

Spare Parts Catalogue

Document ID

Date of issue

Installation

Engine type **BA8M528**

Engine number **D5872401**

Project -

Introduction

The Spare Parts Catalogue provides the necessary information for ordering parts.

Arrangement of Catalogue

The Spare Parts Catalogue is composed of:

- Drawings (Bild-Tafel) with item numbers (Fig. No)
- Parts lists showing the item number (Fig. No), part number, denomination and quantity per (sub-) assembly of each part.

Ordering Parts

When ordering parts please include the following information:

Installation Data:

- Engine Number (see name plate of the engine)
- Engine Type
- Name of ship or Installation

Parts Data:

- Part Number and Description
- Number of Illustration (Bild-Tafel)
- Serial (unique) Number of the Part (if available)
- Quantity of required parts

Shipment Data:

- Invoicing Address
- Forwarding Address
- Type of Shipment

The supply of spares is subject to our General Terms and Conditions for the sales of Spare Parts.

Ordering Address

The parts required should be ordered direct from Wärtsilä Netherlands B.V. or from one of the service stations, workshops and ship repair centres that form our service network in 60 countries worldwide.

Wärtsilä Netherlands B.V.
P.O. Box 10608, 8000 GB Zwolle
Office: Hanzelaan 95, 8017 JE Zwolle
The Netherlands
Tel. +31 38 425 32 53 (24 hrs)
Fax +31 38 422 35 64
service.sales.nl@wartsila.com

Equipment information

Equipment:	00005872401
Type:	S/BA 8M 528R
Output:	0000923,0 kW
Speed:	1000 1/min
Build date:	01.05.1978
KLU-Number:	
ETL scope:	EU012814
MVS:	212
Customer:	SUEZ CANAL AUTHORITY
Location:	PORT FOUAD
Country:	Egypt
VKU date:	01.05.1978
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:	

Equipment: D5872401 **Engine type** BA8M528

CG	ETL-No.	Designation (en)
1		Crankcase
1	05013508	Crankcase cover
1	05013509	Relief valve
1	05017730	Relief valve
1	05022026	Crankcase
1	05022034	Crankcase parts
1	05029530	Relief valve
2		Oil pan
2	05013523	Oil sump
4		Cylinder
4	05022035	Cylinder liner
5		Crankshaft
5	05013534	Flywheel
5	05015465	Crankshaft
5	05017757	Balance weight
6		Connecting rod
6	05017774	Connecting rod
7		Piston
7	05021635	Piston
8		Cylinder head
8	05013550	Protection hood
8	05024464	Valve drive
8	05024484	Cylinder head
8	05030667	Sealing ring
8	05030680	Valve drive
9		Timing chest
9	05013560	Timing chest parts
9	05013562	Timing chest parts
9	05017247	Timing chest parts
9	05023105	Oil collector
9	05026102	Auxiliaries/acc.
9	05032040	Gear train
9	05032041	Idler gear
9	05034539	Tdc-pointer
10		Camshaft
10	05017251	Timing chest parts
10	05017475	Camshaft
10	05017647	Timing chest parts

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CG	ETL-No.	Designation (en)
11		Timing gears
11	05023847	Valve tappet
11	05030530	Actuat. mechanism
11	05030531	Rocker arm bracket
11	05030532	Rocker arm
11	05030533	Rocker arm
14		Lube oil pump
14	05013590	Lubricat. oil pump
14	05014355	Lubricat. oil pump
14	05017762	Pump assy
14	05017763	Fastenings
14	05017765	Accessories
14	05017766	Pump box
14	05024750	Lubricat. oil pump
15		Lube oil/-cooler
15	05013601	Duplex filter
15	05013603	Edge filter assy
15	05013616	Accessories
15	05030624	Paper filter
15	05030625	Lubric. oil filter
15	05034723	Lubric. oil filter
16		Oil pipes
16	05013620	Lubricat. oil line
16	05013630	Lubricat. oil line
16	05013633	Lubricat. oil line
16	05013636	Lubricat. oil line
16	05013638	Lubricat. oil line
16	05013641	Lubricat. oil line
16	05013653	Lubricat. oil line
16	05013654	Lubricat. oil line
16	05013666	Oil regulator
16	05020583	Piston pump
16	05020586	Lubricat. oil line
16	05024487	Piston cooling
16	05024496	Shuttle valve
16	05028500	Lubric. oil filter
16	05028559	Temper. controller
16	05030658	Non-return valve
16	05030659	Non-return valve
16	05030714	Lube device
16	05032777	Valve
16	05032785	Lubricat. oil line

