



Spare Parts Catalog

F 4M2011 s/n 1009619

Equipment information

Equipment: 00001009619
Type: F 4M2011
Output: 0000048,5 kW
Speed: 2800 1/min
Build date: 30.09.2004
KLU-Number: 2500 6185/70010324
ETL scope: EU531138
MVS: 414

Customer: DEUTZ Corporation
Location: Norcr. (90) Georgia
Country: USA

VKU date: 07.10.2004

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: 1

===DEUTZ WARRANTY PROGRAMME "1"===

===STANDARD WARRANTY FOR SMALL ENGINES===

WARRANTY OF 36 MONTHS FROM COMMISSIONING (IBS), MAX. 42 MONTHS FROM DELIVERY (VKU'), WHATEVER OCCURS FIRST. IN THE 1ST AND 2ND YEAR AFTER IBS, THE WARRANTY REFERS TO ALL PARTS AND COMPONENTS AND IS, IN THE 2ND YEAR AFTER IBS, RESTRICTED TO THE INDICATED NUMBER OF OPERATING HOURS (BH) (ACCUMULATED). THE WARRANTY FOR ALL COMPONENTS ENDS AT THE LATEST 30 MONTHS AFTER VKU'. THE 3RD YEAR AFTER IBS COVERS THE MAIN COMPONENTS CRANKCASE, CRANKSHAFT, CAMSHAFT, CONROD AND CYLINDER HEAD BLANK. IN THE 3RD YEAR AFTER IBS, THE WARRANTY IS RESTRICTED TO THE INDICATED NUMBER OF OPERATING HOURS (ACCUMULATED) PER SERIES. THE WARRANTY FOR THE MAIN COMPONENTS ENDS AT THE LATEST 42 MONTHS AFTER VKU'.

THE CONVERSION OF THE NUMBER OF OPERATING HOURS TO A KM-LIMITATION IS BASED ON AN ASSUMED AVERAGE VELOCITY OF 50 KM/H.

TO ENABLE OUR SUBSIDIARIES AND DEALERS IN EUROPE TO TRANSMIT THE RESPECTIVE STANDARD WARRANTY TO THE OEM'S, AN ADDITIONAL PERIOD OF 3 MONTHS AS TRANSFER TIME TO AND RETENTION TIME IN THE DEUTZ SALES ORGANISATION HAS BEEN PROVIDED FOR. FOR SUBSIDIARIES AND DEALERS OUTSIDE OF EUROPE, THE TRANSFER- AND RETENTION TIME IS 6 MONTHS. IF THE MAXIMUM TRANSFER TIME TO AND RETENTION TIME IN THE DEUTZ SALES ORGANISATION OF 3 OR 6 MONTHS IS EXCEEDED, THE WARRANTY DURATION IS ACCORDINGLY REDUCED. IT MUST BE OBSERVED THAT ENGINES STORED FOR A LONGER PERIOD OF TIME MUST BE CHECKED BY THE DEUTZ SALES ORGANISATION PRIOR TO BEING DELIVERED TO THE OEM. IT MUST BE MADE SURE THAT ONLY ENGINES IN PROPER CONDITION MEETING THE LATEST STATE OF THE ART ARE DELIVERED TO THE CUSTOMER.

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RESTRICTION OF RUNNING HOURS ENGINES

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| SERIES | 2YD YEAR FROM IBS | 3RD YEAR FROM IBS |
|--------|----------------------|----------------------|
|--------|----------------------|----------------------|

| | | |
|--------------------------------------|---------------|---------------|
| 2009, 2011, 2.9, 3.6, , , , , | MAX. 2.000 RH | MAX. 3.000 RH |
| 1013, 2012, 2013, 91X, 4.1, 6.1, 7.8 | MAX. 3.000 RH | MAX. 4.500 RH |

Equipment information

413, 513, 1015, 2015, 12.0, 16.0 MAX. 5.000 RH MAX. 7.500 RH

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Assembly group directory

Equipment: 00001009619
 Output: 0000048,5 kW
 ETL scope: EU531138

Engine type: F 4M2011
 Speed: 2800 1/min

| CG | ETL-No. | Designation (en) | Designation (en) |
|-----------|-----------|-------------------------|--------------------|
| 1 | | Crankcase | |
| 1 | 0506 9169 | Dipstick guide | Dipstick guide |
| 1 | 0506 9170 | Dipstick | Dipstick |
| 1 | 0507 9159 | Engine block | Engine block |
| 1 | 0507 9188 | Rear end cover | Rear end cover |
| 2 | | Oil pan | |
| 2 | 0506 9057 | Oil pan | Oil pan |
| 5 | | Crankshaft | |
| 5 | 0505 1752 | Power take-off | Power take-off |
| 5 | 0506 8138 | Crankshaft | Crankshaft |
| 5 | 0507 4222 | Flywheel | Flywheel |
| 5 | 0507 4230 | Accessories | Accessories |
| 6 | | Connecting rod | |
| 6 | 0507 7881 | Connecting rod | Connecting rod |
| 7 | | Piston | |
| 7 | 0507 9273 | Piston | Piston |
| 8 | | Cylinder head | |
| 8 | 0506 7612 | Filler cap | Filler cap |
| 8 | 0506 9005 | Valve mechan.cover | Valve mechan.cover |
| 8 | 0507 4224 | Fastenings | Fastenings |
| 8 | 0507 4232 | Cylinder head | Cylinder head |
| 10 | | Camshaft | |
| 10 | 0507 9021 | Fastenings | Fastenings |
| 10 | 0507 9124 | Camshaft | Camshaft |
| 10 | 0507 9185 | Camshaft drive | Camshaft drive |
| 10 | 0507 9197 | Protection hood | Protection hood |
| 11 | | Timing gears | |
| 11 | 0505 1930 | Rocker arm bracket | Rocker arm bracket |
| 11 | 0506 7617 | Valve drive | Valve drive |
| 14 | | Lube oil pump | |
| 14 | 0507 4219 | Lubricat. oil pump | Lubricat. oil pump |
| 15 | | Lube oil/-cooler | |
| 15 | 0506 4400 | Lubric. oil filter | Lubric. oil filter |
| 15 | 0507 7896 | Bracket | Bracket |
| 15 | 0507 7917 | Pilot line | Pilot line |
| 16 | | Oil pipes | |
| 16 | 0506 7624 | Press.relief valve | Press.relief valve |
| 16 | 0506 7625 | Oil suction line | Oil suction line |
| 16 | 0506 8145 | Radiator connect. | Radiator connect. |
| 17 | | Injection pump | |
| 17 | 0506 7639 | Screw plug | Screw plug |
| 17 | 0507 9204 | Fastenings | Fastenings |
| 17 | 0507 9213 | Fuel inject. pump | Fuel inject. pump |
| 19 | | Injector | |
| 19 | 0507 9013 | Fuel injector | Fuel injector |
| 20 | | Fuel filter | |
| 20 | 0506 7542 | Filter cartridge | Filter cartridge |
| 20 | 0506 8026 | Bracket | Bracket |

| | | | |
|-------------------|--------------|---------------------|------------|
| Equipment: | 00001009619 | Engine type: | F 4M2011 |
| Output: | 0000048,5 kW | Speed: | 2800 1/min |
| ETL scope: | EU531138 | | |

| CG | ETL-No. | Designation (en) | Designation (en) |
|-----------|-----------|---------------------------------|--------------------|
| 20 | 0507 9014 | Fuel supply pump | Fuel supply pump |
| 21 | | Fuel pipes/fuel tank | |
| 21 | 0507 9002 | Fuel line | Fuel line |
| 21 | 0507 9003 | Fuel line | Fuel line |
| 21 | 0507 9015 | High pressure pipe | High pressure pipe |
| 21 | 0507 9170 | Fuel filter | Fuel filter |
| 21 | 0507 9171 | Fuel line | Fuel line |
| 21 | 0507 9172 | Fuel line | Fuel line |
| 22 | | Suction pipe/air cleaner | |
| 22 | 0505 1624 | Flange | Flange |
| 22 | 0506 3419 | Blanking parts | Blanking parts |
| 22 | 0507 4094 | Suction pipe | Suction pipe |
| 27 | | Speed control | |
| 27 | 0506 7616 | Control rod | Control rod |
| 27 | 0507 7916 | Torge adapter | Torge adapter |
| 27 | 0507 9154 | Solenoid | Solenoid |
| 27 | 0507 9215 | Front cover/govern | Front cover/govern |
| 29 | | Control linkage | |
| 29 | 0507 4206 | Engine speed contr | Engine speed contr |
| 33 | | Air compressor | |
| 33 | 0507 4236 | Blanking parts | Blanking parts |
| 39 | | Cooling air blower | |
| 39 | 0506 7768 | V-grooved pulley | V-grooved pulley |
| 39 | 0506 7771 | Fastenings | Fastenings |
| 39 | 0506 7772 | Fastenings | Fastenings |
| 39 | 0506 8286 | Fan support | Fan support |
| 39 | 0506 9101 | Fastenings | Fastenings |
| 39 | 0506 9139 | Narrow v-belt | Narrow v-belt |
| 41 | | Exhaust manifold | |
| 41 | 0505 1794 | Blanking parts | Blanking parts |
| 44 | | Alternator/starter motor | |
| 44 | 0506 9189 | Cooling air baffle | Cooling air baffle |
| 44 | 0507 4199 | Starter | Starter |
| 44 | 0507 4364 | Bracket | Bracket |
| 44 | 0507 4365 | Fastenings | Fastenings |
| 44 | 0507 9132 | Generator | Generator |
| 48 | | Electrical accessories | |
| 48 | 0507 1486 | Plug-in connector | Plug-in connector |
| 51 | | Measuring instruments | |
| 51 | 0506 8119 | Pressure sensor | Pressure sensor |
| 51 | 0506 9029 | Temper.transmitter | Temper.transmitter |
| 51 | 0507 4269 | Tacho-generator | Tacho-generator |
| 52 | | Clutch | |
| 52 | 0505 1310 | Spacer ring | Spacer ring |
| 52 | 0505 1756 | Cover plate | Cover plate |
| 52 | 0507 4055 | Adapter housing | Adapter housing |
| 56 | | Engine shutdown | |
| 56 | 0507 7878 | Actuator | Actuator |
| 90 | | Set of parts | |

| | | | |
|-------------------|--------------|---------------------|------------|
| Equipment: | 00001009619 | Engine type: | F 4M2011 |
| Output: | 0000048,5 kW | Speed: | 2800 1/min |
| ETL scope: | EU531138 | | |

| CG | ETL-No. | Designation (en) | Designation (en) |
|----|-----------|--------------------|--------------------|
| 90 | 0506 8247 | Supplem.gasket set | Supplem.gasket set |
| 90 | 0507 7823 | Gasket set | Gasket set |
| 90 | 0511 9030 | Engine oil | Engine oil |
| 98 | | Optional extras | |
| 98 | 0211 2403 | Locking screw | Locking screw |
| 98 | 0417 4748 | Compression spring | Compression spring |

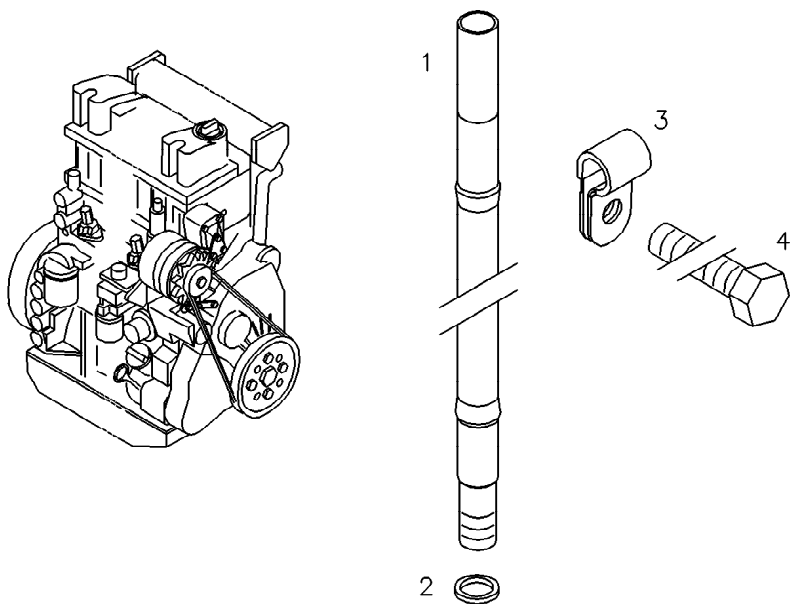
ETL no.: 0506 9169 Dipstick guide

Constr. Group: 01

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

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0506 9169

| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 04271197 | | 20 | 20 | 1 | ST | | Guide tube | Guide tube | |
| 2 | 01118693 | | | | 1 | ST | | Sealing ring | Sealing ring | |
| 3 | 01172689 | | | | 1 | ST | | Pipe clamp | Pipe clamp | |
| 4 | 01181442 | | | | 1 | ST | | Hexagon bolt | Hexagon bolt | |

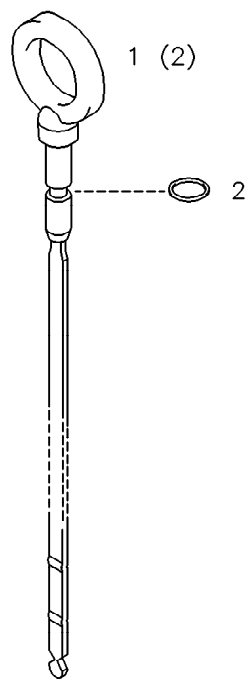
ETL no.: 0506 9170 Dipstick

Constr. Group: 01

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

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0506 9170

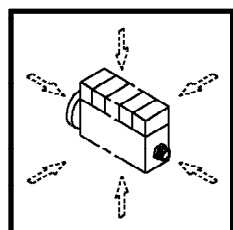
| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|-------|-------|------|-----|------------------|------------------|----------------------|
| 1 | 01180967 | Kit ! | | 1 | ST | | Dipstick | Dipstick | WITH ITEM.... (2) |
| 2 | 01165973 | Kit ! | | 1 | ST | | O-seal | O-seal | |

