

Equipment information

Equipment: 00005862639
Type: BA12M 816
Output: 0000000,0 kW
Speed: 0000 1/min
Build date: 01.10.1977
KLU-Number:
ETL scope: EU090171
MVS: 211

VKU date: 01.10.1977

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:

Assembly group directory

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CG	ETL-No.	Designation (en)	Designation (en)
1		Crankcase	
1	0501 8406	Oil line	Oil line
1	0501 8413	Rear end cover	Rear end cover
1	0501 8417	Front cover	Front cover
1	0501 8452	Suspension eye	Suspension eye
1	0501 8641	Crankcase	Crankcase
1	0503 1987	Cover	Cover
2		Oil pan	
2	0501 8439	Oil pan	Oil pan
2	0501 8512	Additional tank	Additional tank
2	0501 8515	Dipstick	Dipstick
5		Crankshaft	
5	0501 8408	Damper	Damper
5	0501 8409	Fastenings	Fastenings
5	0501 8486	Crankshaft	Crankshaft
6		Connecting rod	
6	0501 8410	Connecting rod	Connecting rod
7		Piston	
7	0501 8940	Piston	Piston
8		Cylinder head	
8	0501 8423	Cylinder head	Cylinder head
8	0501 8638	Fastenings	Fastenings
8	0501 8784	Cylinder head	Cylinder head
10		Camshaft	
10	0501 8813	Camshaft output	Camshaft output
10	0501 9341	Gear train	Gear train
11		Timing gears	
11	0501 8415	Valve drive	Valve drive
14		Lube oil pump	
14	0501 8400	Lubricat. oil pump	Lubricat. oil pump
15		Lube oil/-cooler	
15	0501 8447	Fastenings	Fastenings
15	0501 8605	Lubric. oil filter	Lubric. oil filter
15	0501 8612	Centrifug.mounting	Centrifug.mounting
15	0503 1339	Oil cooler	Oil cooler
16		Oil pipes	
16	0501 8494	Piston cooling	Piston cooling
16	0501 8514	Suction pipe	Suction pipe
16	0501 8650	Semi-rotary pump	Semi-rotary pump
16	0501 9354	Pressure oil line	Pressure oil line
16	0501 9371	Lubricat. oil line	Lubricat. oil line
17		Injection pump	
17	0501 8553	Fuel inject. pump	Fuel inject. pump
17	0502 7066	Parts of fuel pump	Parts of fuel pump
17	0502 9112	Parts inject.pump	Parts inject.pump
17	0502 9204	Parts of governor	Parts of governor
17	0503 1669	Clutch/coupling	Clutch/coupling
19		Injector	
19	0501 9356	Fuel injector	Fuel injector

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19	0502 9151	Parts of injector	Parts of injector
20		Fuel filter	
20	0501 3045	Solder.nipple	Solder.nipple
20	0501 8520	Fuel duplex filter	Fuel duplex filter
20	0501 8949	Hose assembly	Hose assembly
21		Fuel pipes/fuel tank	
21	0501 8488	Leak off line	Leak off line
21	0501 8492	Hose assembly	Hose assembly
21	0501 8493	Accessories	Accessories
21	0501 8584	High pressure pipe	High pressure pipe
21	0501 8586	Hose assembly	Hose assembly
21	0501 8592	Hose assembly	Hose assembly
21	0501 9363	Drain line	Drain line
21	0501 9364	Fastening clip	Fastening clip
22		Suction pipe/air cleaner	
22	0501 8404	Charge air elbow	Charge air elbow
22	0501 8427	Charge air pipe	Charge air pipe
22	0501 8428	Charge air pipe	Charge air pipe
22	0501 8574	Bypass line	Bypass line
22	0501 8575	Bypass line	Bypass line
22	0503 1595	Wet air cleaner	Wet air cleaner
26		Heater plug installation	
26	0501 8827	Heater system	Heater system
29		Control linkage	
29	0501 8748	Precis.speedcontr.	Precis.speedcontr.
30		Airstarting control	
30	0501 8811	Blow off valve	Blow off valve
30	0501 9339	Bracket	Bracket
30	0503 8856	Fastenings	Fastenings
30	0506 0154	Air distributor	Air distributor
32		Starting system	
32	0501 8727	Pneumatic line	Pneumatic line
34		Vibration damper	
34	0503 8978	Auxiliary drive	Auxiliary drive
37		Cooling water pump	
37	0501 8709	Fastenings	Fastenings
37	0501 8751	Cooling water pump	Cooling water pump
37	0501 8817	Drive	Drive
38		Water pipes	
38	0501 8458	Cooling water line	Cooling water line
38	0501 8946	Cooling water line	Cooling water line
38	0501 9322	Bracket	Bracket
38	0501 9358	Cooling water line	Cooling water line
38	0501 9385	Cooling water line	Cooling water line
38	0503 1325	Breather line	Breather line
38	0503 1368	Cooling water line	Cooling water line
38	0503 1878	Cooling water line	Cooling water line
39		Cooling air blower	
39	0501 8540	Fan support	Fan support
39	0501 8710	Tensioning pulley	Tensioning pulley

