



Spare Parts Catalog

Engine type: BF 4L 2011
Serial number: 10160247
Output: 55.1 kW
Speed: 2800 rpm

Equipment information

Equipment: 00010160247
Type: BF 4L2011
Output: 0000055,1 kW
Speed: 2800 1/min
Build date: 29.04.2006
KLU-Number: 2500 6429/70019232
ETL scope: EU516428
MVS: 811

Customer: Sandvik Tamrock Seco.
Location: Meyzieu Cedex
Country: France

VKU date: 03.05.2006

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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10	Camshaft
11	Timing gears
14	Lube oil pump
15	Lube oil cooler
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18	Injection pump drive
19	Injector
20	Fuel filter
21	Fuel pipes / Fuel tank
22	Suction pipe / Air cleaner

GROUP	ASSEMBLY
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Assembly group directory

Equipment:	00010160247	Engine type:	BF 4L2011
Output:	0000055,1 kW	Speed:	2800 1/min
ETL scope:	EU516428		

CG	ETL-No.	Designation (en)	Designation (en)
1		Crankcase	
1	0507 4210	Crankcase breather	Crankcase breather
1	0507 7832	Dipstick	Dipstick
1	0507 7899	Engine block	Engine block
1	0507 9188	Rear end cover	Rear end cover
2		Oil pan	
2	0506 9057	Oil pan	Oil pan
5		Crankshaft	
5	0505 1754	Power take-off	Power take-off
5	0506 8138	Crankshaft	Crankshaft
5	0507 4151	Flywheel	Flywheel
5	0507 4237	Accessories	Accessories
6		Connecting rod	
6	0507 7880	Connecting rod	Connecting rod
7		Piston	
7	0507 9254	Piston	Piston
8		Cylinder head	
8	0506 7612	Filler cap	Filler cap
8	0506 9155	Valve mechan.cover	Valve mechan.cover
8	0507 4211	Cylinder head	Cylinder head
8	0507 7836	Fastenings	Fastenings
10		Camshaft	
10	0507 9021	Fastenings	Fastenings
10	0507 9185	Camshaft drive	Camshaft drive
10	0507 9198	Protection hood	Protection hood
10	0511 3634	Camshaft	Camshaft
11		Timing gears	
11	0505 1930	Rocker arm bracket	Rocker arm bracket
11	0506 7617	Valve drive	Valve drive
14		Lube oil pump	
14	0507 9248	Oil pump	Oil pump
15		Lube oil/-cooler	
15	0506 4400	Lubric. oil filter	Lubric. oil filter
15	0507 4378	Oil cooler	Oil cooler
15	0507 7896	Bracket	Bracket
15	0507 7917	Pilot line	Pilot line
16		Oil pipes	
16	0506 7624	Press.relief valve	Press.relief valve
16	0506 7625	Oil suction line	Oil suction line
16	0506 8258	Oil return pipe	Oil return pipe
16	0506 9035	Lubricat. oil line	Lubricat. oil line
17		Injection pump	
17	0506 7639	Screw plug	Screw plug
17	0511 3631	Fuel inject. pump	Fuel inject. pump
17	0511 3632	Fastenings	Fastenings
19		Injector	
19	0507 9013	Fuel injector	Fuel injector
20		Fuel filter	

Equipment:	00010160247	Engine type:	BF 4L2011
Output:	0000055,1 kW	Speed:	2800 1/min
ETL scope:	EU516428		