ETL no.: 0507 9159 Engine block

Constr. Group: 01

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



001 ©

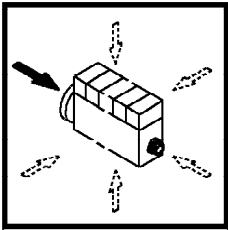
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|--------------------|--------------------|-------------------------|
| 1 | 04281940 | | | | 1 | ST | | Engine block | Engine block | WITH ITEM.... (2-19) |
| 2 | 04178155 | | | | 2 | ST | | Wrapped bear. bush | Wrapped bear. bush | |
| 3 | 04178154 | | | | 3 | ST | | Wrapped bear. bush | Wrapped bear. bush | |
| 4 | 04287999 | | | | 2 | ST | | Guide sleeve | Guide sleeve | |
| 5 | 04178741 | | | | 1 | ST | | Screw plug | Screw plug | |
| 7 | 04271453 | | | | 2 | ST | | Screw plug | Screw plug | |
| 8 | 01180891 | | | | 1 | ST | | Screw plug | Screw plug | |
| 9 | 01180889 | | | | 1 | ST | | Screw plug | Screw plug | |
| 10 | 01180887 | | | | 1 | ST | | Screw plug | Screw plug | |
| 11 | 04178218 | | | | 1 | ST | | Tube | Tube | |
| 12 | 04270312 | | | | 1 | ST | | Screw plug | Screw plug | WITH ITEM.... (40) |
| 13 | 04281325 | | | | 1 | ST | | Plug | Plug | |
| 14 | 01182090 | | | | 8 | ST | | Stud | Stud | |
| 15 | 01180888 | | | | 1 | ST | | Screw plug | Screw plug | |
| 16 | 02108134 | | | | 10 | ST | | Hexagon bolt | Hexagon bolt | |
| 17 | 03362279 | | | | 10 | ST | | Bush | Bush | |
| 18 | 04179928 | 90 | 90 | | 1 | ST | | Thermostat | Thermostat | WITH ITEM.... (19) |
| 19 | 04178238 | | | | 1 | ST | | Compression spring | Compression spring | |
| 25 | 04178452 | | | | 8 | ST | | Piston cool.nozzle | Piston cool.nozzle | |
| 26 | 01148153 | | | | 1 | ST | | Cover | Cover | |
| 27 | 01180886 | | | | 1 | ST | | Screw plug | Screw plug | |
| 28 | 01110422 | | | | 1 | ST | | Screw plug | Screw plug | |
| 29 | 01118673 | | | | 1 | ST | | Sealing ring | Sealing ring | |
| 40 | 01180446 | | | | 1 | ST | | O-seal | O-seal | |
| 189 | 01016125 | 20 | 20 | | 0,010 | KG | | Safety/lock.agent | Safety/lock.agent | |

ETL no.: 0507 9188 Rear end cover

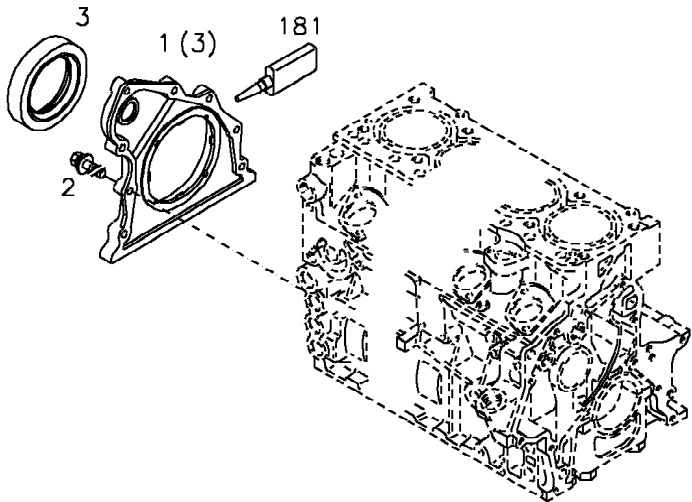
Constr. Group: 01

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



002 ©



| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|--------------------|--------------------|----------------------|
| 1 | 04287142 | | 90 | 90 | 1 | ST | | Rear end cover | Rear end cover | WITH ITEM.... (3) |
| 2 | 01176558 | | | | 8 | ST | | Hexagon bolt | Hexagon bolt | |
| 3 | 04175433 | Kit ! | | | 1 | ST | | Rot.shaft lip seal | Rot.shaft lip seal | |
| 181 | 01319909 | | | | 1 | ST | | Packing compound | Packing compound | |

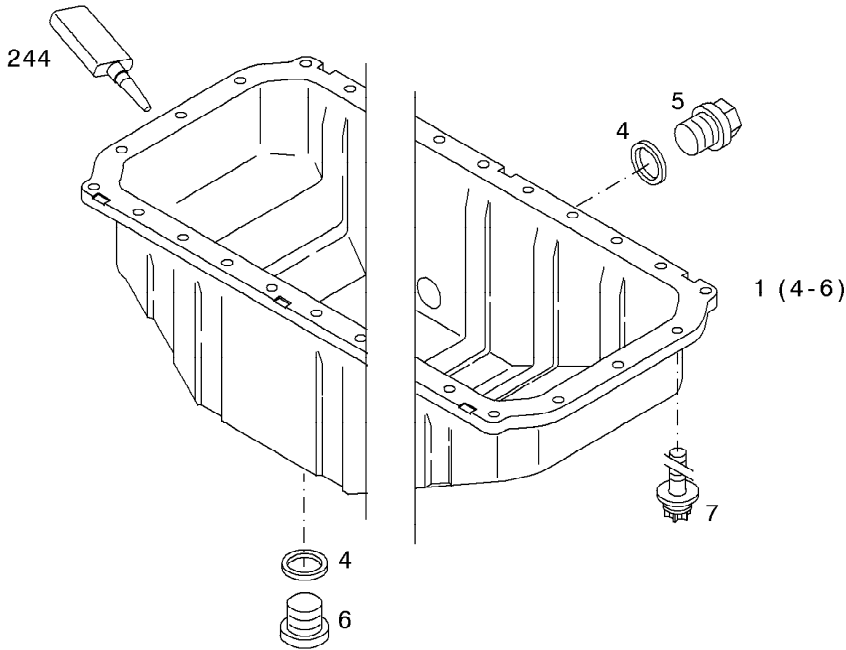
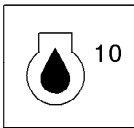
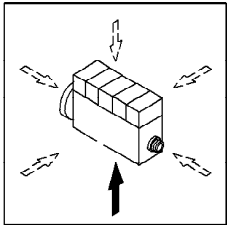
ETL no.: 0506 9057 Oil pan

Constr. Group: 02

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

003 ©



| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|-------|-------|------|-----|------------------|------------------|---|
| 1 | 02929924 | | | 1 | ST | | Oil pan | Oil pan | WITH ITEM.... (4-6) |
| 4 | 01118718 | Kit ! | | 2 | ST | | Sealing ring | Sealing ring | |
| 5 | 01133631 | | | 1 | ST | | Screw plug | Screw plug | |
| 6 | 01151441 | | | 1 | ST | | Screw plug | Screw plug | |
| 7 | 01181420 | | | 26 | ST | | Torx-head bolt | Torx-head bolt | |
| 10 | 01017932 | Kit ! | AR | 10 | L | | Engine oil | Engine oil | Material no.: only for quantity calculation |
| 244 | 01340197 | Kit ! | | 1 | ST | | Packing compound | Packing compound | |

ETL no.: 0505 1752 Power take-off Constr. Group: 05

Equipment:

Output:

ETL scope:

00001009619

0000048,5 kW

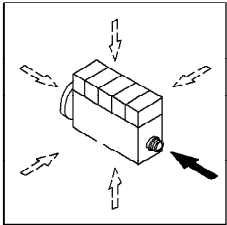
EU531138

Engine type:

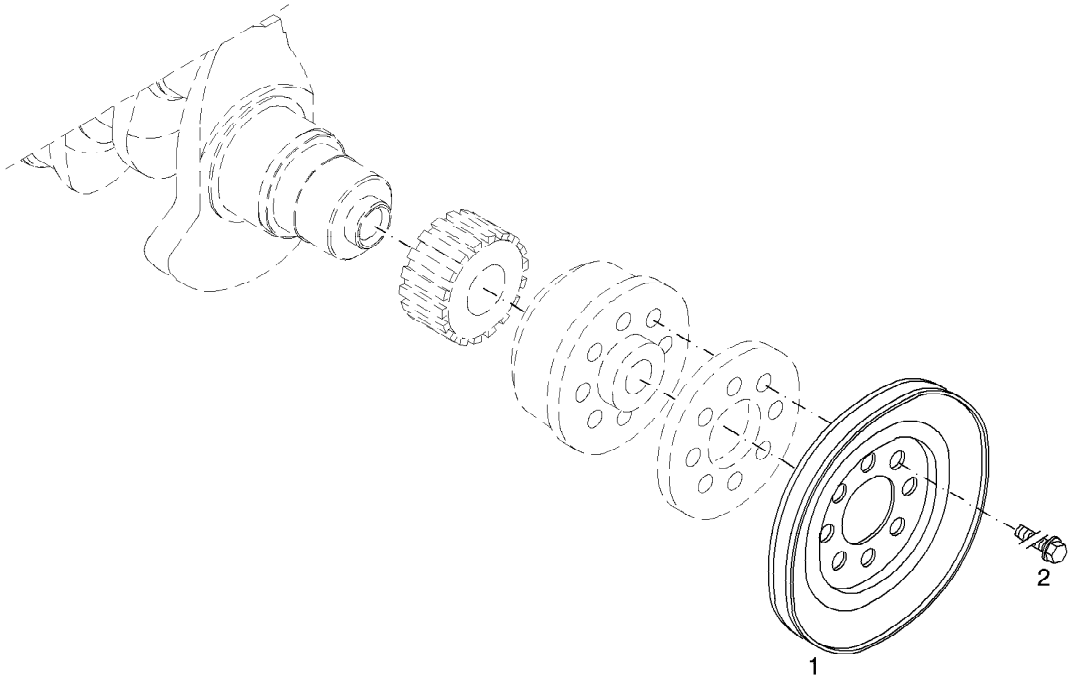
Speed:

F 4M2011

2800 1/min



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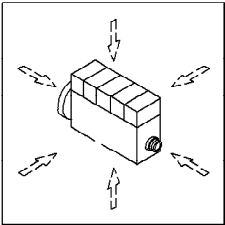
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 02108653 | | | | 1 | ST | | V-grooved pulley | V-grooved pulley | |
| 2 | 01181389 | | | | 4 | ST | | Hexagon bolt | Hexagon bolt | |

ETL no.: 0506 8138 Crankshaft

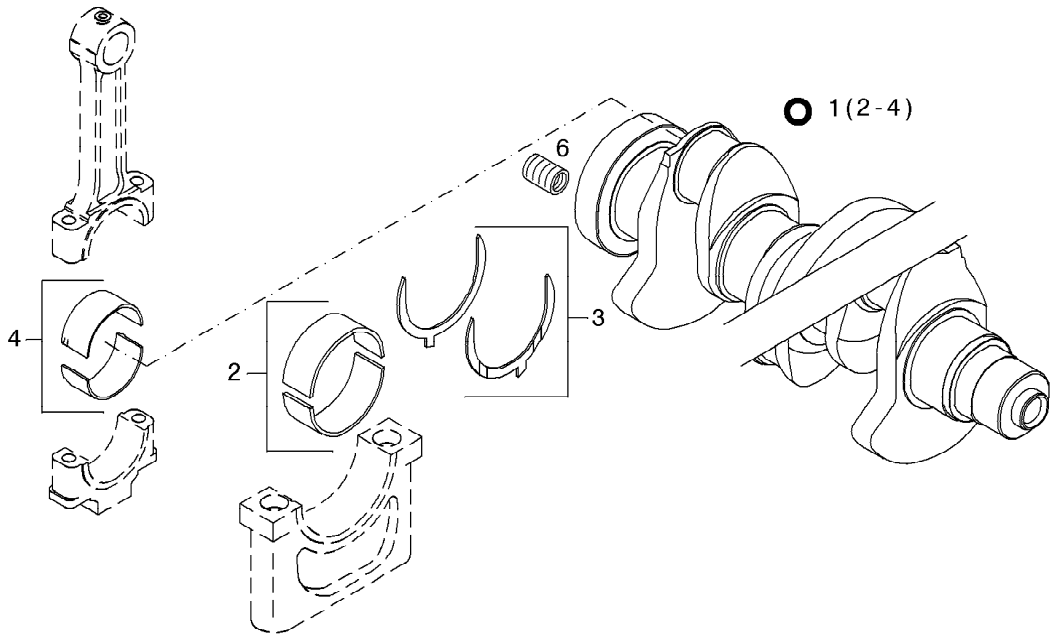
Constr. Group: 05

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|------------------|------------------|---|
| 1 | 04270236 | | | | 1 | ST | | Crankshaft | Crankshaft | SPAREPART (NEW), REMANUFACTURED PART SEE ITEM (A) COMPL. WIT H ITEM (2-4) (A) 950 |
| 2 | 04270238 | Kit ! | | | 5 | ST | | Main bearing | Main bearing | STANDARD (A)MM RD, FOR UNDERSIZE SEE ITEM (B) A 70,00 B 951,952 |
| 3 | 02928961 | Kit ! | | | 1 | ST | | Thrust washer | Thrust washer | STANDARD (A)MM, FOR OVE RSIZE SEE ITEM (B) (A) 2,4 (B) 953 |
| 4 | 04270255 | Kit ! | | | 4 | ST | | Big end bearing | Big end bearing | STANDARD (A)MM RD, FOR UNDERSIZE SEE ITEM (B) (A) 55,0 (B) 954, 955 |
| 6 | 06218864 | | | | 1 | ST | | Threaded insert | Threaded insert | |
| 950 | 02929801 | | | | AR 1 | ST | | Exch. crankshaft | Exch. crankshaft | REMANUFACTURED PART, NEW PART SEE ITEM (A) COMPL. WITH ITEM A 1 |

ETL no.: 0506 8138 Crankshaft

Constr. Group: 05

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|-------|-------|------|-----|------------------|------------------|---|
| 951 | 04270242 | | | 5 | ST | | Main bearing | Main bearing | B 951,953,954 1ST UNDERSIZE 69,75 MM RD |
| 952 | 04270247 | | | 5 | ST | | Main bearing | Main bearing | 2ND UNDERSIZE 69,50 MM RD |
| 953 | 02928962 | | | 1 | ST | | Thrust washer | Thrust washer | 1ST OVERSIZE 2,6 MM |
| 954 | 04270259 | | | 4 | ST | | Big end bearing | Big end bearing | 1ST UNDERSIZE 54,75 MM RD |
| 955 | 04270263 | | | 4 | ST | | Big end bearing | Big end bearing | 2ND UNDERSIZE 54,50 MM RD |

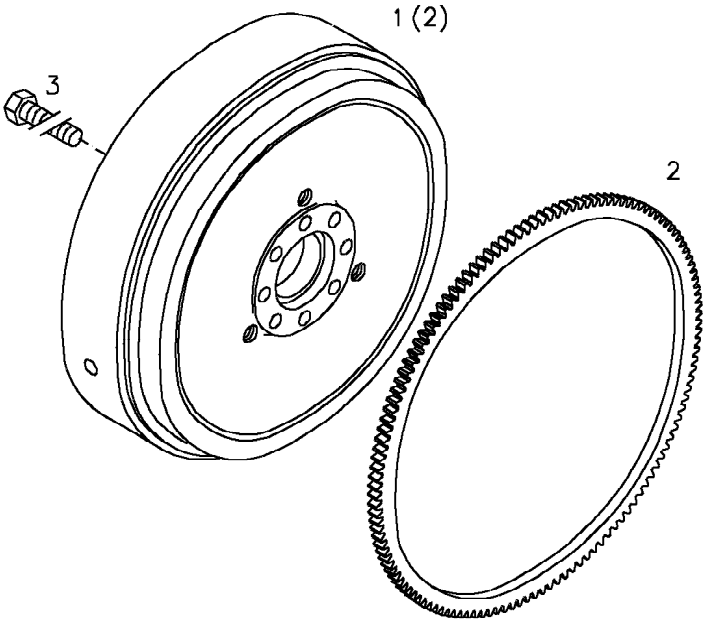
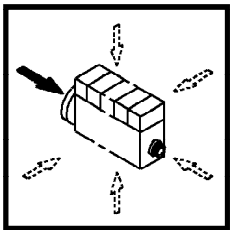
ETL no.: 0507 4222 Flywheel

