

Equipment information

Equipment: 00006120385
Type: BA12M 816
Output: 0000000,0 kW
Speed: 0000 1/min
Build date: 01.09.1981
KLU-Number:
ETL scope: EU154377
MVS: 091

VKU date: 01.09.1981

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:

Catalogue

WÄRTSILÄ **D816**

BA12M816 D6120385



| Document | Catalogue |
|-----------------|------------------|
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| Engine type | BA12M816 |
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|-------------------|----------|
| Engine no. | D6120385 |
|-------------------|----------|

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| Document file no. | D6120385 |
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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 (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: D6120385 **Engine type** BA12M816

| CG | ETL-No. | Designation (en) |
|-----------|----------------|-------------------------|
| 1 | | Crankcase |
| 1 | 05018406 | Oil line |
| 1 | 05018413 | Rear end cover |
| 1 | 05018418 | Front cover |
| 1 | 05018438 | Oil filler |
| 1 | 05018452 | Suspension eye |
| 1 | 05018641 | Crankcase |
| 1 | 05019315 | Breather pipe |
| 1 | 05019321 | Breather |
| 1 | 05019344 | Wet air cleaner |
| 1 | 05031987 | Cover |
| 2 | | Oil pan |
| 2 | 05018511 | Oil pan |
| 2 | 05019347 | Dipstick |
| 5 | | Crankshaft |
| 5 | 05018408 | Damper |
| 5 | 05018409 | Fastenings |
| 5 | 05018486 | Crankshaft |
| 5 | 05038851 | Flywheel |
| 6 | | Connecting rod |
| 6 | 05018410 | Connecting rod |
| 7 | | Piston |
| 7 | 05018940 | Piston |
| 8 | | Cylinder head |
| 8 | 05018638 | Fastenings |
| 8 | 05038899 | Cylinder head |
| 10 | | Camshaft |
| 10 | 05019341 | Gear train |
| 11 | | Timing gears |
| 11 | 05018415 | Valve drive |
| 14 | | Lube oil pump |
| 14 | 05018400 | Lubricat. oil pump |
| 14 | 05018457 | Valve seat lubric. |
| 14 | 05018530 | Suction pipe |
| 15 | | Lube oil/-cooler |
| 15 | 05018447 | Fastenings |
| 15 | 05018605 | Lubric. oil filter |
| 15 | 05031339 | Oil cooler |

Equipment: D6120385 **Engine type** BA12M816

| CG | ETL-No. | Designation (en) |
|-----------|----------------|---------------------------------|
| 16 | | Oil pipes |
| 16 | 05018494 | Piston cooling |
| 16 | 05018513 | Suction pipe |
| 16 | 05018528 | Pressure oil line |
| 16 | 05018529 | Disch./drain pipe |
| 16 | 05018650 | Semi-rotary pump |
| 16 | 05019371 | Lubricat. oil line |
| 17 | | Injection pump |
| 17 | 05019397 | Connection |
| 17 | 05027066 | Parts of fuel pump |
| 17 | 05027067 | Parts of governor |
| 17 | 05029111 | Parts of fuel pump |
| 17 | 05029112 | Parts inject.pump |
| 17 | 05031548 | Fuel inject. pump |
| 17 | 05031669 | Clutch/coupling |
| 18 | | Injection pump drive |
| 18 | 05018419 | Inject. pump drive |
| 19 | | Injector |
| 19 | 05029151 | Parts of injector |
| 19 | 05031886 | Fuel injector |
| 20 | | Fuel filter |
| 20 | 05018585 | Fuel duplex filter |
| 20 | 05018949 | Hose assembly |
| 20 | 05031620 | Fuel duplex filter |
| 21 | | Fuel pipes/fuel tank |
| 21 | 05018488 | Leak off line |
| 21 | 05018492 | Hose assembly |
| 21 | 05018493 | Accessories |
| 21 | 05018583 | High pressure pipe |
| 21 | 05018592 | Hose assembly |
| 21 | 05019363 | Drain line |
| 21 | 05019364 | Fastening clip |
| 21 | 05031700 | Fuel line |
| 22 | | Suction pipe/air cleaner |
| 22 | 05018574 | Bypass line |
| 22 | 05018575 | Bypass line |
| 22 | 05031533 | Charge air elbow |
| 22 | 05031537 | Charge air pipe |
| 22 | 05031538 | Charge air pipe |
| 22 | 05031582 | Intake elbow |

