

Equipment information

Equipment: 00007489591
Type: BF12L 513
Output: 0000248,0 kW
Speed: 1800 1/min
Build date: 01.08.1988
KLU-Number:
ETL scope: EU024234
MVS: 251

VKU date: 01.08.1988

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

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| CG | ETL-No. | Designation (en) | Designation (en) |
|-----------|-----------|-------------------------|--------------------|
| 1 | | Crankcase | |
| 1 | 0500 1808 | Cover | Cover |
| 1 | 0501 3174 | Rear end cover | Rear end cover |
| 1 | 0501 3352 | Handling device | Handling device |
| 1 | 0501 9009 | Tappet bridge | Tappet bridge |
| 1 | 0502 1425 | Oil filler | Oil filler |
| 1 | 0502 4940 | Cooling air baffle | Cooling air baffle |
| 1 | 0503 0032 | Breather line | Breather line |
| 1 | 0503 2081 | Breather | Breather |
| 1 | 0503 2086 | Carrier | Carrier |
| 1 | 0503 3423 | Dipstick | Dipstick |
| 1 | 0503 7027 | Crankcase | Crankcase |
| 1 | 0503 7135 | Venting box | Venting box |
| 1 | 0503 7392 | Breather line | Breather line |
| 1 | 0504 2677 | Breather | Breather |
| 2 | | Oil pan | |
| 2 | 0503 3254 | Oil pan | Oil pan |
| 4 | | Cylinder | |
| 4 | 0505 0610 | Cylinder | Cylinder |
| 5 | | Crankshaft | |
| 5 | 0503 0020 | Flywheel | Flywheel |
| 5 | 0503 0079 | Driving parts | Driving parts |
| 5 | 0503 7554 | Crankshaft | Crankshaft |
| 5 | 0505 0953 | Vibration damper | Vibration damper |
| 6 | | Connecting rod | |
| 6 | 0505 0818 | Connecting rod | Connecting rod |
| 7 | | Piston | |
| 7 | 0503 7424 | Piston | Piston |
| 8 | | Cylinder head | |
| 8 | 0504 2633 | Fastenings | Fastenings |
| 8 | 0504 2999 | Cylinder head | Cylinder head |
| 10 | | Camshaft | |
| 10 | 0502 2603 | Camshaft | Camshaft |
| 11 | | Timing gears | |
| 11 | 0502 1334 | Valve drive | Valve drive |
| 14 | | Lube oil pump | |
| 14 | 0503 3199 | Lubricat. oil pump | Lubricat. oil pump |
| 15 | | Lube oil/-cooler | |
| 15 | 0501 3044 | Fuse/lock | Fuse/lock |
| 15 | 0503 2122 | Filter cartridge | Filter cartridge |
| 15 | 0503 7578 | Connector | Connector |
| 15 | 0504 2535 | Blanking parts | Blanking parts |
| 15 | 0505 0665 | Lubric. oil cooler | Lubric. oil cooler |
| 16 | | Oil pipes | |
| 16 | 0503 3255 | Lubricat. oil line | Lubricat. oil line |
| 16 | 0503 4129 | Lubricat. oil line | Lubricat. oil line |
| 16 | 0503 4130 | Lubricat. oil line | Lubricat. oil line |
| 16 | 0503 7276 | Lubricat. oil line | Lubricat. oil line |
| 17 | | Injection pump | |

