

**Equipment information**

**Equipment:** 00005861859  
**Type:** BA 6M 816  
**Output:** 0000000,0 kW  
**Speed:** 0000 1/min  
**Build date:** 01.07.1977  
**KLU-Number:**  
**ETL scope:** EU014519  
**MVS:** 715

**VKU date:** 01.07.1977

**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

<b>Equipment:</b>	00005861859	<b>Engine type:</b>	BA 6M 816
<b>Output:</b>	0000000,0 kW	<b>Speed:</b>	0000 1/min
<b>ETL scope:</b>	EU014519		

CG	ETL-No.	Designation (en)	Designation (en)
<b>1</b>		<b>Crankcase</b>	
1	0501 8858	Cover	Cover
1	0501 8859	Front cover	Front cover
1	0501 8860	Rear end cover	Rear end cover
1	0501 8918	Crankcase	Crankcase
1	0501 9317	Oil filler neck	Oil filler neck
1	0503 1546	Cover	Cover
<b>2</b>		<b>Oil pan</b>	
2	0501 8421	Oil pan	Oil pan
2	0501 8876	Additional tank	Additional tank
2	0503 1369	Dipstick	Dipstick
<b>6</b>		<b>Connecting rod</b>	
6	0501 8856	Connecting rod	Connecting rod
<b>7</b>		<b>Piston</b>	
7	0501 8940	Piston	Piston
<b>8</b>		<b>Cylinder head</b>	
8	0501 8423	Cylinder head	Cylinder head
8	0501 8884	Fastenings	Fastenings
<b>10</b>		<b>Camshaft</b>	
10	0501 9329	Camshaft	Camshaft
<b>11</b>		<b>Timing gears</b>	
11	0501 8415	Valve drive	Valve drive
<b>14</b>		<b>Lube oil pump</b>	
14	0501 8613	Lubricat. oil pump	Lubricat. oil pump
14	0503 1333	Valve seat lubric.	Valve seat lubric.
<b>15</b>		<b>Lube oil/-cooler</b>	
15	0501 8539	Oil cooler	Oil cooler
15	0501 8854	Centrifug.mounting	Centrifug.mounting
15	0501 8887	Lubric. oil filter	Lubric. oil filter
<b>16</b>		<b>Oil pipes</b>	
16	0501 8526	Lubricat. oil line	Lubricat. oil line
16	0501 8532	Lubricat. oil line	Lubricat. oil line
16	0501 8581	Oil suction line	Oil suction line
16	0501 8851	Pump assy	Pump assy
16	0501 8891	Housing	Housing
<b>17</b>		<b>Injection pump</b>	
17	0501 8446	Fuel inject. pump	Fuel inject. pump
17	0501 8498	Clutch/coupling	Clutch/coupling
<b>19</b>		<b>Injector</b>	
19	0501 9356	Fuel injector	Fuel injector
<b>20</b>		<b>Fuel filter</b>	
20	0501 8912	Fuel duplex filter	Fuel duplex filter
<b>21</b>		<b>Fuel pipes/fuel tank</b>	
21	0501 8492	Hose assembly	Hose assembly
21	0501 8592	Hose assembly	Hose assembly
21	0501 8626	High pressure pipe	High pressure pipe
21	0501 8919	Leak off line	Leak off line
<b>29</b>		<b>Control linkage</b>	

