

Equipment information

Equipment: 00010252007
Type: BF 4M2012C
Output: 0000098,0 kW
Speed: 2300 1/min
Build date: 19.10.2006
KLU-Number: 2500 4872/70018254
ETL scope: EU525653
MVS: 042

Customer: Hamm AG
Location: Tirschenreuth
Country: Germany

VKU date: 23.10.2006

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.

RESTRICTION OF RUNNING HOURS ENGINES

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:	00010252007	Engine type:	BF 4M2012C
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ETL scope:	EU525653		

CG	ETL-No.	Designation (en)	Designation (de)
1		Crankcase	
1	0507 1876	Crankcase breather	Kurb.Geh.Entlueft.
1	0507 2355	Piston cool.nozzle	Kolbenkuehlduese
1	0507 2650	Blanking parts	Verschlusssteile
1	0507 2810	Bush	Buchse
1	0507 2823	Fastenings	Befestigungsteile
1	0507 4909	Oil gauge	Oelmessvorrichtung
1	0507 4999	Oil filler neck	Oeleinfuellstutzen
1	0507 6472	Breather line	Entlueftungs.Leit.
1	0507 8908	Frontcover-oilpump	V.Deckel-Oelpumpe
1	0507 8939	Crankcase	Kurbelgehaeuse
1	0511 1650	Dipstick	Oelmessstab
2		Oil pan	
2	0507 0162	Oil pan	Oelwanne
5		Crankshaft	
5	0507 0429	Flywheel	Schwungrad
5	0507 2759	Plug	Verschlussstopfen
5	0507 4521	Fastenings	Befestigungsteile
5	0507 4934	Belt drive	Riemenantrieb
5	0507 8489	Vibration damper	Schwings.Daempfer
5	0511 3530	Crankshaft	Kurbelwelle
6		Connecting rod	
6	0511 3527	Connecting rod	Pleuelstange
7		Piston	
7	0507 6440	Piston	Kolben
8		Cylinder head	
8	0507 0164	Engine mounting	Motoraufhaengung
8	0507 0427	Valve mechan.cover	Ventilantr.Haube
8	0507 4917	Fastenings	Befestigungsteile
8	0507 8844	Cylinder head	Zylinderkopf
9		Timing chest	
9	0511 1636	Gearcase	Raederkasten
10		Camshaft	
10	0511 3084	Camshaft	Nockenwelle
11		Timing gears	
11	0507 4436	Valve drive	Steuerungsteile
15		Lube oil/-cooler	
15	0507 4989	Fastenings	Befestigungsteile
15	0507 4991	Fastenings	Befestigungsteile
15	0507 4992	Blanking parts	Verschlusssteile
15	0507 6441	Oil cooler	Oelkuehler
15	0507 6442	Oil cooler box	Oelkuehlergehaeuse
15	0511 1122	Spin-on filter	Wechselfilter
16		Oil pipes	
16	0507 0503	Oil suction pipe	Oelsaugrohr
17		Injection pump	
17	0507 0528	Roller tappet	Rollenstoessel
17	0507 4859	Fastenings	Befestigungsteile
17	0507 4911	Fuel inject. pump	Einspritzpumpe

