

# Spare Parts Catalogue

Document ID

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Date of issue

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Installation

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Product type **SBV9M628**

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Product number **62809010046**

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Project

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**Equipment information**

**Equipment:** 62809010046  
**Type:** SBV 9M 628  
**Output:** 0001800,0 kW  
**Speed:** 0900 1/min  
**Build date:** 01.04.1996  
**KLU-Number:**  
**ETL scope:** EU008246  
**MVS:** 111

**VKU date:** 01.04.1996

**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:**

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# Introduction

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

## Arrangement of Catalogue

The Spare Parts Catalogue is composed of:

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

## Ordering Parts

When ordering parts please include the following information; in order to supply the correct material numbers for the installation.

### Installation Data:

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

### Parts Data:

- Number of Illustration (ETL. No)
- Spare part Number and Description
- 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](mailto:service.sales.nl@wartsila.com)



**Equipment:** SBV9M628      **Engine type** SBV9M628

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>
<b>1</b>		<b>Crankcase</b>
1	05025921	Cover
1	05025922	Cover
1	05025923	Relief valve
1	05028355	Crankcase
<b>2</b>		<b>Oil pan</b>
2	05025925	Fastenings
2	05025926	Oil gauge
2	05028358	Oil pan
<b>4</b>		<b>Cylinder</b>
4	05062408	Cylinder liner
<b>5</b>		<b>Crankshaft</b>
5	05028360	Crankshaft
5	05061824	Fastenings
5	05062077	Flywheel
<b>6</b>		<b>Connecting rod</b>
6	05060791	Connecting rod
6	05066258	Big end bearing
<b>7</b>		<b>Piston</b>
7	05065169	Piston
<b>8</b>		<b>Cylinder head</b>
8	05025934	Plug connection
8	05025935	Inlet valve
8	05025936	Exhaust valve
8	05026322	Sealing ring
8	05038309	Valve mechan.cover
8	05062253	Cylinder head
<b>9</b>		<b>Timing chest</b>
9	05025938	Gearcase
9	05026367	Gear train
9	05034820	Crankcase breather
<b>10</b>		<b>Camshaft</b>
10	05025940	Toothed gear
10	05025942	Camshaft locator
10	05062123	Camshaft
<b>11</b>		<b>Timing gears</b>
11	05061810	Valve drive

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<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>
<b>14</b>		<b>Lube oil pump</b>
14	05025944	Pump box
14	05025945	Toothed gear
14	05025946	Blanking parts
14	05025947	Gear drive
14	05025949	Blanking parts
14	05026368	Lubricat. oil pump
14	05026393	Idler gear
<b>15</b>		<b>Lube oil/-cooler</b>
15	05025951	Oil centrifuge
15	05025952	Lubric. oil cooler
15	05025953	Accessories
15	05025954	Accessories
15	05034723	Lubric. oil filter
15	05038208	Lubric. oil filter
15	05038233	Lubric. oil filter
<b>16</b>		<b>Oil pipes</b>
16	05025957	Piston cooling
16	05025958	Lubricat. oil line
16	05025960	Lubricat. oil line
16	05025963	Oil line
16	05026394	Lubricat. oil line
16	05026469	Lubricat. oil line
16	05026470	Lubricat. oil line
16	05026471	Breather
16	05026472	Breather
16	05026474	Lubricat. oil line
16	05026660	Lubricat. oil line
16	05028447	Lubricat. oil line
16	05028450	Non-return valve
16	05028500	Lubric. oil filter
16	05028501	Shuttle valve
16	05032902	Lubricat. oil line
16	05034835	Lubricat. oil line
16	05034853	Lubricat. oil line
16	05038312	Lube device