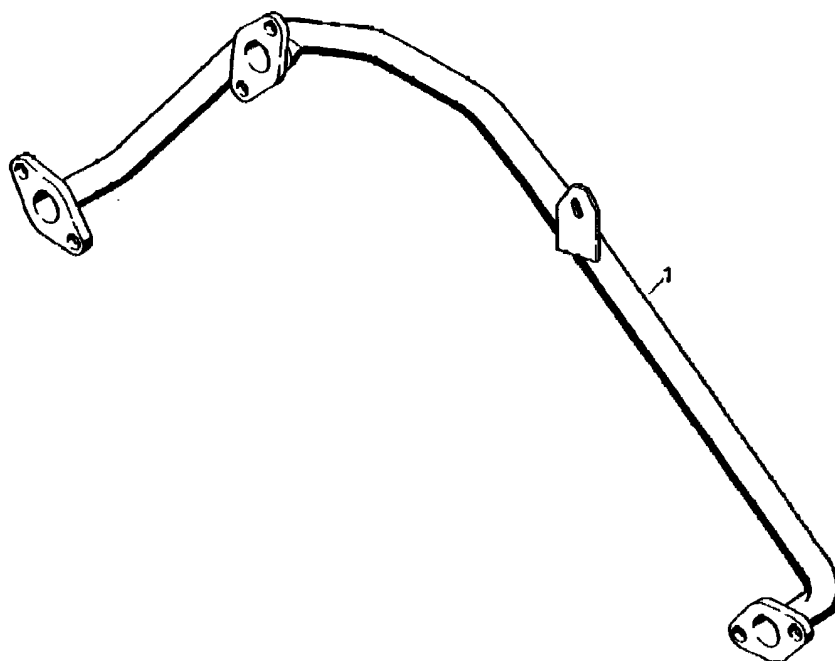
Equipment: D6120385 **Engine type** BA12M816

| CG | ETL-No. | Designation (en) |
|-----------|----------------|---------------------------------|
| 26 | | Heater plug installation |
| 26 | 05031989 | Heater system |
| 29 | | Control linkage |
| 29 | 05018721 | Control unit |
| 29 | 05018725 | Accessories |
| 34 | | Vibration damper |
| 34 | 05038978 | Auxiliary drive |
| 37 | | Cooling water pump |
| 37 | 05018709 | Fastenings |
| 37 | 05018751 | Cooling water pump |
| 37 | 05018820 | Drive |
| 38 | | Water pipes |
| 38 | 05018458 | Cooling water line |
| 38 | 05018631 | Cooling water line |
| 38 | 05018946 | Cooling water line |
| 38 | 05019385 | Cooling water line |
| 38 | 05031325 | Breather line |
| 38 | 05031368 | Cooling water line |
| 41 | | Exhaust manifold |
| 41 | 05018416 | Expansion joint |
| 41 | 05018461 | Support |
| 41 | 05018590 | Exhaust pipe |
| 41 | 05018720 | Exm manifold ins |
| 41 | 05018846 | Exhaust manifold |
| 41 | 05031388 | Hood |
| 43 | | Turbocharger |
| 43 | 05018640 | Hood |
| 43 | 05031383 | Turbocharger |
| 44 | | Alternator/starter motor |
| 44 | 05018454 | Starter |
| 44 | 05018738 | Generator |
| 44 | 05028969 | Parts of alternat. |
| 44 | 05028971 | Parts start.motor |
| 44 | 05031310 | Bracket |
| 46 | | Engine mounting, rigid |
| 46 | 05018749 | Engine mounting |