Constr. Group: 05

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

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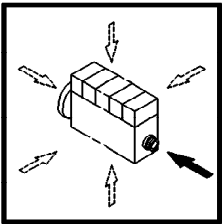
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|----------------------|
| 1 | 04280585 | | | | 1 | ST | | Flywheel | Flywheel | WITH ITEM.... (2) |
| 2 | 04272421 | | | | 1 | ST | | Gear rim | Gear rim | |
| 3 | 02109988 | | | | 8 | ST | | Screw/bolt | Screw/bolt | |

ETL no.: 0507 4230 Accessories

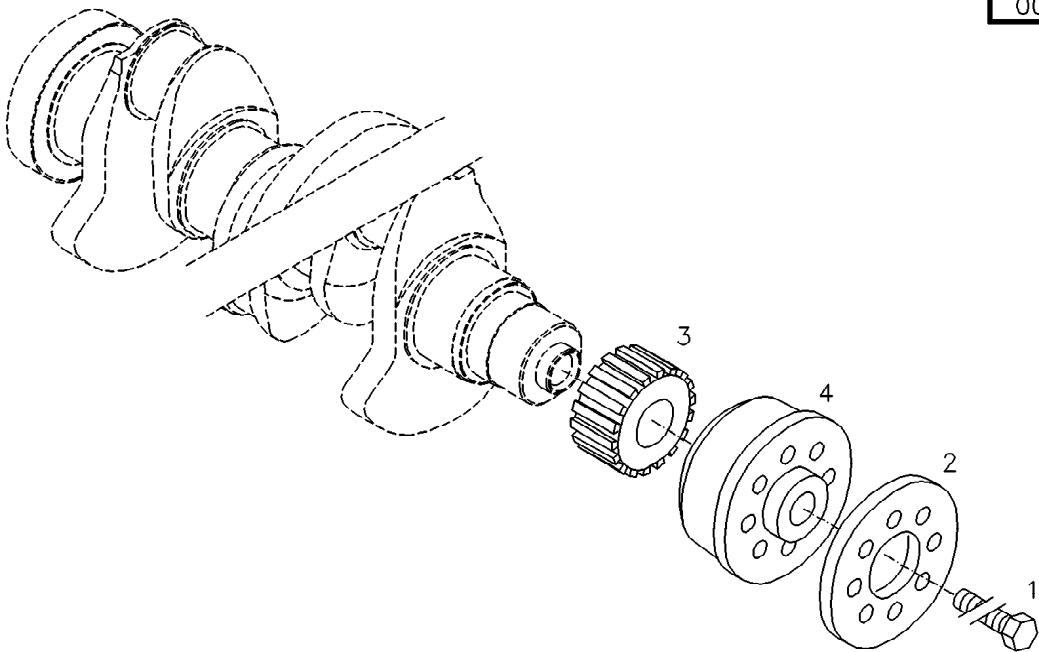
Constr. Group: 05

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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0507 4230

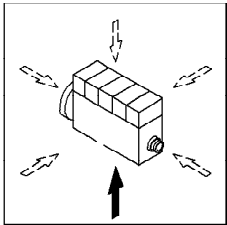
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|--------------------|--------------------|--------|
| 1 | 04272546 | 10 | 10 | 1 | ST | | | Hexagon bolt | Hexagon bolt | |
| 2 | 04280136 | | | 1 | ST | | | Lube deflector | Lube deflector | |
| 3 | 04173550 | | | 60 | 1 | ST | | Synchr.belt pulley | Synchr.belt pulley | |
| 4 | 04280116 | | | 1 | ST | | | Output flange | Output flange | |

ETL no.: 0507 7881 Connecting rod

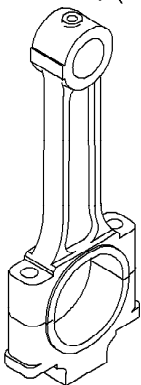
Constr. Group: 06

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

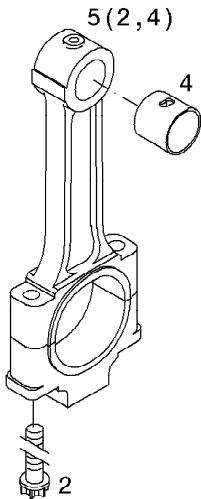
Engine type: F 4M2011
Speed: 2800 1/min



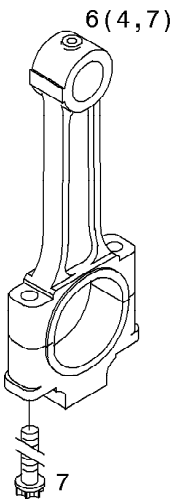
1 (2-4)



bis Baumontat:
up to month of manufacture: 10.04
jusque mois de montage:
hasta el mes de fabricacion:



bis Baumontat:
up to month of manufacture: 05.09
jusque mois de montage:
hasta el mes de fabricacion:



ab Baumontat:
from month of manufacture: 06.09
a partir mois de montage:
a partir del mes de fabricacion:

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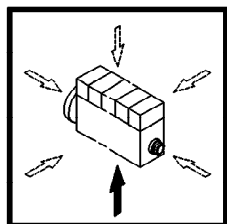
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|------------------|------------------|---|
| 1 | 04272080 | Kit ! | 90 | 90 | 1 | ST | | Connecting rod | Connecting rod | WITH ITEM.... (2,4) |
| 2 | 04280016 | | | | 2 | ST | | Big end bolt | Big end bolt | M10x1x58,5mm |
| 4 | 02108088 | | | | 1 | ST | | Big end bush | Big end bush | STANDARD (A)MM RD, FOR OVERSIZE SEE ITEM (B) A 29,06-29,10 B 953 |
| 5 | 04286649 | Kit ! | 90 | 90 | 1 | ST | | Connecting rod | Connecting rod | WITH ITEM.... (2,4) |
| 6 | 04287601 | Kit ! | | | 1 | ST | | Connecting rod | Connecting rod | WITH ITEM.... (4,7) |
| 7 | 04286942 | | | | 2 | ST | | Big end bolt | Big end bolt | M10x1x55mm |
| 953 | 02108089 | | | | 70 | ST | | Big end bush | Big end bush | OVERSIZE 29,31-29,35MM |

ETL no.: 0507 9273 Piston

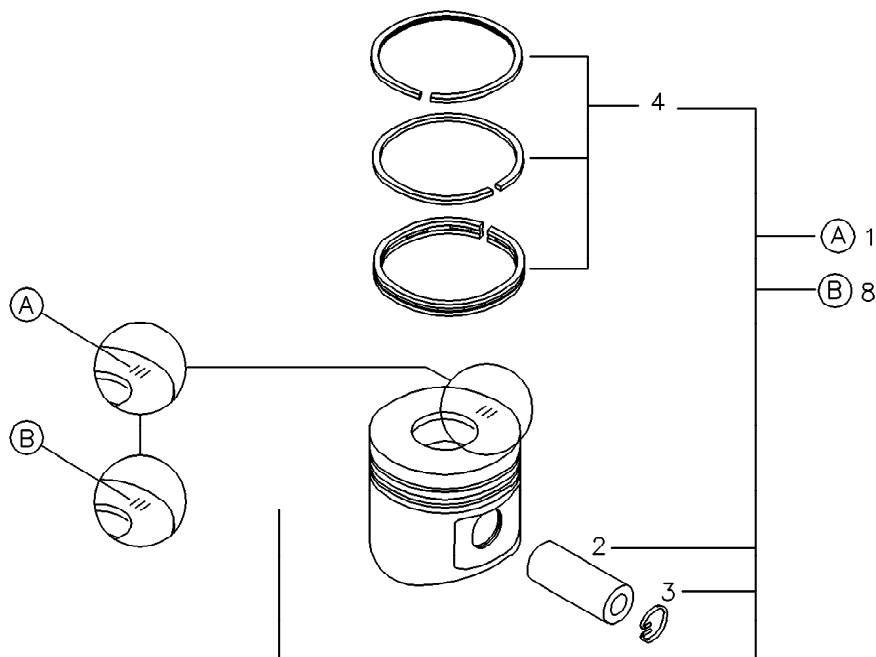
Constr. Group: 07

Equipment: 00001009619
 Output: 0000048,5 kW
 ETL scope: EU531138

Engine type: F 4M2011
 Speed: 2800 1/min



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0507 9273

| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|-------|-------|------|-----|--------------------|--------------------|---|
| 1 | 04281445 | Kit ! | | 1 | ST | | Piston | Piston | STANDARD (A)MM RD, FOR OVERSIZE SEE ITEM (B) KOMPRESSIÖSHÖHENKLASS E "A" (A)=94,0mm (B)=Pos. 950 |
| 2 | 02108066 | | | 1 | ST | | Piston pin | Piston pin | |
| 3 | 04272875 | | | 2 | ST | | Snap ring | Snap ring | |
| 4 | 04280565 | Kit ! | | 1 | ST | | Set of pist. rings | Set of pist. rings | STANDARD (A)MM RD, FOR OVERSIZE SEE ITEM (B) (B)=Pos.952 |
| 8 | 04281447 | Kit ! | | 1 | ST | | Piston | Piston | STANDARD (A)MM RD, FOR OVERSIZE SEE ITEM (B) KOMPRESSIÖSHÖHENKLASS E "B" (A)=94,0mm (B)=Pos. 951 |
| 950 | 04281451 | | | 1 | ST | | Piston | Piston | 1ST OVERSIZE (A) MM RD, STANDARD SEE ITEM (B) KOMPRESSIÖSHÖHENKLASS E "A" (A)=94,5mm (B)=Pos.001 |

ETL no.: 0507 9273 Piston

Constr. Group: 07

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

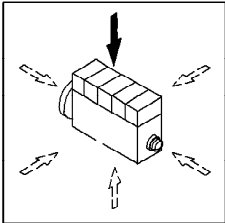
| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|-------|-------|------|-----|--------------------|--------------------|--|
| 951 | 04281453 | | | 1 | ST | | Piston | Piston | 1ST OVERSIZE (A) MM RD, STANDARD SEE ITEM (B) KOMPRESSIIONSHOEHENKLASS E "B" (A)=94,5mm (B)=Pos.008 |
| 952 | 04281113 | | | 1 | ST | | Set of pist. rings | Set of pist. rings | 1ST OVERSIZE (A) MM RD, STANDARD SEE ITEM (B) (B)=Pos.004 |

ETL no.: 0506 7612 Filler cap

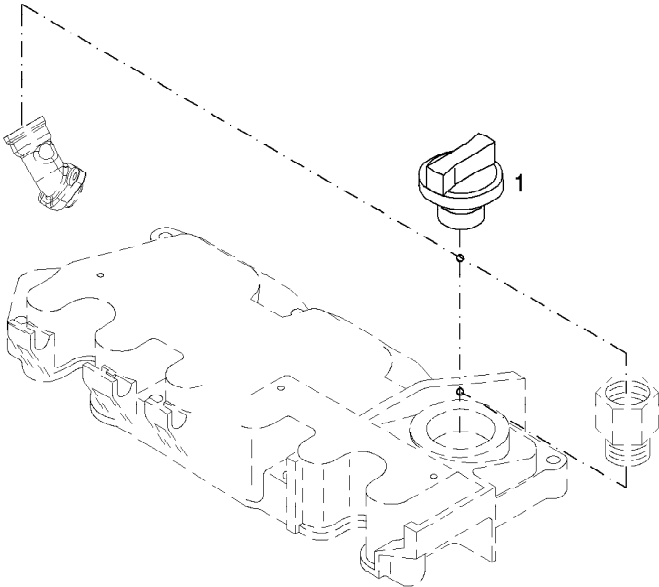
Constr. Group: 08

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



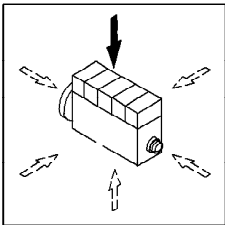
002 ©



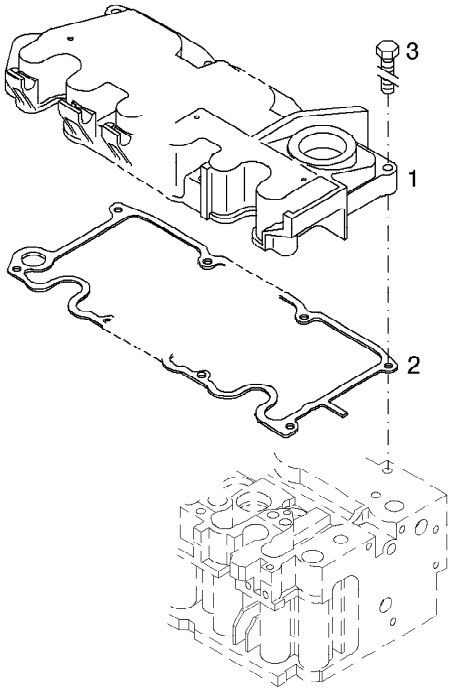
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|------|----------|-------|-------|-------|------|-----|------------------|------------------|--------|
| 1 | 04281390 | Kit ! | | 1 | ST | | Filler cap | Filler cap | |

ETL no.: 0506 9005 Valve mechan.cover Constr. Group: 08

| | | | |
|------------|--------------|--------------|------------|
| Equipment: | 00001009619 | Engine type: | F 4M2011 |
| Output: | 0000048,5 kW | Speed: | 2800 1/min |
| ETL scope: | EU531138 | | |



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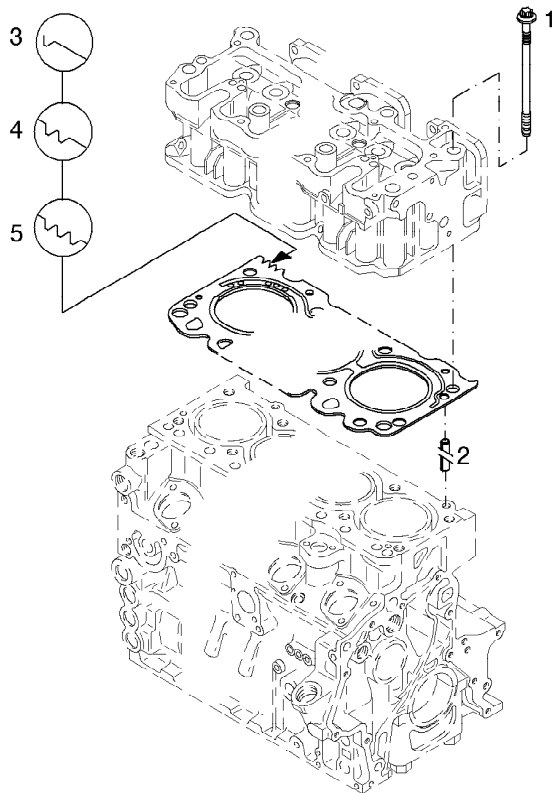
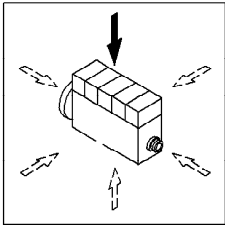
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|-------------------|-------------------|--------|
| 1 | 04270206 | | | | 1 | ST | | Cyl.head/hd.cover | Cyl.head/hd.cover | |
| 2 | 04179847 | Kit ! | 90 | 90 | 1 | ST | | Gasket | Gasket | |
| 3 | 01148134 | Kit ! | | | 10 | ST | | Hexagon bolt | Hexagon bolt | |

