

**Equipment information**

**Equipment:** 00010024597  
**Type:** BF 6M2012  
**Output:** 0000074,9 kW  
**Speed:** 2200 1/min  
**Build date:** 04.07.2005  
**KLU-Number:** 2500 6138/70011546  
**ETL scope:** EU467362  
**MVS:** 411

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

**VKU date:** 08.07.2005

**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

<b>Equipment:</b>	00010024597	<b>Engine type:</b>	BF 6M2012
<b>Output:</b>	0000074,9 kW	<b>Speed:</b>	2200 1/min
<b>ETL scope:</b>	EU467362		

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>	<b>Designation (de)</b>
<b>1</b>		<b>Crankcase</b>	
1	0507 0027	Plug	Verschlussstopfen
1	0507 1876	Crankcase breather	Kurb.Geh.Entlueft.
1	0507 2355	Piston cool.nozzle	Kolbenkuehlduese
1	0507 2810	Bush	Buchse
1	0507 2823	Fastenings	Befestigungsteile
1	0507 4909	Oil gauge	Oelmessvorrichtung
1	0507 7680	Oil gauge	Oelmessvorrichtung
1	0507 8495	Dipstick	Oelmessstab
1	0507 8770	Breather line	Entlueftungs.Leit.
1	0507 8847	Frontcover-oilpump	V.Deckel-Oelpumpe
1	0507 8938	Crankcase	Kurbelgehaeuse
<b>2</b>		<b>Oil pan</b>	
2	0507 0380	Oil pan	Oelwanne
<b>5</b>		<b>Crankshaft</b>	
5	0507 0383	Fastenings	Befestigungsteile
5	0507 0384	Flywheel	Schwungrad
5	0507 2759	Plug	Verschlussstopfen
5	0507 6321	Belt drive	Riemenantrieb
5	0507 8917	Crankshaft	Kurbelwelle
<b>6</b>		<b>Connecting rod</b>	
6	0507 8940	Connecting rod	Pleuelstange
<b>7</b>		<b>Piston</b>	
7	0507 6440	Piston	Kolben
<b>8</b>		<b>Cylinder head</b>	
8	0507 4484	Engine mounting	Motoraufhaengung
8	0507 6345	Fastenings	Befestigungsteile
8	0507 6457	Valve mechan.cover	Ventilantr.Haube
8	0507 8807	Bracket	Konsole
8	0507 8921	Cylinder head	Zylinderkopf
<b>9</b>		<b>Timing chest</b>	
9	0507 7182	Gearcase	Raederkasten
<b>10</b>		<b>Camshaft</b>	
10	0507 8722	Camshaft	Nockenwelle
<b>11</b>		<b>Timing gears</b>	
11	0507 4436	Valve drive	Steuerungsteile
<b>15</b>		<b>Lube oil/-cooler</b>	
15	0507 4861	Fastenings	Befestigungsteile
15	0507 7661	Blanking parts	Verschlussteile
15	0507 7662	Blanking parts	Verschlussteile
15	0507 8729	Oil cooler box	Oelkuehlergehaeuse
<b>16</b>		<b>Oil pipes</b>	
16	0507 2478	Oil suction pipe	Oelsaugrohr
<b>17</b>		<b>Injection pump</b>	
17	0507 0528	Roller tappet	Rollenstoessel
17	0507 4859	Fastenings	Befestigungsteile
17	0507 4911	Fuel inject. pump	Einspritzpumpe
<b>19</b>		<b>Injector</b>	
19	0507 7995	Fuel injector	Einspritzventil