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<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>
<b>17</b>		<b>Injection pump</b>
17	05025969	Speedometer drive
17	05025971	Lubricat. oil pump
17	05029604	Speedometer drive
17	05032903	Solenoid
17	05032904	Spring-brake actua
17	05033674	Lubricat. oil pump
17	05034672	Reverse lock
17	05034673	Control rod
17	05038548	Blanking parts
17	05060582	Injec.pump housing
17	05062010	Fuel inject. pump
17	05062011	Fuel inject. pump
17	05062012	Fuel inject. pump
17	05062013	Fuel inject. pump
17	05062014	Fuel inject. pump
17	05062015	Fuel inject. pump
17	05062016	Fuel inject. pump
17	05062064	Inject.pump compo.
<b>18</b>		<b>Injection pump drive</b>
18	05028551	Inject. pump drive
<b>19</b>		<b>Injector</b>
19	05025974	Fastenings
19	05062110	Fuel injector
<b>20</b>		<b>Fuel filter</b>
20	05026397	Fuel filter assy
20	05028467A	Fuel filter
20	05038318	Hand pump
20	05038348	Fuel pump
20	05061603	Fuel duplex filter
<b>21</b>		<b>Fuel pipes/fuel tank</b>
21	05028703	Leak off line
21	05028704	Leak off line
21	05038231	Non-return valve
21	05038405	Fuel tank
21	05060730	High pressure pipe
<b>22</b>		<b>Suction pipe/air cleaner</b>
22	05026409	Silencer
22	05060308	Fastenings
<b>23</b>		<b>Lube oil tank</b>
23	05033729	Oil reservoir



**Equipment:** SBV9M628      **Engine type** SBV9M628

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>
<b>27</b>		<b>Speed control</b>
27	05025979	Governor drive
27	05025980	Fastenings
27	05026491	Limit stop
27	05028437	Booster/servo unit
27	05033989	Pipeline
<b>29</b>		<b>Control linkage</b>
29	05038500	Linkage
<b>30</b>		<b>Airstarting control</b>
30	05028639	Air distributor
<b>31</b>		<b>Starting valve</b>
31	05026390	Safety valve
31	05038276	Safety valve
31	05060220	Indicator valve
31	05060221	Socket wrench
31	05062100	Starting air valve
<b>32</b>		<b>Starting system</b>
32	05028571	Press.reducer assy
32	05028574	Press.reducer assy
32	05028747	Non-return valve
32	05033641	Safety system/dev.
32	05033930	Valve insert
32	05033931	Valve insert
32	05034557	Pilot line
32	05034564	Pilot line
32	05034712	Valve
32	05034713	Auxiliaries/acc.
32	05038191	Comp.air reservoir
32	05038438	Pilot line
32	05038481	Start master valve
32	05060214	Capacitor
32	05060230	Pilot line
32	05060679	Mud flap
32	05061559	Pneumatic line
32	05061591	Pilot line
<b>34</b>		<b>Vibration damper</b>
34	05025988	Tors.vibrat.damper
34	05026662	Fastenings

**Equipment:** SBV9M628      **Engine type** SBV9M628

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>
<b>35</b>		<b>Contol console</b>
35	05023794	Direct.contr.valve
35	05023795	Non-return valve
35	05023805	Distributor
35	05026291	Quick-exhaust valv
35	05026579	Direct.contr.valve
35	05026658	Control unit assy
35	05034568	Control unit
35	05034570	Auxiliaries/acc.
35	05034571	Auxiliaries/acc.
35	05034572	Control unit
35	05034590	Direct.contr.valve
35	05061807	Pushbutton
35	05061938	Speed contr.valve
<b>36</b>		<b>Water cooler</b>
36	05061338	Water cooler
<b>37</b>		<b>Cooling water pump</b>
37	05060296	Raw water pump
37	05062104	Cooling water pump
<b>38</b>		<b>Water pipes</b>
38	05026498	Pipeline
38	05028468	Double valve
38	05028679	Cool.water manif.
38	05034532	Ventilating valve
38	05038082	Auxiliaries/acc.
38	05038376	Cooling water line
38	05060256	Temper. controller
38	05060270	Temper. controller
38	05060651	Float switch
38	05060785	Cool. water filter
38	05061347	Expansion tank
38	05062290	Cover plate
38	05062448	Waterpipe parts
<b>41</b>		<b>Exhaust manifold</b>
41	05025994	Exhaust manifold
41	05026568	Exhaust pipe
41	05033645	Insulation
41	05061646	Exhaust manifold