CG	ETL-No.	Designation (en)	Designation (en)
20	0506 7542	Filter cartridge	Filter cartridge
20	0506 7643	Fastenings	Fastenings
20	0507 4115	Boost control	Boost control
20	0507 9014	Fuel supply pump	Fuel supply pump
21		Fuel pipes/fuel tank	
21	0507 9002	Fuel line	Fuel line
21	0507 9015	High pressure pipe	High pressure pipe
21	0507 9170	Fuel filter	Fuel filter
21	0507 9172	Fuel line	Fuel line
21	0507 9296	Fuel line	Fuel line
21	0507 9299	Fuel line	Fuel line
22		Suction pipe/air cleaner	
22	0506 3419	Blanking parts	Blanking parts
22	0506 8279	Hose assembly	Hose assembly
22	0506 9131	Cap	Cap
22	0506 9171	Transfer pipe	Transfer pipe
22	0507 5409	Service gauge	Service gauge
22	0507 9207	Charge air pipe	Charge air pipe
26		Heater plug installation	
26	0506 3366	Glow plug	Glow plug
27		Speed control	
27	0506 7616	Control rod	Control rod
27	0507 9118	Torque contr.sprg.	Torque contr.sprg.
27	0507 9155	Solenoid	Solenoid
27	0511 3614	Torge adapter	Torge adapter
27	0511 3652	Front cover/govern	Front cover/govern
39		Cooling air blower	
39	0505 1119	Tensioning pulley	Tensioning pulley
39	0506 3354	Narrow v-belt	Narrow v-belt
39	0506 7679	Sealing section	Sealing section
39	0506 7681	Blower jacket	Blower jacket
39	0507 9237	Cooling fan	Cooling fan
40		Cooling air ducting	
40	0506 8013	Sectional rubber	Sectional rubber
40	0506 8215	Air guidance	Air guidance
40	0507 4284	Fastenings	Fastenings
40	0507 4285	Air guide hood	Air guide hood
40	0507 9125	Air duct rear wall	Air duct rear wall
41		Exhaust manifold	
41	0506 3108	Companion flange	Companion flange
41	0506 9183	Exhaust manifold	Exhaust manifold
43		Turbocharger	
43	0507 9011	Turbocharger	Turbocharger
44		Alternator/starter motor	
44	0507 9008	Generator	Generator
44	0507 9246	Starter	Starter
46		Engine mounting, rigid	
46	0506 7599	Engine mounting	Engine mounting
46	0511 9031	Engine mounting	Engine mounting
48		Electrical accessories	

Equipment:	00010160247	Engine type:	BF 4L2011
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ETL scope:	EU516428		

CG	ETL-No.	Designation (en)	Designation (en)
48	0506 7631	Electric line	Electric line
48	0506 8111	Fastenings	Fastenings
48	0506 8115	Plug housing	Plug housing
48	0506 8273	Fastenings	Fastenings
48	0507 4135	Control unit	Control unit
48	0507 9133	Cable harness	Cable harness
48	0507 9274	Fastenings	Fastenings
48	0507 9276	Fastenings	Fastenings
48	0507 9278	Fastenings	Fastenings
48	0507 9279	Fastenings	Fastenings
48	0507 9290	Interconnect.cable	Interconnect.cable
51		Measuring instruments	
51	0506 7636	Oil pressur.switch	Oil pressur.switch
51	0511 3667	Temper.transmitter	Temper.transmitter
52		Clutch	
52	0505 1756	Cover plate	Cover plate
52	0506 9152	Adapter housing	Adapter housing
56		Engine shutdown	
56	0507 9084	Shutdown device	Shutdown device
56	0507 9139	Fastenings	Fastenings
57		V-belt guard	
57	0507 4298	V-belt guard	V-belt guard
61		Air discharge frame	
61	0506 9040	Air outlet frame	Air outlet frame
61	0507 4379	Air duct	Air duct
83		Hydraulic pump	
83	0507 4209	Protection hood	Protection hood
83	0507 4235	Blanking parts	Blanking parts
83	0507 4272	Clutch sleeve	Clutch sleeve
83	0507 9064	Accessories	Accessories
90		Set of parts	
90	0507 4086	Supplem.gasket set	Supplem.gasket set
90	0507 7823	Gasket set	Gasket set
90	0511 9030	Engine oil	Engine oil
98		Optional extras	
98	0417 0886	Compression spring	Compression spring

ETL no.: 0507 4210 Crankcase breather Constr. Group: 01

Equipment:

Output:

ETL scope:

00010160247

0000055,1 kW

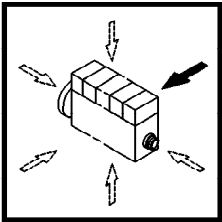
EU516428

Engine type:

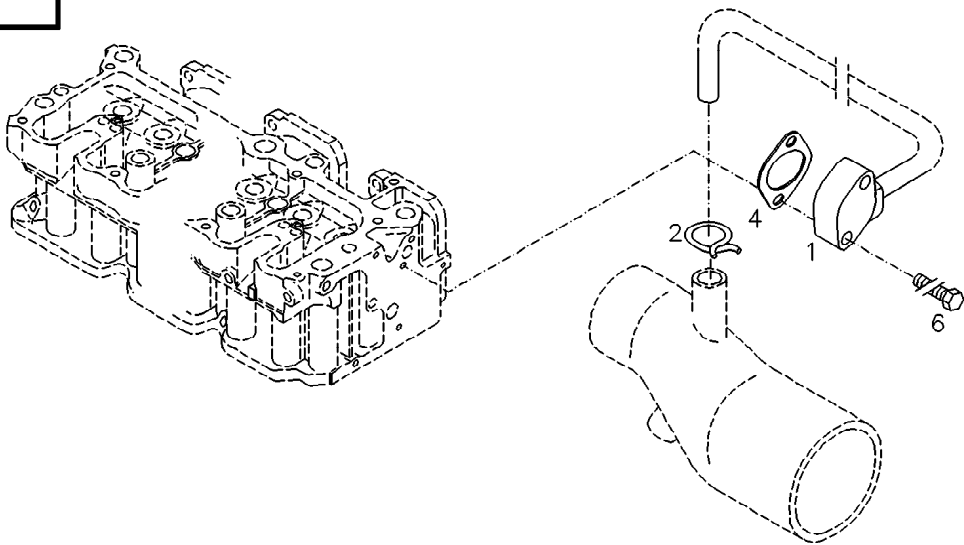
Speed:

BF 4L2011

2800 1/min



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0507 4210

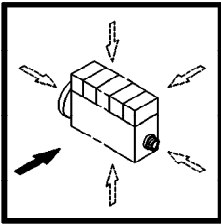
Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04280347	Kit ?		1	ST		Breather pipe	Breather pipe	
2	01178468	Kit ?		1	ST		Hose clip	Hose clip	
4	04271080	Kit ?		1	ST		Gasket	Gasket	
6	01181882	Kit ?		2	ST		Hexagon bolt	Hexagon bolt	