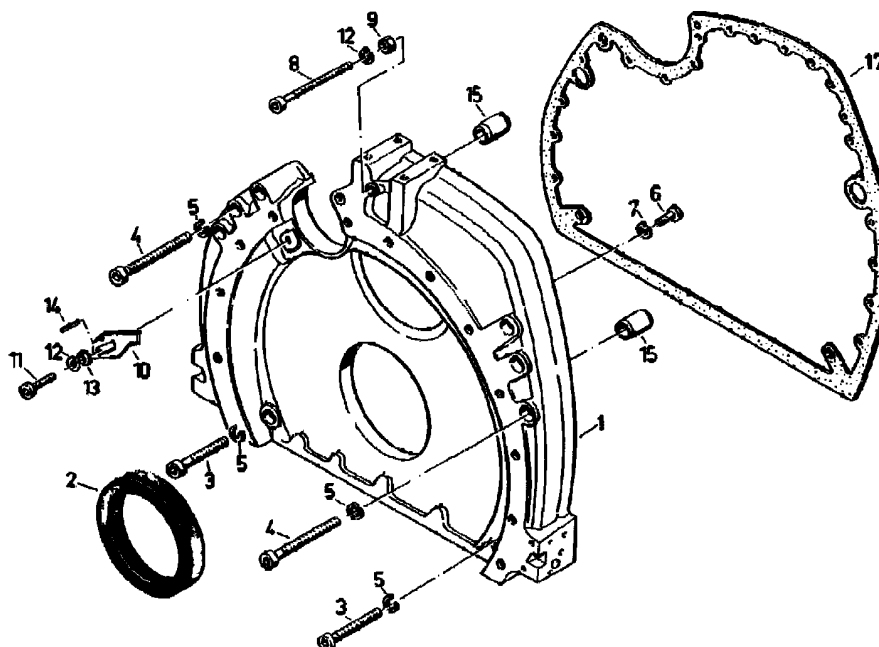
Equipment: D6120385 **Engine type** BA12M816

| CG | ETL-No. | Designation (en) |
|-----------|----------------|-------------------------------|
| 48 | | Electrical accessories |
| 48 | 05018741 | Regulator cut-out |
| 48 | 05018951 | Pushbutton |
| 48 | 05031676 | Indicator light |
| 48 | 05031677 | Incandescent lamp |
| 51 | | Measuring instruments |
| 51 | 05018456 | Tacho drive |
| 56 | | Engine shutdown |
| 56 | 05029149 | Solenoid |
| 56 | 05038859 | Stopping equipment |
| 57 | | V-belt guard |
| 57 | 05018659 | Protection hood |
| 57 | 05019325 | Cover |
| 57 | 05031628 | Protection hood |
| 63 | | Starting aid |
| 63 | 05018472 | Preheater |

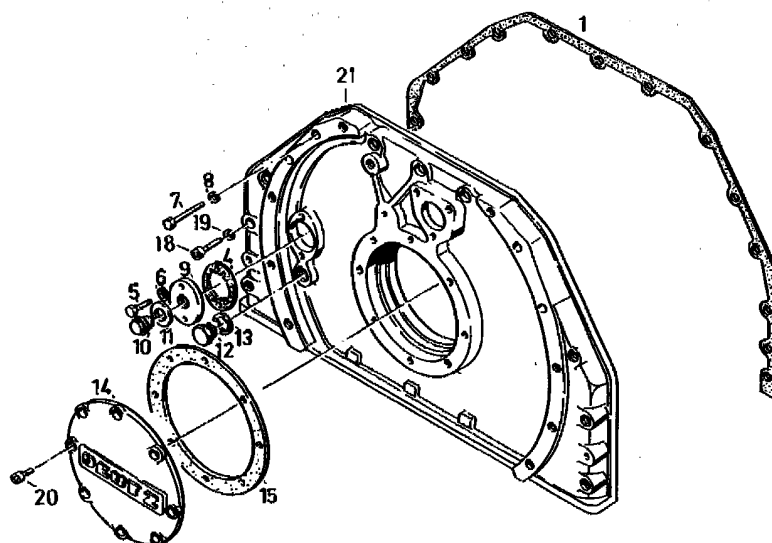
ETL no.: 05018406 Oil line
Equipment: D6120385

Constr. Group: 1
Engine type: BA12M816

0501 8406

| Item | Partno | Quantity | UnitOrd | Designation (en) | Remark |
|------|----------|----------|---------|------------------|--------|
| 01 | 02154353 | 1 | ST | Oil line | |