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19		Injector	
19	0507 7995	Fuel injector	Einspritzventil
19	0507 8022	Fastenings	Befestigungsteile
20		Fuel filter	
20	0507 4996	Fastenings	Befestigungsteile
20	0507 6218	Filter cartridge	Filterpatrone
20	0507 7944	Fuel supply pump	Kr.Stoff-Foerd.Ppe
21		Fuel pipes/fuel tank	
21	0507 2978	High pressure pipe	Einspritzleitung
21	0507 6312	Back leak.connect.	Leckoelanschluss
21	0507 6456	Rubber seal	Dichtgummi
21	0507 6484	Fuel line	Kraftstoffleitung
21	0507 7956	Fuel line	Kraftstoffleitung
21	0511 4080	Non-return valve	Rueckschlagventil
22		Suction pipe/air cleaner	
22	0507 0047	Blanking parts	Verschlusssteile
22	0507 4951	Hose clip	Schlauchschelle
22	0507 4955	Manifold	Kruemmer
22	0507 6353	Charge air elbow	Ladeluftkruemmer
22	0507 8849	Charge air pipe	Ladeluftleitung
27		Speed control	
27	0507 0040	Fastenings	Befestigungsteile
27	0507 1295	Controller	Regler
27	0507 2394	Fastenings	Befestigungsteile
27	0507 2436	Control rod	Regelstange
27	0507 4540	Idler gear	Zwischenrad
27	0507 6390	Pilot line	Steuerleitung
38		Water pipes	
38	0507 4987	Outlet/exh.branch	Austrittstutzen
38	0507 6877	Thermostat	Thermostat
38	0507 7991	Connection	Anschluss
39		Cooling air blower	
39	0507 1760	Fastenings	Befestigungsteile
39	0507 4946	V-rib.belt pulley	Keilrippenscheibe
39	0507 4993	Fastenings	Befestigungsteile
39	0507 6328	V-ribbed belt	Keilrippenriemen
39	0507 7668	Fastenings	Befestigungsteile
39	0507 8810	Belt tensioner	Riemenspanner
39	0511 1463	Fan support	Luefterlagerung
39	0511 1547	Fan bracket	Luefterkonsole
39	0511 1548	Fastenings	Befestigungsteile
41		Exhaust manifold	
41	0507 6465	Exhaust pipe	Abgasleitung
43		Turbocharger	
43	0507 0056	Blanking parts	Verschlusssteile
43	0507 4940	Blanking parts	Verschlusssteile
43	0507 7667	Turbocharger	Abgasturbolader
43	0507 8837	Return line	Ruecklaufleitung
43	0507 8838	Lubricat. oil line	Schmieroelleitung
44		Alternator/starter motor	

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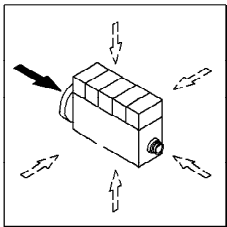
CG	ETL-No.	Designation (en)	Designation (de)
44	0507 0157	Fastenings	Befestigungsteile
44	0507 2725	Starter	Starter
44	0507 4923	Accessories	Anbauteile
44	0507 7766	V-rib.belt pulley	Keilrippenscheibe
44	0507 7778	Generator	Generator
46		Engine mounting, rigid	
46	0507 1239	Accessories	Anbauteile
46	0507 1240	Accessories	Anbauteile
48		Electrical accessories	
48	0507 0149	Blanking parts	Verschlusssteile
48	0507 6023	Accessories	Anbauteile
48	0507 6439	Blanking parts	Verschlusssteile
48	0507 8255	Oil pressur.switch	Oeldruckschalter
48	0511 0673	Fastenings	Befestigungsteile
48	0511 3759	Temper.transmitter	Temperaturgeber
51		Measuring instruments	
51	0507 8183	Temper.transmitter	Temperaturgeber
52		Clutch	
52	0507 0032	Fastenings	Befestigungsteile
52	0507 8272	Bush	Buchse
52	0507 8460	Connection housing	Anschlussgehaeuse
52	0507 8462	Cover plate	Abdeckblech
56		Engine shutdown	
56	0507 6186	Accessories	Anbauteile
56	0507 6192	Shutdown device	Motorabstellung
63		Starting aid	
63	0507 0159	Blanking parts	Verschlusssteile
63	0507 6368	Heating flange	Heizflansch
63	0507 8237	Gl.time contr.unit	Gluehzeitst.Geraet
63	0507 8387	Relay	Relais
75		Heating system	
75	0507 1162	Blanking parts	Verschlusssteile
83		Hydraulic pump	
83	0505 1844	Gasket	Dichtung
83	0507 0190	Driving parts	Antriebsteile
83	0507 1160	Blanking parts	Verschlusssteile
83	0507 8117	Blanking parts	Verschlusssteile
83	0507 8195	Blanking parts	Verschlusssteile
90		Set of parts	
90	0507 0283	Cool.syst.protect.	Kuehlsystemschutz
90	0507 7744	Gasket set	Dichtungssatz
90	0511 9030	Engine oil	Motorenoel
98		Optional extras	
98	0118 0215	Hexagon bolt	Sechskantschraube
98	0118 1442	Hexagon bolt	Sechskantschraube
98	0126 2635	Locking nut	Sicherungsmutter
98	0211 3198	Blanking parts	Verschlusssteile
98	0420 8849	Fastenings	Befestigungsteile
98	0420 8850	Fastenings	Befestigungsteile
98	0425 3564	Blanking parts	Verschlusssteile

