



# Spare Parts Catalog

Engine type: TBD16 604BV

Serial number: 7538223

Output: 1600,0 kW

Speed: 1800 1/min

**Equipment information**

**Equipment:** 00007538223  
**Type:** TBD16 604BV  
**Output:** 0001600,0 kW  
**Speed:** 1800 1/min  
**Build date:** 01.05.1989  
**KLU-Number:**  
**ETL scope:** EU235009  
**MVS:** 721

**VKU date:** 01.05.1989

**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>	00007538223	<b>Engine type:</b>	TBD16 604BV
<b>Output:</b>	0001600,0 kW	<b>Speed:</b>	1800 1/min
<b>ETL scope:</b>	EU235009		

CG	ETL-No.	Designation (en)	Designation (en)
<b>1</b>		<b>Crankcase</b>	
1	0508 0788	Flange	Flange
1	0508 1095	Disch./drain pipe	Disch./drain pipe
1	0508 1394	Gear-box cover	Gear-box cover
1	0508 1398	Engine mounting	Engine mounting
1	0508 1428	Oil filler neck	Oil filler neck
1	0508 1431	Blank flange	Blank flange
1	0508 1978	Tdc-pointer	Tdc-pointer
1	0508 1986	Hole cover	Hole cover
1	0508 2123	Bracket	Bracket
1	0508 3803	Crankcase breather	Crankcase breather
1	0508 3935	Cover	Cover
1	0508 4014	Crankc. end cover	Crankc. end cover
1	0508 4018	Crankcase	Crankcase
<b>2</b>		<b>Oil pan</b>	
2	0508 2972	Oil pan	Oil pan
2	0508 3318	Dipstick	Dipstick
<b>5</b>		<b>Crankshaft</b>	
5	0508 0852	Starter ring gear	Starter ring gear
5	0508 2140	Stop ring	Stop ring
5	0508 2680	Crankshaft	Crankshaft
5	0508 3382	Main bearing	Main bearing
5	0508 3871	Flywheel flange	Flywheel flange
5	0508 3924	Crankshaft access.	Crankshaft access.
<b>6</b>		<b>Connecting rod</b>	
6	0508 2320	Big end bearing	Big end bearing
6	0508 3321	Connecting rod	Connecting rod
<b>7</b>		<b>Piston</b>	
7	0508 4045	Piston	Piston
<b>8</b>		<b>Cylinder head</b>	
8	0508 1177	Valve mechan.cover	Valve mechan.cover
8	0508 2179	Installation parts	Installation parts
8	0508 2181	Cool.water passage	Cool.water passage
8	0508 2914	Linkage	Linkage
8	0508 3098	Cylinder head	Cylinder head
8	0508 3566	Regulator	Regulator
<b>9</b>		<b>Timing chest</b>	
9	0508 1329	Blanking parts	Blanking parts
9	0508 1402	Axle	Axle
9	0508 3930	Idler gear	Idler gear
9	0508 3931	Idler gear	Idler gear
9	0508 4015	Idler gear	Idler gear
<b>10</b>		<b>Camshaft</b>	
10	0508 2130	Cover	Cover
10	0508 4011	Camshaft	Camshaft
10	0508 9370	Camshaft drive	Camshaft drive
<b>11</b>		<b>Timing gears</b>	
11	0508 1173	Protecting tube	Protecting tube
11	0508 1176	Rocker arm bracket	Rocker arm bracket
11	0508 2397	Valve bridge	Valve bridge