**Equipment:** SBV9M628      **Engine type** SBV9M628

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>
<b>43</b>		<b>Turbocharger</b>
43	05025995	Fastenings
43	05028622	Cleaning attachm.
43	05028624	Cleaning device
43	05095555	Turbocharger
<b>46</b>		<b>Engine mounting, rigid</b>
46	05060673	Puller screw

**Equipment:** SBV9M628      **Engine type** SBV9M628

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>
<b>48</b>		<b>Electrical accessories</b>
48	05017733	Cable terminal box
48	05026324	Pre-chamber
48	05028368	Instrument panel
48	05028371	Pipeline
48	05028372	Pipeline
48	05028373	Pipeline
48	05028374	Pipeline
48	05028377	Pipeline
48	05028381	Cable terminal box
48	05028385	Pressure switch
48	05028386	Pressure switch
48	05028393	Thermometer assy
48	05028394	Thermometer assy
48	05028594	Float switch
48	05028625	Flow switch
48	05028689	Pressure switch
48	05028690	Pressure switch
48	05028691	Pressure switch
48	05028692	Pressure switch
48	05028693	Pressure switch
48	05028694	Pressure switch
48	05028695	Pressure switch
48	05028718	Fastenings
48	05028721	Cable terminal box
48	05028722	Cable terminal box
48	05028723	Cable terminal box
48	05028730	Switch mounting
48	05028732	Switch mounting
48	05028733	Switch mounting
48	05028738	Switch mounting
48	05028741	Switch mounting
48	05033560	Temper.transmitter
48	05033561	Switching device
48	05033998	Fastenings
48	05034508	Float switch
48	05034529	Electr.installat.
48	05034530	Pipe/line/lead
48	05034583	Cable raceway
48	05034876	Temper.transmitter
48	05034900	Cabling
48	05034903	Cabling
48	05034904	Cabling
48	05034906	Cabling
48	05034910	Cabling
48	05034914	Cabling
48	05034920	Cabling

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<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>
48	05034922	Cabling
48	05034928	Cabling
48	05034945	Cabling
48	05034950	Cabling
48	05034952	Cabling
48	05034963	Cabling
48	05034966	Cabling
48	05038013	Thermocouple
48	05038612	Pressure switch
48	05060452	Pressure switch
48	05060454	Pressure switch
48	05060455	Pressure switch
48	05060456	Pressure switch
48	05060948	Thermocouple
48	05062359	Lubricat. oil line