ETL no.: 0507 7832 Dipstick

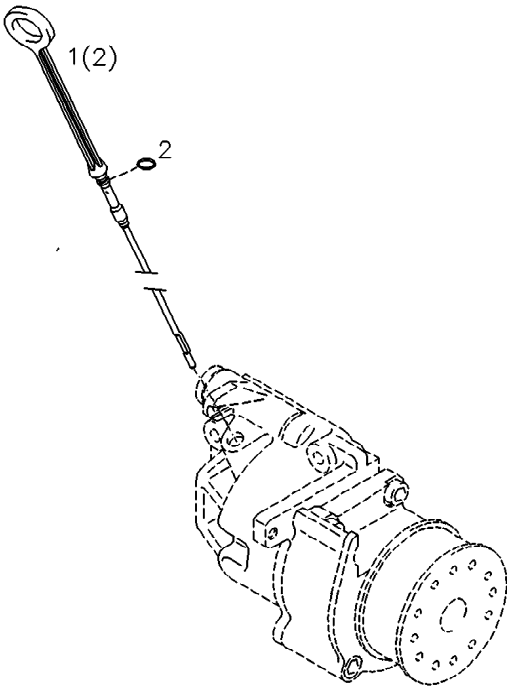
Constr. Group: 01

Equipment: 00010160247
Output: 0000055,1 kW
ETL scope: EU516428

Engine type: BF 4L2011
Speed: 2800 1/min



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0507 7832

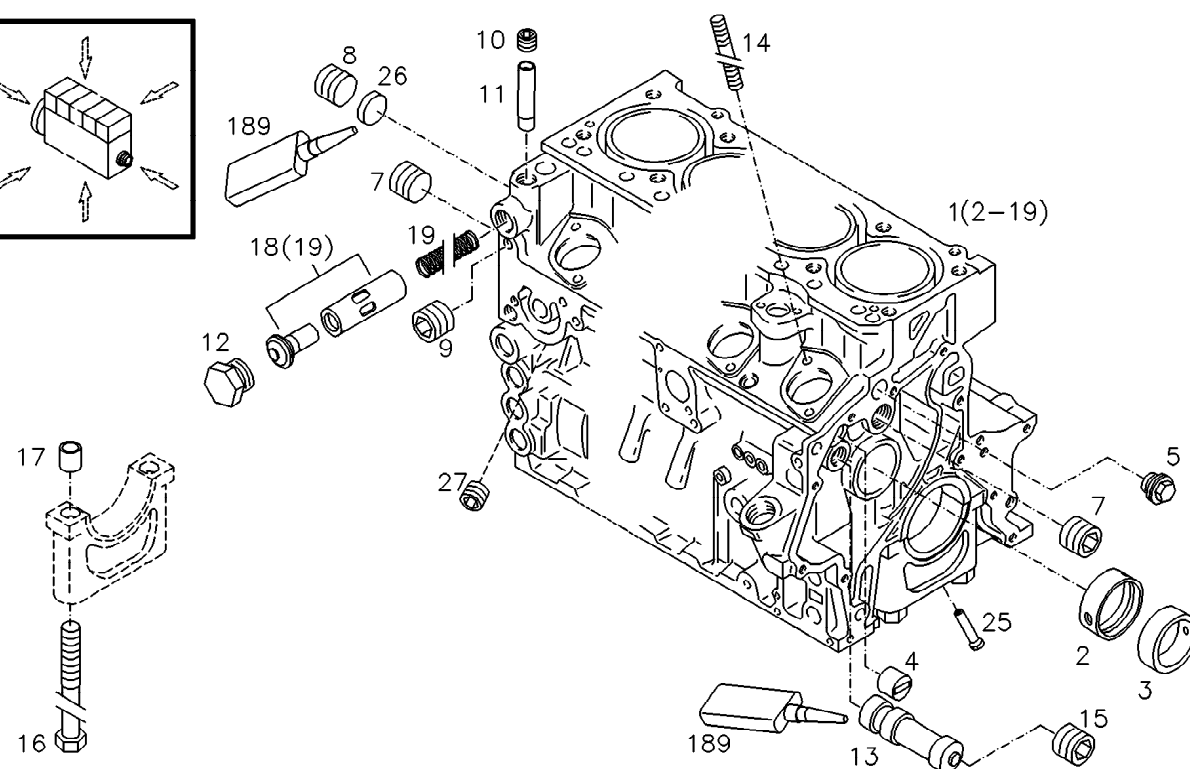
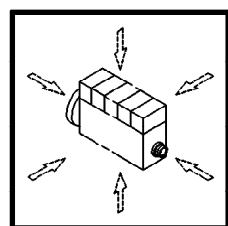
Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04272802	Kit ?		1	ST		Dipstick	Dipstick	WITH ITEM.... (2)
2	01180693	Kit ?		1	ST		O-seal	O-seal	

ETL no.: 0507 7899 Engine block

Constr. Group: 01

Equipment: 00010160247
 Output: 0000055,1 kW
 ETL scope: EU516428

Engine type: BF 4L2011
 Speed: 2800 1/min



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0507 7899

Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04281308	Kit ?		1	ST		Engine block	Engine block	WITH ITEM.... (2-19)
2	04178155	Kit ?		3	ST		Wrapped bear. bush	Wrapped bear. bush	
3	04178154	Kit ?		2	ST		Wrapped bear. bush	Wrapped bear. bush	
4	04287999	Kit ?		2	ST		Guide sleeve	Guide sleeve	
5	04178741	Kit ?		1	ST		Screw plug	Screw plug	
7	04271453	Kit ?		2	ST		Screw plug	Screw plug	
8	01180891	Kit ?		1	ST		Screw plug	Screw plug	
9	01180889	Kit ?		1	ST		Screw plug	Screw plug	
10	01180887	Kit ?		1	ST		Screw plug	Screw plug	
11	04178218	Kit ?		1	ST		Tube	Tube	
12	04270312	Kit ?		1	ST		Screw plug	Screw plug	WITH ITEM.... (40)
13	04281325	Kit ?		1	ST		Plug	Plug	
14	01182090	Kit ?		8	ST		Stud	Stud	
15	01180888	Kit ?		2	ST		Screw plug	Screw plug	
16	02108134	Kit ?		10	ST		Hexagon bolt	Hexagon bolt	
17	03362279	Kit ?		10	ST		Bush	Bush	
18	04179928	Kit ? 90	90	1	ST		Thermostat	Thermostat	WITH ITEM.... (19)
19	04178238	Kit ?		1	ST		Compression spring	Compression spring	
25	04178452	Kit ?		8	ST		Piston cool.nozzle	Piston cool.nozzle	
26	01148153	Kit ?		1	ST		Cover	Cover	