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CG	ETL-No.	Designation (en)
17		Injection pump
17	05013725	Fuel inject. pump
17	05013726	Fuel pump
17	05013729	Connection
17	05013732	Drive
17	05013744	Blanking parts
17	05015546	Reverse lock
17	05015559	Implement carrier
17	05015568	Oil pump
17	05017293	Speedometer drive
17	05021674	Attachment
17	05021687	Fuel inject. pump
17	05021693	Fuel inject. pump
17	05021716	Cover
17	05021767	Blanking parts
17	05021769	Blanking parts
17	05021827	Blanking parts
17	05021829	Cover
17	05021833	Housing/case
17	05021834	Tappet
17	05021835	Lubricat. oil pump
17	05021837	Top part
17	05021839	Control rod
17	05024695	Oil block
17	05024858	Oil pump
17	05028836	Plug-in element
17	05029645	Oil level indicat.
17	05034723	Lubric. oil filter
17	05062774	Fuel inject. pump
17	05062775	Fuel inject. pump
18		Injection pump drive
18	05020601	Inject. pump drive
18	05030516	Flanged bearing
19		Injector
19	05020637	Fuel injector
20		Fuel filter
20	05020568	Assembly
20	05021685	Geared pump
20	05028467A	Fuel filter
20	05033789	Hand pump

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CG	ETL-No.	Designation (en)
21		Fuel pipes/fuel tank
21	05016058	Fuel tank
21	05017275	Fuel line
21	05017279	Fuel line
21	05024469	High pressure pipe
21	05030636	Leak off line
21	05032031	Reservoir
21	05033937	Leak off line
22		Suction pipe/air cleaner
22	05017485	Silencer
27		Speed control
27	05021616	Drive
27	05021617	Fastenings
29		Control linkage
29	05013864	Linkage
29	05021748	Fastenings
29	05023867	Fastenings
30		Airstarting control
30	05013866	Air distributor
30	05013867	Accessories
31		Starting valve
31	05013889	Starting air valve
31	05024623	Valve assy
31	05024624	Indicator valve
32		Starting system
32	05014362	Auxiliaries/acc.
32	05014363	Auxiliaries/acc.
32	05014369	Pneumatic line
32	05014371	Auxiliaries/acc.
32	05014382	Pilot line
32	05014388	Pilot line
32	05014402	Start master valve
32	05028747	Non-return valve
34		Vibration damper
34	05013900	Tors.vibrat.damper

Equipment: D5872401 **Engine type** BA8M528

CG	ETL-No.	Designation (en)
35		Contol console
35	05013915	Control unit
35	05013916	Accessories
35	05013917	Accessories
35	05013918	Start master valve
35	05013919	Fastenings
35	05032849	Solenoid
38		Water pipes
38	05014292	Cooling water line
38	05014302	Cooling water line
38	05014303	Auxiliaries/acc.
38	05015474	Cooling water line
38	05015572	Waterpipe parts
38	05017782	Auxiliaries/acc.
38	05017783	Auxiliaries/acc.
38	05021735	Cooling water line
38	05021739	Waterpipe parts
38	05034869	Auxiliaries/acc.
41		Exhaust manifold
41	05026289	Exhaust manifold
41	05032774	Exhaust pipe
41	05034538	Exhaust cover
41	05038293	Cover plate
43		Turbocharger
43	05013969	Fastenings
43	05024646	Cleaning device
43	05028624	Cleaning device
43	05095555	Turbocharger
46		Engine mounting, rigid
46	05033767	Puller screw

