

Equipment information

Equipment: 00002201090
Type: TBD16 620V
Output: 0001760,0 kW
Speed: 1500 1/min
Build date: 30.09.1999
KLU-Number:
ETL scope: EU124497
MVS: 211

VKU date: 08.11.1999
VKU' date:
Commissioning date: 25.05.2000
Begin of guarantee period: 25.05.2000
Man. begin of guar. period: no
End of guarantee period:
ID maintenance contract:
ID insurance contract:
Guarantee package: 2

Assembly group directory

Equipment: 00002201090
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CG	ETL-No.	Designation (en)	Designation (en)
1		Crankcase	
1	0508 1393	Crankc. end cover	Crankc. end cover
1	0508 1398	Engine mounting	Engine mounting
1	0508 5021	Tdc-pointer	Tdc-pointer
1	0508 5027	Crankcase	Crankcase
1	0508 5032	Cover	Cover
1	0508 5033	Cover	Cover
1	0508 5064	Cover	Cover
1	0508 5099	Cover	Cover
1	0508 5158	Disch./drain pipe	Disch./drain pipe
1	0508 5161	Piston cooling	Piston cooling
1	0508 5543	Crankcase breather	Crankcase breather
1	0508 5544	Crankcase breather	Crankcase breather
2		Oil pan	
2	0508 5221	Oil pan	Oil pan
2	0508 5500	Dipstick	Dipstick
5		Crankshaft	
5	0508 0852	Starter ring gear	Starter ring gear
5	0508 4062	Accessories	Accessories
5	0508 5000	Flywheel flange	Flywheel flange
5	0508 5003	Crankshaft	Crankshaft
5	0508 5004	Crankshaft access.	Crankshaft access.
5	0508 5005	Crankshaft access.	Crankshaft access.
5	0508 5006	Main bearing	Main bearing
5	0508 5183	Flywheel	Flywheel
6		Connecting rod	
6	0508 5083	Big end bearing	Big end bearing
6	0508 5135	Connecting rod	Connecting rod
7		Piston	
7	0508 5217	Piston	Piston
8		Cylinder head	
8	0508 1177	Valve mechan.cover	Valve mechan.cover
8	0508 2914	Linkage	Linkage
8	0508 3566	Regulator	Regulator
8	0508 4310	Cool.water passage	Cool.water passage
8	0508 5062	Installation parts	Installation parts
8	0508 5180	Cylinder head	Cylinder head
9		Timing chest	
9	0508 5022	Crankc. end cover	Crankc. end cover
9	0508 5050	Idler gear	Idler gear
9	0508 5056	Idler bearing	Idler bearing
9	0508 5058	Idler gear	Idler gear
9	0508 5086	Toothed gear	Toothed gear
9	0508 5091	Toothed gear	Toothed gear
10		Camshaft	
10	0508 5013	Camshaft	Camshaft
10	0508 5057	Support	Support
10	0508 5087	Toothed gear	Toothed gear
10	0508 5088	Fastenings	Fastenings
11		Timing gears	

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CG	ETL-No.	Designation (en)	Designation (en)
11	0508 5092	Valve drive	Valve drive
14		Lube oil pump	
14	0508 2121	Installation parts	Installation parts
14	0508 5362	Lubricat. oil pump	Lubricat. oil pump
15		Lube oil/-cooler	
15	0508 5038	Oil cooler	Oil cooler
15	0508 5039	Oil cooler	Oil cooler
15	0508 5045	Bracket	Bracket
15	0508 5046	Bracket	Bracket
15	0508 5067	Oil centrifuge	Oil centrifuge
15	0508 5141	Lubric. oil filter	Lubric. oil filter
16		Oil pipes	
16	0508 5001	Lubricat. oil line	Lubricat. oil line
16	0508 5008	Oil line	Oil line
16	0508 5015	Pressure oil line	Pressure oil line
16	0508 5077	Oil line	Oil line
16	0508 5078	Oil line	Oil line
16	0508 5093	Oil line	Oil line
16	0508 5129	Oil suction line	Oil suction line
16	0508 5142	Oil line	Oil line
16	0508 5174	Oil drain pipe	Oil drain pipe
16	0508 5186	Oil line	Oil line
16	0508 5187	Oil line	Oil line
16	0508 5324	Oil line	Oil line
16	0508 5325	Press.relief valve	Press.relief valve
16	0508 5370	Blanking parts	Blanking parts
16	0508 5372	Priming set assy	Priming set assy
16	0508 5520	Oil line	Oil line
16	0508 5522	Oil line	Oil line
16	0508 5546	Oil level control	Oil level control
17		Injection pump	
17	0508 1246	Indicator	Indicator
17	0508 2139	Fastenings	Fastenings
17	0508 5010	Fuel inject. pump	Fuel inject. pump
17	0508 5011	Fuel inject. pump	Fuel inject. pump
17	0508 5054	Control rod	Control rod
18		Injection pump drive	
18	0508 5314	Inject. pump drive	Inject. pump drive
18	0508 5315	Clutch/coupling	Clutch/coupling
19		Injector	
19	0508 2165	Clamping yoke	Clamping yoke
19	0508 2166	Installation parts	Installation parts
19	0508 5094	Fuel injector	Fuel injector
20		Fuel filter	
20	0508 2350	Fuel duplex filter	Fuel duplex filter
20	0508 5136	Fuel pump	Fuel pump
20	0508 5512	Fastenings	Fastenings
21		Fuel pipes/fuel tank	
21	0508 5066	Fuel line	Fuel line
21	0508 5210	High pressure pipe	High pressure pipe
21	0508 5350	Fuel line	Fuel line

