



# Spare Parts Catalog

BF 4M2011 s/n 1028720

**Equipment information**

**Equipment:** 00001028720  
**Type:** BF 4M2011  
**Output:** 0000056,0 kW  
**Speed:** 2300 1/min  
**Build date:** 17.11.2004  
**KLU-Number:** 2500 6549/70010330  
**ETL scope:** EU328685  
**MVS:** 011

**Customer:** CNH Baumaschinen GmbH  
**Location:** BERLIN  
**Country:** Germany

**VKU date:** 24.11.2004

**VKU' date:**

**Commissioning date:** 02.05.2005

**Begin of guarantee period:** 02.05.2005

**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>	00001028720	<b>Engine type:</b>	BF 4M2011
<b>Output:</b>	0000056,0 kW	<b>Speed:</b>	2300 1/min
<b>ETL scope:</b>	EU328685		

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>	<b>Designation (en)</b>
<b>1</b>		<b>Crankcase</b>	
1	0507 4352	Crankcase breather	Crankcase breather
1	0507 7818	Dipstick	Dipstick
1	0507 7899	Engine block	Engine block
1	0507 9188	Rear end cover	Rear end cover
<b>2</b>		<b>Oil pan</b>	
2	0506 9057	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 4222	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 9157	Valve mechan.cover	Valve mechan.cover
8	0507 4233	Cylinder head	Cylinder head
8	0507 7836	Fastenings	Fastenings
<b>10</b>		<b>Camshaft</b>	
10	0507 9021	Fastenings	Fastenings
10	0507 9174	Camshaft	Camshaft
10	0507 9185	Camshaft drive	Camshaft drive
10	0507 9197	Protection hood	Protection hood
<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 7625	Oil suction line	Oil suction line
16	0506 7710	Heater connection	Heater connection
16	0506 7760	Radiator connect.	Radiator connect.
16	0506 8258	Oil return pipe	Oil return pipe
16	0506 8261	Lubricat. oil line	Lubricat. oil line
<b>17</b>		<b>Injection pump</b>	
17	0506 7639	Screw plug	Screw plug
17	0507 9205	Fastenings	Fastenings
17	0507 9214	Fuel inject. pump	Fuel inject. pump
<b>19</b>		<b>Injector</b>	
19	0507 9013	Fuel injector	Fuel injector
<b>20</b>		<b>Fuel filter</b>	

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<b>ETL scope:</b>	EU328685		

CG	ETL-No.	Designation (en)	Designation (en)
20	0506 7542	Filter cartridge	Filter cartridge
20	0506 7643	Fastenings	Fastenings
20	0507 4113	Boost control	Boost control
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 9003	Fuel line	Fuel line
21	0507 9015	High pressure pipe	High pressure pipe
21	0507 9170	Fuel filter	Fuel filter
21	0507 9171	Fuel line	Fuel line
21	0507 9172	Fuel line	Fuel line
<b>22</b>		<b>Suction pipe/air cleaner</b>	
22	0506 3419	Blanking parts	Blanking parts
22	0506 9058	Hose assembly	Hose assembly
22	0507 9206	Charge air pipe	Charge air pipe
<b>27</b>		<b>Speed control</b>	
27	0506 7616	Control rod	Control rod
27	0507 9118	Torque contr.sprg.	Torque contr.sprg.
27	0507 9121	Torge adapter	Torge adapter
27	0507 9217	Front cover/govern	Front cover/govern
<b>33</b>		<b>Air compressor</b>	
33	0507 4236	Blanking parts	Blanking parts
<b>40</b>		<b>Cooling air ducting</b>	
40	0506 8013	Sectional rubber	Sectional rubber
<b>41</b>		<b>Exhaust manifold</b>	
41	0506 3108	Companion flange	Companion flange
41	0506 9183	Exhaust manifold	Exhaust manifold
<b>43</b>		<b>Turbocharger</b>	
43	0507 9011	Turbocharger	Turbocharger
<b>44</b>		<b>Alternator/starter motor</b>	
44	0506 9189	Cooling air baffle	Cooling air baffle
44	0507 2433	Narrow v-belt	Narrow v-belt
44	0507 4364	Bracket	Bracket
44	0507 4365	Fastenings	Fastenings
44	0507 9132	Generator	Generator
44	0507 9244	Starter	Starter
<b>46</b>		<b>Engine mounting, rigid</b>	
46	0506 4227	Engine mounting	Engine mounting
46	0506 7601	Engine mounting	Engine mounting
<b>48</b>		<b>Electrical accessories</b>	
48	0506 8106	Bracket	Bracket
48	0506 8226	Signal light	Signal light
48	0507 4134	Control unit	Control unit
48	0507 9137	Cable harness	Cable harness
<b>51</b>		<b>Measuring instruments</b>	
51	0506 7636	Oil pressur.switch	Oil pressur.switch
51	0506 9029	Temper.transmitter	Temper.transmitter
<b>52</b>		<b>Clutch</b>	
52	0505 1756	Cover plate	Cover plate