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CG	ETL-No.	Designation (en)	Designation (de)
19	0507 8022	Fastenings	Befestigungsteile
<b>20</b>		<b>Fuel filter</b>	
20	0507 4996	Fastenings	Befestigungsteile
20	0507 7944	Fuel supply pump	Kr.Stoff-Foerd.Ppe
20	0507 8373	Supply pump	Foerderpumpe
20	0507 8767	Fuel filter	Kraftstofffilter
<b>21</b>		<b>Fuel pipes/fuel tank</b>	
21	0507 2978	High pressure pipe	Einspritzleitung
21	0507 6312	Back leak.connect.	Leckoelanschluss
21	0507 6456	Rubber seal	Dichtgummi
21	0507 8768	Fuel line	Kraftstoffleitung
21	0507 8769	Fuel line	Kraftstoffleitung
<b>22</b>		<b>Suction pipe/air cleaner</b>	
22	0507 0047	Blanking parts	Verschlusssteile
22	0507 1743	Cover	Deckel
22	0507 1744	Cover	Deckel
22	0507 6324	Hose clip	Schlauchschelle
22	0507 6327	Manifold	Kruemmer
22	0507 8836	Charge air pipe	Ladeluftleitung
<b>27</b>		<b>Speed control</b>	
27	0507 0040	Fastenings	Befestigungsteile
27	0507 0332	Blanking parts	Verschlusssteile
27	0507 0613	Mount	Anbau
27	0507 2394	Fastenings	Befestigungsteile
27	0507 2813	Control rod	Regelstange
27	0507 4540	Idler gear	Zwischenrad
27	0507 8772	Controller	Regler
<b>38</b>		<b>Water pipes</b>	
38	0507 4987	Outlet/exh.branch	Austrittstutzen
38	0507 6877	Thermostat	Thermostat
38	0507 7991	Connection	Anschluss
<b>39</b>		<b>Cooling air blower</b>	
39	0507 4946	V-rib.belt pulley	Keilrippenscheibe
39	0507 4993	Fastenings	Befestigungsteile
39	0507 7668	Fastenings	Befestigungsteile
39	0507 8761	V-ribbed belt	Keilrippenriemen
39	0507 8762	Idler roller	Umlenkrolle
39	0507 8763	Fan support	Luefterlagerung
39	0507 8810	Belt tensioner	Riemenspanner
39	0511 1547	Fan bracket	Luefterkonsole
39	0511 1548	Fastenings	Befestigungsteile
<b>41</b>		<b>Exhaust manifold</b>	
41	0507 0507	Companion flange	Gegenflansch
41	0507 7655	Exhaust pipe	Abgasleitung
41	0507 8238	Gasket	Dichtung
<b>43</b>		<b>Turbocharger</b>	
43	0507 6421	Return line	Ruecklaufleitung
43	0507 6422	Lubricat. oil line	Schmieroelleitung
43	0507 8723	Turbocharger	Abgasturbolader
<b>44</b>		<b>Alternator/starter motor</b>	

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<b>ETL scope:</b>	EU467362		

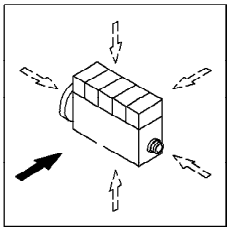
CG	ETL-No.	Designation (en)	Designation (de)
44	0507 2725	Starter	Starter
44	0507 7766	V-rib.belt pulley	Keilrippenscheibe
44	0507 7770	Generator	Generator
44	0507 8764	Accessories	Anbauteile
<b>46</b>		<b>Engine mounting, rigid</b>	
46	0507 0139	Accessories	Anbauteile
46	0507 1239	Accessories	Anbauteile
46	0507 1240	Accessories	Anbauteile
<b>48</b>		<b>Electrical accessories</b>	
48	0507 0149	Blanking parts	Verschlusssteile
48	0507 6023	Accessories	Anbauteile
48	0507 6024	Temper.transmitter	Temperaturgeber
48	0507 8255	Oil pressur.switch	Oeldruckschalter
<b>51</b>		<b>Measuring instruments</b>	
51	0507 8125	Temper.transmitter	Temperaturgeber
<b>52</b>		<b>Clutch</b>	
52	0507 8284	Bush	Buchse
<b>56</b>		<b>Engine shutdown</b>	
56	0507 6186	Accessories	Anbauteile
56	0507 6192	Shutdown device	Motorabstellung
<b>63</b>		<b>Starting aid</b>	
63	0507 0159	Blanking parts	Verschlusssteile
63	0507 8237	Gl.time contr.unit	Gluezeitst.Geraet
63	0507 8387	Relay	Relais
63	0507 8765	Heating flange	Heizflansch
<b>75</b>		<b>Heating system</b>	
75	0507 1162	Blanking parts	Verschlusssteile
75	0507 8766	Heating tube	Heizrohr
<b>83</b>		<b>Hydraulic pump</b>	
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
<b>90</b>		<b>Set of parts</b>	
90	0507 0283	Cool.syst.protect.	Kuehlsystemschutz
90	0507 7746	Gasket set	Dichtungssatz
90	0511 9030	Engine oil	Motorenoel