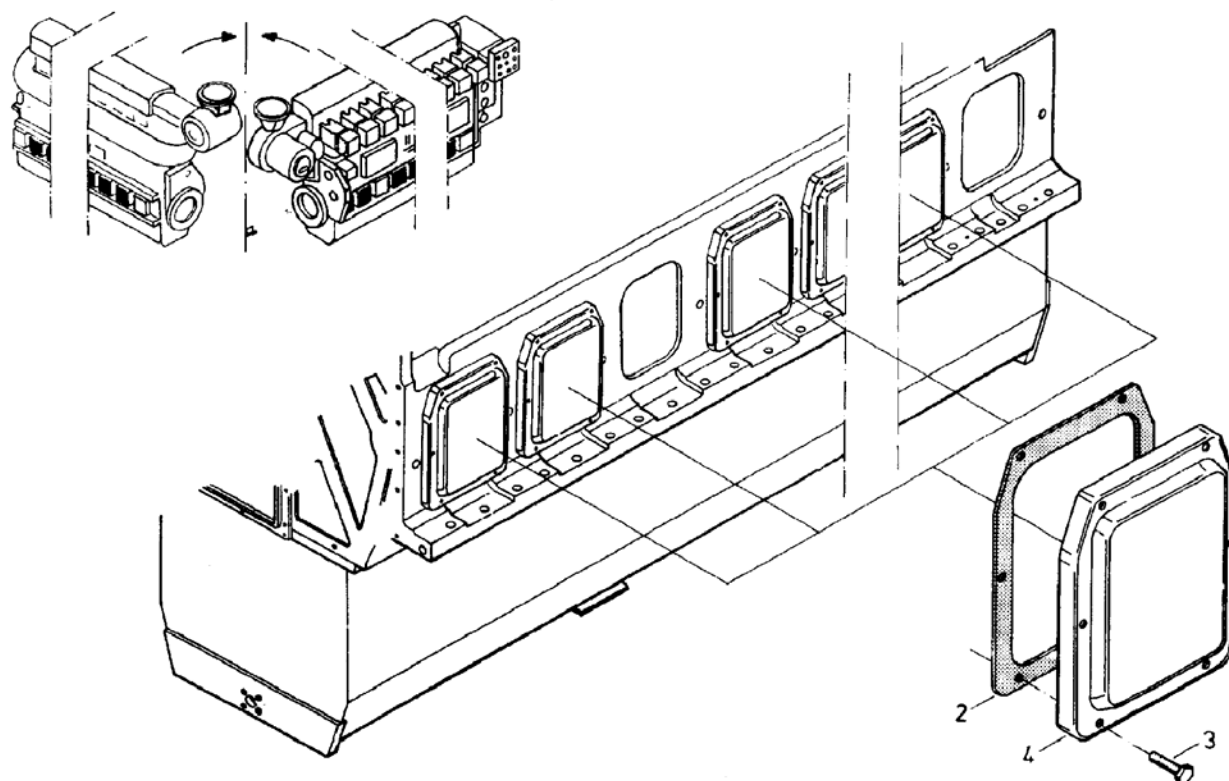
**Equipment:** SBV9M628      **Engine type** SBV9M628

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>
<b>49</b>		<b>Tools</b>
49	05014063	Cleaning device
49	05015504	Tension/clamp dev.
49	05025998	Tension/clamp dev.
49	05025999	Fuel line
49	05026401	Removing device
49	05026402	Removing device
49	05026403	Removing device
49	05026404	Ring compressor
49	05026405	Retainer
49	05026406	Expanding device
49	05026408	Assembly device
49	05026507	Assembly device
49	05026508	Mirror
49	05026509	Cyl. measuring pin
49	05026510	Alignment lever
49	05028436	Engine mounting
49	05028451	Hose assembly
49	05028568	Pump
49	05028599	High-pressure pump
49	05029527	Extractor
49	05032919	Piston ring pliers
49	05032920	Dog wrench
49	05032923	Toolkit
49	05032924	Grinding device
49	05033514	Toolkit
49	05033515	Toolkit
49	05033516	Toolkit
49	05033517	Toolkit
49	05034519	Tool
49	05034520	Tool
49	05034625	Gauge
49	05038120	Lock
49	05038180	Tension/clamp dev.
49	05038441	Tool
49	05038655	Support plate
49	05060209	High-pressure pump
49	05060343	Key
49	05060345	Toolkit
49	05060745	Removing tool
49	05060746	Drawing die
49	05060754	Toolkit
49	05062196	Tors.spring indic.
49	05062258	Toolkit