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CG	ETL-No.	Designation (en)	Designation (en)
11	0508 4050	Valve drive	Valve drive
<b>14</b>		<b>Lube oil pump</b>	
14	0508 2121	Installation parts	Installation parts
14	0508 2880	Lube pump	Lube pump
14	0508 3915	Lubricat. oil pump	Lubricat. oil pump
<b>15</b>		<b>Lube oil/-cooler</b>	
15	0502 9979	Centrifuge	Centrifuge
15	0508 1417	Lubric. oil filter	Lubric. oil filter
<b>16</b>		<b>Oil pipes</b>	
16	0508 0062	Vane pump	Vane pump
16	0508 1105	Oil press.reg.valv	Oil press.reg.valv
16	0508 1412	Lubricat. oil line	Lubricat. oil line
16	0508 1416	Piston cooling	Piston cooling
16	0508 1418	Lubricat. oil line	Lubricat. oil line
16	0508 1424	Lubricat. oil line	Lubricat. oil line
16	0508 1726	Lubricat. oil line	Lubricat. oil line
16	0508 2547	Oil line	Oil line
16	0508 3264	Oil line	Oil line
16	0508 3313	Oil line	Oil line
16	0508 3323	Oil line	Oil line
16	0508 3369	Lubricat. oil pump	Lubricat. oil pump
<b>17</b>		<b>Injection pump</b>	
17	0508 1246	Indicator	Indicator
17	0508 2211	Limit stop	Limit stop
17	0508 2218	Fastenings	Fastenings
17	0508 2502	Lp pipe	Lp pipe
17	0508 2715	Indicator	Indicator
17	0508 4174	Fuel inject. pump	Fuel inject. pump
17	0508 4175	Fuel inject. pump	Fuel inject. pump
<b>18</b>		<b>Injection pump drive</b>	
18	0508 4038	Inject. pump drive	Inject. pump drive
18	0508 4149	Multidisc clutch	Multidisc clutch
<b>19</b>		<b>Injector</b>	
19	0508 1860	Fuel injector	Fuel injector
19	0508 2165	Clamping yoke	Clamping yoke
19	0508 2166	Installation parts	Installation parts
<b>20</b>		<b>Fuel filter</b>	
20	0500 2546	Hose assembly	Hose assembly
20	0508 1866	Bracket	Bracket
20	0508 2350	Fuel duplex filter	Fuel duplex filter
20	0508 3246	Fuel pump	Fuel pump
<b>21</b>		<b>Fuel pipes/fuel tank</b>	
21	0508 2104	Hose assembly	Hose assembly
21	0508 2323	Leak off line	Leak off line
21	0508 2327	Connector	Connector
21	0508 3266	Fuel line	Fuel line
21	0508 3801	Accessories	Accessories
21	0508 4134	High pressure pipe	High pressure pipe
<b>22</b>		<b>Suction pipe/air cleaner</b>	
22	0508 3149	Filter	Filter

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CG	ETL-No.	Designation (en)	Designation (en)
22	0508 3388	Filter insert	Filter insert
<b>27</b>		<b>Speed control</b>	
27	0508 1317	Speed governor	Speed governor
27	0508 3923	Governor drive	Governor drive
<b>29</b>		<b>Control linkage</b>	
29	0508 1127	Clutch/coupling	Clutch/coupling
29	0508 1441	Control linkage	Control linkage
<b>30</b>		<b>Airstarting control</b>	
30	0508 1225	Cover	Cover
<b>34</b>		<b>Vibration damper</b>	
34	0508 2923	Vibration damper	Vibration damper
34	0508 2934	Fastenings	Fastenings
<b>36</b>		<b>Water cooler</b>	
36	0508 1452	Thermostat	Thermostat
36	0508 1453	Breather line	Breather line
36	0508 1454	Manifold	Manifold
36	0508 1883	Thermostat	Thermostat
36	0508 1885	Manifold	Manifold
36	0508 2620	Radiator bracket	Radiator bracket
36	0508 3268	Heat exchanger	Heat exchanger
<b>37</b>		<b>Cooling water pump</b>	
37	0508 3929	Raw water pump	Raw water pump
37	0508 4008	Centrifugal pump	Centrifugal pump
<b>38</b>		<b>Water pipes</b>	
38	0508 0789	Cooling water line	Cooling water line
38	0508 1344	Cooling water line	Cooling water line
38	0508 1450	Pipe elbow	Pipe elbow
38	0508 1456	Intake elbow	Intake elbow
38	0508 1458	Cooling water line	Cooling water line
38	0508 1459	Cooling water line	Cooling water line
38	0508 1887	Cooling water line	Cooling water line
38	0508 1892	Cooling water line	Cooling water line
38	0508 2437	Bypass line	Bypass line
38	0508 2717	Accessories	Accessories
38	0508 3322	Cooling water line	Cooling water line
38	0508 3340	Cover	Cover
38	0508 3341	Suction pipe	Suction pipe
38	0508 3342	Cooling water line	Cooling water line
38	0508 3343	Raw water line	Raw water line
38	0508 3349	Cooling water line	Cooling water line
38	0508 3350	Bracket	Bracket
38	0508 3352	Raw water line	Raw water line
38	0508 3683	Blanking parts	Blanking parts
<b>41</b>		<b>Exhaust manifold</b>	
41	0508 3865	Exhaust pipe	Exhaust pipe
41	0508 3866	Exhaust pipe	Exhaust pipe
<b>43</b>		<b>Turbocharger</b>	
43	0508 3286	Accessories	Accessories
<b>44</b>		<b>Alternator/starter motor</b>	
44	0508 0848	Starter motor	Starter motor