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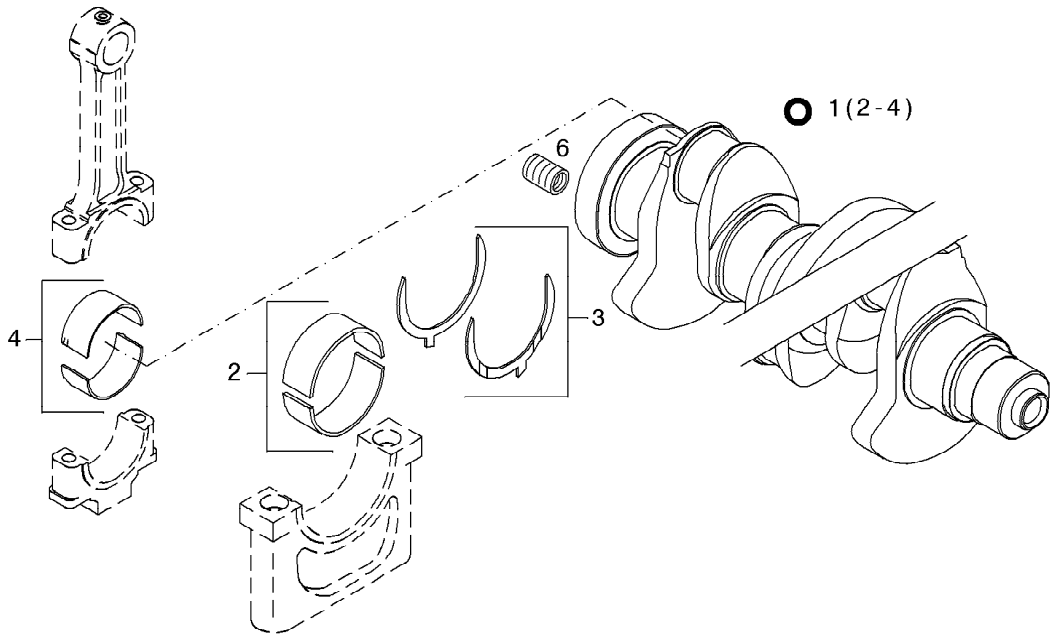
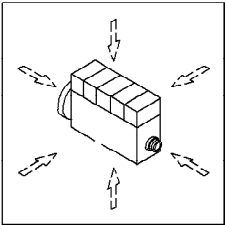
<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>	<b>Designation (en)</b>
52	0506 9152	Adapter housing	Adapter housing
<b>56</b>		<b>Engine shutdown</b>	
56	0507 9085	Shutdown device	Shutdown device
56	0507 9139	Fastenings	Fastenings
<b>63</b>		<b>Starting aid</b>	
63	0506 9080	Glow plug	Glow plug
63	0506 9105	Cable harness	Cable harness
<b>90</b>		<b>Set of parts</b>	
90	0507 4086	Supplem.gasket set	Supplem.gasket set
90	0507 7823	Gasket set	Gasket set
90	0511 9030	Engine oil	Engine oil