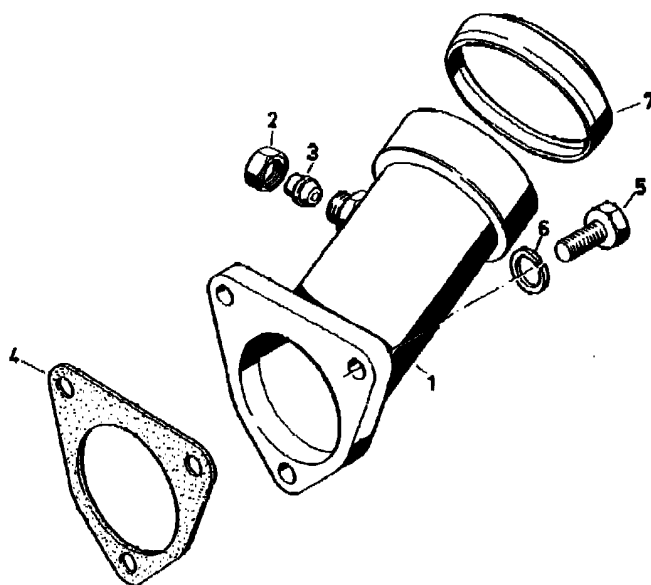
ETL no.: 05018413 Rear end cover
Constr. Group: 1
Equipment: D6120385
Engine type: BA12M816

0501 8413

| Item | Partno | Quantity | UnitOrd | Designation (en) | Remark |
|------|----------|----------|---------|--------------------|--------|
| 01 | 02158175 | 1 | ST | Cover | |
| 02 | 12210682 | 1 | ST | Rot.shaft lip seal | |
| 03 | 01110789 | 2 | ST | Cheese head screw | |
| 04 | 01110794 | 6 | ST | Cheese head screw | |
| 05 | 01119614 | 8 | ST | Lock washer | |
| 06 | 01112333 | 10 | ST | Hexagon bolt | |
| 07 | 01102799 | 12 | ST | Lock washer | |
| 08 | 01110630 | 2 | ST | Cheese head screw | |
| 09 | 01112824 | 2 | ST | Hexagon nut | |
| 10 | 03374643 | 1 | ST | Pointer | |
| 11 | 01102193 | 1 | ST | Cheese head screw | |
| 12 | 01119610 | 3 | ST | Lock washer | |
| 13 | 01107101 | 1 | ST | Plain washer | |
| 14 | 01115312 | 1 | ST | Notched nail | |
| 15 | 03373094 | 2 | ST | Dowel bush | |
| 17 | 03374644 | 1 | ST | Gasket | |

ETL no.: 05018418 Front cover
Constr. Group: 1
Equipment: D6120385
Engine type: BA12M816
2/80

0501 8418

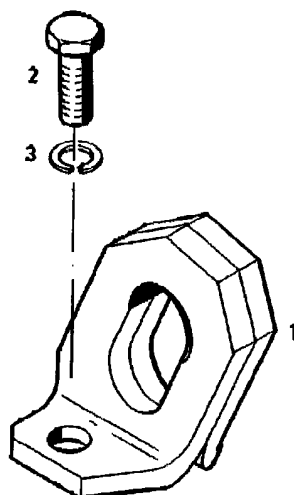
| Item | Partno | Quantity | UnitOrd | Designation (en) | Remark |
|------|----------|----------|---------|-------------------|--------|
| 01 | 03374587 | 1 | ST | Gasket | |
| 04 | 03373073 | 1 | ST | Gasket | |
| 05 | 01112326 | 2 | ST | Hexagon bolt | |
| 06 | 01102799 | 2 | ST | Lock washer | |
| 07 | 01111179 | 2 | ST | Hexagon bolt | |
| 08 | 01102799 | 2 | ST | Lock washer | |
| 09 | 03373155 | 1 | ST | Cover | |
| 10 | 01118980 | 1 | ST | Screw plug | |
| 11 | 01118737 | 1 | ST | Sealing ring | |
| 12 | 01118989 | 1 | ST | Screw plug | |
| 13 | 01118783 | 1 | ST | Sealing ring | |
| 14 | 03374615 | 1 | ST | Cover | |
| 15 | 03374612 | 1 | ST | Gasket | |
| 18 | 01101405 | 9 | ST | Cheese head screw | |
| 19 | 01119611 | 9 | ST | Lock washer | |
| 20 | 01102193 | 8 | ST | Cheese head screw | |
| 21 | 02151082 | 1 | ST | Front cover | |