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CG	ETL-No.	Designation (en)	Designation (en)
44	0508 0861	Starter motor	Starter motor
44	0508 2710	Bracket	Bracket
<b>47</b>		<b>Engine mounting, flexible</b>	
47	0508 3207	Silentbloc	Silentbloc
<b>48</b>		<b>Electrical accessories</b>	
48	0501 9305	Monitoring	Monitoring
48	0503 3561	Switching device	Switching device
48	0503 3670	Temper.transmitter	Temper.transmitter
48	0503 8656	Temper.transmitter	Temper.transmitter
48	0508 2234	Flow switch	Flow switch
48	0508 2247	Rectifier	Rectifier
48	0508 2248	Reversing relay	Reversing relay
48	0508 2270	Pressure switch	Pressure switch
48	0508 2275	Pressure switch	Pressure switch
48	0508 2308	Pressure exchanger	Pressure exchanger
48	0508 2310	Pressure exchanger	Pressure exchanger
48	0508 2401	Flow switch	Flow switch
48	0508 2506	Flow switch	Flow switch
48	0508 3238	Temper.transmitter	Temper.transmitter
48	0508 3303	Sensor	Sensor
48	0508 3327	Bracket	Bracket
48	0508 3543	Monitoring	Monitoring
48	0508 3824	Temper.transmitter	Temper.transmitter
48	0508 4058	Bracket	Bracket
48	0509 1030	Pressure pick-up	Pressure pick-up
<b>51</b>		<b>Measuring instruments</b>	
51	0508 1961	Tachoconnector	Tachoconnector
51	0508 1970	Thermometer	Thermometer
51	0508 1972	Pressure gauge	Pressure gauge
51	0508 1973	Pressure gauge	Pressure gauge
51	0508 2102	Thermocouple	Thermocouple
51	0508 2291	Speedometer drive	Speedometer drive
51	0508 2292	Speedometer drive	Speedometer drive
51	0508 2477	Thermocouple	Thermocouple
51	0508 2725	Thermometer	Thermometer
51	0508 3249	Thermometer	Thermometer
51	0508 3292	Bracket	Bracket
51	0508 3293	Bracket	Bracket
51	0508 3405	Sensor	Sensor
51	0508 3525	Temper.transmitter	Temper.transmitter
<b>56</b>		<b>Engine shutdown</b>	
56	0508 1249	Magnet/solenoid	Magnet/solenoid
<b>57</b>		<b>V-belt guard</b>	
57	0508 3007	Fastenings	Fastenings
<b>58</b>		<b>Intercooler</b>	
58	0508 2324	Radiator bracket	Radiator bracket
58	0508 2325	Radiator bracket	Radiator bracket
58	0508 2921	Charge air cooler	Charge air cooler
58	0508 3008	Fastenings	Fastenings
58	0508 3247	Cover	Cover
58	0508 3248	Cover	Cover

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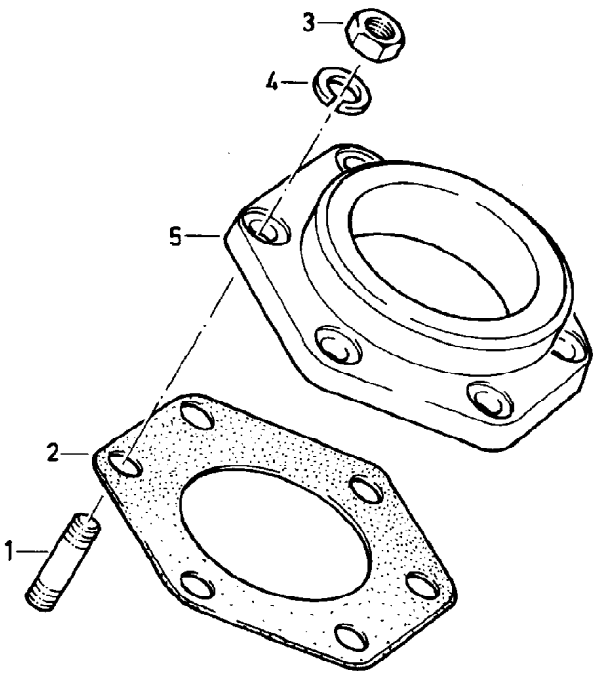
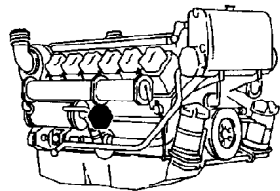
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<b>63</b>		<b>Starting aid</b>	
63	0508 2603	Cool.water preheat	Cool.water preheat
<b>87</b>		<b>Charge air pipe</b>	
87	0508 1354	Intake manifold	Intake manifold
87	0508 2251	Bush	Bush
87	0508 2252	Cover	Cover
87	0508 2282	Bush	Bush
87	0508 2485	Cover	Cover
87	0508 2950	Air guidance	Air guidance
87	0508 2951	Air guidance	Air guidance
87	0508 3028	Charge air pipe	Charge air pipe
<b>90</b>		<b>Set of parts</b>	
90	0507 0283	Cool.syst.protect.	Cool.syst.protect.
<b>96</b>		<b>Flexible tubing, various media</b>	
96	0508 2417	Breather line	Breather line
96	0508 2505	Compensator	Compensator
96	0508 2983	Compensator	Compensator