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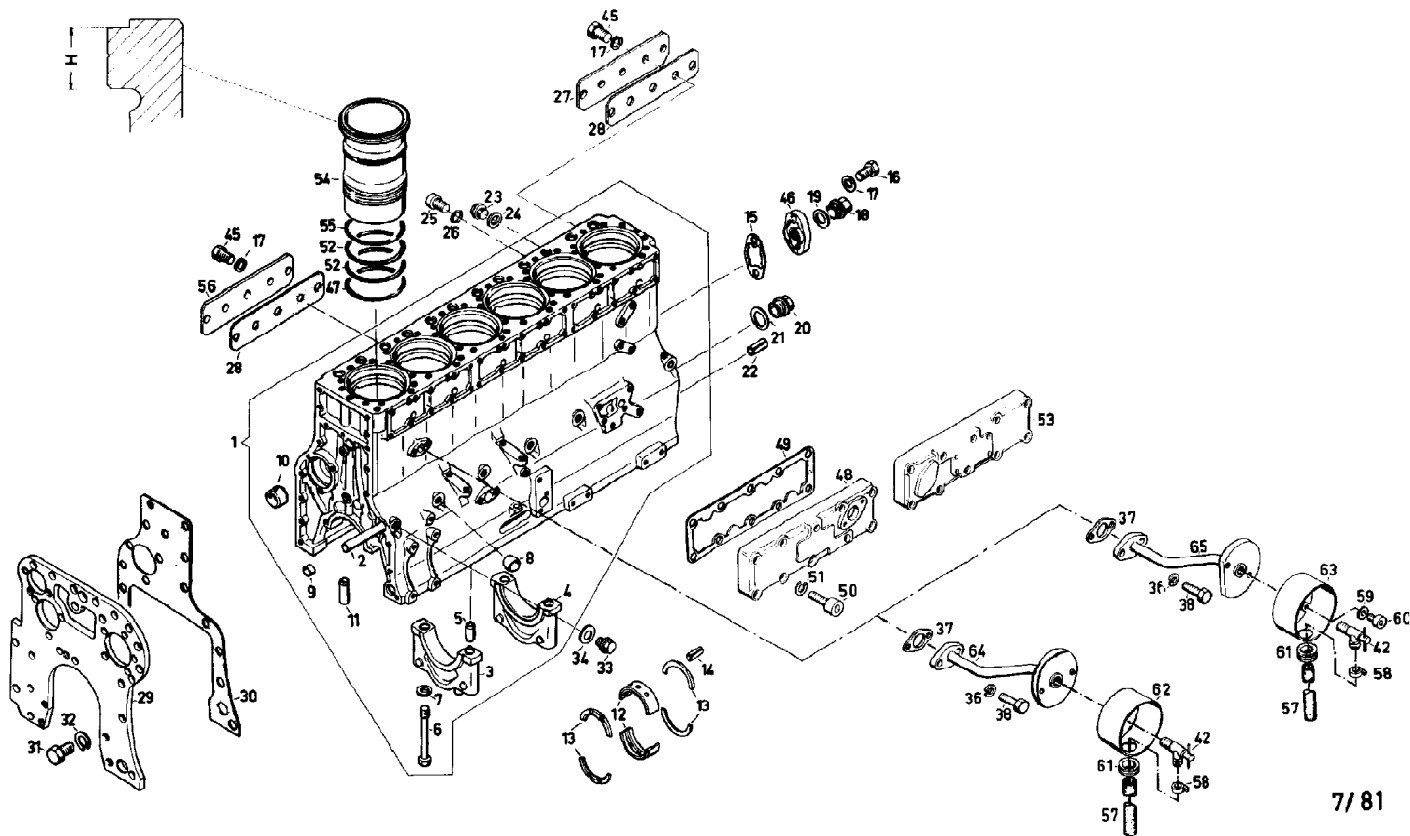
CG	ETL-No.	Designation (en)	Designation (en)
29	0501 8849	Speed adjustment	Speed adjustment
<b>30</b>		<b>Airstarting control</b>	
30	0501 8832	Piston slide valve	Piston slide valve
<b>34</b>		<b>Vibration damper</b>	
34	0501 8764	Auxiliary drive	Auxiliary drive
<b>36</b>		<b>Water cooler</b>	
36	0501 8536	Water cooler	Water cooler
36	0501 8537	Expansion tank	Expansion tank
36	0501 8560	Blanking parts	Blanking parts
<b>37</b>		<b>Cooling water pump</b>	
37	0501 8579	Drive	Drive
37	0501 8863	V-grooved pulley	V-grooved pulley
37	0501 8867	Fastenings	Fastenings
37	0501 9408	Cooling water pump	Cooling water pump
37	0503 1323	Drain line	Drain line
37	0503 1344	Belt tensioner	Belt tensioner
<b>38</b>		<b>Water pipes</b>	
38	0501 8704	Cooling water line	Cooling water line
38	0501 8706	Cooling water line	Cooling water line
38	0501 8776	Gate valve	Gate valve
38	0501 8921	Water thermostat	Water thermostat
<b>41</b>		<b>Exhaust manifold</b>	
41	0501 8554	Exhaust pipe	Exhaust pipe
41	0501 8716	Exhaust pipe	Exhaust pipe
41	0501 8754	Exhaust pipe	Exhaust pipe
<b>44</b>		<b>Alternator/starter motor</b>	
44	0501 8843	Starter	Starter
<b>46</b>		<b>Engine mounting, rigid</b>	
46	0501 9388	Eyelet bolt	Eyelet bolt
<b>48</b>		<b>Electrical accessories</b>	
48	0501 9311	Protecting cap	Protecting cap
<b>49</b>		<b>Tools</b>	
49	0501 8676	Fitting ring	Fitting ring
49	0501 8677	Toolkit	Toolkit
49	0501 8678	Tool	Tool
49	0501 8702	Turn-over gear	Turn-over gear
<b>51</b>		<b>Measuring instruments</b>	
51	0501 8477	Thermometer	Thermometer
51	0501 8480	Thermometer	Thermometer
51	0501 8491	Accessories	Accessories
51	0501 8773	Pressure gauge	Pressure gauge
51	0501 8779	Pressure gauge	Pressure gauge
51	0501 8799	Tacho indicator	Tacho indicator
51	0501 8924	Tacho generat.assy	Tacho generat.assy
51	0501 9379	Pressure gauge	Pressure gauge
<b>58</b>		<b>Intercooler</b>	
58	0501 9404	Cooler assembly	Cooler assembly

