



# Spare Parts Catalog

TBD 6 234V s/n 23406002628

<http://engine.od.ua>

*Use Bookmarks for navigation inside of the Parts Catalogue*

**Equipment information**

<b>Equipment:</b>	23406002628
<b>Type:</b>	TBD 6 234V
<b>Output:</b>	0000191,0 kW
<b>Speed:</b>	1500 1/min
<b>Build date:</b>	01.11.1996
<b>KLU-Number:</b>	
<b>ETL scope:</b>	EU239141
<b>MVS:</b>	111
<b>Customer:</b>	MWM MOTOREN-WERKE MANNHEIM AG
<b>Location:</b>	UNGUELTIG S.GP2800033!!
<b>Country:</b>	Germany
<b>VKU date:</b>	01.11.1996
<b>VKU' date:</b>	
<b>Commissioning date:</b>	
<b>Begin of guarantee period:</b>	
<b>Man. begin of guar. period:</b>	no
<b>End of guarantee period:</b>	
<b>ID maintenance contract:</b>	
<b>ID insurance contract:</b>	
<b>Guarantee package:</b>	

## Assembly group directory

<b>Equipment:</b>	23406002628	<b>Engine type:</b>	TBD 6 234V
<b>Output:</b>	0000191,0 kW	<b>Speed:</b>	1500 1/min
<b>ETL scope:</b>	EU239141		

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>	<b>Designation (en)</b>
<b>1</b>		<b>Crankcase</b>	
1	0509 0670	Crankcase breather	Crankcase breather
1	0509 0676	Blanking parts	Blanking parts
1	0509 0678	Cover	Cover
1	0509 1286	Engine block	Engine block
1	0509 1481	Crankc. end cover	Crankc. end cover
1	0509 1568	Engine mounting	Engine mounting
1	0509 1586	Breather pipe	Breather pipe
1	0509 4011	Cover	Cover
1	0509 4645	Main bearing	Main bearing
<b>2</b>		<b>Oil pan</b>	
2	0509 4386	Oil pan	Oil pan
<b>5</b>		<b>Crankshaft</b>	
5	0509 1287	Mass balancer	Mass balancer
5	0509 1441	Crankshaft	Crankshaft
5	0509 4530	V-grooved pulley	V-grooved pulley
5	0509 4543	Flywheel	Flywheel
<b>6</b>		<b>Connecting rod</b>	
6	0509 0600	Connecting rod	Connecting rod
<b>7</b>		<b>Piston</b>	
7	0509 0599	Piston	Piston
<b>8</b>		<b>Cylinder head</b>	
8	0509 0640	Valve mechan.cover	Valve mechan.cover
8	0509 1565	Cylinder head	Cylinder head
<b>10</b>		<b>Camshaft</b>	
10	0509 1452	Camshaft	Camshaft
<b>11</b>		<b>Timing gears</b>	
11	0509 0596	Valve drive	Valve drive
11	0509 0597	Pushrod	Pushrod
<b>14</b>		<b>Lube oil pump</b>	
14	0509 1479	Lubricat. oil pump	Lubricat. oil pump
<b>15</b>		<b>Lube oil/-cooler</b>	
15	0509 1548	Oil cooler	Oil cooler
15	0509 4214	Lubric. oil filter	Lubric. oil filter
<b>16</b>		<b>Oil pipes</b>	
16	0509 0648	Lubricat. oil line	Lubricat. oil line
16	0509 4720	Lubricat. oil pump	Lubricat. oil pump
16	0509 4724	Lubricat. oil line	Lubricat. oil line
<b>17</b>		<b>Injection pump</b>	
17	0509 1422	Parts inject.pump	Parts inject.pump
17	0509 1469	Multidisc clutch	Multidisc clutch
17	0509 1976	Hand pump	Hand pump
17	0509 4079	Fuel inject. pump	Fuel inject. pump
17	0509 5106	Fuel supply pump	Fuel supply pump
<b>18</b>		<b>Injection pump drive</b>	
18	0509 1468	Inject. pump drive	Inject. pump drive
<b>19</b>		<b>Injector</b>	
19	0509 4077	Fuel injector	Fuel injector