**Equipment:** SBV9M628      **Engine type** SBV9M628

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>
<b>51</b>		<b>Measuring instruments</b>
51	05026000	Gauge panel
51	05026672	Press.gauge line
51	05028626	Measuring panel
51	05032941	Stop valve
51	05033731	Elapsed-hour meter
51	05033818	Press.gauge line
51	05033820	Press.gauge line
51	05033839	Speed switch
51	05033843	Tacho unit
51	05038037	Thermometer
51	05038041	Thermometer
51	05038144	Thermometer
51	05060342	Measuring panel
51	05060741	Press.gauge line
<b>52</b>		<b>Clutch</b>
52	05062185	Clutch assembly
<b>57</b>		<b>V-belt guard</b>
57	05038510	Sheeting/panelling
<b>58</b>		<b>Intercooler</b>
58	05026001	Fastenings
58	05060605	Charge air cooler
<b>59</b>		<b>Injection pump tools</b>
59	05026665	Retainer
59	05026666	Assembly device
59	05026667	Hook spanner
59	05026669	Setting tool
59	05028503	Assembly device
59	05032926	Bush
<b>69</b>		<b>Turning gear</b>
69	05029526	Turning gear
<b>87</b>		<b>Charge air pipe</b>
87	05061667	Inlet manifold
87	05061672	Intake box
87	05061676	Inlet manifold
87	05062192	Cover
<b>90</b>		<b>Set of parts</b>
90	05070283	Cool.syst.protect.
90	ETL01133	Extra parts for CG 90

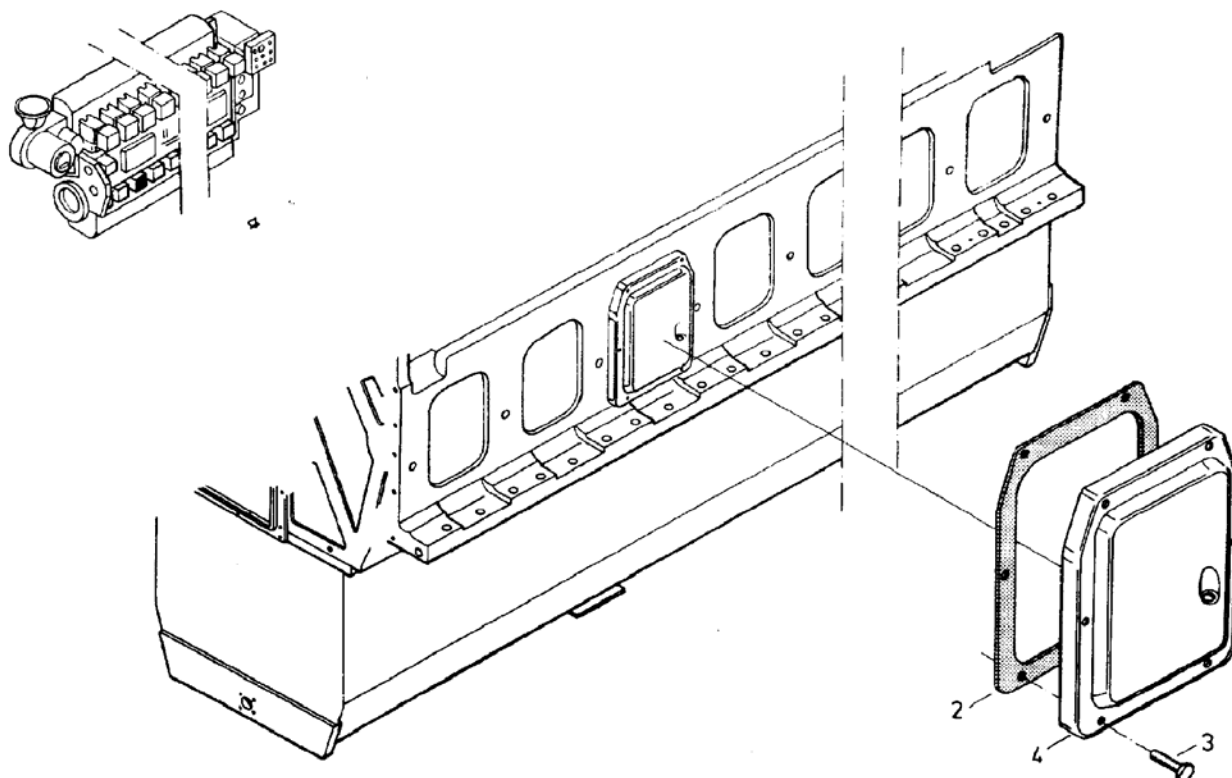
**ETL no.: 05025921 Cover**
**Constr. Group: 1**
**Equipment:** SBV9M628