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CG	ETL-No.	Designation (en)	Designation (en)
21	0508 5356	Fuel pump	Fuel pump
21	0508 5517	Manifold	Manifold
21	0508 5518	Distributor panel	Distributor panel
21	0508 5523	Fuel line	Fuel line
21	0508 5524	Fuel line	Fuel line
22		Suction pipe/air cleaner	
22	0508 5545	Filter housing	Filter housing
27		Speed control	
27	0508 4394	Actuator	Actuator
27	0508 4395	Control unit	Control unit
27	0508 5209	Contr. device assy	Contr. device assy
27	0508 5269	Linkage	Linkage
34		Vibration damper	
34	0508 5043	Fastenings	Fastenings
34	0508 5283	Vibration damper	Vibration damper
36		Water cooler	
36	0508 5140	Housing	Housing
36	0508 5345	Bracket	Bracket
37		Cooling water pump	
37	0508 5024	Cooling water pump	Cooling water pump
37	0508 5109	Cooling water pump	Cooling water pump
37	0508 5150	Cooling water pump	Cooling water pump
37	0508 5151	Cooling water pump	Cooling water pump
38		Water pipes	
38	0506 1444	Temper. controller	Temper. controller
38	0508 2413	Welding flange	Welding flange
38	0508 2416	Compensator	Compensator
38	0508 2417	Breather line	Breather line
38	0508 5047	Cooling water line	Cooling water line
38	0508 5095	Cooling water line	Cooling water line
38	0508 5096	Cooling water line	Cooling water line
38	0508 5105	Bracket	Bracket
38	0508 5143	Cooling water line	Cooling water line
38	0508 5149	Cooling water line	Cooling water line
38	0508 5211	Cooling water line	Cooling water line
38	0508 5212	Cooling water line	Cooling water line
38	0508 5220	Cooling water line	Cooling water line
38	0508 5226	Cooling water line	Cooling water line
38	0508 5364	Cooling water line	Cooling water line
38	0508 5367	Cooling water line	Cooling water line
38	0508 5368	Cooling water line	Cooling water line
41		Exhaust manifold	
41	0508 3244	Exhaust manifold	Exhaust manifold
41	0508 3865	Exhaust pipe	Exhaust pipe
41	0508 3866	Exhaust pipe	Exhaust pipe
41	0508 4142	Compensator	Compensator
43		Turbocharger	
43	0508 3286	Accessories	Accessories
43	0508 5202	Turbocharger	Turbocharger
44		Alternator/starter motor	