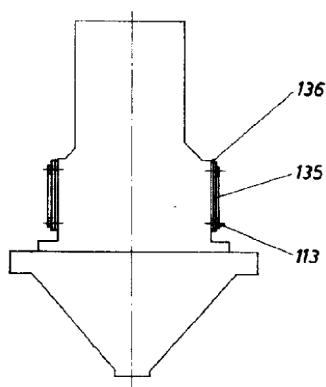
Equipment: D5872401 **Engine type** BA8M528

CG	ETL-No.	Designation (en)
48		Electrical accessories
48	05013982	Switch
48	05014051	Flow switch
48	05017234	Cable raceway
48	05017237	Cable raceway
48	05020506	Fastener
48	05026127	Pressure switch
48	05026128	Auxiliaries/acc.
48	05026341	Pressure switch
48	05026346	Pressure switch
48	05028625	Flow switch
48	05030648	Service gauge
48	05033560	Temper.transmitter
48	05033561	Switching device
48	05034575	Fastenings
48	05034577	Fastenings
48	05034627	Electr.installat.
48	05038004	Electr.installat.
48	05038008	Electr.installat.
48	05038054	Cable terminal box
49		Tools
49	05014054	Toolkit
49	05014058	Handling device
49	05014062	Piston ring pliers
49	05014063	Cleaning device
49	05023889	Device
49	05024395	Fuel line
49	05024587	Cyl. measuring pin
49	05024588	Mirror
49	05026526	Driver pin
49	05028451	Hose assembly
49	05028568	Pump
49	05028706	Key
49	05032775	Device
49	05032924	Grinding device

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CG	ETL-No.	Designation (en)
51		Measuring instruments
51	05014067	Panel
51	05014070	Standard parts
51	05014074	Thermometer
51	05014215	Accessories
51	05014973	Angle thermometer
51	05014983	Auxiliaries/acc.
51	05017402	Auxiliaries/acc.
51	05023875	Thermometer
51	05023876	Thermometer
51	05029582	Stopping equipment
51	05030641	Press.gauge line
51	05032854	Thermometer
51	05033775	Tacho unit
51	05033938	Gauge line
51	05038344	Stopping equipment
51	05062197	Elapsed-hour meter
52		Clutch
52	05014081	Connecting shaft
52	05033737	Rubber bead coupl.
52	05033935	Clutch assembly
56		Engine shutdown
56	05014088	Stopping equipment
58		Intercooler
58	05025773	Charge air cooler
59		Injection pump tools
59	05014804	Tool
69		Turning gear
69	05032037	Turning gear
86		Cylinder lubrication
86	05021713	Lube line
86	05032833	Non-return valve
87		Charge air pipe
87	05014147	Inlet manifold
98		Optional extras
98	05095555	Turbocharger

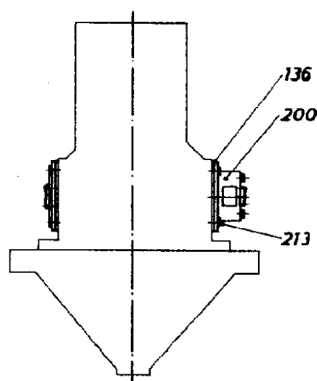
ETL no.: 05013508 Crankcase cover
Constr. Group: 1
Equipment: D5872401

Engine type: BA8M528


0501 3508

Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
113	01126186	4	ST	Hexagon bolt	
135	03470574	1	ST	Cover	
136	03309134	1	ST	Gasket	