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39	0503 1668	Set narrow v-belts	Set narrow v-belts
39	0503 1673	Fan	Fan
39	0503 1861	V-grooved pulley	V-grooved pulley
41		Exhaust manifold	
41	0501 8416	Expansion joint	Expansion joint
41	0501 8461	Support	Support
41	0501 8462	Exhaust manifold	Exhaust manifold
41	0501 8644	Hood	Hood
41	0501 8720	Exm manifold ins	Exm manifold ins
41	0501 9369	Exhaust pipe	Exhaust pipe
41	0501 9370	Exhaust manifold	Exhaust manifold
41	0503 1373	Corrugated tube	Corrugated tube
41	0503 1374	Fixing socle	Fixing socle
41	0503 1375	Connecting pieces	Connecting pieces
43		Turbocharger	
43	0501 8640	Hood	Hood
43	0503 1513	Turbocharger	Turbocharger
44		Alternator/starter motor	
44	0501 8455	Starter	Starter
44	0501 9346	Connection housing	Connection housing
44	0502 8972	Parts start.motor	Parts start.motor
46		Engine mounting, rigid	
46	0501 8749	Engine mounting	Engine mounting
48		Electrical accessories	
48	0501 8593	Temper.transmitter	Temper.transmitter
48	0501 8645	Switching device	Switching device
48	0501 8646	Temper.transmitter	Temper.transmitter
48	0501 8758	Incandescent lamp	Incandescent lamp
48	0501 8761	Temperature gauge	Temperature gauge
48	0501 8765	Temper.transmitter	Temper.transmitter
48	0501 8766	Switching device	Switching device
48	0501 8771	Tacho switch	Tacho switch
48	0501 8772	Tacho switch	Tacho switch
48	0501 8782	Temper.transmitter	Temper.transmitter
48	0501 8783	Switching device	Switching device
48	0501 8789	Accessories	Accessories
48	0501 8822	Mating part	Mating part
48	0501 8829	Heater plug resist	Heater plug resist
48	0501 8931	Switching device	Switching device
48	0501 8939	Temper.transmitter	Temper.transmitter
48	0501 8941	Electrical parts	Electrical parts
48	0501 8945	Electrical parts	Electrical parts
48	0501 8950	Pushbutton	Pushbutton
48	0501 8994	Switching device	Switching device
48	0501 9300	Cable gland	Cable gland
48	0501 9305	Monitoring	Monitoring
48	0501 9378	Hose assembly	Hose assembly
48	0502 6309	Switching device	Switching device
48	0502 6330	Pressure switch	Pressure switch
48	0502 6333	Pressure switch	Pressure switch
48	0503 1677	Incandescent lamp	Incandescent lamp
48	0503 1887	Flow switch	Flow switch