ETL no.: 0507 0027 Plug

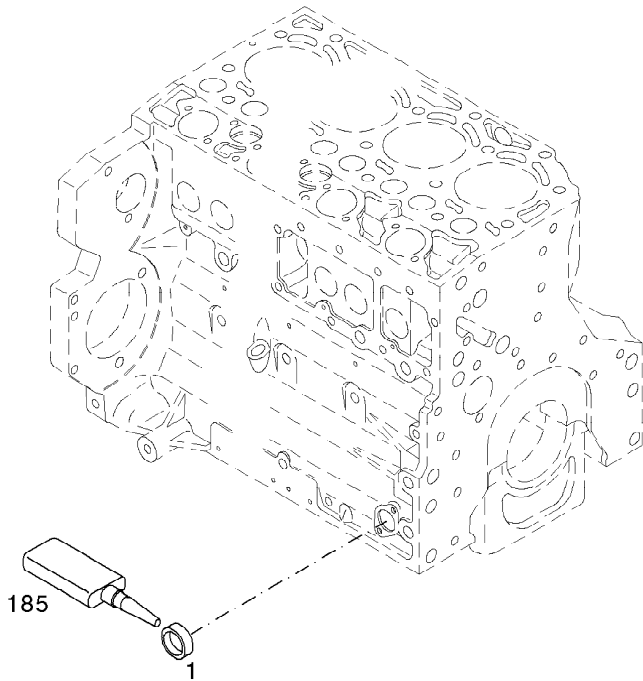
Constr. Group: 01

Equipment: 00010024597  
Output: 0000074,9 kW  
ETL scope: EU467362

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



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

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

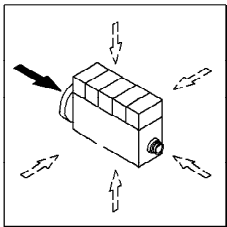
Equipment:00010024597

Output:0000074,9 kW

ETL scope:EU467362

Engine type:BF 6M2012

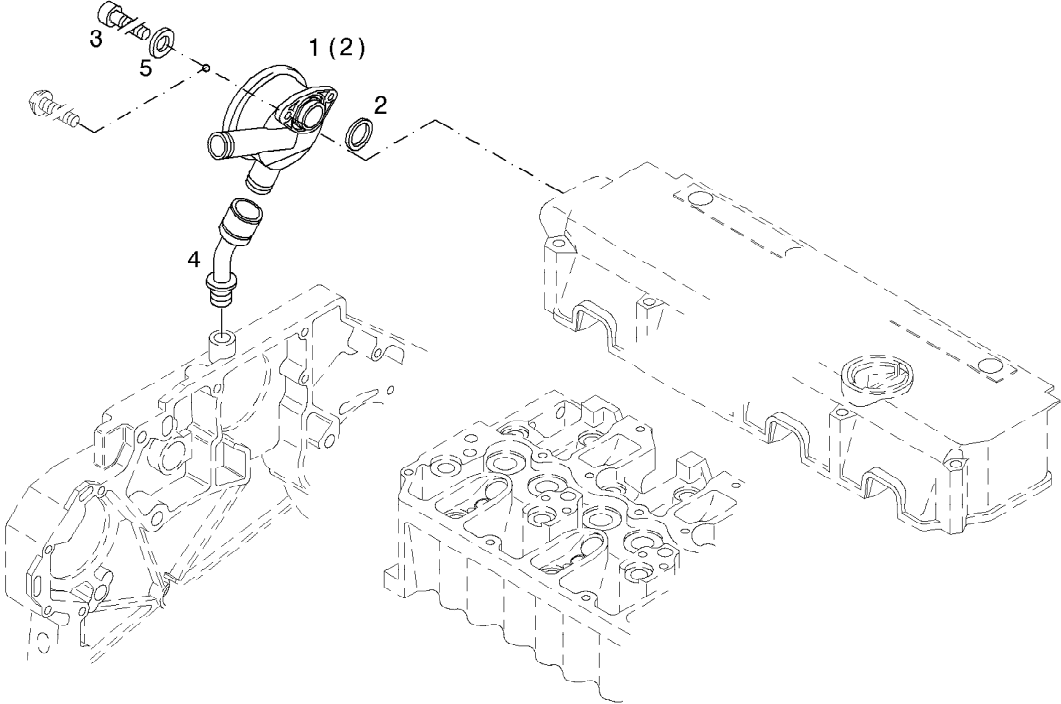
Speed:2200 1/min