ETL no.: 0507 4224 Fastenings

Constr. Group: 08

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|--------------------|--------------------|--|
| 1 | 04270815 | Kit ! | | | 10 | ST | | Cylinder head bolt | Cylinder head bolt | GASKET THICKNESS DEPEND ING ON MEASUREMENT RESULT -DELIVERY COND. (A)=... MM -INSTALLATION COND. (B) =...MM DIFF.THICKNESSES SEE IT EM (C) |
| 2 | 04178611 | Kit ! | | | 2 | ST | | Spiral pin | Spiral pin | |
| 3 | 04280816 | Kit ! | 50 | 50 | 1 | ST | | Cylind.head gasket | Cylind.head gasket | GASKET THICKNESS DEPEND ING ON MEASUREMENT RESULT -DELIVERY COND. (A)=... MM -INSTALLATION COND. (B) =...MM DIFF.THICKNESSES SEE IT EM (C) A = 1,56 +/- 0.04 B = 1,48 C = POS.4,5 |
| 4 | 04280817 | Kit ! | 50 | 50 | 1 | ST | | Cylind.head gasket | Cylind.head gasket | GASKET THICKNESS DEPEND ING ON MEASUREMENT RESULT |

ETL no.: 0507 4224 Fastenings

Constr. Group: 08

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

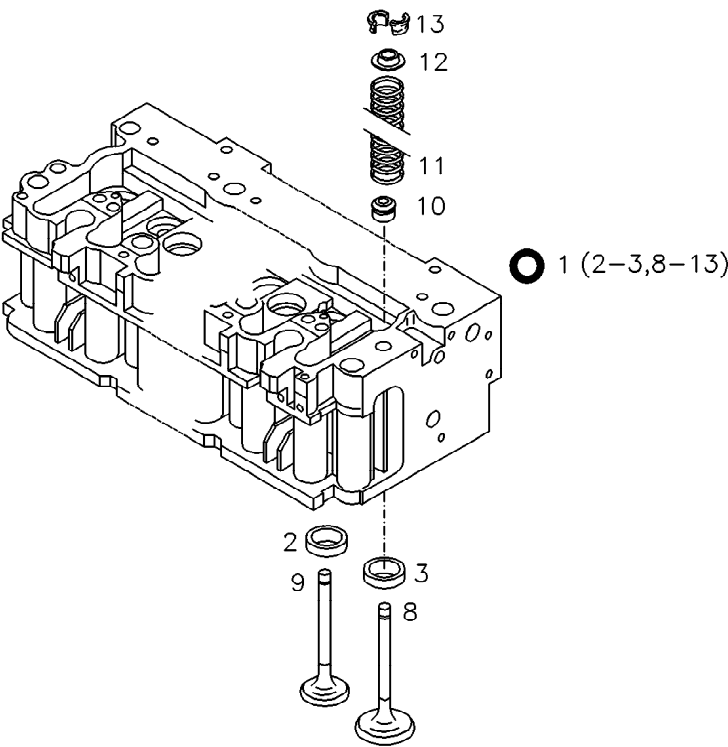
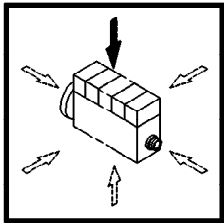
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|--------------------|--------------------|--|
| | | | | | | | | | | -DELIVERY COND. (A)=... MM -INSTALLATION COND. (B) =...MM DIFF.THICKNESSES SEE IT EM (C) A = 1,61 +/- 0.04 B = 1,55 C = POS.3,5 |
| 5 | 04280818 | Kit ! | 50 | 50 | 1 | ST | | Cylind.head gasket | Cylind.head gasket | GASKET THICKNESS DEPEND ING ON MEASUREMENT RESULT -DELIVERY COND. (A)=... MM -INSTALLATION COND. (B) =...MM DIFF.THICKNESSES SEE IT EM (C) A=1.74 +/- 0.05 B=1.60 C= POS. 3.4 |

ETL no.: 0507 4232 Cylinder head

Constr. Group: 08

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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0507 4232

| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|--------------------|--------------------|--|
| 1 | 04280268 | Kit ! | 90 | 90 | 1 | ST | | Cylinder head | Cylinder head | SPAREPART (NEW), REMANUFACTURED PART SEE ITEM (A) COMPL. WIT H ITEM (2-3,8-13) (A) 952 |
| 2 | 04280047 | | 90 | 90 | 4 | ST | | Valve seat insert | Valve seat insert | EXHAUST VALVE, STANDARD (A)MM R FOR OVERSIZE SEE ITEM (B)) A) 37.07 B) 951 |
| 3 | 04280023 | | 90 | 90 | 4 | ST | | Valve seat insert | Valve seat insert | INLET VALVE, STANDARD. (A))MM RD FOR OVERSIZE SEE ITEM (B) A) 42.67 B) 950 |
| 8 | 04280350 | | | | 4 | ST | | Inlet valve | Inlet valve | |
| 9 | 04280049 | | | | 4 | ST | | Exhaust valve | Exhaust valve | |
| 10 | 04153728 | | | | 8 | ST | | Valve stem seal | Valve stem seal | |
| 11 | 04179633 | | | | 8 | ST | | Compression spring | Compression spring | |

Engine type: F 4M2011
Speed: 2800 1/min

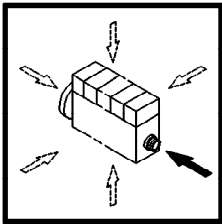
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|-------------------|-------------------|--|
| 12 | 04280025 | | 90 | 90 | 8 | | ST | Spring cap | Spring cap | |
| 13 | 02108102 | | | | 16 | | ST | Valve collet | Valve collet | |
| 950 | 04272032 | | | | 4 | | ST | Valve seat insert | Valve seat insert | INLET VALVE, 1ST OVERSI ZE 42,87 MM |
| 951 | 02108643 | | | | 4 | | ST | Valve seat insert | Valve seat insert | EXHAUST VALVE, 1ST OVER SIZE 37,27 MM |
| 952 | 04280284 | | 90 | AO | 1 | | ST | Cylinder head | Cylinder head | REMANUFACTURED PART, NEW PART SEE ITEM (A) (A) POS.1 |
| 953 | 04272011 | | | | 8 | | ST | Valve guide | Valve guide | |

ETL no.: 0507 9021 Fastenings

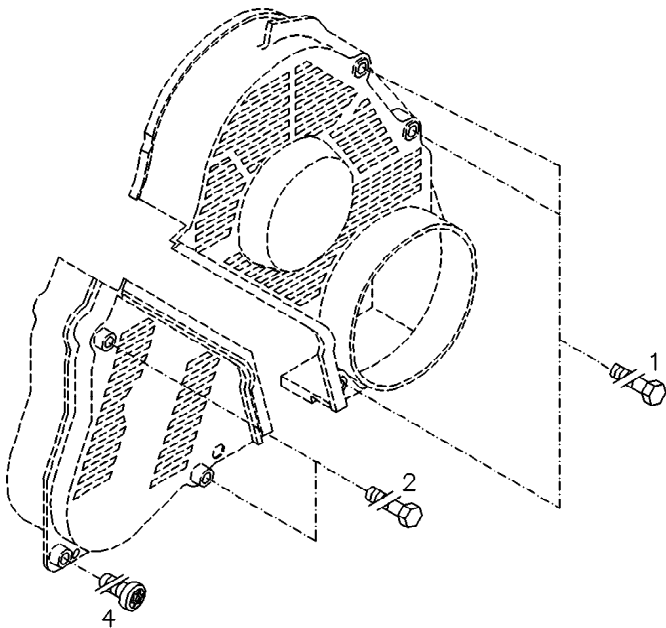
Constr. Group: 10

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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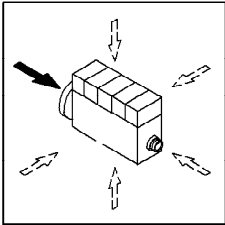
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 01111080 | | | | 3 | ST | | Hexagon bolt | Hexagon bolt | |
| 2 | 01126975 | | | | 2 | ST | | Hexagon bolt | Hexagon bolt | |
| 4 | 02112403 | | | | 1 | ST | | Locking screw | Locking screw | |

ETL no.: 0507 9124 Camshaft

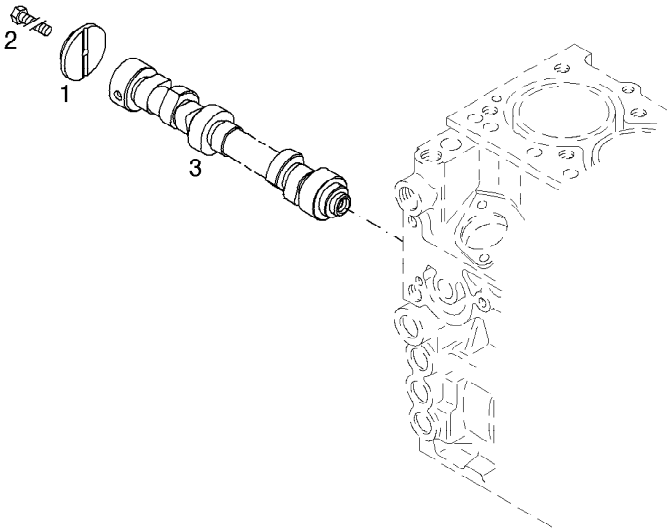
Constr. Group: 10

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



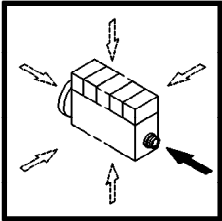
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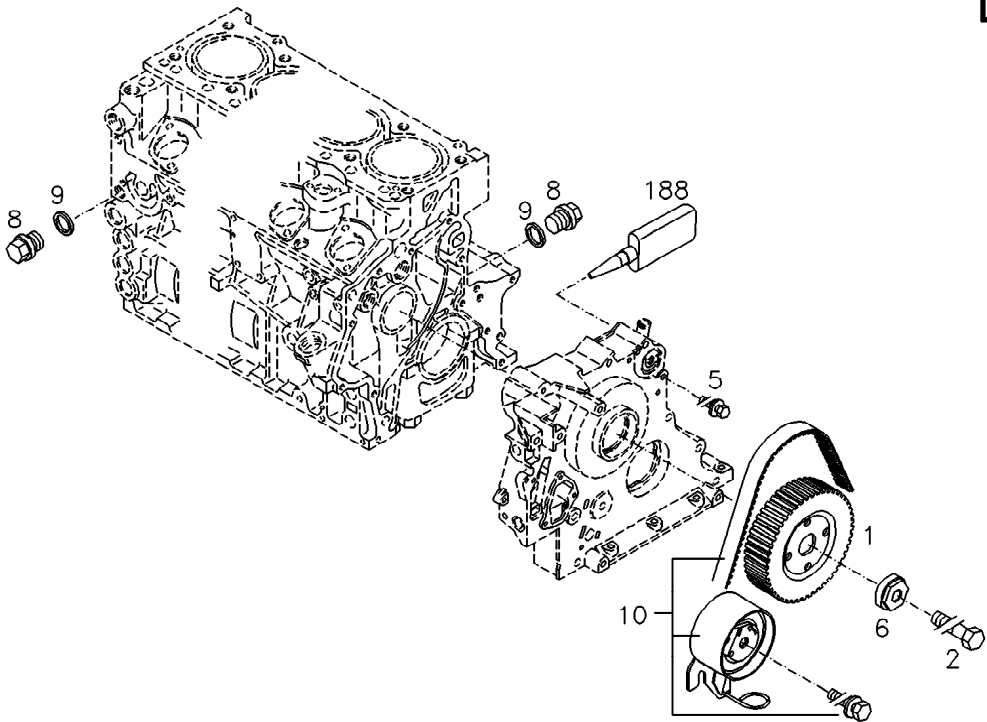
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 04286435 | Kit ! | 10 | 10 | 1 | ST | | Thrust washer | Thrust washer | |
| 2 | 01148241 | | | | 1 | ST | | Hexagon bolt | Hexagon bolt | |
| 3 | 04286379 | Kit ! | | | 1 | ST | | Camshaft | Camshaft | |

ETL no.: 0507 9185 Camshaft drive Constr. Group: 10

Equipment: 00001009619 Engine type: F 4M2011
Output: 0000048,5 kW Speed: 2800 1/min
ETL scope: EU531138



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0507 9185

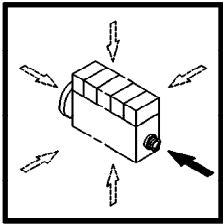
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|--------------------|--------------------|--------|
| 1 | 04286544 | Kit ! | | | 1 | ST | | Synchr.belt pulley | Synchr.belt pulley | |
| 2 | 01179934 | | | | 1 | ST | | Hexagon bolt | Hexagon bolt | |
| 5 | 01181418 | | | | 12 | ST | | Hexagon bolt | Hexagon bolt | |
| 6 | 02108176 | | | | 1 | ST | | Plain washer | Plain washer | |
| 8 | 01148426 | | | | 2 | ST | | Screw plug | Screw plug | |
| 9 | 01118669 | | | | 2 | ST | | Sealing ring | Sealing ring | |
| 10 | 02931485 | Kit ! | 20 | 20 | 1 | ST | | Repair kit | Repair kit | |
| 188 | 01016122 | | 20 | 20 | 1 | KG | | Packing compound | Packing compound | |

ETL no.: 0507 9197 Protection hood

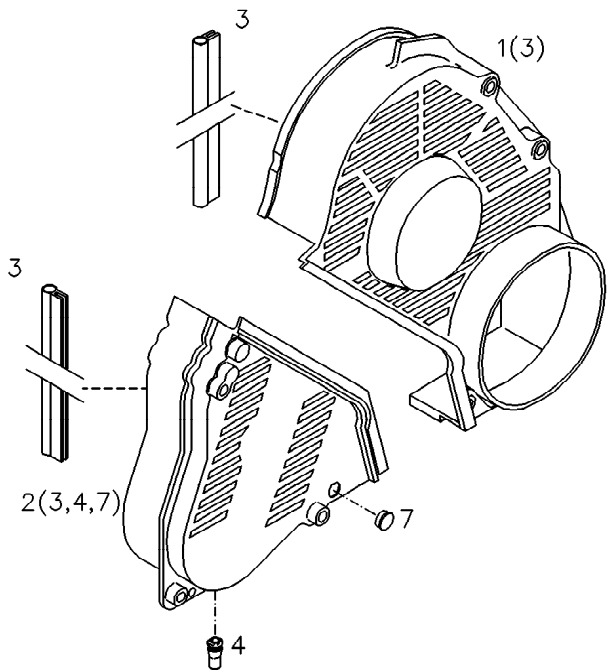
Constr. Group: 10

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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0507 9197

| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|-------|-------|------|-----|------------------|------------------|--------------------------|
| 1 | 04286651 | | | 1 | ST | | Protection hood | Protection hood | WITH ITEM.... (3) |
| 2 | 04286701 | | | 1 | ST | | Protection hood | Protection hood | WITH ITEM.... (3,4,7) |
| 3 | 01398465 | | | 1 | M | | Sealing section | Sealing section | |
| 4 | 04280144 | | | 1 | ST | | Rubber grommet | Rubber grommet | |
| 7 | 01179079 | | | 1 | ST | | Plug | Plug | |