<b>Equipment:</b>	23406002628	<b>Engine type:</b>	TBD 6 234V
<b>Output:</b>	0000191,0 kW	<b>Speed:</b>	1500 1/min
<b>ETL scope:</b>	EU239141		

CG	ETL-No.	Designation (en)	Designation (en)
<b>20</b>		<b>Fuel filter</b>	
20	0509 0635	Fuel duplex filter	Fuel duplex filter
20	0509 1695	Fuel filter assy	Fuel filter assy
<b>21</b>		<b>Fuel pipes/fuel tank</b>	
21	0509 0667	Back leak.connect.	Back leak.connect.
21	0509 1542	Leak off line	Leak off line
21	0509 4081	High pressure pipe	High pressure pipe
<b>22</b>		<b>Suction pipe/air cleaner</b>	
22	0503 8961	Wet air cleaner	Wet air cleaner
22	0509 1540	Intake manifold	Intake manifold
22	0509 1634	Intake elbow	Intake elbow
<b>27</b>		<b>Speed control</b>	
27	0509 4540	Engine speed contr	Engine speed contr
27	0509 4541	Engine speed contr	Engine speed contr
<b>36</b>		<b>Water cooler</b>	
36	0509 4534	Heat exchanger	Heat exchanger
<b>37</b>		<b>Cooling water pump</b>	
37	0509 2312	Pump assy	Pump assy
37	0509 4064	Raw water pump	Raw water pump
37	0509 4068	Tensioning pulley	Tensioning pulley
37	0509 4163	Tensioning pulley	Tensioning pulley
37	0509 4464	Narrow v-belt	Narrow v-belt
37	0509 4478	Centrifugal pump	Centrifugal pump
<b>38</b>		<b>Water pipes</b>	
38	0509 2311	Indirect cooling	Indirect cooling
38	0509 4240	Cooling water line	Cooling water line
38	0509 4537	Cooling water line	Cooling water line
<b>41</b>		<b>Exhaust manifold</b>	
41	0509 1669	Exhaust pipe	Exhaust pipe
41	0509 1955	Exhaust manifold	Exhaust manifold
41	0509 4071	Sheeting/panelling	Sheeting/panelling
41	0509 4073	Guard plate	Guard plate
41	0509 4177	Cover plate	Cover plate
<b>43</b>		<b>Turbocharger</b>	
43	0509 0653	Turbocharger	Turbocharger
43	0509 2304	Turbocharging assy	Turbocharging assy
43	0509 2308	Lubricat. oil line	Lubricat. oil line
<b>44</b>		<b>Alternator/starter motor</b>	
44	0500 3725	Protecting cap	Protecting cap
44	0509 4210	Starter	Starter
44	0509 5562	Parts start.motor	Parts start.motor
<b>46</b>		<b>Engine mounting, rigid</b>	
46	0509 1283	Engine mounting	Engine mounting
<b>48</b>		<b>Electrical accessories</b>	
48	0503 3560	Temper.transmitter	Temper.transmitter
48	0508 2506	Flow switch	Flow switch
48	0508 3572	Switching device	Switching device
48	0509 1954	Tapping box	Tapping box
48	0509 2810	Cable terminal box	Cable terminal box
48	0509 4091	Thermocouple	Thermocouple

<b>Equipment:</b>	23406002628	<b>Engine type:</b>	TBD 6 234V
<b>Output:</b>	0000191,0 kW	<b>Speed:</b>	1500 1/min
<b>ETL scope:</b>	EU239141		