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CG	ETL-No.	Designation (en)	Designation (de)
98	0425 4539	Main bearing liner	Kurbelw.Lag.Schale
98	0425 8118	Blanking parts	Verschlusssteile
98	0425 8702	Bush	Buchse
98	0428 4825	Blanking parts	Verschlusssteile

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

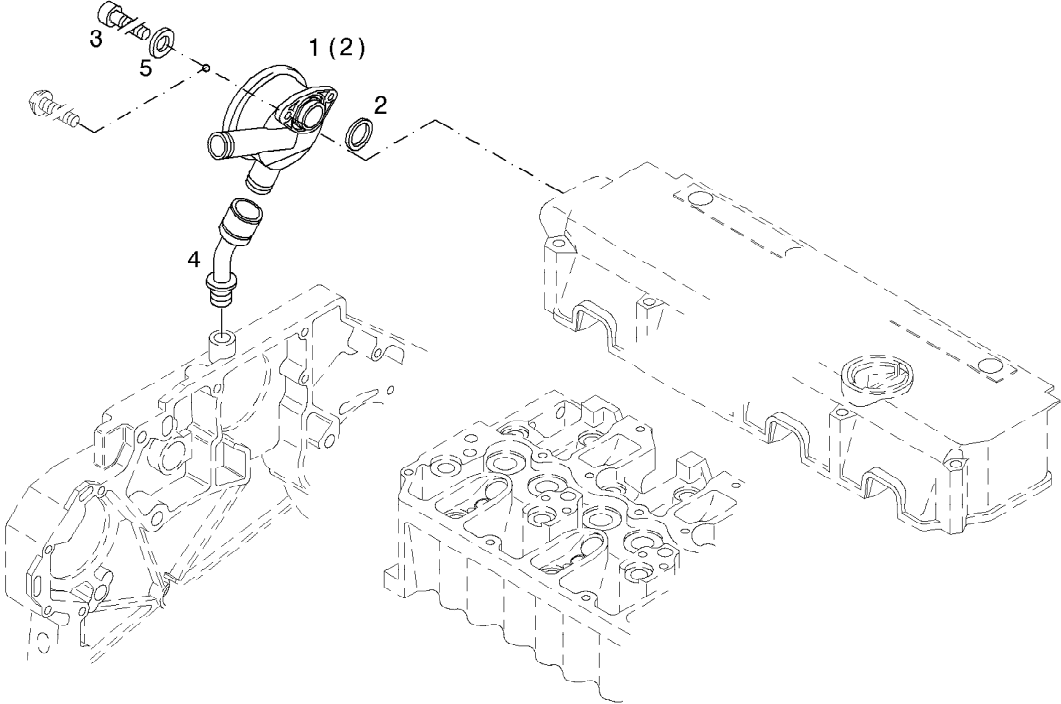
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ETL scope:	EU525653		



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a partir del mes de fabricacion:]

09.95

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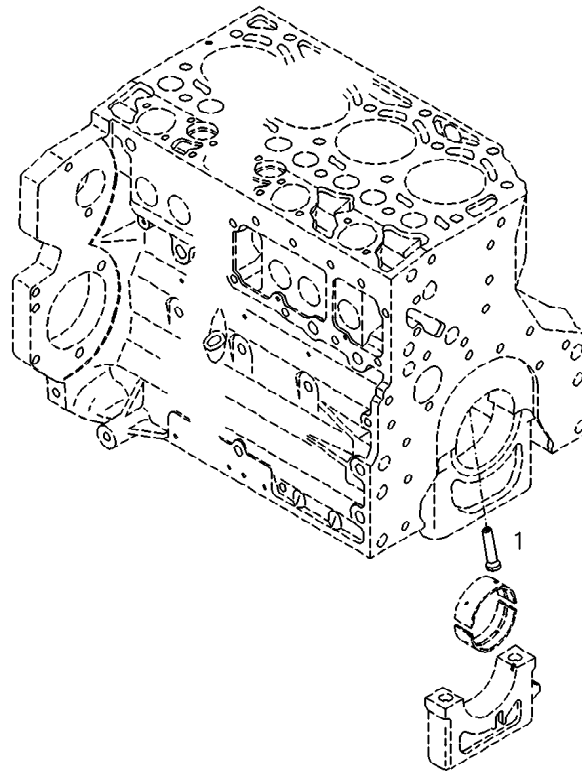
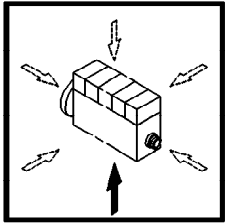
Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (de)	Remark
1	04203321	Kit !	90	90	1	ST		Pressure regulator	Druckregelventil	WITH ITEM.... (2)
2	04206233	Kit !			1	ST		Gasket	Dichtung	
3	01148431				2	ST		Cheese head screw	Zylinderschraube	FROM MNFG MONTH (A) UP TO MNFG MONTH SEE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