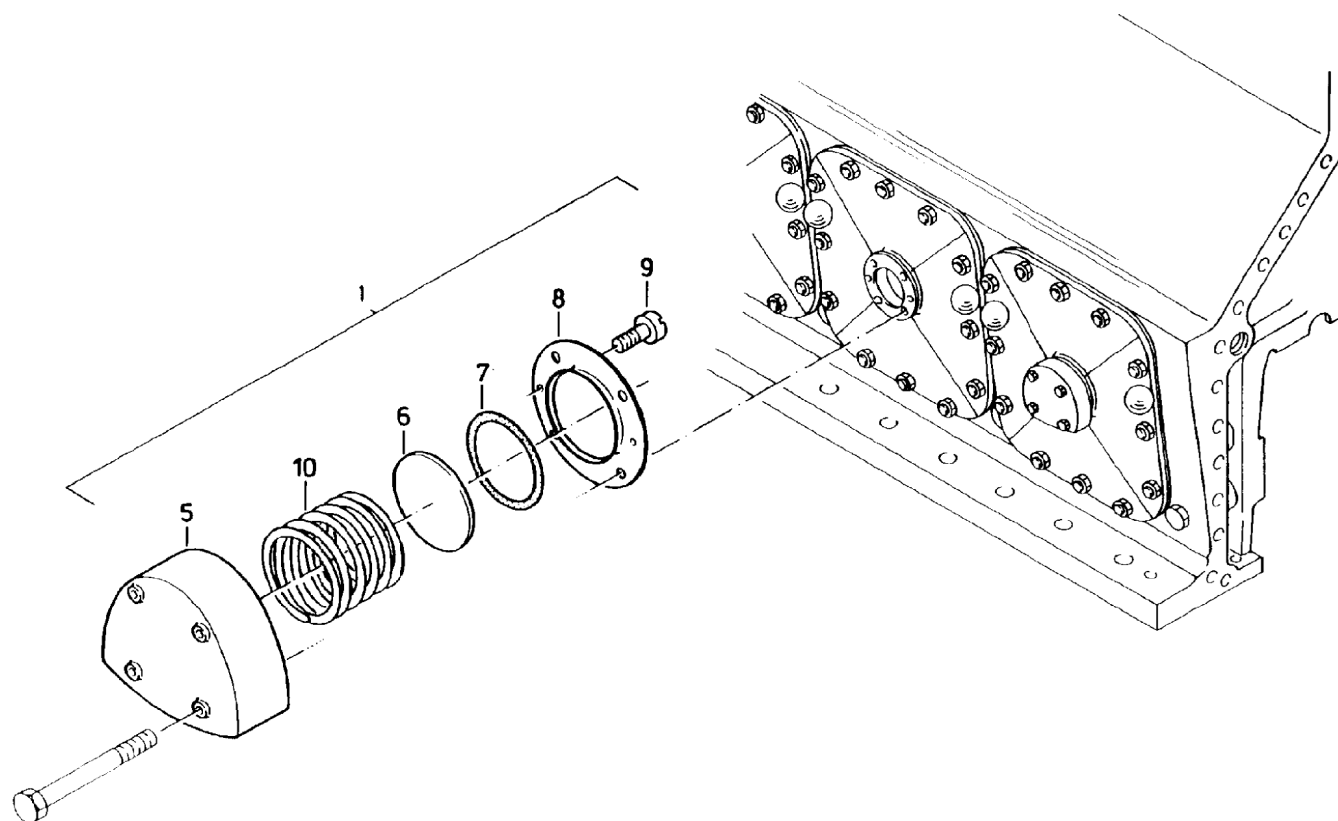
ETL no.: 05013509 Relief valve
Constr. Group: 1
Equipment: D5872401