ETL no.: 05018438 Oil filler
Equipment: D6120385

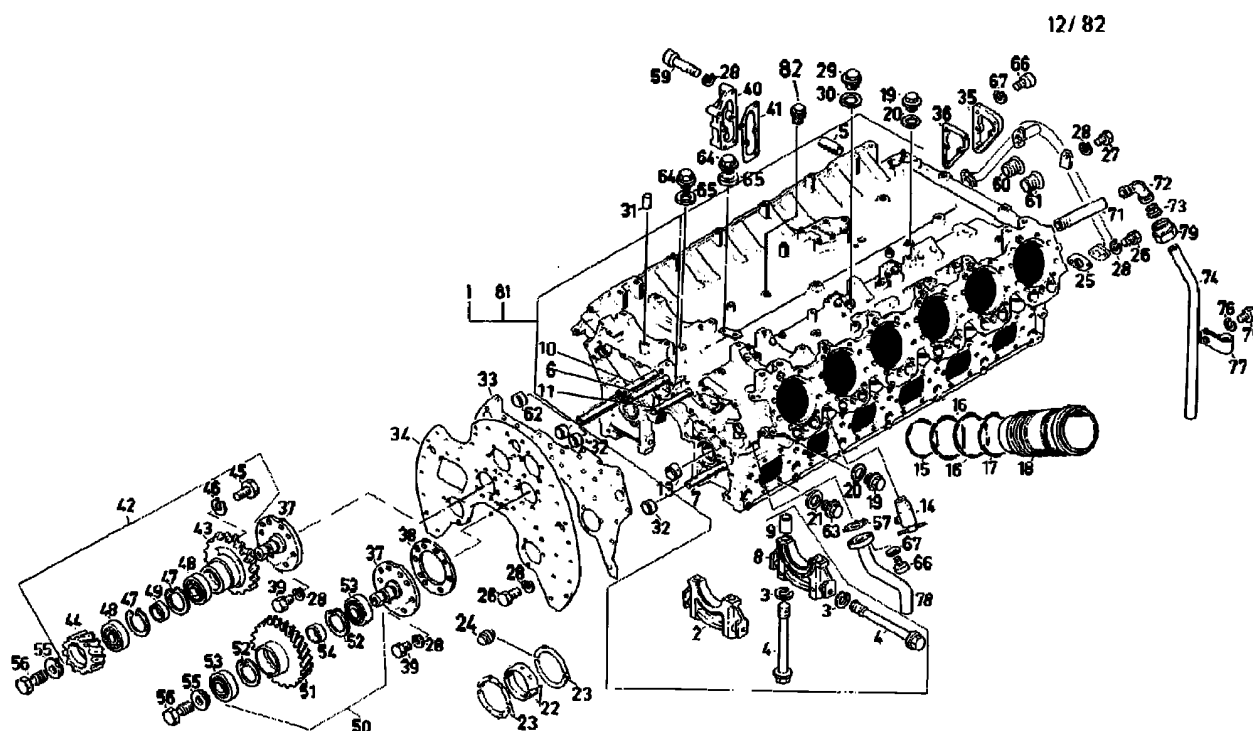
Constr. Group: 1
Engine type: BA12M816

0501 8438

| Item | Partno | Quantity | UnitOrd | Designation (en) | Remark |
|------|----------|----------|---------|------------------|--------|
| 01 | 02152307 | 1 | ST | Oil filler neck | |
| 02 | 01119038 | 1 | ST | Union nut | |
| 03 | 01216515 | 1 | ST | Blank cone | |
| 04 | 03374613 | 1 | ST | Gasket | |
| 05 | 01112407 | 3 | ST | Hexagon bolt | |
| 06 | 01102800 | 3 | ST | Lock washer | |
| 07 | 03368914 | 1 | ST | Cover | |