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0507 2355

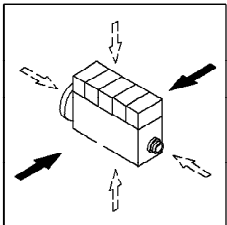
Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (de)	Remark
1	04207521	Kit !		1	ST		Piston cool.nozzle	Kolbenkuehlduese	

ETL no.: 0507 2650 Blanking parts

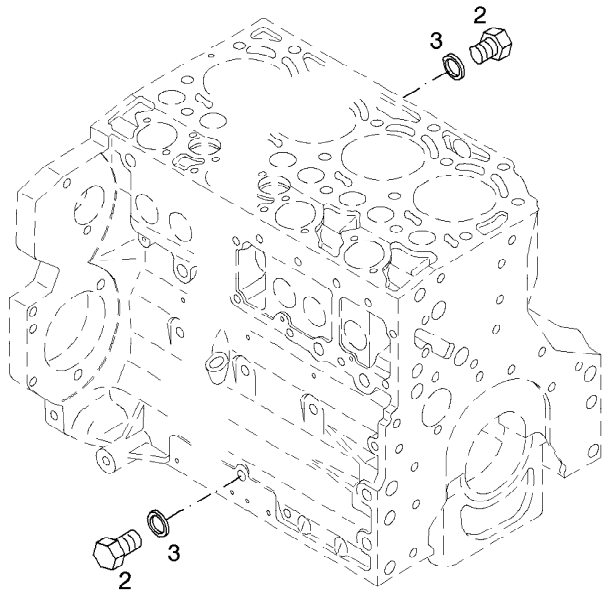
Constr. Group: 01

Equipment: 00010252007
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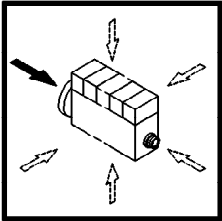
Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (de)	Remark
2	01148220				2	ST		Hexagon bolt	Sechskantschraube	
3	01118647				2	ST		Sealing ring	Dichtring	

ETL no.: 0507 2810 Bush

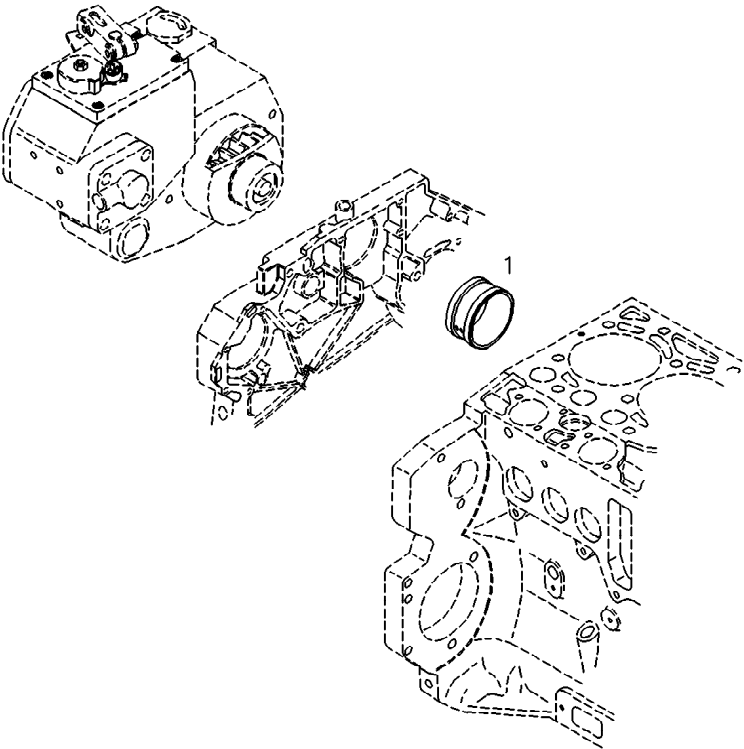
Constr. Group: 01

Equipment: 00010252007
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ETL scope: EU525653

Engine type: BF 4M2012C
Speed: 2300 1/min



002



0507 2810

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