**Engine type:** SBV9M628


Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
2	02086208	1	ST	Gasket	
3	01112418	4	ST	Hexagon bolt	
4	04070596	1	ST	Cover	ALTE POS.1

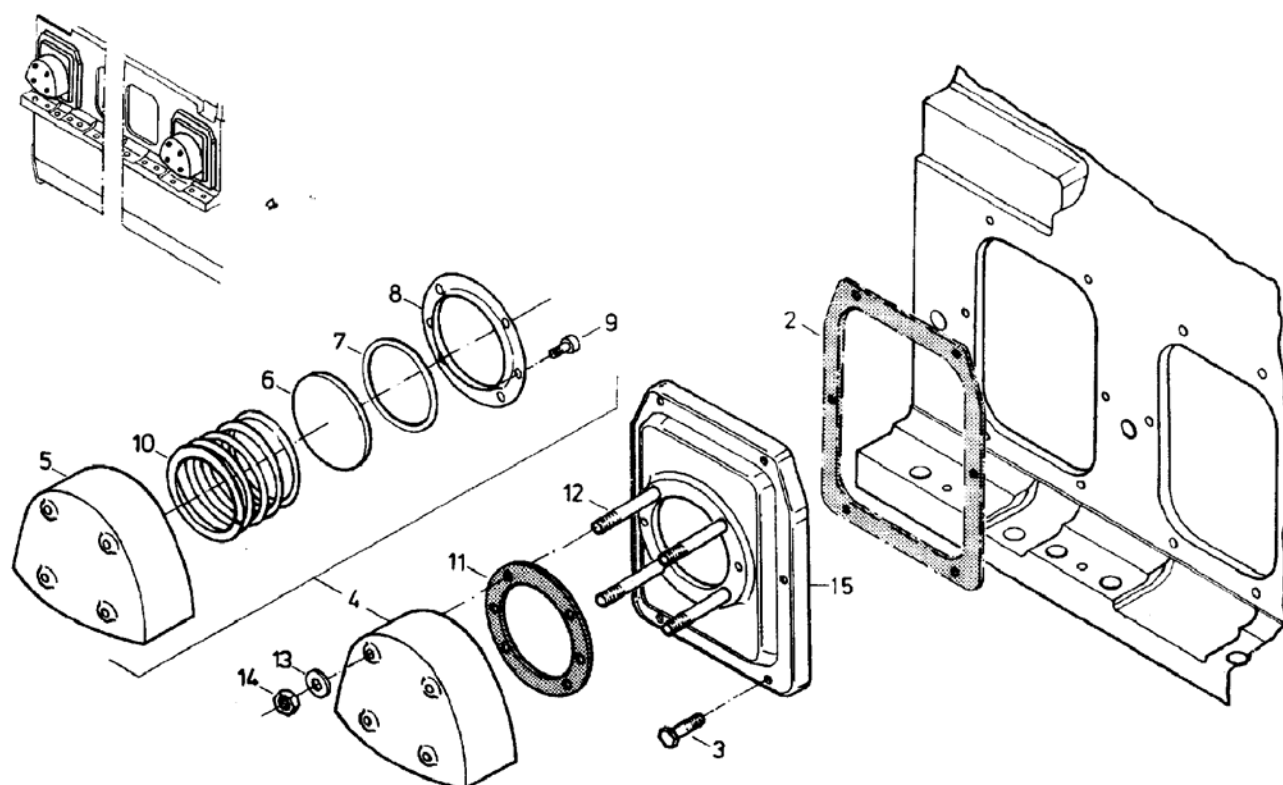


