



# Spare Parts Catalog

BF 6M2012 s/n 10164981

**Equipment information**

**Equipment:** 00010164981  
**Type:** BF 6M2012  
**Output:** 0000074,9 kW  
**Speed:** 2200 1/min  
**Build date:** 05.05.2006  
**KLU-Number:** 2500 6138/70011546  
**ETL scope:** EU525216  
**MVS:** 411

**Customer:** Linde Heavy Truck Division Ltd.  
**Location:** Merthyr Tydfil/South Wales  
**Country:** United Kingdom

**VKU date:** 05.05.2006

**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

<b>Equipment:</b>	00010164981	<b>Engine type:</b>	BF 6M2012
<b>Output:</b>	0000074,9 kW	<b>Speed:</b>	2200 1/min
<b>ETL scope:</b>	EU525216		

CG	ETL-No.	Designation (en)	Designation (en)
<b>1</b>		<b>Crankcase</b>	
1	0507 0027	Plug	Plug
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 7680	Oil gauge	Oil gauge
1	0507 8495	Dipstick	Dipstick
1	0507 8770	Breather line	Breather line
1	0507 8847	Frontcover-oilpump	Frontcover-oilpump
1	0507 8938	Crankcase	Crankcase
<b>2</b>		<b>Oil pan</b>	
2	0507 0380	Oil pan	Oil pan
<b>5</b>		<b>Crankshaft</b>	
5	0507 0383	Fastenings	Fastenings
5	0507 0384	Flywheel	Flywheel
5	0507 2759	Plug	Plug
5	0507 6321	Belt drive	Belt drive
5	0511 3531	Crankshaft	Crankshaft
<b>6</b>		<b>Connecting rod</b>	
6	0511 3527	Connecting rod	Connecting rod
<b>7</b>		<b>Piston</b>	
7	0507 6440	Piston	Piston
<b>8</b>		<b>Cylinder head</b>	
8	0507 4484	Engine mounting	Engine mounting
8	0507 6345	Fastenings	Fastenings
8	0507 6457	Valve mechan.cover	Valve mechan.cover
8	0507 8807	Bracket	Bracket
8	0507 8921	Cylinder head	Cylinder head
<b>9</b>		<b>Timing chest</b>	
9	0511 3098	Gearcase	Gearcase
9	0511 3186	Fastenings	Fastenings
<b>10</b>		<b>Camshaft</b>	
10	0511 3091	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 4861	Fastenings	Fastenings
15	0507 7661	Blanking parts	Blanking parts
15	0507 7662	Blanking parts	Blanking parts
15	0507 8729	Oil cooler box	Oil cooler box
<b>16</b>		<b>Oil pipes</b>	
16	0507 2478	Oil suction pipe	Oil suction pipe
<b>17</b>		<b>Injection pump</b>	
17	0507 0528	Roller tappet	Roller tappet
17	0507 4859	Fastenings	Fastenings
17	0507 4911	Fuel inject. pump	Fuel inject. pump
<b>19</b>		<b>Injector</b>	

<b>Equipment:</b>	00010164981	<b>Engine type:</b>	BF 6M2012
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<b>ETL scope:</b>	EU525216		

CG	ETL-No.	Designation (en)	Designation (en)
19	0507 7995	Fuel injector	Fuel injector
19	0507 8022	Fastenings	Fastenings
<b>20</b>		<b>Fuel filter</b>	
20	0507 4996	Fastenings	Fastenings
20	0507 7944	Fuel supply pump	Fuel supply pump
20	0507 8373	Supply pump	Supply pump
20	0507 8767	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 8768	Fuel line	Fuel line
21	0507 8769	Fuel line	Fuel line
<b>22</b>		<b>Suction pipe/air cleaner</b>	
22	0507 0047	Blanking parts	Blanking parts
22	0507 1743	Cover	Cover
22	0507 1744	Cover	Cover
22	0507 6324	Hose clip	Hose clip
22	0507 6327	Manifold	Manifold
22	0507 8836	Charge air pipe	Charge air pipe
<b>27</b>		<b>Speed control</b>	
27	0507 0040	Fastenings	Fastenings
27	0507 0332	Blanking parts	Blanking parts
27	0507 0613	Mount	Mount
27	0507 2394	Fastenings	Fastenings
27	0507 2813	Control rod	Control rod
27	0507 4540	Idler gear	Idler gear
27	0507 8772	Controller	Controller
<b>38</b>		<b>Water pipes</b>	
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 7668	Fastenings	Fastenings
39	0507 8761	V-ribbed belt	V-ribbed belt
39	0507 8762	Idler roller	Idler roller
39	0507 8763	Fan support	Fan support
39	0507 8810	Belt tensioner	Belt tensioner
39	0511 1547	Fan bracket	Fan bracket
39	0511 1548	Fastenings	Fastenings
<b>41</b>		<b>Exhaust manifold</b>	
41	0507 0507	Companion flange	Companion flange
41	0507 7655	Exhaust pipe	Exhaust pipe
41	0507 8238	Gasket	Gasket
<b>43</b>		<b>Turbocharger</b>	
43	0507 6421	Return line	Return line
43	0507 6422	Lubricat. oil line	Lubricat. oil line
43	0507 8723	Turbocharger	Turbocharger