ETL no.: 0501 8918 Crankcase

Constr. Group: 01

Equipment: 00005861859  
Output: 0000000,0 kW  
ETL scope: EU014519

Engine type: BA 6M 816  
Speed: 0000 1/min



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0501 8918

Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04009713	10	1	ST			Crankcase	Crankcase	BEI ERSTMALIGEM ERSATZ BIS MOTOR-NR.5 861 926 MUSS BEI ANGEBAUTER KOLBENKUEHLU NG NEUE KOLBENKUEHLUNG TEI LE-NR. 400 6298 MITGELIEFERT W ERDEN.  BEI ERSTMALIGEM ERSATZ MUSS AUSSERDEM BIS MOTOR-NR. 6 445 908 12X VENTILSTO ESSEL TEILE-NR.400 7541 MIT- GELIEFERT WERDEN. ==> NOTES: ENGLISH IN THE CASE OF FIRST REPLACEMENT ON ENGINES UP TO

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Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
										S/N 5 861 926, WITH MOUNTED PISTON COOLING, A NEW PISTON COOLING P/N 400 6298 NEEDS TO BE SUPPLIED.
										. IN THE CASE OF FIRST REPLACEMENT UP TO ENGINE S/N 6 445 908, ==> 12 X VALVE TAPPET P/N 400 7541 NEED TO BE SUPPLIED.
										. REMARK: FRANCOISISCH DANS LE CAS DU PREMIER REMPLACEMENT SUR MOTEUR S JUSQU'AU NO.5 861 926 AVEC SYSTEME DE REFROIDISSEMENT DU PISTON MONTÉ, UN NOUVEAU SYSTEME DE REFROIDISSEMENT DU PISTON, TN 400 6298, ==> DOIT ETRE FOURNI EGALEMENT.
										. DANS LE CAS DU PREMIER REMPLACEMENT SUR MOTEUR S JUSQU'AU NO.6 445 908, 12 POUSSOIRS DE SOUPAPE, TN 400 7541, DOIVENT ETRE FOURNIS EGALEMENT.
										. NOTAS: SPANISCH EN CASO DE PRIMERA = => SUSTITUCION EN MOTORES HASTA EL NO. 5 861 926 CON SISTEMA DE REFRIGERACION DE PISTON MONTADO, HAY QUE SUMINISTRAR TAMBIEN UN NUEVO SISTEMA DE REFRIGERACION DE