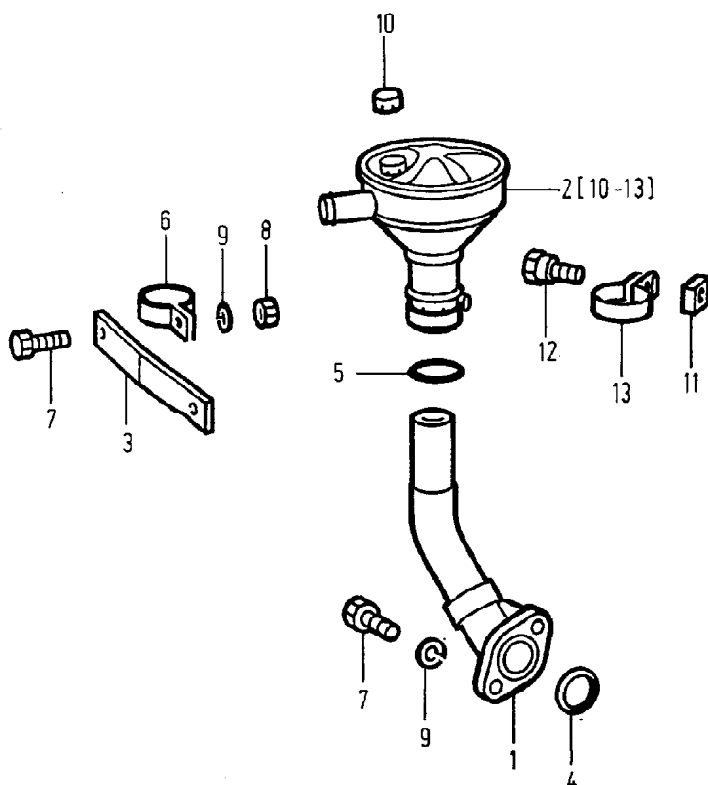
CG	ETL-No.	Designation (en)	Designation (en)
48	0509 4207	Solenoid valv	Solenoid valv
48	0509 4288	Temper.transmitter	Temper.transmitter
48	0509 4877	Cabling	Cabling
48	0509 5126	Pulse generator	Pulse generator
48	0509 5154	Cable terminal box	Cable terminal box
48	0509 5155	Bracket	Bracket
48	0509 5158	Monitoring	Monitoring
<b>49</b>		<b>Tools</b>	
49	0509 4173	Rod	Rod
49	0509 4209	Turn-over gear	Turn-over gear
<b>51</b>		<b>Measuring instruments</b>	
51	0509 1031	Thermometer	Thermometer
51	0509 2335	Monitoring	Monitoring
<b>52</b>		<b>Clutch</b>	
52	0509 1285	Flywheel housing	Flywheel housing
<b>56</b>		<b>Engine shutdown</b>	
56	0509 0688	Connector socket	Connector socket
56	0509 4542	Shutdown device	Shutdown device
<b>57</b>		<b>V-belt guard</b>	
57	0509 4213	V-belt guard	V-belt guard
<b>58</b>		<b>Intercooler</b>	
58	0509 4171	Charge air cooler	Charge air cooler
<b>90</b>		<b>Set of parts</b>	
90	0509 2278	Gasket set	Gasket set
90	0509 2287	Gasket set	Gasket set