Engine type: BA8M528


0501 3509

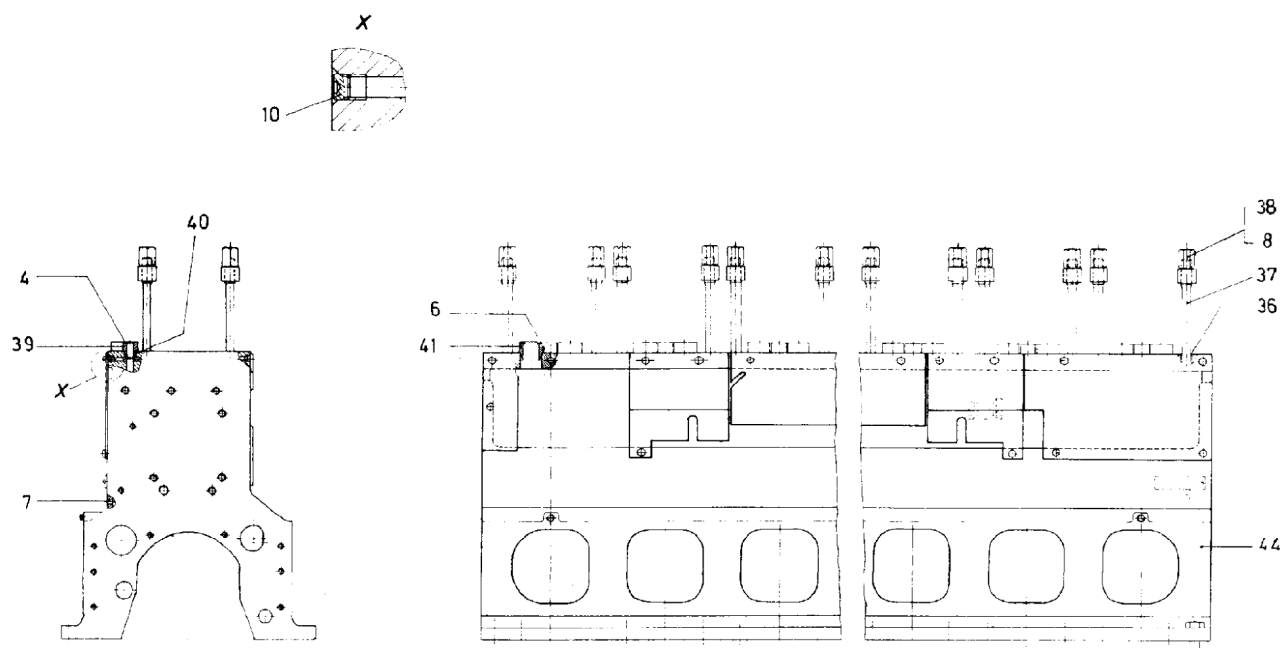
Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
136	03309134	1	ST	Gasket	
200	02066592	1	ST	Relief valve	EINZELTEILE 0187-01-502 9 530
213	01112418	4	ST	Hexagon bolt	

ETL no.: 05017730 Relief valve
Equipment: D5872401

Constr. Group: 1
Engine type: BA8M528


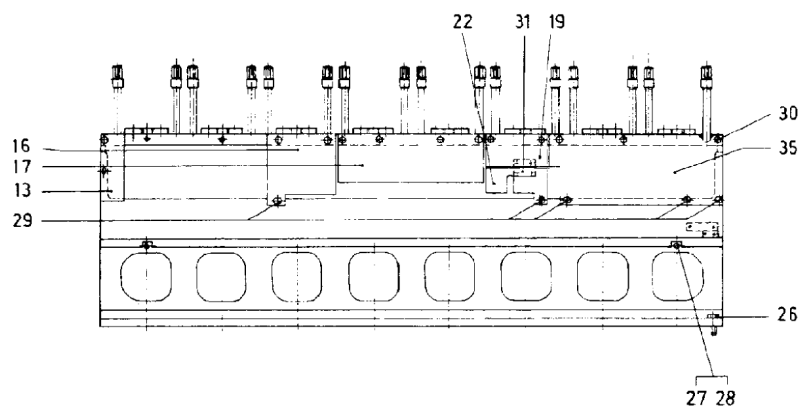
0501 7730

Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
1	03324682	1	ST	Relief valve	KOMPLETT OEFNUNGSDRUCK 0,1 BAR 950 002 (2-6)
5	03324681	1	ST	Housing/case	
6	03321400	1	ST	Plain washer	
7	01166140	1	ST	O-seal	
8	03324683	1	ST	Support/carrier	
9	01105522	2	ST	Cheese head screw	
10	01210345	1	ST	Helical spring	