ETL no.: 0505 1930 Rocker arm bracket Constr. Group: 11

Equipment:

Output:

ETL scope:

00001009619

0000048,5 kW

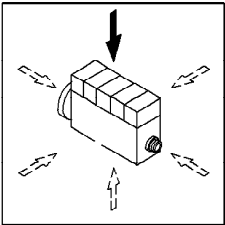
EU531138

Engine type:

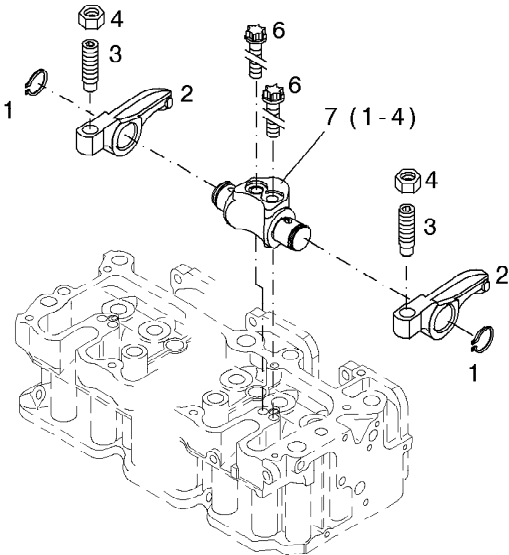
Speed:

F 4M2011

2800 1/min



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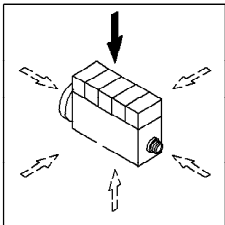
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|------|----------|-------|----|----|-------|------|-----|--------------------|--------------------|------------------------|
| 1 | 01107727 | Kit ! | | | 2 | ST | | Circlip | Circlip | |
| 2 | 02109628 | Kit ! | | | 2 | ST | | Rocker arm | Rocker arm | |
| 3 | 02109636 | Kit ! | | | 2 | ST | | Adjusting screw | Adjusting screw | |
| 4 | 02109637 | Kit ! | | | 2 | ST | | Hexagon nut | Hexagon nut | |
| 6 | 01181417 | Kit ! | 50 | 2 | ST | | | Torx-head bolt | Torx-head bolt | |
| 7 | 04174058 | | | | 1 | ST | | Rocker arm bracket | Rocker arm bracket | WITH ITEM.... (1-4) |

ETL no.: 0506 7617 Valve drive

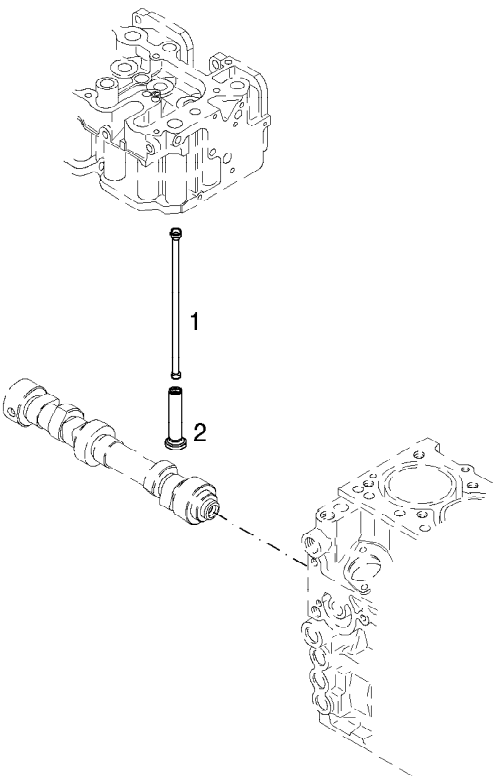
Constr. Group: 11

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 02109085 | | | | 2 | ST | | Pushrod | Pushrod | |
| 2 | 04178075 | Kit ! | | | 2 | ST | | Valve tappet | Valve tappet | |

ETL no.: 0507 4219 Lubricat. oil pump Constr. Group: 14

Equipment:

Output:

ETL scope:

00001009619

0000048,5 kW

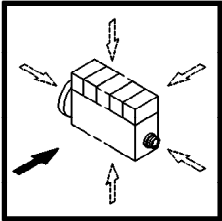
EU531138

Engine type:

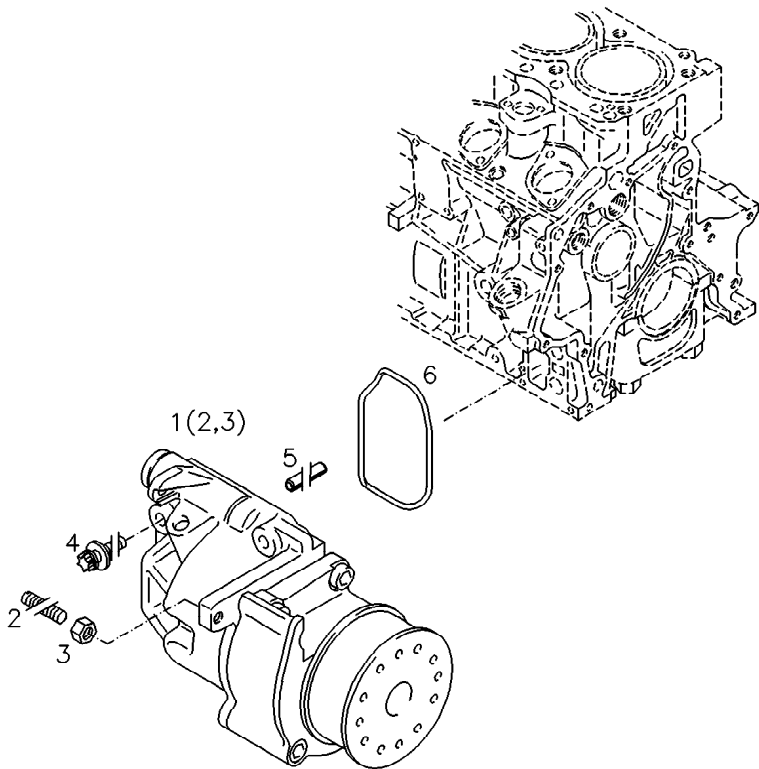
Speed:

F 4M2011

2800 1/min



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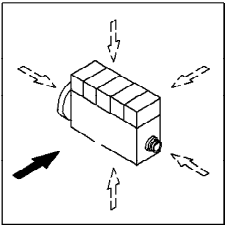
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|--------------------|--------------------|------------------------|
| 1 | 04280165 | Kit ! | 90 | 90 | 1 | ST | | Lubricat. oil pump | Lubricat. oil pump | WITH ITEM.... (2,3) |
| 2 | 01148123 | | 20 | 20 | 1 | ST | | Set screw | Set screw | |
| 3 | 01148122 | | | | 1 | ST | | Hexagon nut | Hexagon nut | |
| 4 | 01181424 | | | | 4 | ST | | Torx-head bolt | Torx-head bolt | |
| 5 | 04178612 | Kit ! | | | 2 | ST | | Spiral pin | Spiral pin | |
| 6 | 04178989 | Kit ! | | | 1 | ST | | Sealing ring | Sealing ring | |

ETL no.: 0506 4400 Lubric. oil filter

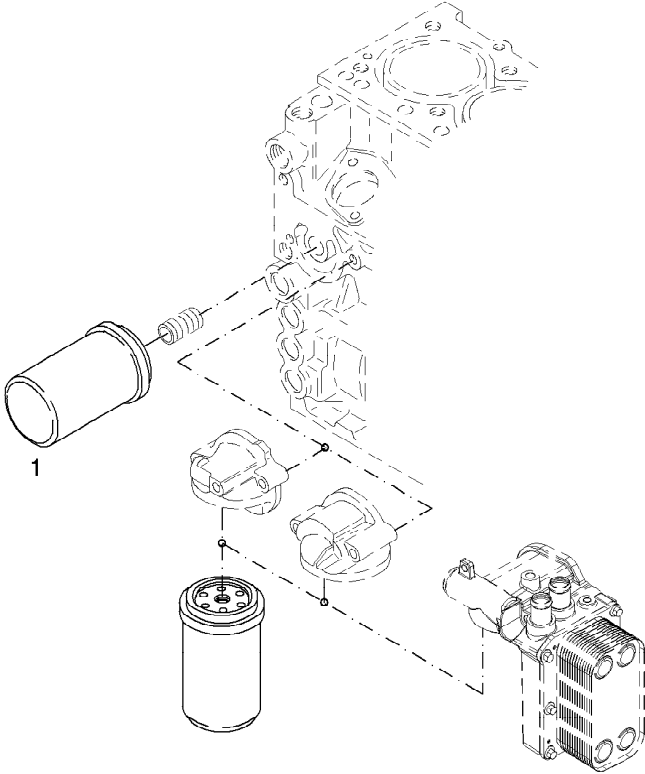
Constr. Group: 15

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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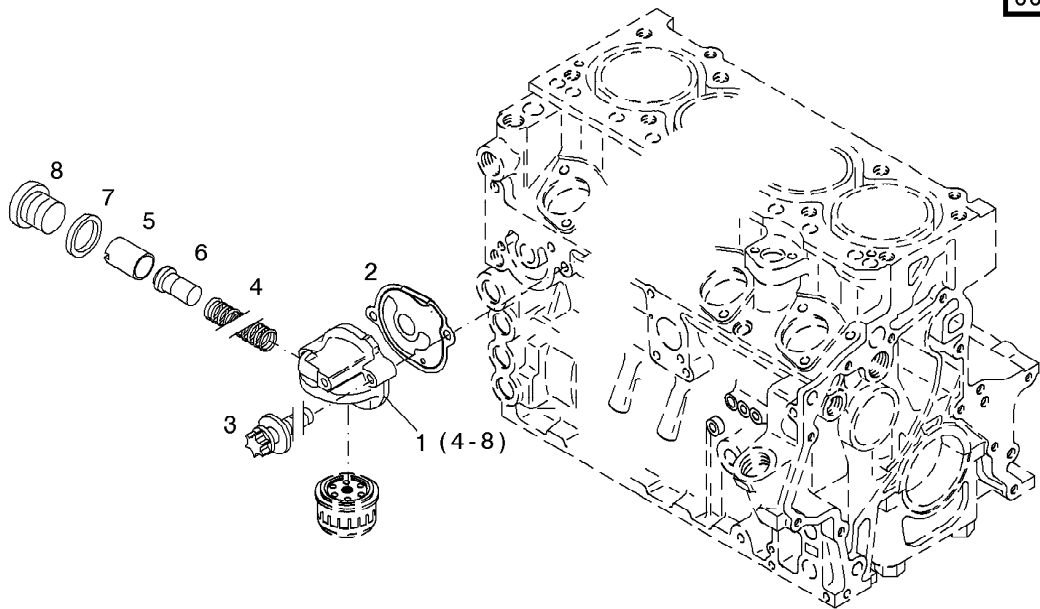
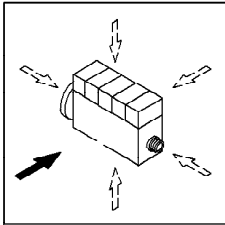
| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|-------|-------|------|-----|--------------------|--------------------|--------|
| 1 | 01174416 | Kit ! | | 1 | ST | | Spin-on oil filter | Spin-on oil filter | |

ETL no.: 0507 7896 Bracket

Constr. Group: 15

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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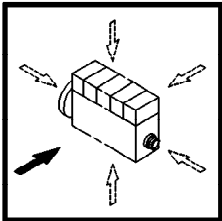
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|--------------------|--------------------|------------------------|
| 1 | 04287677 | | | | 1 | ST | | Bracket | Bracket | WITH ITEM.... (4-8) |
| 2 | 04281205 | | 90 | 90 | 1 | ST | | Gasket | Gasket | |
| 3 | 01181425 | | | | 2 | ST | | Torx-head bolt | Torx-head bolt | |
| 4 | 04258758 | | | | 1 | ST | | Compression spring | Compression spring | |
| 5 | 04258757 | | | | 1 | ST | | Control valve | Control valve | |
| 6 | 04258759 | | | | 1 | ST | | Temperature sensor | Temperature sensor | |
| 7 | 01118748 | | | | 1 | ST | | Sealing ring | Sealing ring | |
| 8 | 01139708 | | | | 1 | ST | | Screw plug | Screw plug | |

ETL no.: 0507 7917 Pilot line

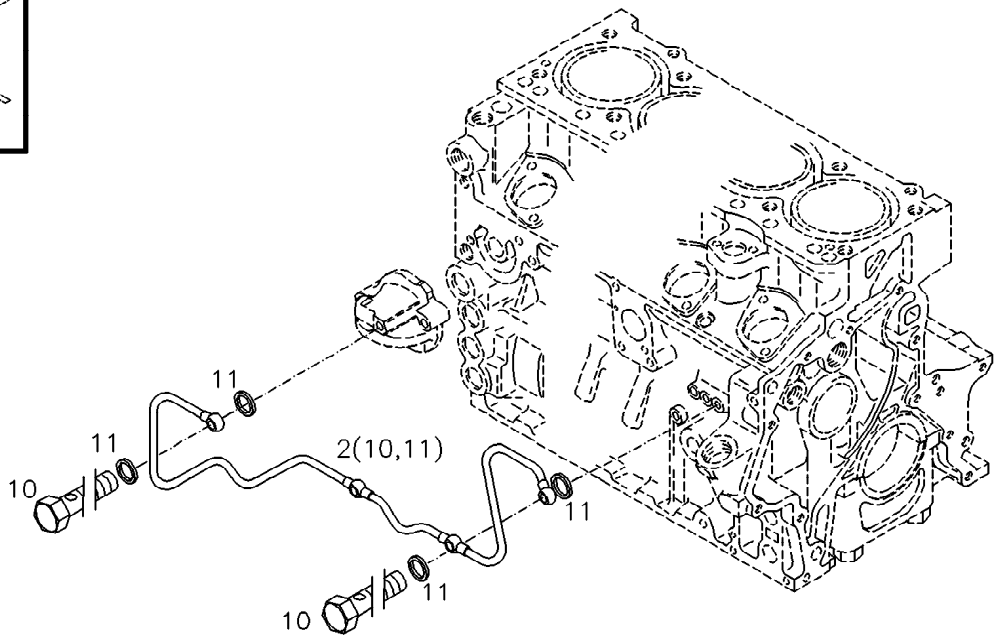
Constr. Group: 15

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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0507 7917

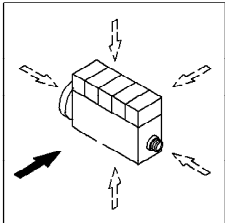
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------------------------|
| 2 | 04281321 | | 90 | 90 | 1 | ST | | Pilot line | Pilot line | WITH ITEM.... (10,11) |
| 10 | 02231136 | | | | 4 | ST | | Hollow screw | Hollow screw | |
| 11 | 01118659 | | | | 8 | ST | | Sealing ring | Sealing ring | |