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| CG | ETL-No. | Designation (en) | Designation (en) |
|-----------|-----------|---------------------------------|--------------------|
| 17 | 0502 9255 | Parts of fuel pump | Parts of fuel pump |
| 17 | 0502 9429 | Parts inject.pump | Parts inject.pump |
| 17 | 0503 3243 | Accessories | Accessories |
| 17 | 0503 7388 | Fuel inject. pump | Fuel inject. pump |
| 17 | 0504 2594 | Clutch/coupling | Clutch/coupling |
| 17 | 0505 0612 | Hand pump | Hand pump |
| 18 | | Injection pump drive | |
| 18 | 0503 7437 | Accessories | Accessories |
| 18 | 0503 7520 | Timing device | Timing device |
| 19 | | Injector | |
| 19 | 0502 9150 | Parts of injector | Parts of injector |
| 19 | 0503 3335 | Fuel injector | Fuel injector |
| 20 | | Fuel filter | |
| 20 | 0500 2550 | Fuel prefilter | Fuel prefilter |
| 20 | 0500 3942 | Fuel duplex filter | Fuel duplex filter |
| 20 | 0502 3619 | Accessories | Accessories |
| 20 | 0503 1129 | Fuel line | Fuel line |
| 20 | 0503 3289 | Fuel line | Fuel line |
| 21 | | Fuel pipes/fuel tank | |
| 21 | 0500 2068 | Accessories | Accessories |
| 21 | 0501 9204 | Leak off line | Leak off line |
| 21 | 0503 1212 | Leak off line | Leak off line |
| 21 | 0503 4126 | Fastenings | Fastenings |
| 21 | 0505 0683 | High pressure pipe | High pressure pipe |
| 22 | | Suction pipe/air cleaner | |
| 22 | 0500 4831 | Rubber dust exclud | Rubber dust exclud |
| 22 | 0500 4832 | Transfer pipe | Transfer pipe |
| 22 | 0500 4833 | Elbow connector | Elbow connector |
| 22 | 0502 1019 | Reducer | Reducer |
| 22 | 0502 1021 | Transfer pipe | Transfer pipe |
| 22 | 0502 1022 | Protecting cap | Protecting cap |
| 22 | 0502 1332 | Bracket | Bracket |
| 22 | 0503 1268 | Air filter | Air filter |
| 22 | 0503 7038 | Suction pipe | Suction pipe |
| 22 | 0503 7039 | Suction pipe | Suction pipe |
| 22 | 0505 0617 | Maint indicator | Maint indicator |
| 22 | 0505 1061 | Elbow connector | Elbow connector |
| 26 | | Heater plug installation | |
| 26 | 0503 3186 | Blanking parts | Blanking parts |
| 29 | | Control linkage | |
| 29 | 0503 7463 | Speed adjustment | Speed adjustment |
| 29 | 0505 0676 | Speed adjustment | Speed adjustment |
| 33 | | Air compressor | |
| 33 | 0500 2208 | Blanking parts | Blanking parts |
| 39 | | Cooling air blower | |
| 39 | 0500 5097 | Fastenings | Fastenings |
| 39 | 0500 5781 | Intermediate shaft | Intermediate shaft |
| 39 | 0503 2087 | Accessories | Accessories |
| 39 | 0503 2138 | Bypass line | Bypass line |
| 39 | 0503 2639 | Cooling fan | Cooling fan |

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|-----------|-----------|---------------------------------|--------------------|
| 39 | 0503 3048 | Blower drive | Blower drive |
| 39 | 0503 7398 | Support | Support |
| 39 | 0503 7438 | Blower drive | Blower drive |
| 39 | 0505 1438 | Gear transmission | Gear transmission |
| 40 | | Cooling air ducting | |
| 40 | 0500 4711 | Cool. air cowling | Cool. air cowling |
| 40 | 0502 0709 | Cool. air cowling | Cool. air cowling |
| 40 | 0502 2572 | Cool. air cowling | Cool. air cowling |
| 40 | 0502 3543 | Air guide hood | Air guide hood |
| 40 | 0502 3544 | Air guide hood | Air guide hood |
| 40 | 0502 3545 | Air guide hood | Air guide hood |
| 40 | 0503 2089 | Cool. air cowling | Cool. air cowling |
| 40 | 0504 2558 | Cool. air cowling | Cool. air cowling |
| 40 | 0505 1856 | Cool. air cowling | Cool. air cowling |
| 41 | | Exhaust manifold | |
| 41 | 0502 3485 | Cooling air baffle | Cooling air baffle |
| 41 | 0503 4165 | Fastenings | Fastenings |
| 41 | 0503 7452 | Exhaust pipe | Exhaust pipe |
| 41 | 0503 7453 | Exhaust pipe | Exhaust pipe |
| 41 | 0503 7589 | Exhaust silencer | Exhaust silencer |
| 41 | 0504 2567 | Exhaust manifold | Exhaust manifold |
| 41 | 0504 2924 | Corrugated tube | Corrugated tube |
| 43 | | Turbocharger | |
| 43 | 0502 9241 | Parts turbocharger | Parts turbocharger |
| 43 | 0503 7155 | Panelling | Panelling |
| 43 | 0504 2543 | Turbocharger | Turbocharger |
| 44 | | Alternator/starter motor | |
| 44 | 0502 1430 | Plug | Plug |
| 44 | 0502 8936 | Parts of alternat. | Parts of alternat. |
| 44 | 0502 9398 | Parts start.motor | Parts start.motor |
| 44 | 0503 0936 | Generator | Generator |
| 44 | 0503 7286 | Cap | Cap |
| 44 | 0505 0189 | Starter | Starter |
| 44 | 0505 0679 | Accessories | Accessories |
| 46 | | Engine mounting, rigid | |
| 46 | 0500 2404 | Engine mounting | Engine mounting |
| 48 | | Electrical accessories | |
| 48 | 0503 3040 | Plug connection | Plug connection |
| 48 | 0503 3183 | Fastenings | Fastenings |
| 48 | 0503 3184 | Fastenings | Fastenings |
| 48 | 0504 2498 | Oil pressur.switch | Oil pressur.switch |
| 48 | 0504 2630 | Cable harness | Cable harness |
| 48 | 0504 2855 | Indicator light | Indicator light |
| 48 | 0505 1116 | Electr.accessories | Electr.accessories |
| 51 | | Measuring instruments | |
| 51 | 0500 2427 | Drive | Drive |
| 51 | 0500 2428 | Tachometer | Tachometer |
| 51 | 0500 2553 | Indicator light | Indicator light |
| 51 | 0503 2408 | Elapsed-hour meter | Elapsed-hour meter |
| 51 | 0503 7836 | Accessories | Accessories |
| 51 | 0505 0090 | Switching device | Switching device |