ETL no.: 0509 0670 Crankcase breather

Constr. Group: 01

Equipment: 23406002628  
 Output: 0000191,0 kW  
 ETL scope: EU239141

Engine type: TBD 6 234V  
 Speed: 1500 1/min



0509 0670

Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	12163756				1	ST		Tube	Tube	MWM-NR. 6.234.0.942.007 .5
2	12152872		20	20	1	ST		Oil separator	Oil separator	MWM-NR. 6.0525.62.2.001 9
3	12163342				1	ST		Connecting plate	Connecting plate	MWM-NR. 6.234.0.650.006 .4
4	01161340		90	90	1	ST		O-seal	O-seal	MWM-NR. 6.0493.10.4.040 4
5	06214824				1	ST		O-seal	O-seal	MWM-NR. 6.0493.12.8.038 3
6	12151725				1	ST		Pipe clamp	Pipe clamp	MWM-NR. 6.0402.10.1.382 0
7	01112333		20	20	3	ST		Hexagon bolt	Hexagon bolt	MWM-NR. 6.0200.05.0.082 5
8	01122477		20	20	1	ST		Hexagon nut	Hexagon nut	MWM-NR. 6.0210.05.4.008 0
9	01177981				3	ST		Spring lock washer	Spring lock washer	MWM-NR. 6.0216.01.0.008 0
10	12155461		20	20	1	ST		Cap	Cap	MWM-NR. 6.0690.36.1.134 6
11	01152840				1	ST		Square nut	Square nut	MWM-NR. 6.0211.04.0.000 6
12	12156940		90	90	1	ST		Acorn hex. hd bolt	Acorn hex. hd bolt	MWM-NR. 6.0690.74.2.410

ETL no.: 0509 0670    Crankcase breather    Constr. Group: 01

Equipment:	23406002628	Engine type:	TBD 6 234V
Output:	0000191,0 kW	Speed:	1500 1/min
ETL scope:	EU239141		

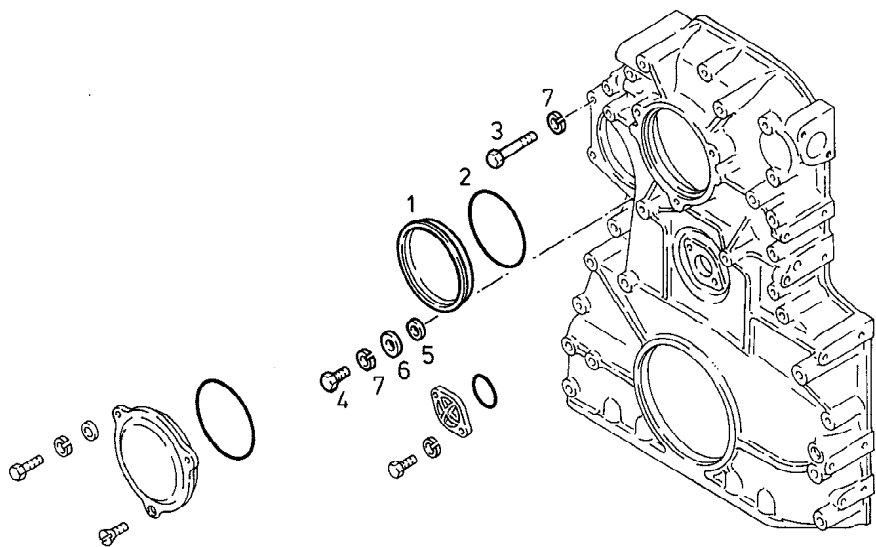
Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
13	12156344		20	20	1	ST		Pipe clamp	Pipe clamp	1 MWM-NR. 6.0690.65.4.161 3

ETL no.: 0509 0676 Blanking parts

Constr. Group: 01

Equipment: 23406002628  
Output: 0000191,0 kW  
ETL scope: EU239141

Engine type: TBD 6 234V  
Speed: 1500 1/min



0509 0676

Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	12162555				1	ST		Cover	Cover	MWM-NR. 6.232.0.976.003 .4
2	01166130		20	20	1	ST		O-seal	O-seal	MWM-NR. 6.0493.10.4.100 3
3	01111166				2	ST		Hexagon bolt	Hexagon bolt	MWM-NR. 6.0200.01.0.086 0
4	01137083		20	20	2	ST		Hexagon bolt	Hexagon bolt	MWM-NR. 6.0200.05.0.082 0
5	12161062				2	ST		Plain washer	Plain washer	MWM-NR. 6.232.0.340.029 .4
6	12164637				2	ST		Plain washer	Plain washer	MWM-NR. 6.305.0.340.010 .4
7	01177981				4	ST		Spring lock washer	Spring lock washer	MWM-NR. 6.0216.01.0.008 0