ETL no.: 0506 7624 Press.relief valve

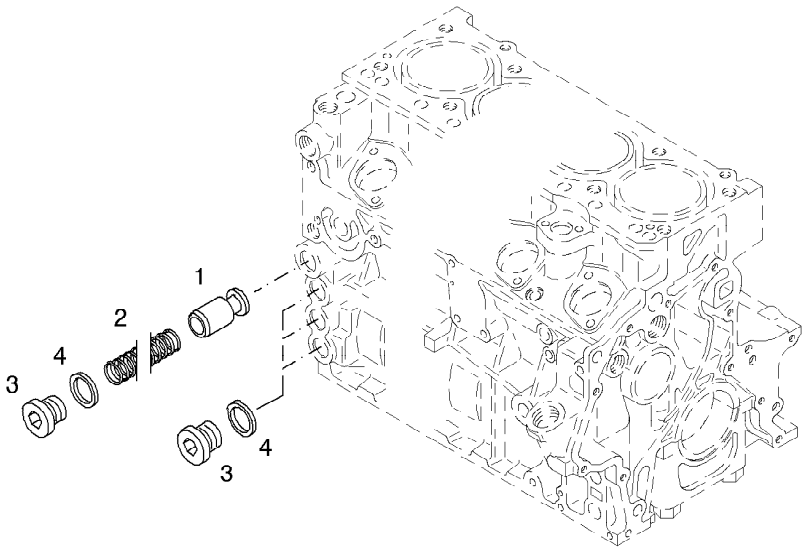
Constr. Group: 16

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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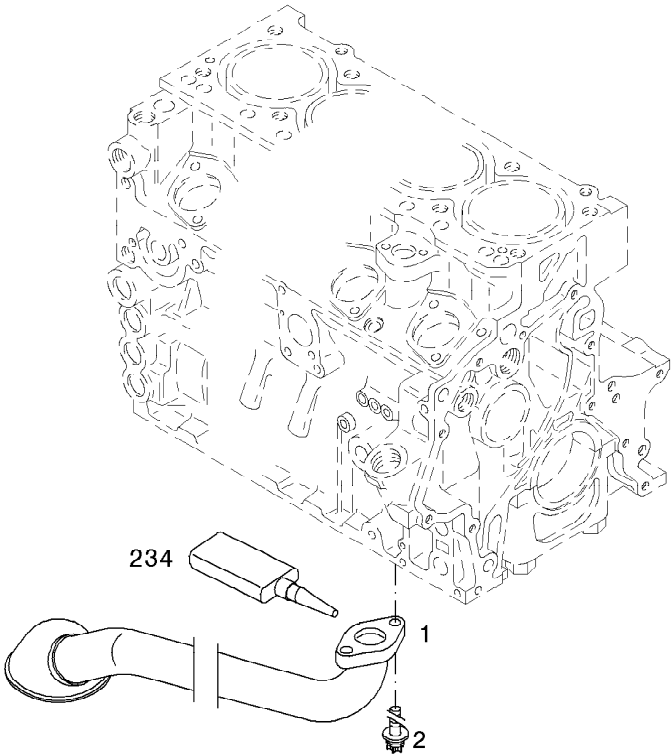
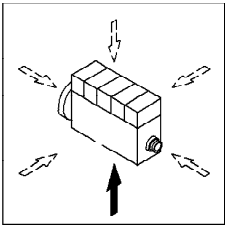
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|--------------------|--------------------|--------|
| 1 | 04272641 | | | | 1 | ST | | Valve | Valve | |
| 2 | 04178423 | | | | 1 | ST | | Compression spring | Compression spring | |
| 3 | 01139708 | | | | 4 | ST | | Screw plug | Screw plug | |
| 4 | 01118748 | | | | 4 | ST | | Sealing ring | Sealing ring | |

ETL no.: 0506 7625 Oil suction line

Constr. Group: 16

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



001 ©

| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 04178205 | | 10 | 10 | 1 | ST | | Oil suction pipe | Oil suction pipe | |
| 2 | 01181422 | | 90 | 90 | 2 | ST | | Torx-head bolt | Torx-head bolt | |
| 234 | 01016024 | | | | 1 | ST | | Packing compound | Packing compound | |

ETL no.: 0506 8145 Radiator connect. Constr. Group: 16

Equipment:

Output:

ETL scope:

00001009619

0000048,5 kW

EU531138

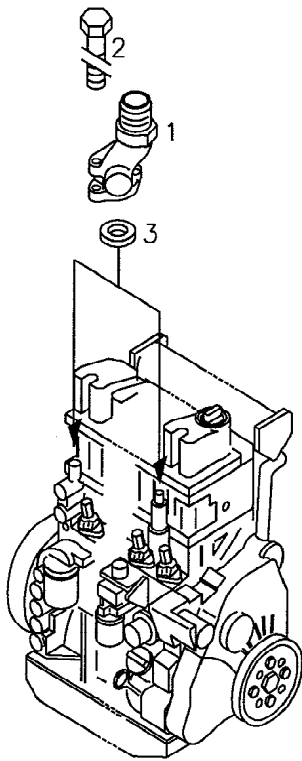
Engine type:

Speed:

F 4M2011

2800 1/min

000



0506 8145

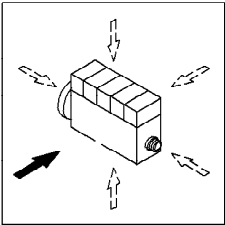
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|-------------------|-------------------|--------|
| 1 | 04179775 | | 10 | 10 | 2 | ST | | Radiator connect. | Radiator connect. | |
| 2 | 01144464 | | | | 4 | ST | | Hexagon bolt | Hexagon bolt | |
| 3 | 01180021 | | | | 2 | ST | | Sealing ring | Sealing ring | |

ETL no.: 0506 7639 Screw plug

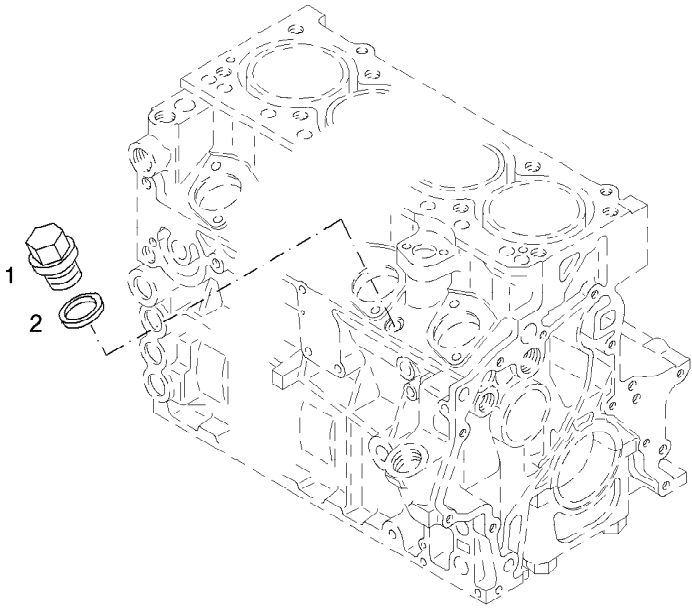
Constr. Group: 17

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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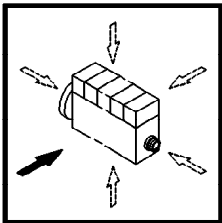
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 01110433 | | 90 | 90 | 1 | ST | | Screw plug | Screw plug | |
| 2 | 01118669 | | | | 1 | ST | | Sealing ring | Sealing ring | |

ETL no.: 0507 9204 Fastenings

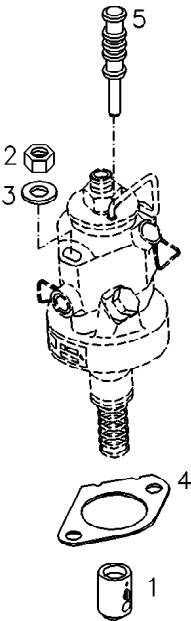
Constr. Group: 17

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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0507 9204

| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|------------------|------------------|--|
| 1 | 04286793 | Kit ! | 90 | 90 | 1 | ST | | Roller tappet | Roller tappet | |
| 2 | 01112824 | | | | 2 | ST | | Hexagon nut | Hexagon nut | |
| 3 | 02404201 | | | | 2 | ST | | Plain washer | Plain washer | |
| 4 | 04178522 | Kit ! | | | 1 | ST | | Compensat gasket | Compensat gasket | GASKET THICKNESS DEPEND ING ON MEASUREMENT RESULT (A)= MM DIFF.THICKNESSES SEE IT EM (B) (A) = 0,35MM |
| 5 | 04286122 | Kit ! | | | 1 | ST | | Plug | Plug | |
| 950 | 04178523 | | | | 1 | ST | | Compensat gasket | Compensat gasket | |
| 951 | 04286587 | | | | 1 | ST | | Compensat gasket | Compensat gasket |MM THICKNESS 0,40MM |
| 952 | 04178523 | | | | 1 | ST | | Compensat gasket | Compensat gasket |MM THICKNESS 0,45MM |
| 953 | 04286588 | | | | 1 | ST | | Compensat gasket | Compensat gasket |MM THICKNESS 0,50MM |
| 954 | 04178524 | | | | 1 | ST | | Compensat gasket | Compensat gasket |MM THICKNESS 0,55MM |
| 955 | 04286589 | | | | 1 | ST | | Compensat gasket | Compensat gasket |MM THICKNESS 0,60MM |
| 956 | 04178525 | | | | 1 | ST | | Compensat gasket | Compensat gasket |MM THICKNESS |

Engine type: F 4M2011
Speed: 2800 1/min

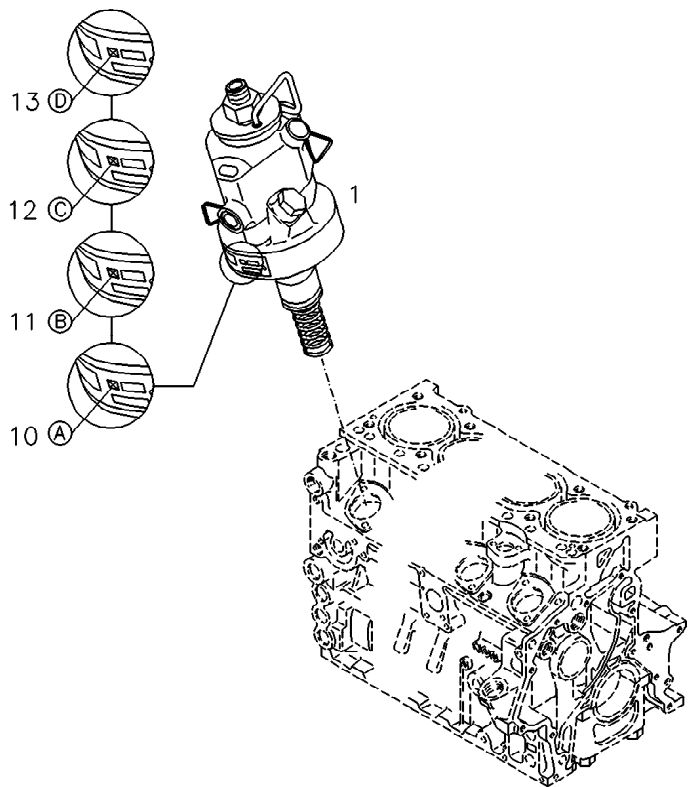
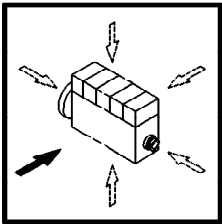
[illegible]

ETL no.: 0507 9213 Fuel inject. pump

Constr. Group: 17

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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0507 9213

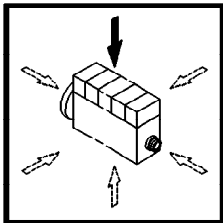
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|-------------------|-------------------|--------------------|
| 1 | 04286791 | Kit ! | 90 | 90 | 1 | ST | | Fuel inject. pump | Fuel inject. pump | |
| 10 | 01340325 | | 90 | 90 | 1 | ST | | Fuel inject. pump | Fuel inject. pump | Pumpenklasse - A - |
| 11 | 01340326 | | 90 | 90 | 1 | ST | | Fuel inject. pump | Fuel inject. pump | Pumpenklasse - B - |
| 12 | 01340327 | | 90 | 90 | 1 | ST | | Fuel inject. pump | Fuel inject. pump | Pumpenklasse - C - |
| 13 | 01340328 | | 90 | 90 | 1 | ST | | Fuel inject. pump | Fuel inject. pump | Pumpenklasse - D - |

ETL no.: 0507 9013 Fuel injector

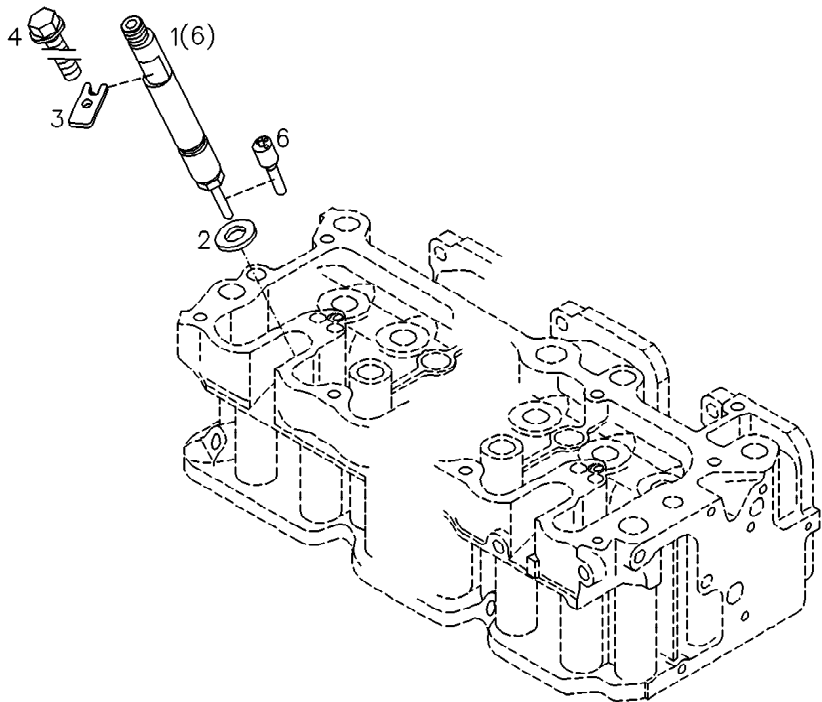
Constr. Group: 19

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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0507 9013

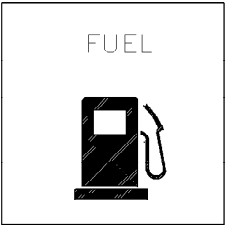
| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|-------|-------|------|-----|------------------|------------------|----------------------|
| 1 | 04286251 | Kit ! | | 1 | ST | | Fuel injector | Fuel injector | WITH ITEM.... (6) |
| 2 | 04286236 | Kit ! | | 1 | ST | | Sealing ring | Sealing ring | |
| 3 | 04281147 | Kit ! | | 1 | ST | | Claw | Claw | |
| 4 | 01181433 | | | 1 | ST | | Hexagon bolt | Hexagon bolt | |
| 6 | 04281859 | Kit ! | | 1 | ST | | Nozzle element | Nozzle element | |