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| 51 | 0505 0734 | Temper.transmitter | Temper.transmitter |
| 52 | | Clutch | |
| 52 | 0503 7489 | Connection housing | Connection housing |
| 56 | | Engine shutdown | |
| 56 | 0503 7295 | Shutdown device | Shutdown device |
| 56 | 0505 1115 | Solenoid | Solenoid |

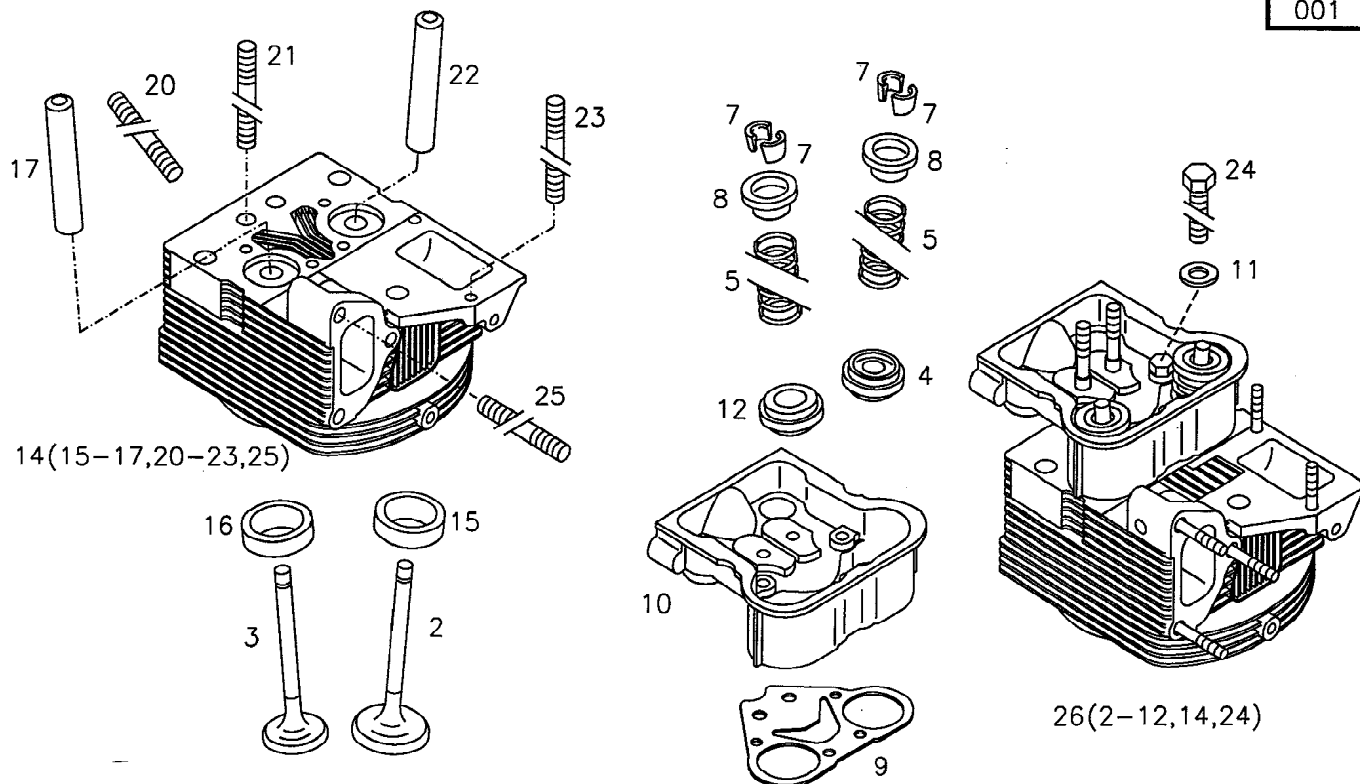
ETL no.: 0504 2999 Cylinder head

Constr. Group: 08

Equipment: 00007489591
Output: 0000248,0 kW
ETL scope: EU024234

Engine type: BF12L 513
Speed: 1800 1/min

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0504 2999

| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|--------------------|--------------------|-----------------------------------|
| 2 | 02425052 | | 90 | 90 | 1 | ST | | Inlet valve | Inlet valve | |
| 3 | 02148907 | | 90 | 90 | 1 | ST | | Exhaust valve | Exhaust valve | |
| 4 | 02422975 | | | | 1 | ST | | Valve rotator | Valve rotator | |
| 5 | 04189571 | | | | 2 | ST | | Compression spring | Compression spring | |
| 7 | 01168818 | | | | 4 | ST | | Taper collet piece | Taper collet piece | |
| 8 | 04143508 | | | | 2 | ST | | Spring cap | Spring cap | |
| 9 | 04184091 | Kit ! | | | 1 | ST | | Gasket | Gasket | |
| 10 | 02418660 | | | | 1 | ST | | Valve mechan. cas. | Valve mechan. cas. | |
| 11 | 01107101 | | 20 | 20 | 4 | ST | | Plain washer | Plain washer | |
| 12 | 02422593 | | | | 1 | ST | | Filler | Filler | |
| 14 | 02427794 | | 20 | 20 | 1 | ST | | Cylinder head | Cylinder head | WITH ITEM.... (15-17,20-23,25) |
| 15 | 02427782 | | | | 1 | ST | | Valve seat insert | Valve seat insert | F.EINLASS |