**ETL no.: 05025922 Cover**
**Equipment:** SBV9M628

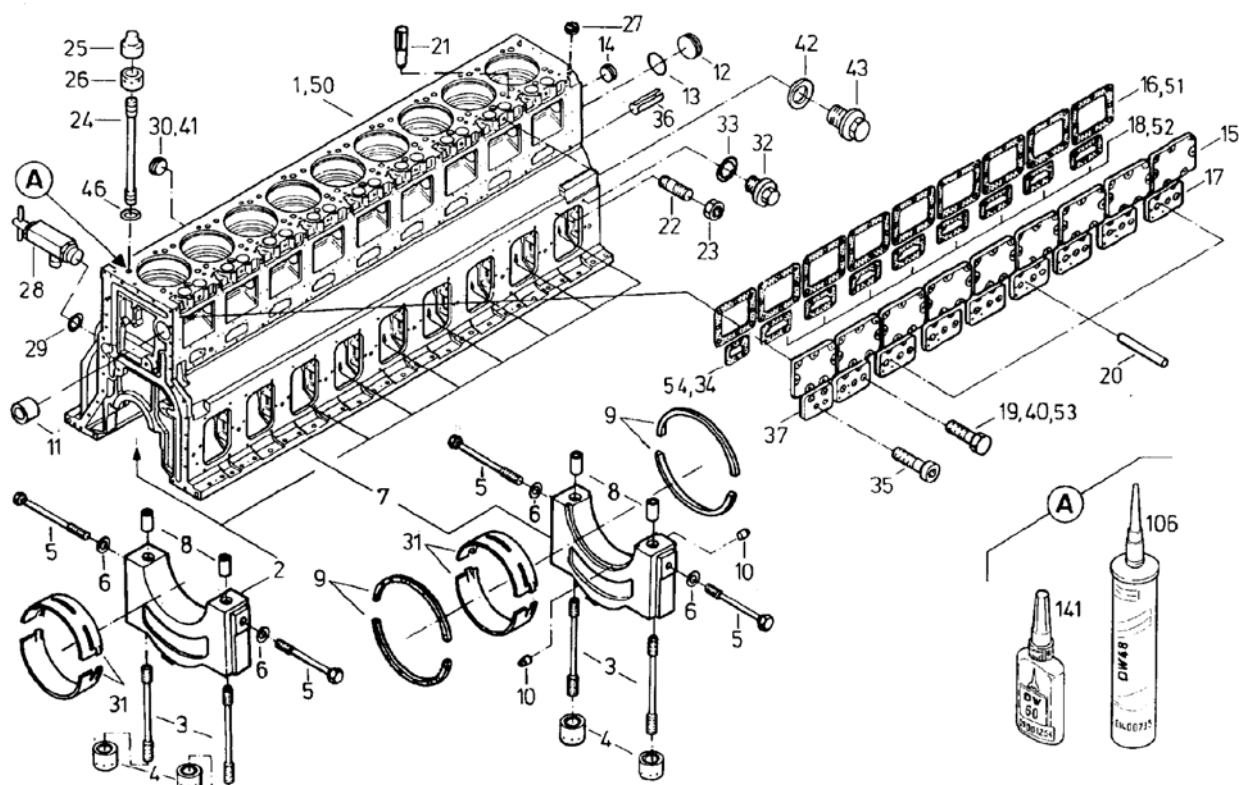
**Constr. Group: 1**
**Engine type:** SBV9M628


Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
2	02086208	1	ST	Gasket	
3	01112418	4	ST	Hexagon bolt	
4	04070597	1	ST	Cover	ALTE POS.1