ETL no.: 0506 7542 Filter cartridge

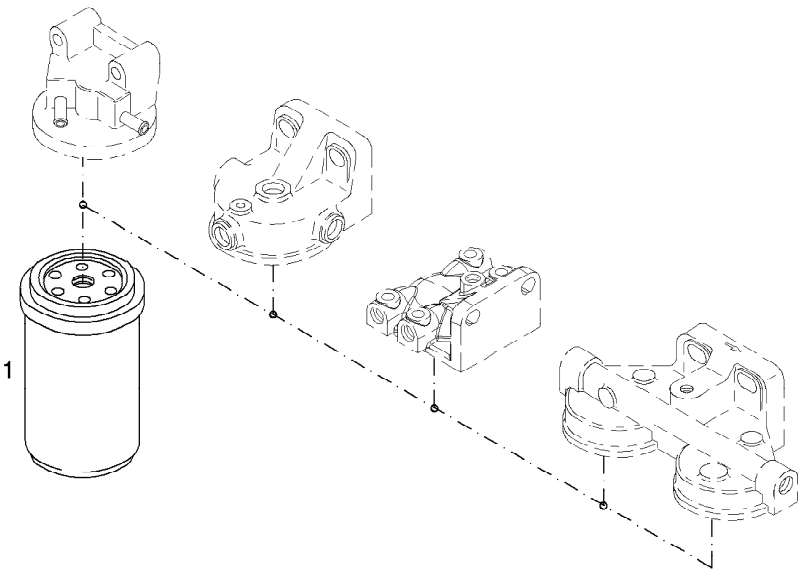
Constr. Group: 20

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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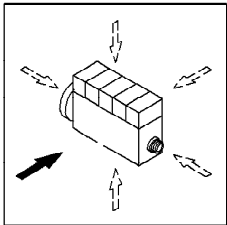
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|--------------------|--------------------|--------|
| 1 | 01174482 | Kit ! | | | 1 | ST | | Spin-on fuel filt. | Spin-on fuel filt. | |

ETL no.: 0506 8026 Bracket

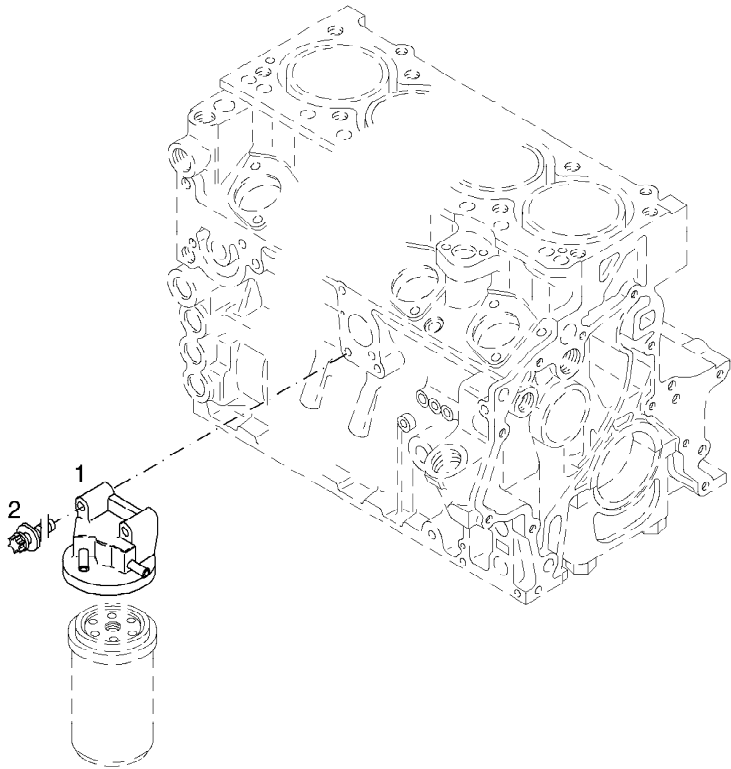
Constr. Group: 20

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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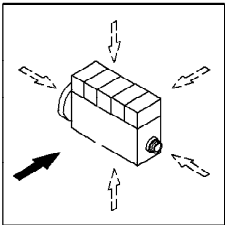
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 04178691 | 20 | 20 | 1 | ST | | | Bracket | Bracket | |
| 2 | 01181425 | | | 2 | ST | | | Torx-head bolt | Torx-head bolt | |

ETL no.: 0507 9014 Fuel supply pump

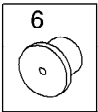
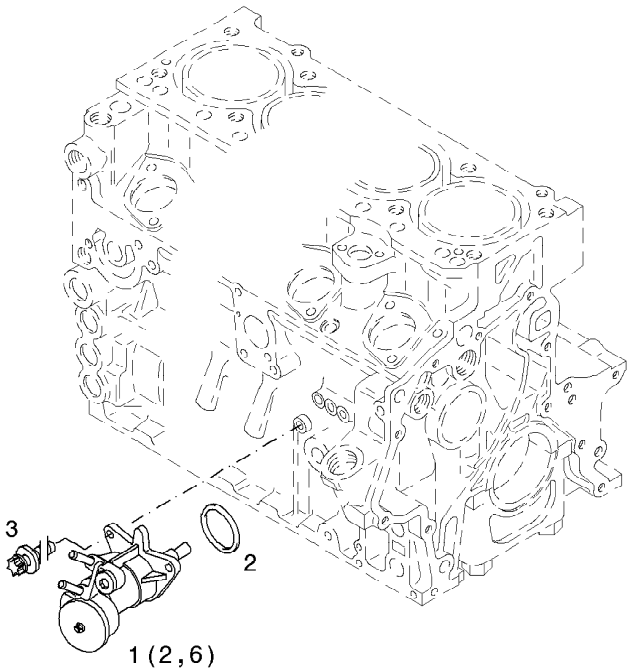
Constr. Group: 20

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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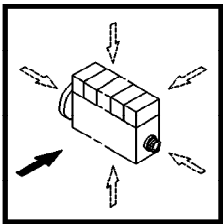
| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|-------|-------|------|-----|------------------|------------------|------------------------|
| 1 | 04103661 | Kit ! | | 1 | ST | | Fuel supply pump | Fuel supply pump | WITH ITEM.... (2,6) |
| 2 | 01340435 | | | 1 | ST | | O-seal | O-seal | |
| 3 | 01181421 | Kit ! | | 2 | ST | | Torx-head bolt | Torx-head bolt | |
| 6 | 01340488 | Kit ! | | 1 | ST | | Repair kit | Repair kit | |

ETL no.: 0507 9002 Fuel line

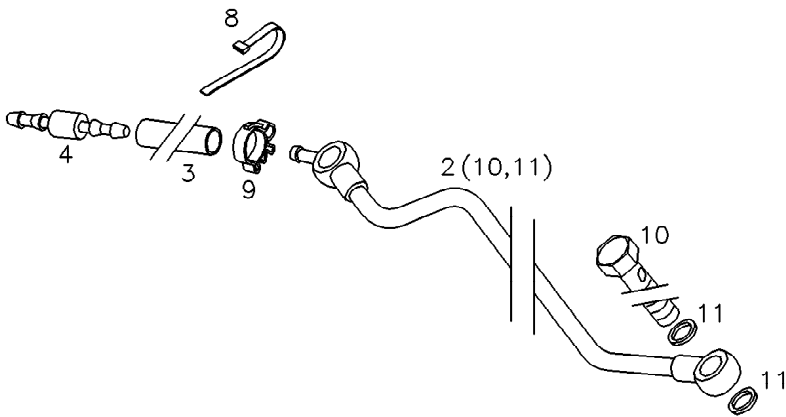
Constr. Group: 21

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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0507 9002

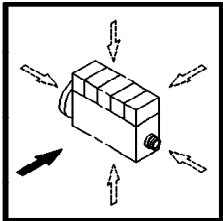
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|------------------|------------------|--------------------------|
| 2 | 04281429 | | 20 | 20 | 1 | ST | | Fuel line | Fuel line | WITH ITEM.... (10,11) |
| 3 | 01177045 | | 20 | 20 | 1 | ST | | Rubber hose | Rubber hose | |
| 4 | 01182135 | | | | 1 | ST | | Connecting piece | Connecting piece | |
| 8 | 01176435 | | | | 1 | ST | | Clamping band | Clamping band | |
| 9 | 01180014 | Kit ! | | | 1 | ST | | Hose clip | Hose clip | |
| 10 | 01119241 | | | | 4 | ST | | Hollow screw | Hollow screw | |
| 11 | 01181985 | | | | 8 | ST | | Sealing ring | Sealing ring | |

ETL no.: 0507 9003 Fuel line

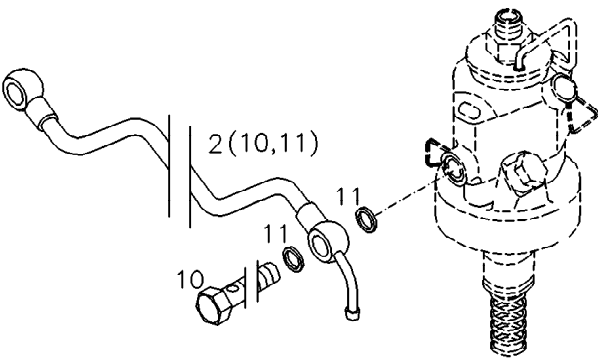
Constr. Group: 21

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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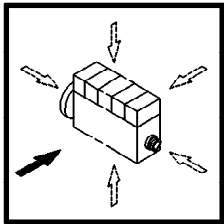


0507 9003

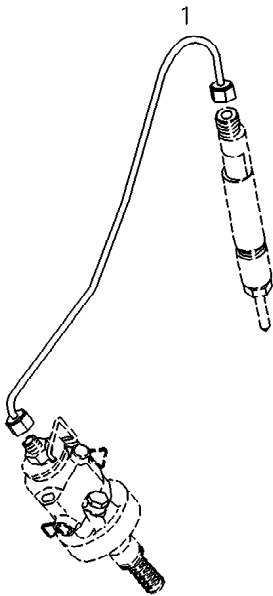
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------------------------|
| 2 | 04281870 | | 20 | 20 | 1 | ST | | Fuel line | Fuel line | WITH ITEM.... (10,11) |
| 10 | 01119241 | | | | 4 | ST | | Hollow screw | Hollow screw | |
| 11 | 01181985 | | | | 8 | ST | | Sealing ring | Sealing ring | |

ETL no.: 0507 9015 High pressure pipe Constr. Group: 21

| | | | |
|------------|--------------|--------------|------------|
| Equipment: | 00001009619 | Engine type: | F 4M2011 |
| Output: | 0000048,5 kW | Speed: | 2800 1/min |
| ETL scope: | EU531138 | | |



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0507 9015

| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|--------------------|--------------------|--------|
| 1 | 04281876 | Kit ! | 90 | 90 | 1 | ST | | High pressure pipe | High pressure pipe | |

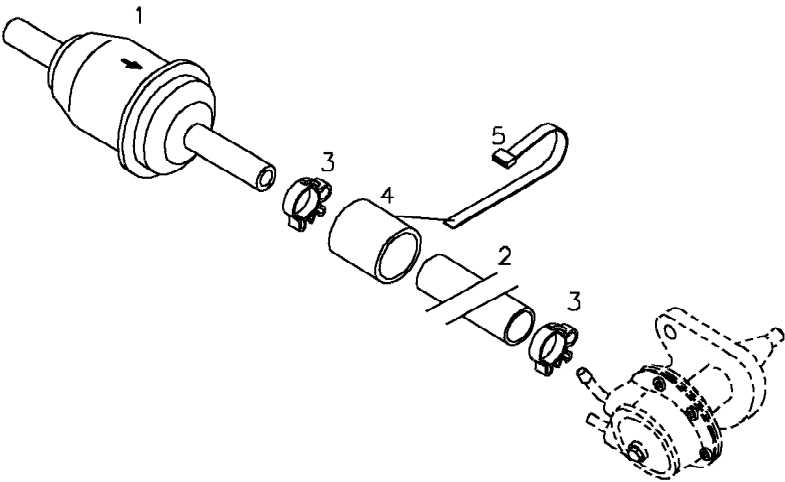
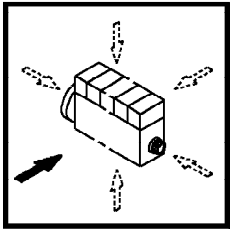
ETL no.: 0507 9170 Fuel filter

Constr. Group: 21

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

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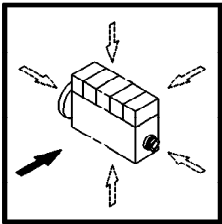
| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|-------|-------|------|-----|------------------|------------------|--------|
| 1 | 01178753 | | | 1 | ST | | Fuel filter | Fuel filter | |
| 2 | 01179656 | Kit ! | | 1 | ST | | Rubber hose | Rubber hose | |
| 3 | 01180014 | Kit ! | | 2 | ST | | Hose clip | Hose clip | |
| 4 | 01404948 | | | 0,160 | M | | Hose | Hose | |
| 5 | 01176435 | | | 1 | ST | | Clamping band | Clamping band | |

ETL no.: 0507 9171 Fuel line

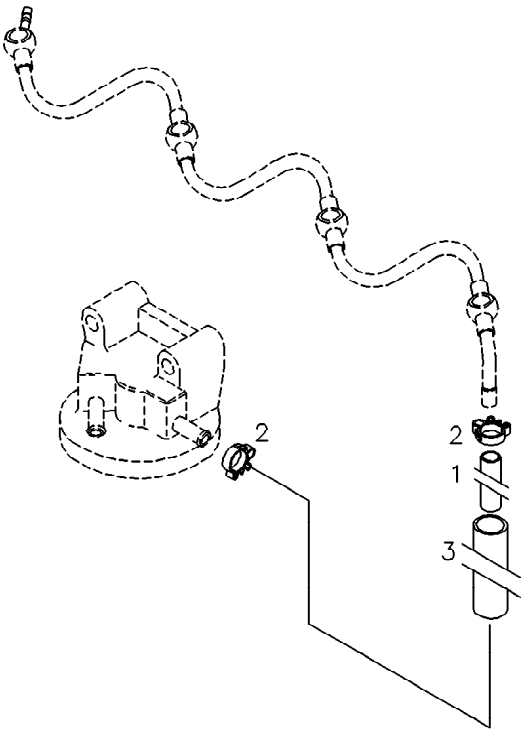
Constr. Group: 21

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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0507 9171

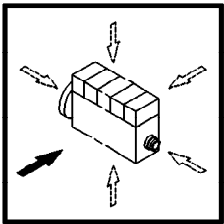
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 01181695 | Kit ! | | | 1 | ST | | Rubber hose | Rubber hose | |
| 2 | 01180014 | Kit ! | | | 2 | ST | | Hose clip | Hose clip | |
| 3 | 01404949 | | 90 | 90 | 1 | ST | | Hose | Hose | |