| 16 | 02421294 | | | | 1 | ST | | Valve seat insert | Valve seat insert | F. AUSLASS |
| 17 | 04147327 | | | | 1 | ST | | Valve guide | Valve guide | F.AUSLASS |
| 20 | 01103347 | | 90 | 90 | 1 | ST | | Stud | Stud | |
| 21 | 01123683 | | 20 | 20 | 2 | ST | | Stud | Stud | |
| 22 | 04147322 | | | | 1 | ST | | Valve guide | Valve guide | F.EINLASS |
| 23 | 01137214 | | 20 | 20 | 2 | ST | | Stud | Stud | |
| 24 | 01130724 | | 90 | 90 | 4 | ST | | Hexagon bolt | Hexagon bolt | |
| 25 | 02143324 | | | | 3 | ST | | Stud | Stud | |
| 26 | 02427793 | Kit ! | 20 | 20 | 1 | ST | | Cylinder head | Cylinder head | WITH ITEM.... (2-12,14,24) |

ETL no.: 0504 2999 Cylinder head

Constr. Group: 08

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| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|-------|-------|------|-----|-------------------|-------------------|--|
| 950 | 04147328 | | | 1 | ST | | Valve guide | Valve guide | F.AUSLASS 1.STUFE 16,25MM RD |
| 951 | 04147329 | | | 1 | ST | | Valve guide | Valve guide | F.AUSLASS 2.STUFE 16,50MM RD |
| 952 | 04147323 | | | 1 | ST | | Valve guide | Valve guide | F.EINLASS 1.STUFE 16,25MM RD |
| 953 | 04147324 | | | 1 | ST | | Valve guide | Valve guide | F.EINLASS 2.STUFE 16,50MM RD |
| 954 | 02427783 | | | 1 | ST | | Valve seat insert | Valve seat insert | F.EINLASS 1.STUFE 56,28MM RD |
| 955 | 02427784 | | | 1 | ST | | Valve seat insert | Valve seat insert | F.EINLASS 2.STUFE 56,38MM RD |
| 956 | 04149778 | | | 1 | ST | | Valve seat insert | Valve seat insert | F.AUSLASS 1.STUFE 49,28MM RD |
| 957 | 04149779 | | | 1 | ST | | Valve seat insert | Valve seat insert | F.AUSLASS 2.STUFE 49,38MM RD 0125-51-0503 2941 |