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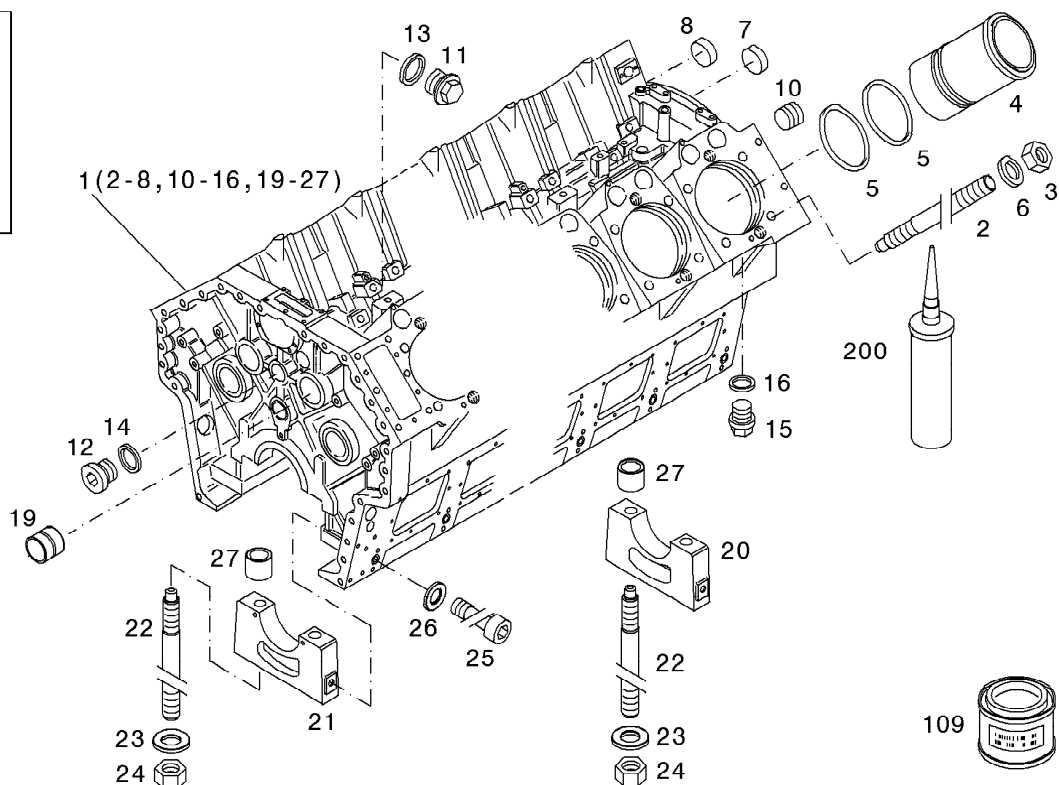
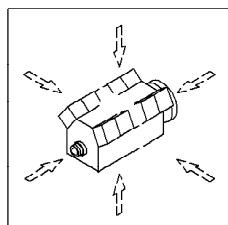
CG	ETL-No.	Designation (en)	Designation (en)
44	0508 0848	Starter motor	Starter motor
44	0508 1232	Hose assembly	Hose assembly
44	0508 5028	Bracket	Bracket
46		Engine mounting, rigid	
46	0508 5189	Claw	Claw
48		Electrical accessories	
48	0508 3657	Switch clock	Switch clock
48	0508 3900	Magnet/solenoid	Magnet/solenoid
48	0508 4206	Thermocouple	Thermocouple
48	0508 4304	Thermocouple	Thermocouple
48	0508 4367	Cabling	Cabling
48	0508 5153	Cabling	Cabling
48	0508 5196	Cable terminal box	Cable terminal box
48	0508 5198	Cabling	Cabling
48	0508 5287	Switch mounting	Switch mounting
48	0508 5288	Accessories	Accessories
48	0508 5301	Tacho-generator	Tacho-generator
48	0508 5541	Resist.thermometer	Resist.thermometer
48	0509 4588	Press. transformer	Press. transformer
48	0509 6055	Resist.thermometer	Resist.thermometer
49		Tools	
49	0501 8702	Turn-over gear	Turn-over gear
49	0508 3591	Toolkit	Toolkit
51		Measuring instruments	
51	0508 4336	Thermocouple	Thermocouple
57		V-belt guard	
57	0508 5284	Protection	Protection
58		Intercooler	
58	0508 3008	Fastenings	Fastenings
58	0508 5017	Radiator bracket	Radiator bracket
58	0508 5018	Radiator bracket	Radiator bracket
58	0508 5321	Cover	Cover
58	0508 5365	Cover	Cover
58	0508 5366	Cover	Cover
63		Starting aid	
63	0508 2517	Heater connection	Heater connection
87		Charge air pipe	
87	0508 1354	Intake manifold	Intake manifold
87	0508 2251	Bush	Bush
87	0508 2252	Cover	Cover
87	0508 2282	Bush	Bush
87	0508 2485	Cover	Cover
87	0508 2950	Air guidance	Air guidance
87	0508 2951	Air guidance	Air guidance
87	0508 3028	Charge air pipe	Charge air pipe
87	0508 5071	Intake manifold	Intake manifold
90		Set of parts	
90	0508 5903	Gasket set	Gasket set
90	0508 5905	Gasket set	Gasket set
90	0508 5908	Gasket set	Gasket set