ETL no.: 0508 0788 Flange

Constr. Group: 01

Equipment: 00007538223  
Output: 0001600,0 kW  
ETL scope: EU235009

Engine type: TBD16 604BV  
Speed: 1800 1/min



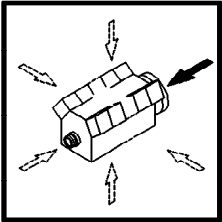
0508 0788

Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	01151604	Kit ?	90	90	6	ST	Stud	Stud	
2	12028137	Kit ?			1	ST	Gasket	Gasket	
3	01112824	Kit ?			6	ST	Hexagon nut	Hexagon nut	
4	01102799	Kit ?			6	ST	Lock washer	Lock washer	
5	12031536	Kit ?			1	ST	Flange	Flange	

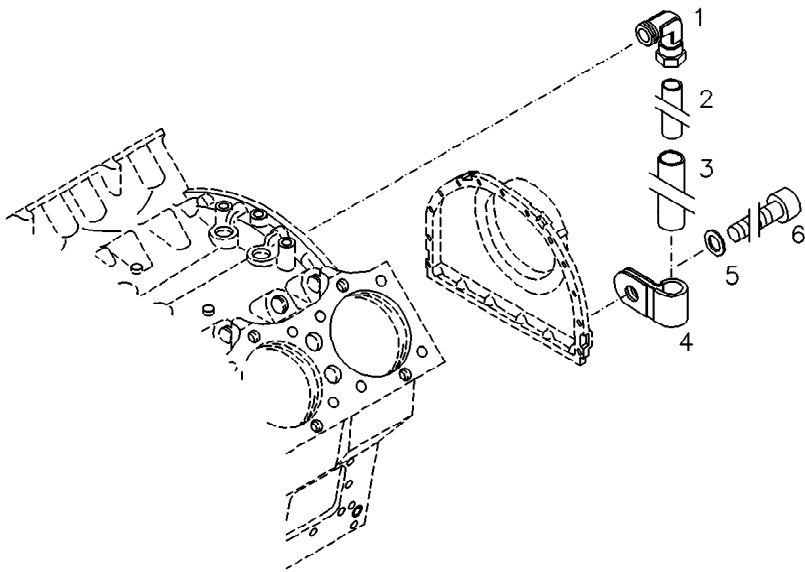


ETL no.: 0508 1095    Disch./drain pipe    Constr. Group: 01

Equipment:	00007538223	Engine type:	TBD16 604BV
Output:	0001600,0 kW	Speed:	1800 1/min
ETL scope:	EU235009		