ETL no.: 05018452 Suspension eye
Equipment: D6120385

Constr. Group: 1
Engine type: BA12M816

0501 8452

| Item | Partno | Quantity | UnitOrd | Designation (en) | Remark |
|------|----------|----------|---------|------------------|--------|
| 01 | 02156749 | 1 | ST | Suspension eye | |
| 02 | 01114307 | 2 | ST | Hexagon bolt | |
| 03 | 01102804 | 2 | ST | Lock washer | |

ETL no.: 05018641 Crankcase
Constr. Group: 1
Equipment: D6120385
Engine type: BA12M816

0501 8641

| Item | Partno | Quantity | UnitOrd | Designation (en) | Remark |
|------|----------|----------|---------|------------------|--|
| 01 | 04001162 | 1 | ST | Crankcase | BIS MOT.-NR.6445687 AB MOT.-NR.6445688 POS.81 |
| 02 | 02153496 | 6 | ST | Bearing cap | |
| 03 | 01216105 | 28 | ST | Plain washer | |
| 04 | 01215915 | 28 | ST | Hexagon bolt | |
| 05 | 02159339 | 1 | ST | Oil pipe | |
| 06 | 04000215 | 1 | ST | Oil pipe | |
| 07 | 03374606 | 2 | ST | Oil pipe | |
| 08 | 02153494 | 1 | ST | Bearing cap | |
| 09 | 03373086 | 14 | ST | Dowel bush | |
| 10 | 02158628 | 1 | ST | Oil pipe | |
| 11 | 02158627 | 1 | ST | Oil pipe | |
| 13 | 04001175 | 13 | ST | Bearing bush | |
| 14 | 01120690 | 2 | ST | Drain valve | |
| 15 | 01162684 | 12 | ST | O-seal | |
| 16 | 01212716 | 24 | ST | O-seal | |
| 17 | 01178454 | 12 | ST | O-seal | |
| 18 | 04001561 | 12 | ST | Cylinder liner | NORMAL H.12,1MM(0,476379I N) REP.STUFE POS.959 |
| 19 | 01118997 | 14 | ST | Screw plug | |
| 20 | 01118659 | 14 | ST | Sealing ring | |
| 21 | 01118700 | 2 | ST | Sealing ring | |

ETL no.: 05018641 Crankcase
Constr. Group: 1
Equipment: D6120385
Engine type: BA12M816

| Item | Partno | Quantity | UnitOrd | Designation (en) | Remark |
|------|----------|----------|---------|------------------|---|
| 22 | 04003003 | 7 | SA | Main bearing | NORMAL 124,00MM RD (4,881 8IN) REP.STUFEN (POS.950-955) |
| 23 | 04003011 | 2 | KG | Stop ring | NORMAL 2,985MM (0,1175IN) REP.STUFEN (POS.956-958) |
| 24 | 03362280 | 2 | ST | Locating pin | |
| 25 | 01120794 | 3 | ST | Gasket | |
| 26 | 01112322 | 18 | ST | Hexagon bolt | |
| 27 | 01112307 | 1 | ST | Hexagon bolt | |
| 28 | 01102799 | 38 | ST | Lock washer | |
| 29 | 01118971 | 1 | ST | Screw plug | |
| 30 | 01118713 | 1 | ST | Sealing ring | |
| 31 | 01105177 | 1 | ST | Parallel pin | |
| 32 | 01165831 | 3 | ST | Core hole plug | |
| 33 | 02159474 | 1 | ST | Gasket | |
| 34 | 02159515 | 1 | ST | Plate | |
| 35 | 02159324 | 1 | ST | Cover | |
| 36 | 02159325 | 1 | ST | Gasket | |
| 37 | 02158725 | 2 | ST | Journal | |
| 38 | 02159437 | 1 | ST | Gasket | |
| 39 | 01112333 | 13 | ST | Hexagon bolt | |
| 40 | 02159366 | 1 | ST | Cover | |
| 41 | 02159348 | 1 | ST | Gasket | |
| 42 | 04000433 | 1 | ST | Idler gears | |
| 43 | 02151840 | 1 | ST | Idler gear | |
| 44 | 02151845 | 1 | ST | Idler gear | |
| 45 | 01112311 | 4 | ST | Hexagon bolt | |
| 46 | 01102799 | 4 | ST | Lock washer | |
| 47 | 01107844 | 2 | ST | Circlip | |
| 48 | 01109051 | 2 | ST | Ball bearing | BIS MOT.-NR.6646772 AB MOT.-NR.6646773 POS.96 0 |
| 49 | 04000434 | 1 | ST | Bush | |
| 50 | 04000435 | 1 | ST | Idler gear | |
| 51 | 02151844 | 1 | ST | Idler gear | |
| 52 | 01107844 | 2 | ST | Circlip | |
| 53 | 01109051 | 2 | ST | Ball bearing | BIS MOT.-NR.6646772 AB MOT.-NR.6646773 POS.96 1 |
| 54 | 04000434 | 1 | ST | Bush | |
| 55 | 04000436 | 2 | ST | Collar washer | |
| 56 | 01166837 | 2 | ST | Hexagon bolt | |
| 57 | 03308822 | 1 | ST | Gasket | |
| 59 | 01127046 | 6 | ST | Hexagon bolt | |
| 60 | 01165789 | 2 | ST | Slotted plug | |
| 61 | 01165794 | 1 | ST | Slotted plug | |
| 62 | 01165828 | 2 | ST | Core hole plug | |

