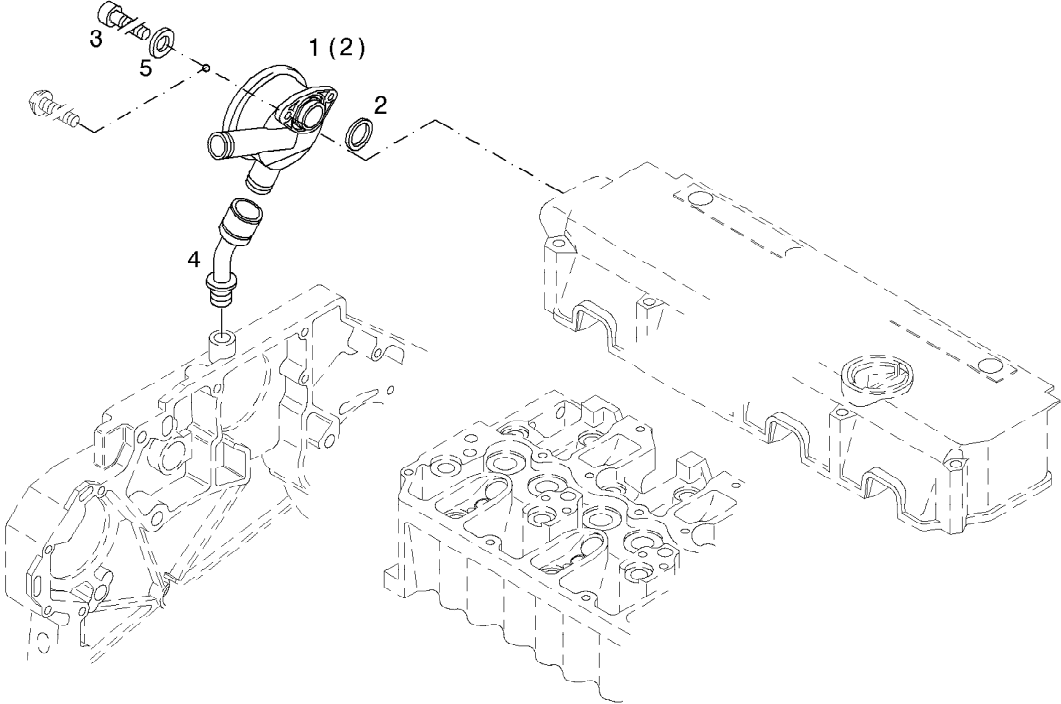
Speed:2500 1/min



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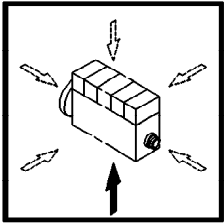
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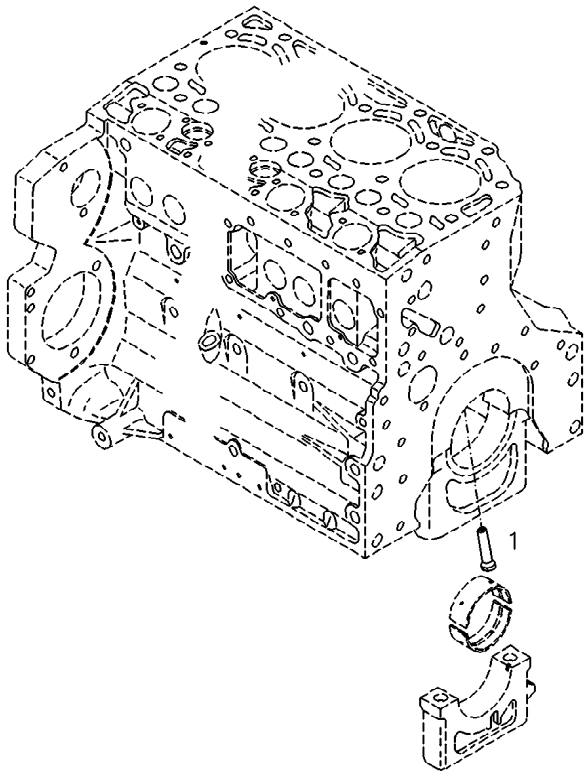
Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04203321	Kit !	90	90	1	ST		Pressure regulator	Pressure regulator	WITH ITEM.... (2)
2	04206233	Kit !			1	ST		Gasket	Gasket	
3	01148431				2	ST		Cheese head screw	Cheese head screw	FROM MNFG MONTH (A) UP TO MNFG MONTH SEE IT EM (B) A = 09.1995 B = Pos.950
4	04207290	Kit !			1	ST		Rubber sleeve	Rubber sleeve	
5	01124654				2	ST		Plain washer	Plain washer	
950	01181965				2	ST		Hexagon bolt	Hexagon bolt	UP TO MNFG MONTH (A) FROM MNFG MONTH SEE ITE M (B) A = 08.1995 B = Pos.3

ETL no.: 0507 2355    Piston cool.nozzle    Constr. Group: 01

Equipment:	00010049619	Engine type:	BF 4M2012
Output:	0000074,9 kW	Speed:	2500 1/min
ETL scope:	EU468329		



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0507 2355

Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04207521	Kit !		1	ST		Piston cool.nozzle	Piston cool.nozzle	

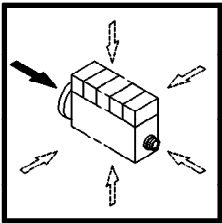


ETL no.: 0507 2810 Bush

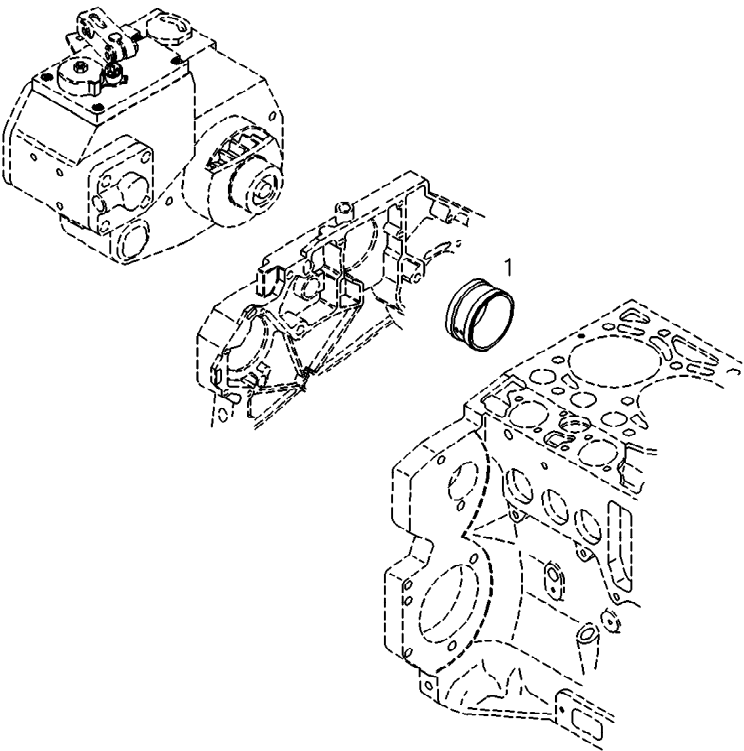
Constr. Group: 01

Equipment: 00010049619  
Output: 0000074,9 kW  
ETL scope: EU468329

Engine type: BF 4M2012  
Speed: 2500 1/min



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0507 2810

Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	02111679			1	ST		Bush	Bush	