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

09.95

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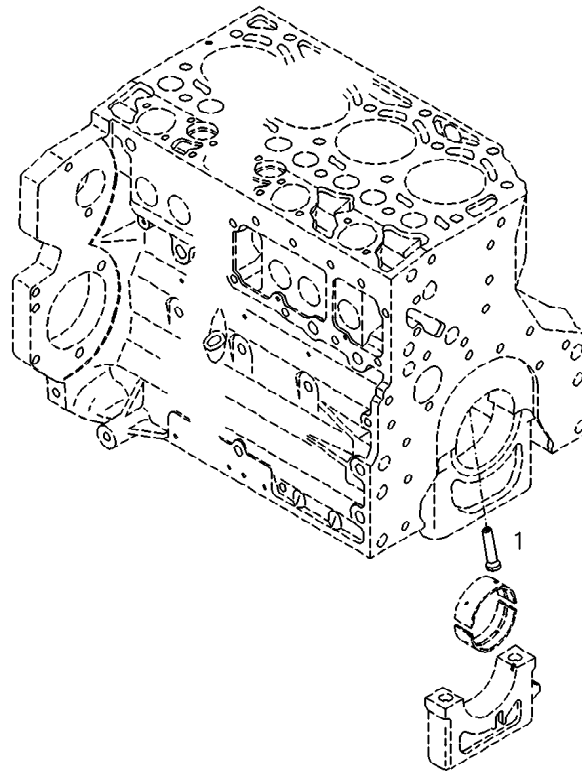
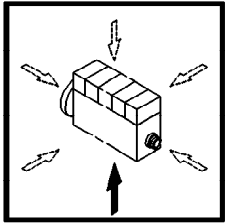
Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (de)	Remark
1	04203321	Kit !	90	90	1	ST		Pressure regulator	Druckregelventil	WITH ITEM.... (2)
2	04206233	Kit !			1	ST		Gasket	Dichtung	
3	01148431				2	ST		Cheese head screw	Zylinderschraube	FROM MNFG MONTH (A) UP TO MNFG MONTH SEE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