ETL no.: 0508 5027 Crankcase

Constr. Group: 01

Equipment: 00002201090
Output: 0001760,0 kW
ETL scope: EU124497

Engine type: TBD16 620V
Speed: 1500 1/min



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Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	12302016				1	ST		Crankcase	Crankcase	WITH ITEM.... (2-8,10-16,19-27)
2	12303038	Kit !			64	ST		Stud	Stud	
3	01176614				64	ST		Hexagon nut	Hexagon nut	
4	12302057	Kit !	90	90	16	ST		Cylinder liner	Cylinder liner	
5	12027235	Kit !	10	10	32	ST		O-ring	O-ring	
6	01176709				64	ST		Plain washer	Plain washer	
7	01165835				2	ST		Core hole plug	Core hole plug	
8	01165841				3	ST		Core hole plug	Core hole plug	
10	01102140		20	20	2	ST		Screw plug	Screw plug	
11	01152105		20	20	76	ST		Screw plug	Screw plug	
12	01139505				1	ST		Screw plug	Screw plug	
13	01102146	Kit !			76	ST		Sealing ring	Sealing ring	
14	01118841				1	ST		Sealing ring	Sealing ring	
15	01110445				3	ST		Screw plug	Screw plug	
16	01124011				3	ST		Sealing ring	Sealing ring	
19	12027574	Kit !			18	ST		Bearing bush	Bearing bush	
20	12302052				8	ST		Bearing cap	Bearing cap	
21	12302053				1	ST		Bearing cap	Bearing cap	
22	12302024	Kit !			18	ST		Stud	Stud	
23	12302064	Kit !			18	ST		Plain washer	Plain washer	
24	01181415	Kit !			18	ST		Hexagon nut	Hexagon nut	
25	01180087				18	ST		Cheese head screw	Cheese head screw	
26	12302015				18	ST		Plain washer	Plain washer	
27	12302014				18	ST		Bush	Bush	

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Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
109	01001202		90	90	1	KG		Packing compound	Packing compound	
200	01016232				1	KG		Packing compound	Packing compound	

Materials order list

Order:

User:

Date of maintenance measure:

Customer:

Reference:

Equipment: 00002201090

Date/Time: 2021.03.16 19:23:45

EL-ID: _620D; EL-No.: 09999998

Equipment: 00002201090

Engine type: TBD16 620V

Materials for maintenance measure:

E10 -- Initial maintenance

E23 -- maintenance work as per plan

E25 -- maintenance work as per plan

E30 -- inspection

E40 -- 1st extended inspection

E50 -- 2nd extended inspection

E60 -- intermediate overhaul

E70 -- major overhaul

KT (eFHa) -- classification parts (cabotage, main engine)

KT (uFHa) -- classification parts (ocean navigation, main engine)

KT (uFHi) -- classification parts (ocean navigation, auxiliary engine)

RS Zyl.K -- repair kit cylinder head

No	Qty	Material	MS	VS	Weight	Total ..	Unit Price	Total Price	Designation	from ETL	AG	Item	Service	EL-ID	ID-No.	Quantity used
0001000	3	0111 8760			0,004	0,012			Sealing ring	0508 5221	2	3	E10	_620D	0020001	3
0002000	16	1203 2892			0,038	0,608			Gasket	0508 1177	8	5	E10	_620D	0080016	16
0003000	1	0117 6793			0,005	0,005			O-seal	0508 5067	15	11	E10	_620D	0150001	1
0004000	1	0117 6796			0,005	0,005			O-seal	0508 5067	15	12	E10	_620D	0150002	1
0005000	1	1202 8214	20	20	0,083	0,083			Sealing sleeve	0508 5067	15	13	E10	_620D	0150003	1
0006000	4	1212 8936			2,020	8,080			Lubric. oil filter	0508 5141	15	3	E10	_620D	0150004	4
0007000	1	1230 3447			7,200	7,200			Air filter	0508 5545	22	1	E10	_620D	0220001	1
0008000	3	0111 8760			0,004	0,012			Sealing ring	0508 5221	2	3	E23	_620D	0020001	3
0009000	1	0117 6793			0,005	0,005			O-seal	0508 5067	15	11	E23	_620D	0150001	1
0010000	1	0117 6796			0,005	0,005			O-seal	0508 5067	15	12	E23	_620D	0150002	1
0011000	1	1202 8214	20	20	0,083	0,083			Sealing sleeve	0508 5067	15	13	E23	_620D	0150003	1
0012000	4	1212 8936			2,020	8,080			Lubric. oil filter	0508 5141	15	3	E23	_620D	0150004	4
0013000	2	1215 4599			0,018	0,036			Sealing ring	0508 2350	20	3	E23	_620D	0200001	2
0014000	2	0115 1306			0,270	0,540			Filter element	0508 2350	20	4	E23	_620D	0200002	2
0015000	1	1202 8289			0,003	0,003			O-ring	0508 2350	20	5	E23	_620D	0200003	1
0016000	1	0126 2535			0,021	0,021			Sealing ring	0508 2350	20	10	E23	_620D	0200005	1
0017000	3	0111 8760			0,004	0,012			Sealing ring	0508 5221	2	3	E25	_620D	0020001	3
0018000	16	1203 2892			0,038	0,608			Gasket	0508 1177	8	5	E25	_620D	0080016	16