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Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
										PISTON, NO.DE PIEZA 400 6298.
										.
										EN CASO DE PRIMERA SUSTITUCION HAY QUE SUMINISTRAR ADEMAS, HAS TA ==>
										EL MOTOR NO. 6 445 908, 12
										EMPUJADORES DE VALVULA, NO. 400 7541.
2	02156641				1	ST		Oil pipe	Oil pipe	
3	03373126				6	ST		Bearing cap	Bearing cap	
4	03373128				1	ST		Bearing cap	Bearing cap	
5	03373086				14	ST		Dowel bush	Dowel bush	
6	01166940				14	ST		Hexagon bolt	Hexagon bolt	
7	01216105				14	ST		Plain washer	Plain washer	
8	03371220				6	ST		Proportioning plug	Proportioning plug	
9	01165831				1	ST		Core hole plug	Core hole plug	
10	04016171				6	ST		Bearing bush	Bearing bush	
11	04005025				12	ST		Bush	Bush	
12	04001142				7	ST		Main bearing	Main bearing	NORMAL 119,00MMRD.(4.685 0IN.)
										REP.STUFEN(POS.950-955)
13	04002998				2	ST		Stop ring	Stop ring	NORMAL 2,985MM(0.1175IN .)
										REP.STUFEN (POS.956-958 )
14	03362280				2	ST		Locating pin	Locating pin	
15	04006119				1	ST		Gasket	Gasket	
16	01112326	20	20		2	ST		Hexagon bolt	Hexagon bolt	
17	01102799				17	ST		Lock washer	Lock washer	
18	01118980	20	20		1	ST		Screw plug	Screw plug	
19	01118737				1	ST		Sealing ring	Sealing ring	
20	01118989				1	ST		Screw plug	Screw plug	
21	01118784				1	ST		Sealing ring	Sealing ring	
22	01115464				2	ST		Straight pin	Straight pin	
23	01215083				1	ST		Screw plug	Screw plug	
24	01118688				1	ST		Sealing ring	Sealing ring	
25	01102193				1	ST		Cheese head screw	Cheese head screw	
26	01118647				1	ST		Sealing ring	Sealing ring	
27	02156517				2	ST		Cover	Cover	
28	02156518				3	ST		Gasket	Gasket	
29	02154085				1	ST		Plate	Plate	
30	03373075				1	ST		Gasket	Gasket	
31	01112412	20	20		5	ST		Hexagon bolt	Hexagon bolt	
32	01102800				5	ST		Lock washer	Lock washer	
33	01118965				5	ST		Screw plug	Screw plug	
34	01118707				5	ST		Sealing ring	Sealing ring	
36	01102799				1	ST		Lock washer	Lock washer	
37	03308287				1	ST		Gasket	Gasket	
38	01112322	20	20		2	ST		Hexagon bolt	Hexagon bolt	
42	01120689	20	20		1	ST		Drain valve	Drain valve	
45	01112307				15	ST		Hexagon bolt	Hexagon bolt	
46	04002352				1	ST		Cover	Cover	
47	01162684				6	ST		O-seal	O-seal	
48	04007545				1	ST		Cover	Cover	

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49	02157801				3	ST		Gasket	Gasket	
50	01110561	20	20		30	ST		Cheese head screw	Cheese head screw	
51	01119611				30	ST		Lock washer	Lock washer	
52	01212716				16	ST		O-seal	O-seal	
53	04006233				2	ST		Cover	Cover	
54	04001561				6	ST		Cylinder liner	Cylinder liner	NORMAL H 12,1MM(0,47637 9IN) REP.STUFE POS.959
55	01178454				8	ST		O-seal	O-seal	
56	04006522				1	ST		Cover	Cover	
57	01170849				1	ST		Hose	Hose	
58	01166356				1	ST		Hose clip	Hose clip	
59	01124654				2	ST		Plain washer	Plain washer	
60	01126915				2	ST		Cheese head screw	Cheese head screw	
61	01167428				1	ST		Rubber grommet	Rubber grommet	
62	04005444				1	ST		Sheet/plate	Sheet/plate	BIS MOT.-NR AB MOT.-NR 5861819 POS. 63
63	04006861				1	ST		Sheet/plate	Sheet/plate	
64	04004896				1	ST		Disch./drain pipe	Disch./drain pipe	BIS MOT.-NR AB MOT.-NR 5861819 POS. 65
65	04006319				1	ST		Disch./drain pipe	Disch./drain pipe	
950	04002982				7	SA		Main bearing	Main bearing	1.REPARATURSTUFE 118,75MMRD.(4.6752IN.)
951	04002983				7	SA		Main bearing	Main bearing	2.REPARATURSTUFE 118,50MMRD.(4.6653IN.)
952	04002984				7	SA		Main bearing	Main bearing	3.REPARATURSTUFE 118,25MMRD.(4.6555IN.)
953	04002986				7	SA		Main bearing	Main bearing	4.REPARATURSTUFE 118,00MMRD.(4.6457IN.)
954	04002987				7	SA		Main bearing	Main bearing	5.REPARATURSTUFE 117,75MMRD.(4.6358IN.)
955	04002988				7	SA		Main bearing	Main bearing	6.REPARATURSTUFE 117,50MMRD.(4.6259IN.)
956	04002999		50		2	SA		Stop ring	Stop ring	1.REPARATURSTUFE 3,135MM(0.1234IN.)
957	04003000				2	SA		Stop ring	Stop ring	2.REPARATURSTUFE 3,285MM(0.1293IN.)
958	04003001				2	ST		Stop ring	Stop ring	3.REPARATURSTUFE 3,435MM(0.1352IN.)
959	04009718				1	ST		Cylinder liner	Cylinder liner	REPARATURSTUFE H 13,1 MM(0,515749IN)