<b>Equipment:</b>	00010164981	<b>Engine type:</b>	BF 6M2012
<b>Output:</b>	0000074,9 kW	<b>Speed:</b>	2200 1/min
<b>ETL scope:</b>	EU525216		

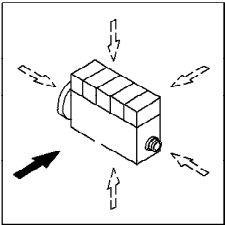
CG	ETL-No.	Designation (en)	Designation (en)
<b>44</b>		<b>Alternator/starter motor</b>	
44	0507 7766	V-rib.belt pulley	V-rib.belt pulley
44	0507 7770	Generator	Generator
44	0507 8342	Starter	Starter
44	0507 8764	Accessories	Accessories
<b>46</b>		<b>Engine mounting, rigid</b>	
46	0507 0139	Accessories	Accessories
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 6023	Accessories	Accessories
48	0507 8255	Oil pressur.switch	Oil pressur.switch
48	0511 0673	Fastenings	Fastenings
48	0511 3759	Temper.transmitter	Temper.transmitter
<b>51</b>		<b>Measuring instruments</b>	
51	0507 8125	Temper.transmitter	Temper.transmitter
<b>52</b>		<b>Clutch</b>	
52	0507 8284	Bush	Bush
<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 8237	Gl.time contr.unit	Gl.time contr.unit
63	0507 8387	Relay	Relay
63	0507 8765	Heating flange	Heating flange
<b>75</b>		<b>Heating system</b>	
75	0507 1162	Blanking parts	Blanking parts
75	0507 8766	Heating tube	Heating tube
<b>83</b>		<b>Hydraulic pump</b>	
83	0505 1844	Gasket	Gasket
83	0507 0190	Driving parts	Driving parts
83	0507 1160	Blanking parts	Blanking parts
83	0507 8117	Blanking parts	Blanking parts
83	0507 8195	Blanking parts	Blanking parts
<b>90</b>		<b>Set of parts</b>	
90	0507 0283	Cool.syst.protect.	Cool.syst.protect.
90	0507 7746	Gasket set	Gasket set
90	0511 9030	Engine oil	Engine oil
<b>98</b>		<b>Optional extras</b>	
98	0126 2635	Locking nut	Locking nut
98	0211 3198	Blanking parts	Blanking parts
98	0420 8850	Fastenings	Fastenings
98	0425 3564	Blanking parts	Blanking parts
98	0425 8118	Blanking parts	Blanking parts
98	0428 4825	Blanking parts	Blanking parts