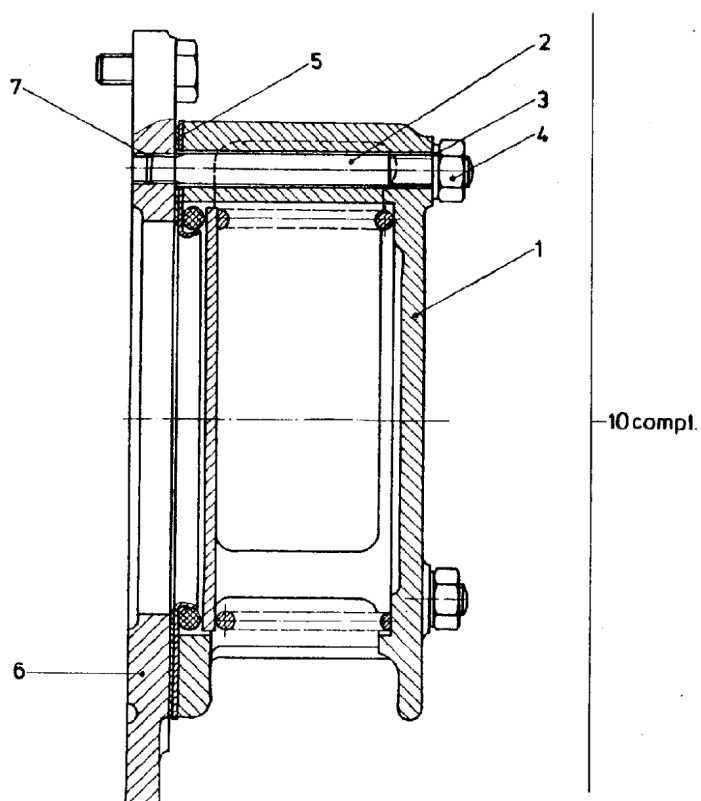
ETL no.: 05022026 Crankcase
Constr. Group: 1
Equipment: D5872401
Engine type: BA8M528

0502 2026

Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
4	01218704	8	ST	O-seal	
6	01166081	16	ST	O-seal	
7	01165819	16	ST	Plug	
8	01215992	32	ST	Hexagon nut	
10	02087391	8	ST	Screw plug	
36	01400735	1	ST	Packing compound	
37	02067534	32	ST	Waisted stud	
38	02067574	32	ST	Spacer	
39	02067575	8	ST	Adapter	
40	01162240	8	ST	O-seal	
41	02067585	16	ST	Adapter	
44	04065016	1	ST	Crankcase	