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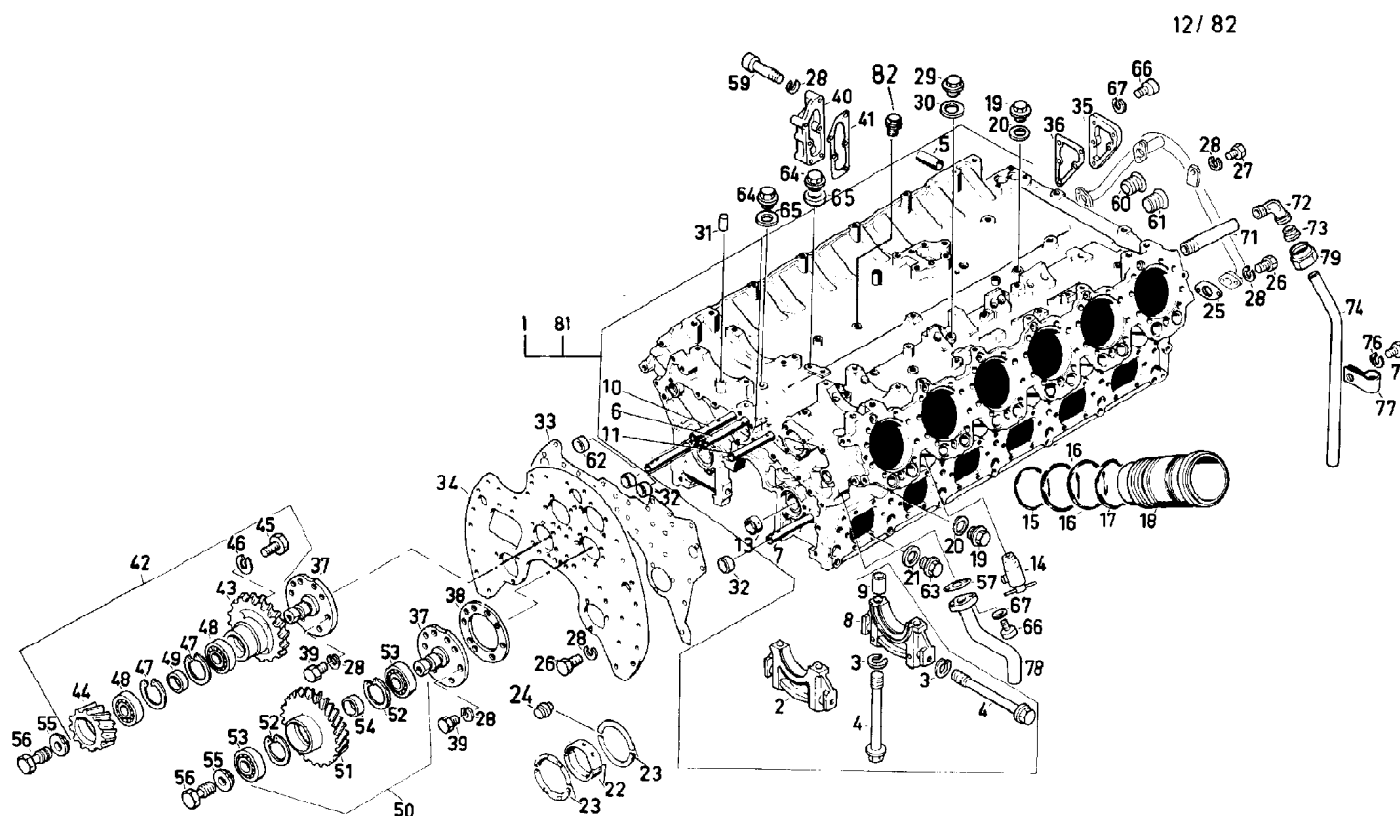
CG	ETL-No.	Designation (en)	Designation (en)
48	0503 1890	Relay	Relay
48	0503 1894	Incandescent lamp	Incandescent lamp
49		Tools	
49	0501 8676	Fitting ring	Fitting ring
49	0501 8677	Toolkit	Toolkit
49	0501 8678	Tool	Tool
49	0501 9345	Hose assembly	Hose assembly
49	0503 1619	Toolkit	Toolkit
51		Measuring instruments	
51	0501 8456	Tacho drive	Tacho drive
51	0501 8477	Thermometer	Thermometer
51	0501 8478	Thermometer	Thermometer
51	0501 8491	Accessories	Accessories
51	0501 8779	Pressure gauge	Pressure gauge
51	0501 8799	Tacho indicator	Tacho indicator
51	0501 8833	Tacho generat.assy	Tacho generat.assy
51	0501 8964	Instrumentation	Instrumentation
51	0501 8972	Instrumentation	Instrumentation
51	0501 9380	Tachometer	Tachometer
51	0503 1860	Temper.transmitter	Temper.transmitter
51	0503 1888	Pressure gauge	Pressure gauge
51	0503 1889	Pressure gauge	Pressure gauge
51	0503 1903	Accessories	Accessories
52		Clutch	
52	0501 8708	Driving parts	Driving parts
52	0501 8984	Rubber bead coupl.	Rubber bead coupl.
52	0503 8900	Clutch assembly	Clutch assembly
56		Engine shutdown	
56	0502 9149	Solenoid	Solenoid
56	0503 8859	Stopping equipment	Stopping equipment
56	0506 0158	Solenoid valv	Solenoid valv
57		V-belt guard	
57	0501 9361	Cover	Cover
58		Intercooler	
58	0501 8411	Cooler assembly	Cooler assembly
58	0501 8615	Charge air cooler	Charge air cooler
58	0501 8616	Charge air cooler	Charge air cooler
63		Starting aid	
63	0501 8472	Preheater	Preheater