ETL no.: 0506 8138 Crankshaft

Constr. Group: 05

Equipment: 00001028720  
Output: 0000056,0 kW  
ETL scope: EU328685

Engine type: BF 4M2011  
Speed: 2300 1/min



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Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04270236				1	ST		Crankshaft	Crankshaft	SPAREPART (NEW), REMANUFACTURED PART SEE ITEM (A) COMPL. WIT H ITEM (2-4) (A) 950
2	04270238	Kit !			5	ST		Main bearing	Main bearing	STANDARD (A)MM RD, FOR UNDERSIZE SEE ITEM (B) A 70,00 B 951,952
3	02928961	Kit !			1	ST		Thrust washer	Thrust washer	STANDARD (A)MM, FOR OVE RSIZE SEE ITEM (B) (A) 2,4 (B) 953
4	04270255	Kit !			4	ST		Big end bearing	Big end bearing	STANDARD (A)MM RD, FOR UNDERSIZE SEE ITEM (B) (A) 55,0 (B) 954, 955
6	06218864				1	ST		Threaded insert	Threaded insert	
950	02929801				AR 1	ST		Exch. crankshaft	Exch. crankshaft	REMANUFACTURED PART, NEW PART SEE ITEM (A) COMPL. WITH ITEM A 1

ETL no.: 0506 8138 Crankshaft

Constr. Group: 05

Equipment:	00001028720	Engine type:	BF 4M2011
Output:	0000056,0 kW	Speed:	2300 1/min
ETL scope:	EU328685		

Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
951	04270242			5	ST		Main bearing	Main bearing	B 951,953,954 1ST UNDERSIZE 69,75 MM RD
952	04270247			5	ST		Main bearing	Main bearing	2ND UNDERSIZE 69,50 MM RD
953	02928962			1	ST		Thrust washer	Thrust washer	1ST OVERSIZE 2,6 MM
954	04270259			4	ST		Big end bearing	Big end bearing	1ST UNDERSIZE 54,75 MM RD
955	04270263			4	ST		Big end bearing	Big end bearing	2ND UNDERSIZE 54,50 MM RD



## Materials order list

Order:  
User:  
Date of maintenance measure:

Customer:  
Reference:  
Equipment: 00001028720

Date/Time: 2023.11.15 18:13:20  
EL-ID: 2011M; EL-No.: 03123552  
Equipment: 00001028720  
Engine type: BF 4M2011  
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 7818	1	2	E30	2011M	0010050	1
0002000	2	0111 8718			0,002	0,004			Sealing ring	0506 9057	2	4	E30	2011M	0020002	2
0003000	10	0101 7932		AR	0,000	0,000			Engine oil	0506 9057	2	10	E30	2011M	0020050	10
0004000	1	0427 1076	90	90	0,043	0,043			Gasket	0506 9157	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	0134 0488			0,031	0,031			Repair kit	0507 9014	20	6	E30	2011M	0200016	1
0007000	1	0118 0693			0,001	0,001			O-seal	0507 7818	1	2	E40	2011M	0010050	1
0008000	2	0111 8718			0,002	0,004			Sealing ring	0506 9057	2	4	E40	2011M	0020002	2
0009000	10	0101 7932		AR	0,000	0,000			Engine oil	0506 9057	2	10	E40	2011M	0020050	10
0010000	1	0427 1076	90	90	0,043	0,043			Gasket	0506 9157	8	2	E40	2011M	0080004	1
0011000	1	0117 4416			0,328	0,328			Spin-on oil filter	0506 4400	15	1	E40	2011M	0150001	1
0012000	1	0117 4482			0,445	0,445			Spin-on fuel filt.	0506 7542	20	1	E40	2011M	0200011	1
0013000	1	0134 0488			0,031	0,031			Repair kit	0507 9014	20	6	E40	2011M	0200016	1
0014000	1	0118 0693			0,001	0,001			O-seal	0507 7818	1	2	E50	2011M	0010050	1
0015000	2	0111 8718			0,002	0,004			Sealing ring	0506 9057	2	4	E50	2011M	0020002	2
0016000	10	0101 7932		AR	0,000	0,000			Engine oil	0506 9057	2	10	E50	2011M	0020050	10
0017000	1	0427 1076	90	90	0,043	0,043			Gasket	0506 9157	8	2	E50	2011M	0080004	1
0018000	1	0428 6544			1,692	1,692			Synchr.belt pulley	0507 9185	10	1	E50	2011M	0100010	1
0019000	1	0293 1485	20	20	1,018	1,018			Repair kit	0507 9185	10	10	E50	2011M	0100013	1
0020000	1	0117 4416			0,328	0,328			Spin-on oil filter	0506 4400	15	1	E50	2011M	0150001	1