ETL no.: 0507 0027 Plug

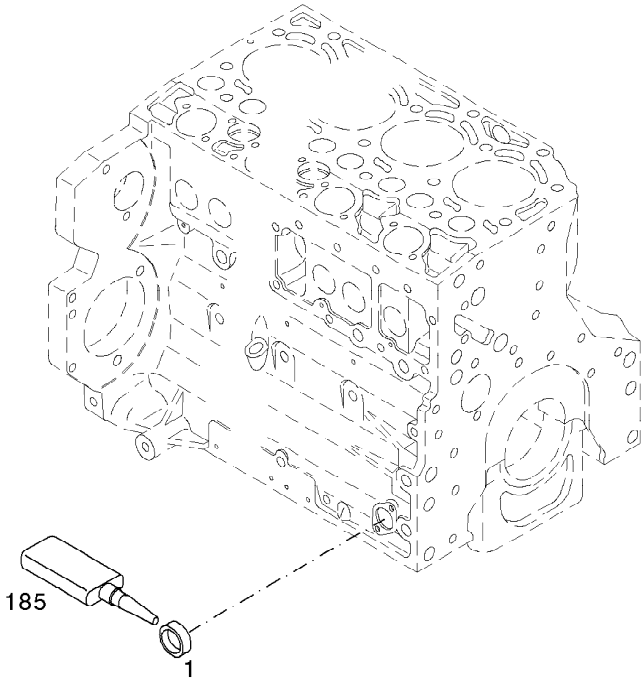
Constr. Group: 01

Equipment: 00010164981  
Output: 0000074,9 kW  
ETL scope: EU525216

Engine type: BF 6M2012  
Speed: 2200 1/min



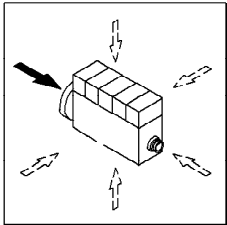
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Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	01179634		20	20	1	ST		Core hole plug	Core hole plug	
185	01016127		20	20	1	KG		Safety/lock.agent	Safety/lock.agent	

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

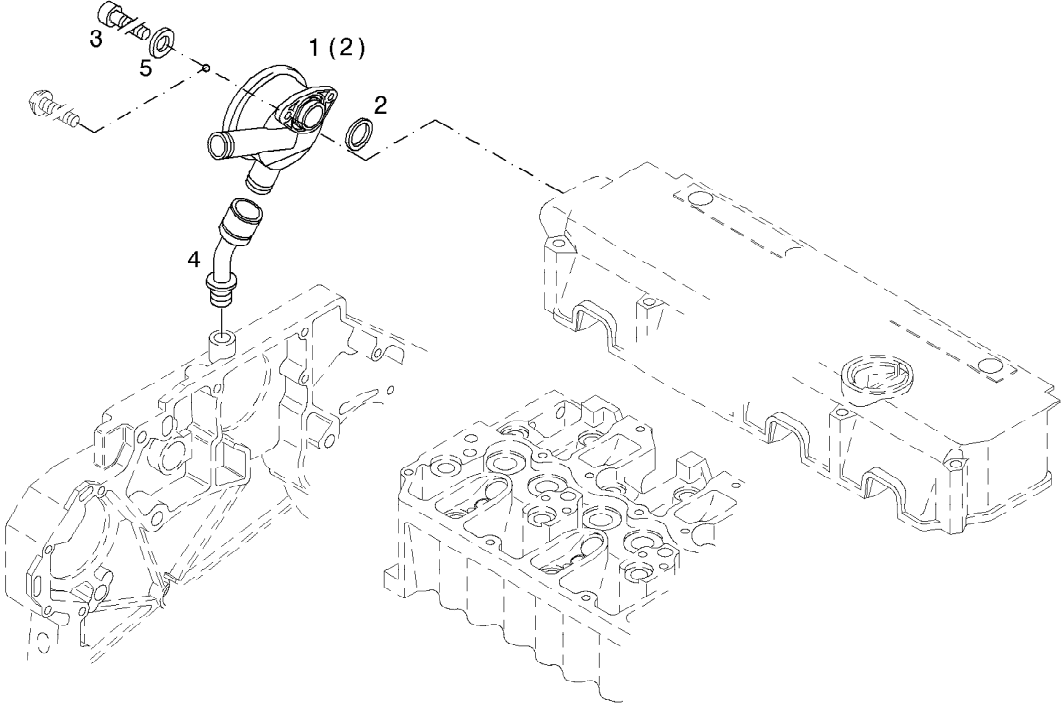
Equipment:	00010164981	Engine type:	BF 6M2012
Output:	0000074,9 kW	Speed:	2200 1/min
ETL scope:	EU525216		



ab Baumontat:  
from month of manufacture:  
a partir mois de montage:  
a partir del mes de fabricacion: ]

09.95

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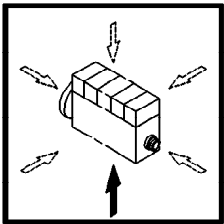


Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04203321	Kit !	90	90	1	ST		Pressure regulator	Pressure regulator	WITH ITEM.... (2)
2	04206233	Kit !			1	ST		Gasket	Gasket	
3	01148431				2	ST		Cheese head screw	Cheese head screw	FROM MNFG MONTH (A) UP TO MNFG MONTH SEE 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