ETL no.: 0501 8641 Crankcase

Constr. Group: 01

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0501 8641

Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04001162		90		1	ST		Crankcase	Crankcase	BIS MOT.-NR.6445687 AB MOT.-NR.6445688 POS. 81
2	02153496				6	ST		Bearing cap	Bearing cap	
3	01216105				28	ST		Plain washer	Plain washer	
4	01215915				28	ST		Hexagon bolt	Hexagon bolt	
5	02159339				1	ST		Oil pipe	Oil pipe	
6	04000215				1	ST		Oil pipe	Oil pipe	
7	03374606				2	ST		Oil pipe	Oil pipe	
8	02153494				1	ST		Bearing cap	Bearing cap	
9	03373086				14	ST		Dowel bush	Dowel bush	
10	02158628				1	ST		Oil pipe	Oil pipe	
11	02158627				1	ST		Oil pipe	Oil pipe	
13	04001175		20		13	ST		Bearing bush	Bearing bush	
14	01120690				2	ST		Drain valve	Drain valve	
15	01162684				12	ST		O-seal	O-seal	
16	01212716				24	ST		O-seal	O-seal	
17	01178454				12	ST		O-seal	O-seal	
18	04001561				12	ST		Cylinder liner	Cylinder liner	NORMAL H.12,1MM(0,47637 9IN) REP.STUFE POS.959
19	01118997		20	20	14	ST		Screw plug	Screw plug	
20	01118659				14	ST		Sealing ring	Sealing ring	