ETL no.: 05018641 Crankcase
Constr. Group: 1
Equipment: D6120385
Engine type: BA12M816

| Item | Partno | Quantity | UnitOrd | Designation (en) | Remark |
|------|----------|----------|---------|-------------------|--|
| 63 | 01118964 | 2 | ST | Screw plug | |
| 64 | 01118955 | 4 | ST | Screw plug | |
| 65 | 01118673 | 4 | ST | Sealing ring | |
| 66 | 01126918 | 7 | ST | Cheese head screw | |
| 67 | 01119611 | 7 | ST | Lock washer | |
| 71 | 04004022 | 1 | ST | Tube | |
| 72 | 01116732 | 1 | ST | Socket/adaptor | |
| 73 | 01116623 | 1 | ST | Cutting ring | |
| 74 | 04004021 | 1 | ST | Tube | |
| 75 | 01126186 | 1 | ST | Hexagon bolt | |
| 76 | 01102800 | 1 | ST | Lock washer | |
| 77 | 03369462 | 1 | ST | Pipe clamp | |
| 78 | 04007426 | 1 | ST | Oil drain pipe | |
| 79 | 01116650 | 1 | ST | Union nut | |
| 81 | 04009715 | 1 | ST | Crankcase | |
| 82 | 01104736 | 1 | ST | Screw plug | |
| 950 | 04003004 | 7 | SA | Main bearing | 1,REPARATURSTUFE 123,75MMRD (4.8720IN.) |
| 951 | 04003005 | 7 | SA | Main bearing | 2,REPARATURSTUFE 123,50MMRD (4.8621IN.) |
| 952 | 04003006 | 7 | SA | Main bearing | 3,REPARATURSTUFE 123,25MMRD (4.8523IN.) |
| 953 | 04003007 | 7 | SA | Main bearing | 4,REPARATURSTUFE 123,00MMRD (4.8425IN.) |
| 954 | 04003008 | 7 | SA | Main bearing | 5,REPARATURSTUFE 122,75MMRD (4.8326IN.) |
| 955 | 04003009 | 7 | SA | Main bearing | 6,REPARATURSTUFE 122,50MMRD (4.8228IN.) |
| 956 | 04003012 | 2 | SA | Stop ring | 1,REPARATURSTUFE 3,135MM (0.1234IN.) |
| 957 | 04003013 | 2 | SA | Stop ring | 2,REPERATURSTUFE 3,285MM (0.1293IN.) |
| 958 | 04003014 | 2 | SA | Stop ring | 3,REPARATURSTUFE 3.435MM (0.1352IN.) |
| 959 | 04009718 | 1 | ST | Cylinder liner | REPARATURSTUFE H.13,1MM(0,515749IN) |
| 960 | 01174298 | 2 | ST | Ball bearing | |
| 961 | 01174298 | 2 | ST | Ball bearing | |