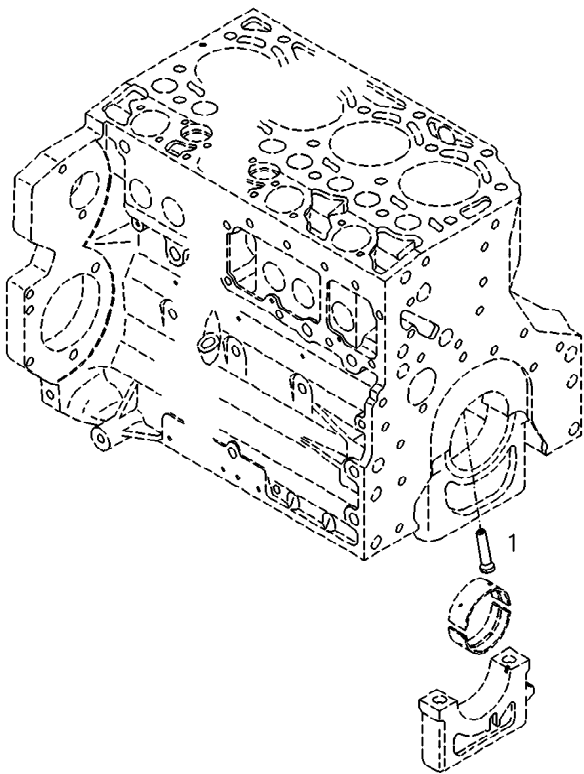


ETL no.: 0507 2355    Piston cool.nozzle    Constr. Group: 01

Equipment:	00010164981	Engine type:	BF 6M2012
Output:	0000074,9 kW	Speed:	2200 1/min
ETL scope:	EU525216		



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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	

Materials order list

Order:  
User:  
Date of maintenance measure:

Customer:  
Reference:  
Equipment: 00010164981

Date/Time: 2024.05.24 11:26:34  
EL-ID: 2012M; EL-No.: 03121884  
Equipment: 00010164981  
Engine type: BF 6M2012  
Materials for maintenance measure:  
E30 -- inspection  
E40 -- 1st extended inspection  
E50 -- 2nd extended inspection  
E70 -- major overhaul  
EB KK 1 -- initial stock CC1  
EB KK 2 -- initial stock CC2  
EB KK 3 -- initial stock CC3

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	0116 5973			0,001	0,001			O-seal	0507 8495	1	2	E30	2012M	0010049	1
0002000	2	0114 8891			0,002	0,004			Sealing ring	0507 0380	2	3	E30	2012M	0020004	2
0003000	1	0420 7184			0,005	0,005			O-seal	0507 8729	15	7	E30	2012M	0150064	1
0004000	1	0116 5973			0,001	0,001			O-seal	0507 8495	1	2	E40	2012M	0010049	1
0005000	1	0420 6233			0,001	0,001			Gasket	0507 1876	1	2	E40	2012M	0010061	1
0006000	2	0114 8891			0,002	0,004			Sealing ring	0507 0380	2	3	E40	2012M	0020004	2
0007000	1	0419 8969		50	0,148	0,148			Gasket	0507 6457	8	2	E40	2012M	0080002	1
0008000	1	0420 7184			0,005	0,005			O-seal	0507 8729	15	7	E40	2012M	0150064	1
0009000	1	0425 2631			0,034	0,034			O-seal	0507 8767	20	4	E40	2012M	0200037	1
0010000	1	0116 5973			0,001	0,001			O-seal	0507 8495	1	2	E50	2012M	0010049	1
0011000	2	0114 8891			0,002	0,004			Sealing ring	0507 0380	2	3	E50	2012M	0020004	2
0012000	1	0419 8969		50	0,148	0,148			Gasket	0507 6457	8	2	E50	2012M	0080002	1
0013000	1	0293 1095			0,170	0,170			Oil filter element	0507 8729	15	16	E50	2012M	0150063	1
0014000	14	0425 4240			0,174	2,436			Hexagon bolt	0507 8938	1	2	E70	2012M	0010002	14
0015000	6	0425 1884			0,052	0,312			Bearing bush	0507 8938	1	10	E70	2012M	0010009	6
0016000	1	0425 0086			0,076	0,076			Bearing bush	0507 8938	1	11	E70	2012M	0010010	1
0017000	6	0420 7521			0,001	0,006			Piston cool.nozzle	0507 2355	1	1	E70	2012M	0010016	6
0018000	1	0118 2418			0,037	0,037			Dipstick	0507 8495	1	1	E70	2012M	0010048	1
0019000	1	0116 5973			0,001	0,001			O-seal	0507 8495	1	2	E70	2012M	0010049	1
0020000	1	0420 3321	90	90	0,120	0,120			Pressure regulator	0507 1876	1	1	E70	2012M	0010060	1
0021000	1	0420 6233			0,001	0,001			Gasket	0507 1876	1	2	E70	2012M	0010061	1
0022000	1	0420 7290			0,023	0,023			Rubber sleeve	0507 1876	1	4	E70	2012M	0010063	1
0023000	3	0117 8750			0,016	0,048			Spring band clamp	0507 8770	1	2	E70	2012M	0010065	3