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21	01118700				2	ST		Sealing ring	Sealing ring	
22	04003003				7	SA		Main bearing	Main bearing	NORMAL 124,00MM RD (4,8 818IN) REP.STUFEN (POS.950-955)
23	04003011				2	KG		Stop ring	Stop ring	NORMAL 2,985MM (0,1175I N) REP.STUFEN (POS.956-958)
24	03362280				2	ST		Locating pin	Locating pin	
25	01120794				3	ST		Gasket	Gasket	
26	01112322	20	20		18	ST		Hexagon bolt	Hexagon bolt	
27	01112307				1	ST		Hexagon bolt	Hexagon bolt	
28	01102799				38	ST		Lock washer	Lock washer	
29	01118971				1	ST		Screw plug	Screw plug	
30	01118713				1	ST		Sealing ring	Sealing ring	
31	01105177				1	ST		Parallel pin	Parallel pin	
32	01165831				3	ST		Core hole plug	Core hole plug	
33	02159474	50	50		1	ST		Gasket	Gasket	
34	02159515	90	90		1	ST		Plate	Plate	
35	02159324				1	ST		Cover	Cover	
36	02159325				1	ST		Gasket	Gasket	
37	02158725	50	50		2	ST		Journal	Journal	
38	02159437				1	ST		Gasket	Gasket	
39	01112333	20	20		13	ST		Hexagon bolt	Hexagon bolt	
40	02159366				1	ST		Cover	Cover	
41	02159348				1	ST		Gasket	Gasket	
42	04000433				1	ST		Idler gears	Idler gears	
43	02151840				1	ST		Idler gear	Idler gear	
44	02151845				1	ST		Idler gear	Idler gear	
45	01112311	20	20		4	ST		Hexagon bolt	Hexagon bolt	
46	01102799				4	ST		Lock washer	Lock washer	
47	01107844				2	ST		Circlip	Circlip	
48	01109051				2	ST		Ball bearing	Ball bearing	BIS MOT.-NR.6646772 AB MOT.-NR.6646773 POS. 960
49	04000434				1	ST		Bush	Bush	
50	04000435	50	50		1	ST		Idler gear	Idler gear	
51	02151844	90	90		1	ST		Idler gear	Idler gear	
52	01107844				2	ST		Circlip	Circlip	
53	01109051				2	ST		Ball bearing	Ball bearing	BIS MOT.-NR.6646772 AB MOT.-NR.6646773 POS. 961
54	04000434				1	ST		Bush	Bush	
55	04000436	50	50		2	ST		Collar washer	Collar washer	
56	01166837				2	ST		Hexagon bolt	Hexagon bolt	
57	03308822				1	ST		Gasket	Gasket	
59	01127046	20	20		6	ST		Hexagon bolt	Hexagon bolt	
60	01165789				2	ST		Slotted plug	Slotted plug	
61	01165794				1	ST		Slotted plug	Slotted plug	
62	01165828				2	ST		Core hole plug	Core hole plug	
63	01118964	20	20		2	ST		Screw plug	Screw plug	
64	01118955				4	ST		Screw plug	Screw plug	
65	01118673				4	ST		Sealing ring	Sealing ring	
66	01126918	20	20		7	ST		Cheese head screw	Cheese head screw	
67	01119611				7	ST		Lock washer	Lock washer	
71	04004022				1	ST		Tube	Tube	

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72	01116732		20	20	1	ST		Socket/adapter	Socket/adapter	
73	01116623		10	10	1	ST		Cutting ring	Cutting ring	
74	04004021				1	ST		Tube	Tube	
75	01126186		20	20	1	ST		Hexagon bolt	Hexagon bolt	
76	01102800				1	ST		Lock washer	Lock washer	
77	03369462				1	ST		Pipe clamp	Pipe clamp	
78	04007426				1	ST		Oil drain pipe	Oil drain pipe	
79	01116650		20	20	1	ST		Union nut	Union nut	
81	04009715		10		1	ST		Crankcase	Crankcase	
82	01104736				1	ST		Screw plug	Screw plug	
950	04003004				7	SA		Main bearing	Main bearing	1,REPARATURSTUFE 123,75MMRD (4.8720IN.)
951	04003005				7	SA		Main bearing	Main bearing	2,REPARATURSTUFE 123,50MMRD (4.8621IN.)
952	04003006				7	SA		Main bearing	Main bearing	3,REPARATURSTUFE 123,25MMRD (4.8523IN.)
953	04003007				7	SA		Main bearing	Main bearing	4,REPARATURSTUFE 123,00MMRD (4.8425IN.)
954	04003008				7	SA		Main bearing	Main bearing	5,REPARATURSTUFE 122,75MMRD (4.8326IN.)
955	04003009				7	SA		Main bearing	Main bearing	6,REPARATURSTUFE 122,50MMRD (4.8228IN.)
956	04003012				2	SA		Stop ring	Stop ring	1,REPARATURSTUFE 3,135MM (0.1234IN.)
957	04003013				2	SA		Stop ring	Stop ring	2,REPERATURSTUFE 3,285MM (0.1293IN.)
958	04003014				2	SA		Stop ring	Stop ring	3,REPARATURSTUFE 3.435MM (0.1352IN.)
959	04009718				1	ST		Cylinder liner	Cylinder liner	REPARATURSTUFE H.13,1MM(0,515749IN)
960	01174298				2	ST		Ball bearing	Ball bearing	
961	01174298				2	ST		Ball bearing	Ball bearing	