ETL no.: 05022034 Crankcase parts
Constr. Group: 1
Equipment: D5872401

Engine type: BA8M528

0502 2034

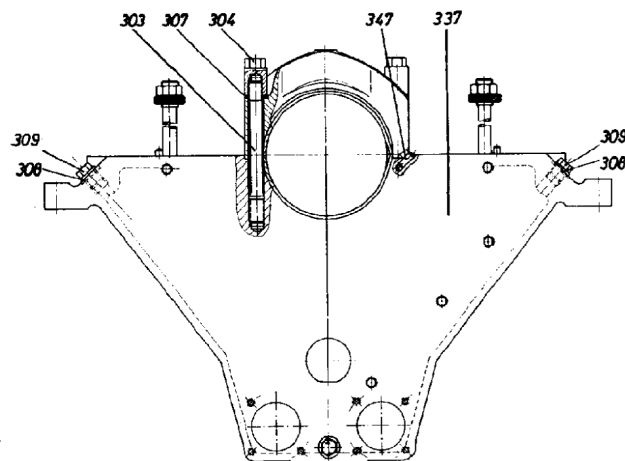
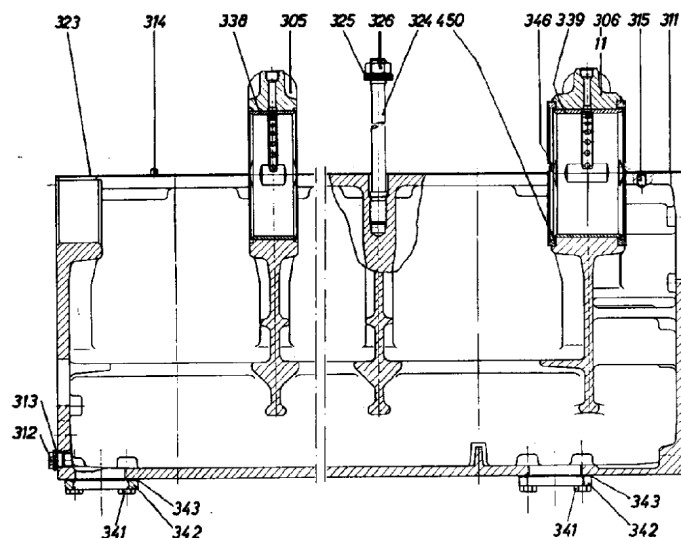
Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
13	02063756	1	ST	Cover plate	
16	02063759	1	ST	Cover plate	
17	02063760	1	ST	Cover plate	
19	02063762	1	ST	Cover plate	
22	03376562	1	ST	Cover plate	
26	01124474	36	ST	Hexagon bolt	
27	01118693	1	ST	Sealing ring	
28	01100940	1	ST	Screw plug	
29	01112502	5	ST	Hexagon bolt	
30	01126186	17	ST	Hexagon bolt	
31	03323982	1	ST	Connecting plate	
35	02063912	1	ST	Cover plate	

ETL no.: 05029530 Relief valve
Constr. Group: 1
Equipment: D5872401
Engine type: BA8M528


0502 9530

Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
1	03324682	1	ST	Relief valve	EINZELTEILE 0189-01-501 7 730
2	01113507	4	ST	Stud	
3	01118659	4	ST	Sealing ring	
4	01102659	4	ST	Hexagon nut	
5	01216387	1	ST	Round flang.gasket	
6	03321447	1	ST	Cover	
7	01098072	1	ST	Safety/lock.agent	
10	02066592	1	ST	Relief valve	KOMPLETT

ETL no.: 05013523 Oil sump
Equipment: D5872401

Constr. Group: 2
Engine type: BA8M528


0501 3523

Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
11	02067945	1	ST	Bearing cap	AB MOT.NR.5 153 302
303	03474954	18	ST	Waisted stud	
304	03470435	18	ST	Cap nut	
305	03476403	8	ST	Main bearing cap	
306	02054888	1	ST	Bearing cap	BIS MOT.NR. AB MOT.NR.POS.11
307	03470438	18	ST	Plain washer	
308	01118751	2	ST	Sealing ring	
309	01110441	2	ST	Screw plug	
311	03321225	2	ST	Gasket	
312	01118985	1	ST	Screw plug	
313	01118760	1	ST	Sealing ring	
314	01105209	2	ST	Parallel pin	
315	01108056	1	ST	Set screw	
323	03321232	2	ST	Gasket	
324	03321223	18	ST	Waisted stud	
325	01167058	18	ST	Plain washer	
326	01112948	18	ST	Hexagon nut	
337	02054916	1	ST	Oil sump	
338	02057165	8	ST	Bearing	NORMAL 190,00 MM RD REPARATURSTUFE POS.950-95 3
339	02057717	1	ST	Locating bearing	NORMAL 190,00 MM RD REPARATURSTUFE POS.954-95 7