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0508 1095

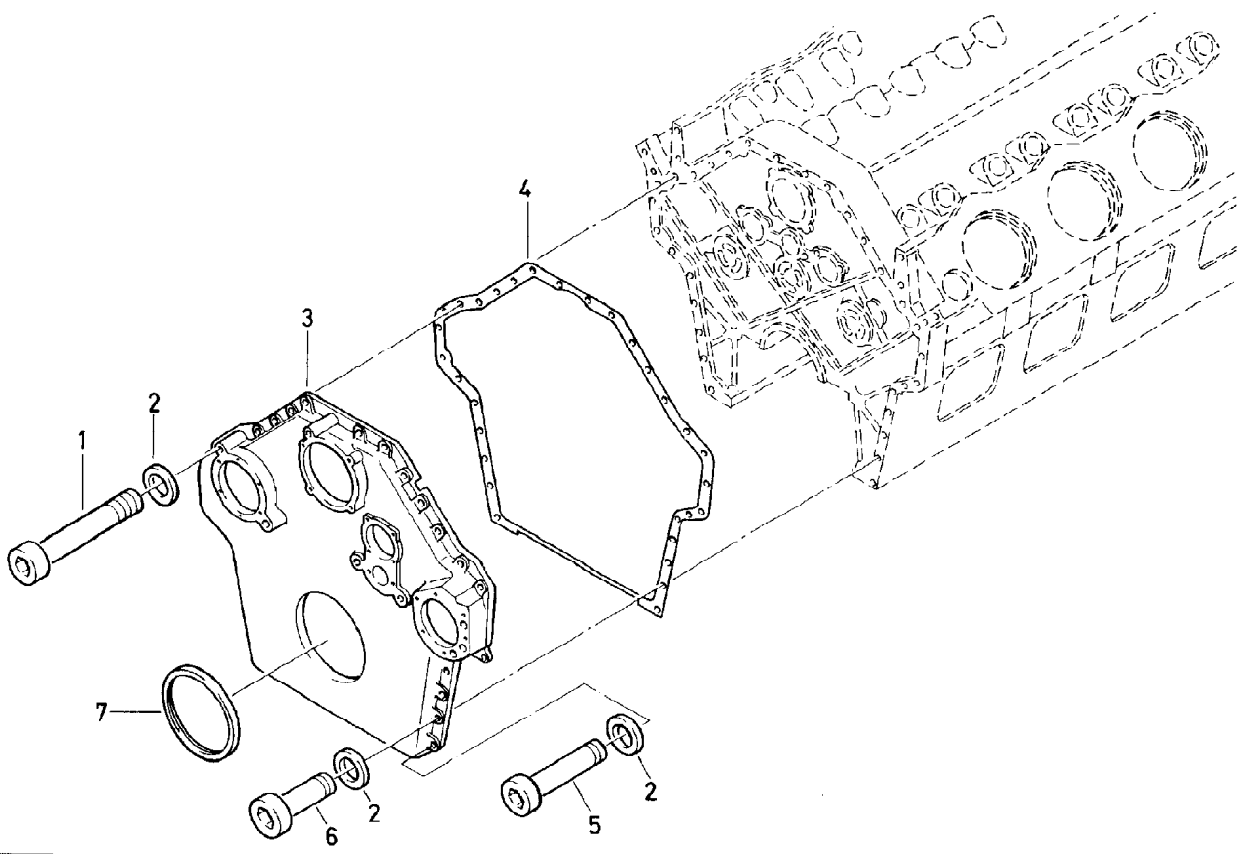
Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	01116177	Kit ?			1	ST		Threaded joint	Threaded joint	
2	12031502	Kit ?			1	ST		Tube	Tube	
3	12028133	Kit ?			1	ST		Hose	Hose	
4	01174437	Kit ?			2	ST		Pipe clamp	Pipe clamp	
5	01172303	Kit ?	20	20	2	ST		Plain washer	Plain washer	
6	01110578	Kit ?			2	ST		Cheese head screw	Cheese head screw	

ETL no.: 0508 1394    Gear-box cover

Constr. Group: 01

Equipment: 00007538223  
Output: 0001600,0 kW  
ETL scope: EU235009

Engine type: TBD16 604BV  
Speed: 1800 1/min



0508 1394

Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	01151508	Kit ?			5	ST		Cheese head screw	Cheese head screw	
2	01151187	Kit ? 20	20	30		ST		Plain washer	Plain washer	
3	12031065	Kit ?			1	ST		Crankc. end cover	Crankc. end cover	
4	12031069	Kit ?			1	ST		Gasket	Gasket	
5	01110590	Kit ? 20	20	2		ST		Cheese head screw	Cheese head screw	
6	01110571	Kit ? 20	20	23		ST		Cheese head screw	Cheese head screw	
7	12031068	Kit ?			1	ST		Rot.shaft lip seal	Rot.shaft lip seal	

ETL no.: 0508 1398    Engine mounting    Constr. Group: 01

Equipment:

Output:

ETL scope:

00007538223

0001600,0 kW

EU235009

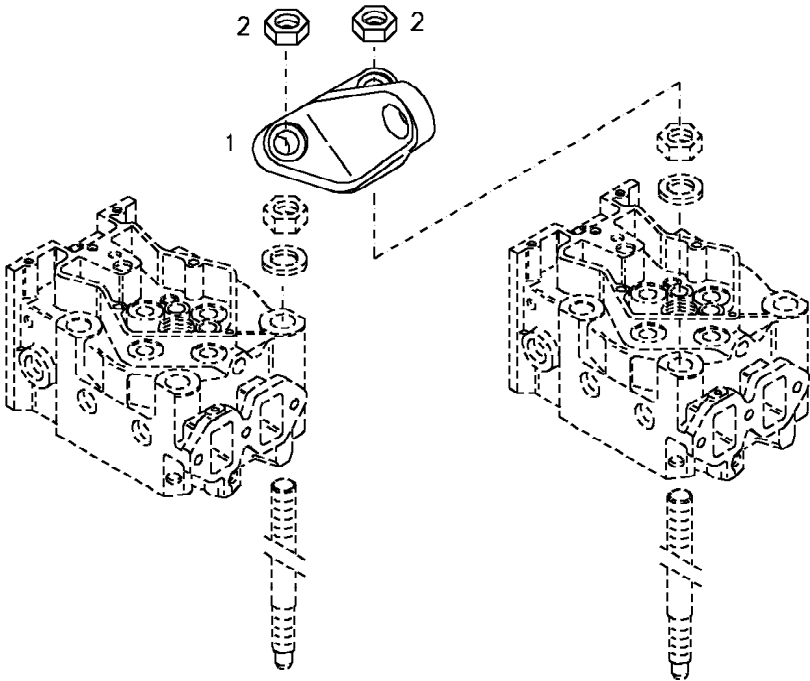
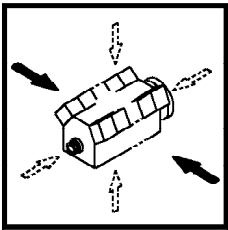
Engine type:

Speed:

TBD16 604BV

1800 1/min

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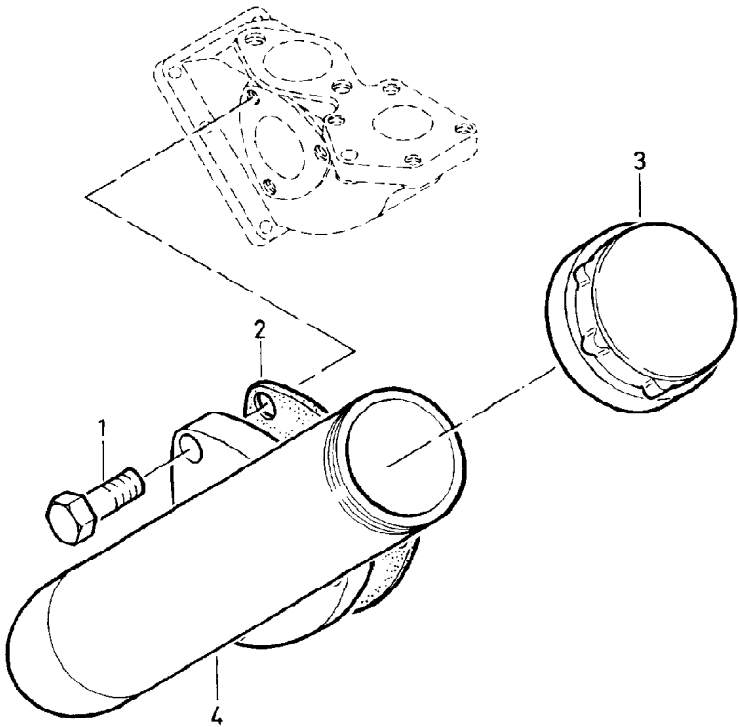
Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	12047245	Kit ?		1	ST		Engine mounting	Engine mounting	
2	01113200	Kit ?		2	ST		Hexagon nut	Hexagon nut	

ETL no.: 0508 1428 Oil filler neck

Constr. Group: 01

Equipment: 00007538223  
Output: 0001600,0 kW  
ETL scope: EU235009

Engine type: TBD16 604BV  
Speed: 1800 1/min



0508 1428

Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	01112427	Kit ?		3	ST		Hexagon bolt	Hexagon bolt	
2	12030020	Kit ?		1	ST		Gasket	Gasket	
3	12030452	Kit ?		1	ST		Filler cap	Filler cap	
4	12031040	Kit ?		1	ST		Oil filler neck	Oil filler neck	