**ETL no.: 05025923 Relief valve**
**Constr. Group: 1**
**Equipment:** SBV9M628

**Engine type:** SBV9M628


Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
2	02086208	1	ST	Gasket	KOMPL.
3	01112418	4	ST	Hexagon bolt	
4	03324682	1	ST	Relief valve	
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	
11	01216387	1	ST	Round flang.gasket	
12	01113507	4	ST	Stud	
13	01118659	4	ST	Sealing ring	
14	01102659	4	ST	Hexagon nut	
15	02085182	1	ST	Cover	

**ETL no.: 05028355 Crankcase**
**Constr. Group: 1**
**Equipment: SBV9M628**
**Engine type: SBV9M628**


Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
1	02089104	1	ST	Crankcase	ABNAHME : BV,NV,ABS.
2	02083102	9	ST	Bearing cap	
3	02083105	20	ST	Waisted stud	
4	02083110	20	ST	Annular nut	
5	01172323	20	ST	Hexagon bolt	
6	01160379	20	ST	Plain washer	
7	02083907	1	ST	Bearing cap	
8	02083104	20	ST	Dowel bush	
9	04064043	2	ST	Shim	
10	02083103	2	ST	Pin	
11	04076633	10	ST	Bearing bush	
12	04066913	1	ST	Plug	
13	01166113	1	ST	O-seal	
14	01165794	1	ST	Slotted plug	
15	04072583	9	ST	Cover	
16	04072594	9	ST	Gasket	ERSATZ POS.51
17	04072588	8	ST	Cover	
18	04072593	8	ST	Gasket	ERSATZ POS.52
19	01112429	103	ST	Hexagon bolt	ERSATZ POS.53
20	01105219	3	ST	Parallel pin	
21	04078522	9	ST	Centering pin	
23	01102659	36	ST	Hexagon nut	
24	04079480	36	ST	Waisted stud	

**ETL no.: 05028355 Crankcase**
**Constr. Group: 1**
**Equipment: SBV9M628**
**Engine type: SBV9M628**

Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
25	04072585	36	ST	Protecting cap	
26	02083110	36	ST	Annular nut	
27	01165786	10	ST	Slotted plug	
28	01161219	1	ST	Drain valve	
29	01118737	1	ST	Sealing ring	
30	01152286	1	ST	Screw plug	
31	04093413	10	ST	Main bearing	AS FROM ENGINE SERIAL NO. (A) UP TO ENGINE SERIAL NO. SEE ITEM (B) A=POS.031 / B=POS.970 NORMALAUSF. AD=220 / ID=2 10 REP.-STUFE S.POS 950-959
32	01133632	2	ST	Screw plug	
33	01118688	2	ST	Sealing ring	
34	04072606	1	ST	Gasket	ERSATZ POS.54
35	01110664	4	ST	Cheese head screw	
36	01115500	2	ST	Straight pin	
37	04072882	1	ST	Cover	
41	01016113	1	ST	Safety/lock.agent	
42	01118760	9	ST	Sealing ring	
43	01118985	9	ST	Screw plug	
46	01167374	32	ST	O-seal	
51	04090903	9	ST	Gasket	
52	04090902	8	ST	Gasket	
53	01122447	103	ST	Hexagon bolt	
54	04090904	1	ST	Gasket	
106	01400735	1	ST	Packing compound	
141	01001254	1	ST	Safety/lock.agent	
950	04093546	1	ST	Main bearing	AS FROM ENGINE SERIAL NO. (A) UP TO ENGINE SERIAL NO. SEE ITEM (B) A=POS.950 / B=POS.971 REP.STUFE AD=220 / ID=209 ,5
951	04093547	1	ST	Main bearing	AS FROM ENGINE SERIAL NO. (A) UP TO ENGINE SERIAL NO. SEE ITEM (B) A=POS.951 / B=POS.972 REP.STUFE AD=220 / ID=209
952	04093548	1	ST	Main bearing	AS FROM ENGINE SERIAL NO. (A) UP TO ENGINE SERIAL NO. SEE ITEM (B) A=POS.952 / B=POS.973 REP.STUFE AD=220 / ID=208 ,5