Equipment: 00010024597  
Output: 0000074,9 kW  
ETL scope: EU467362

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



001 ©

0507 2355

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

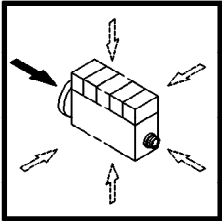


ETL no.: 0507 2810    Bush

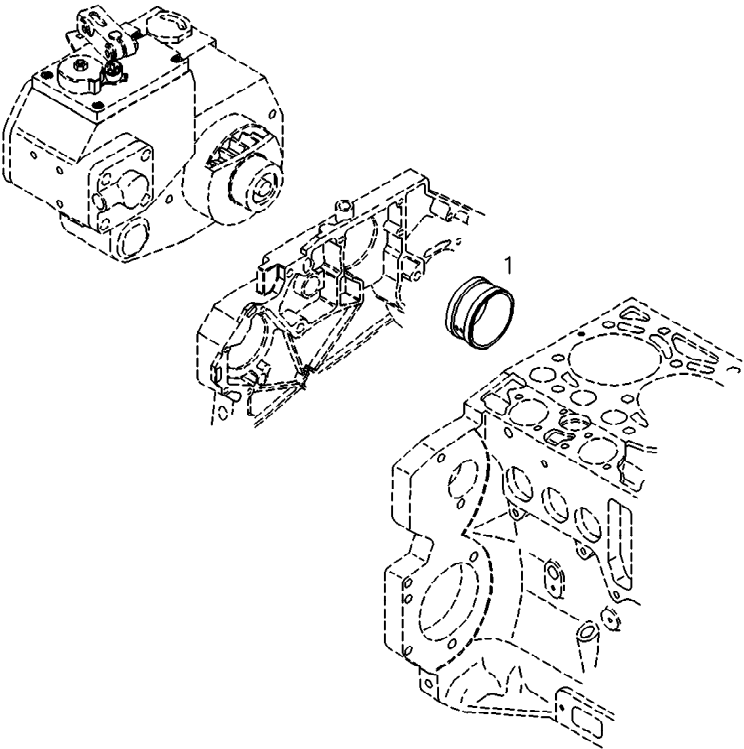
Constr. Group: 01

Equipment: 00010024597  
Output: 0000074,9 kW  
ETL scope: EU467362

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



002



0507 2810

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

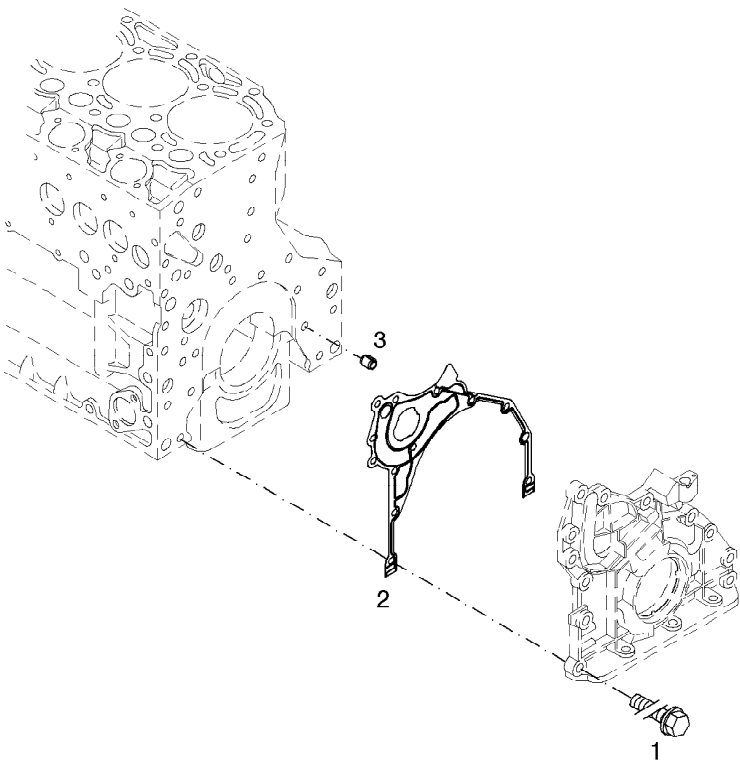
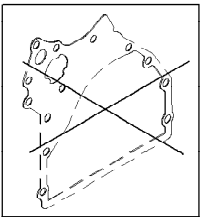
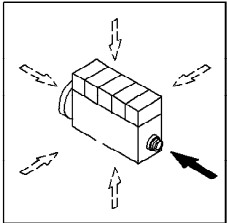
ETL no.: 0507 2823 Fastenings

Constr. Group: 01

Equipment: 00010024597  
Output: 0000074,9 kW  
ETL scope: EU467362

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

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Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (de)	Remark
1	01143362			12	ST		Hexagon bolt	Sechskantschraube	5 Nm, 30 Nm , attend Workshop Manual 5 Nm, 21 Nm , Papierdichtung 0425 9220
2	04504325	Kit !		1	ST		Gasket	Dichtung	
3	01181406	Kit !		1	ST		Clamping bush	Spannbuchse	

## Materials order list

Order:  
User:  
Date of maintenance measure:

Customer:  
Reference:  
Equipment: 00010024597

Date/Time: 2025.02.12 19:33:30  
EL-ID: 2012M; EL-No.: 03121884  
Equipment: 00010024597  
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