ETL no.: 0507 9172 Fuel line

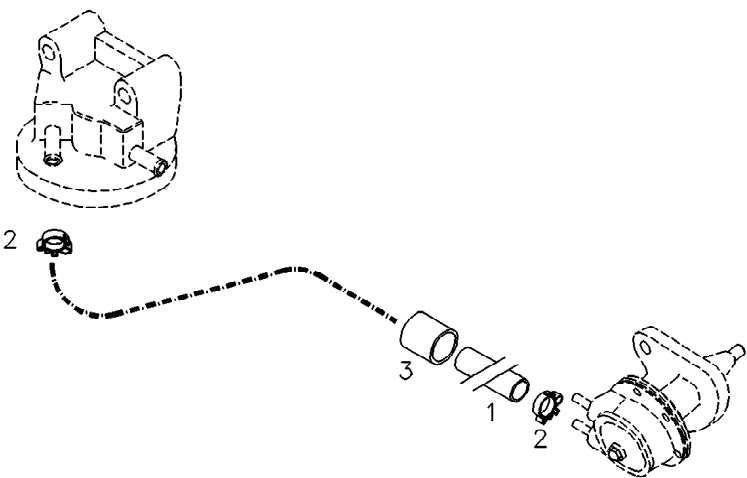
Constr. Group: 21

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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0507 9172

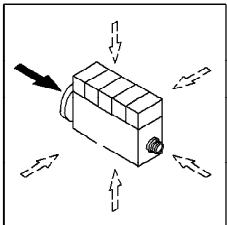
| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|-------|-------|------|-----|------------------|------------------|--------|
| 1 | 01182348 | Kit ! | | 1 | ST | | Rubber hose | Rubber hose | |
| 2 | 01180014 | Kit ! | | 2 | ST | | Hose clip | Hose clip | |
| 3 | 01404950 | | | 1 | ST | | Hose | Hose | |

ETL no.: 0505 1624 Flange

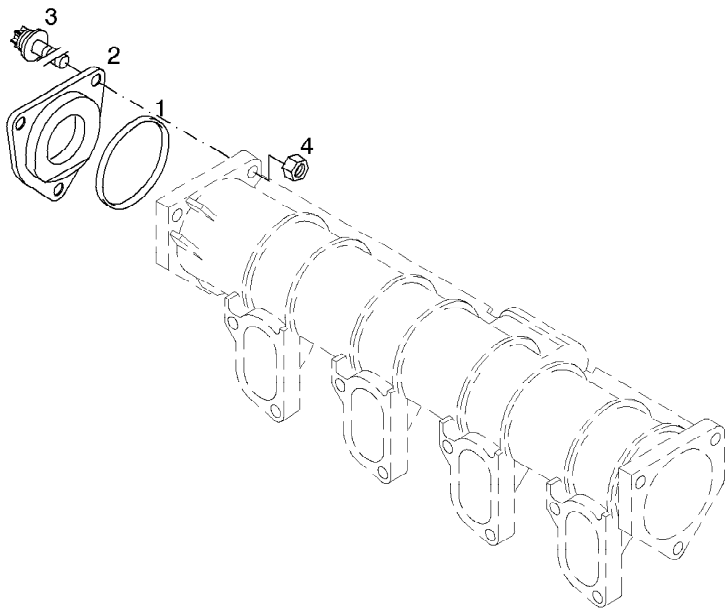
Constr. Group: 22

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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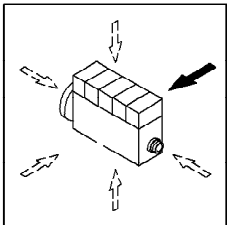
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 01179307 | Kit ! | | | 1 | ST | | O-seal | O-seal | |
| 2 | 04172821 | | | | 1 | ST | | Flange | Flange | |
| 3 | 01179427 | Kit ! | 20 | 20 | 1 | ST | | Torx-head bolt | Torx-head bolt | |
| 4 | 01112824 | | | | 1 | ST | | Hexagon nut | Hexagon nut | |

ETL no.: 0506 3419 Blanking parts

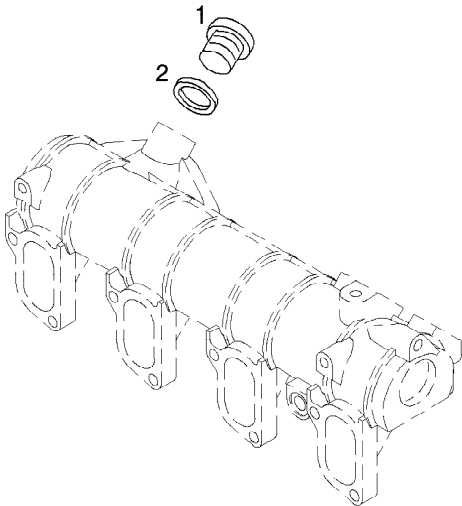
Constr. Group: 22

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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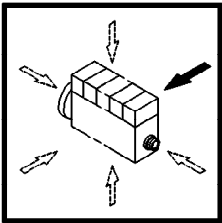
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 01124759 | | | | 1 | ST | | Screw plug | Screw plug | |
| 2 | 01118737 | | | | 1 | ST | | Sealing ring | Sealing ring | |

ETL no.: 0507 4094 Suction pipe

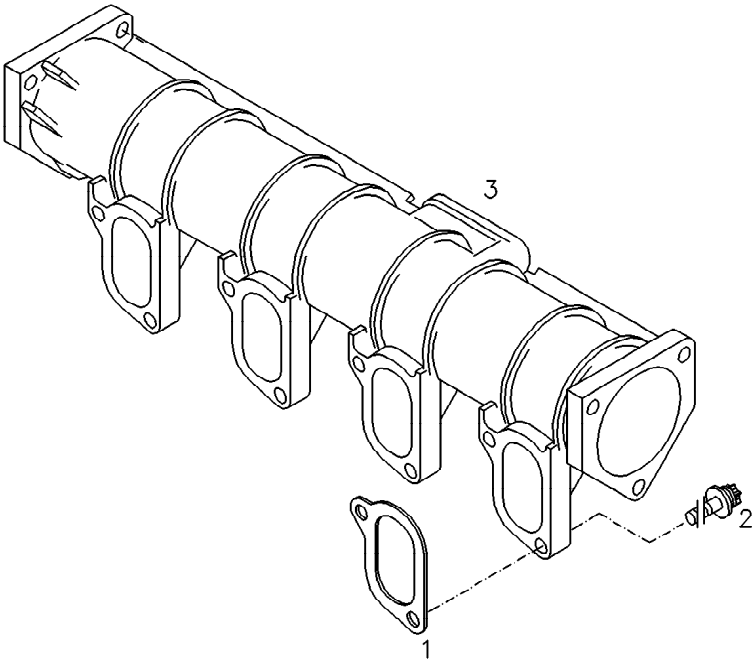
Constr. Group: 22

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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0507 4094

| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|-------|-------|------|-----|------------------|------------------|--------|
| 1 | 04102120 | Kit ! | | 4 | ST | | Gasket | Gasket | |
| 2 | 01179437 | Kit ! | | 8 | ST | | Torx-head bolt | Torx-head bolt | |
| 3 | 04272207 | | | 1 | ST | | Intake manifold | Intake manifold | |

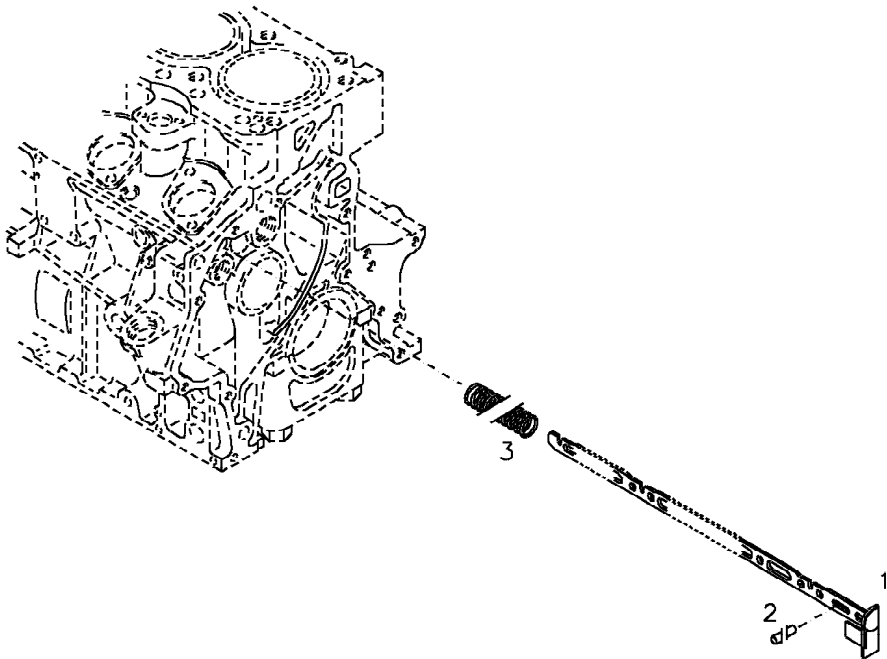
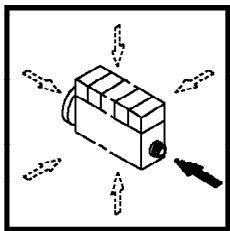
ETL no.: 0506 7616 Control rod

Constr. Group: 27

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

002 ©



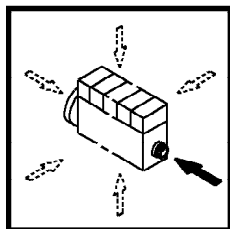
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|--------------------|--------------------|--------|
| 1 | 04179809 | | 90 | 90 | 1 | ST | | Control rod | Control rod | |
| 2 | 04176057 | | | | 1 | ST | | Locating pin | Locating pin | |
| 3 | 04170886 | | | | 1 | ST | | Compression spring | Compression spring | |

ETL no.: 0507 7916 Torge adapter

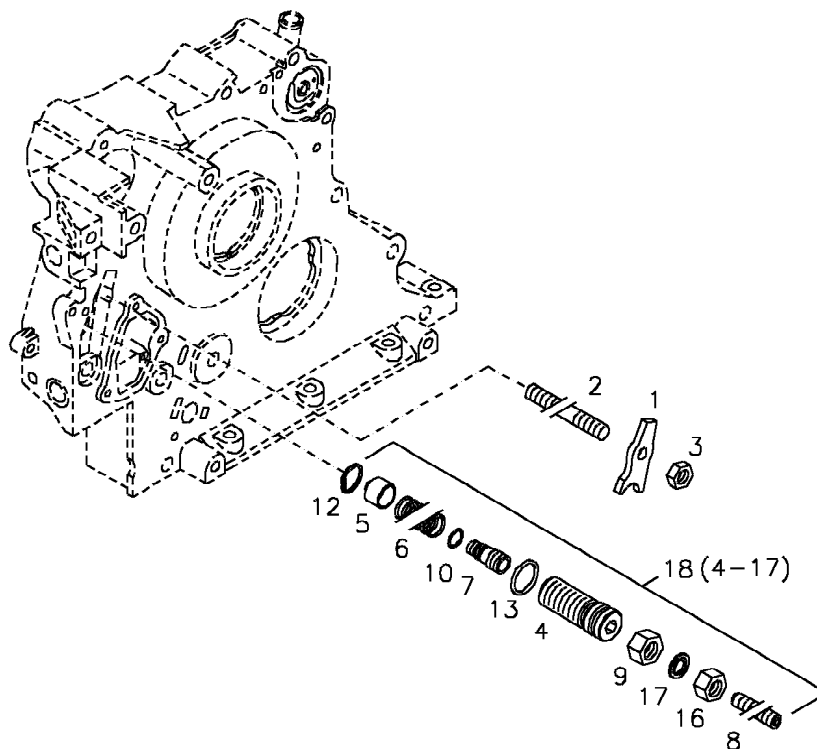
Constr. Group: 27

Equipment: 00001009619
 Output: 0000048,5 kW
 ETL scope: EU531138

Engine type: F 4M2011
 Speed: 2800 1/min



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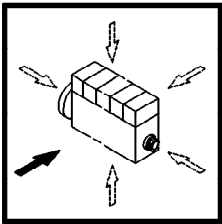
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|--------------------|--------------------|-------------------------|
| 1 | 04174250 | | | | 1 | ST | | Claw | Claw | |
| 2 | 01151391 | | | | 1 | ST | | Stud | Stud | |
| 3 | 01114357 | | | | 1 | ST | | Hexagon nut | Hexagon nut | |
| 4 | 04281215 | | 10 | 10 | 1 | ST | | Setting screw | Setting screw | |
| 5 | 04270758 | | | | 1 | ST | | Limit stop | Limit stop | |
| 6 | 04175108 | | | | 1 | ST | | Compression spring | Compression spring | |
| 7 | 04281216 | | | | 1 | ST | | Adjusting screw | Adjusting screw | |
| 8 | 01144973 | | | | 1 | ST | | Set screw | Set screw | |
| 9 | 02109637 | Kit ! | | | 1 | ST | | Hexagon nut | Hexagon nut | |
| 10 | 01169763 | Kit ! | | | 1 | ST | | O-seal | O-seal | |
| 12 | 01107803 | Kit ! | | | 1 | ST | | Circlip | Circlip | |
| 13 | 01182003 | Kit ! | | | 1 | ST | | O-seal | O-seal | |
| 16 | 01112803 | | | | 1 | ST | | Hexagon nut | Hexagon nut | |
| 17 | 01179344 | | | | 1 | ST | | Sealing ring | Sealing ring | |
| 18 | 04281213 | | 90 | 90 | 1 | ST | | Torque control | Torque control | WITH ITEM.... (4-17) |

ETL no.: 0507 9154 Solenoid

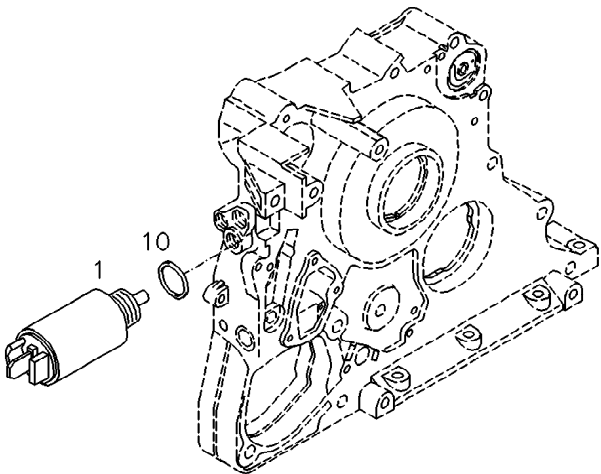
Constr. Group: 27

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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0507 9154

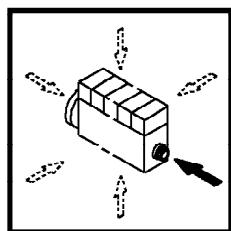
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 04270463 | | 20 | 90 | 1 | ST | | Solenoid | Solenoid | |
| 10 | 01210161 | | | | 1 | ST | | O-seal | O-seal | |

ETL no.: 0507 9215 Front cover/govern

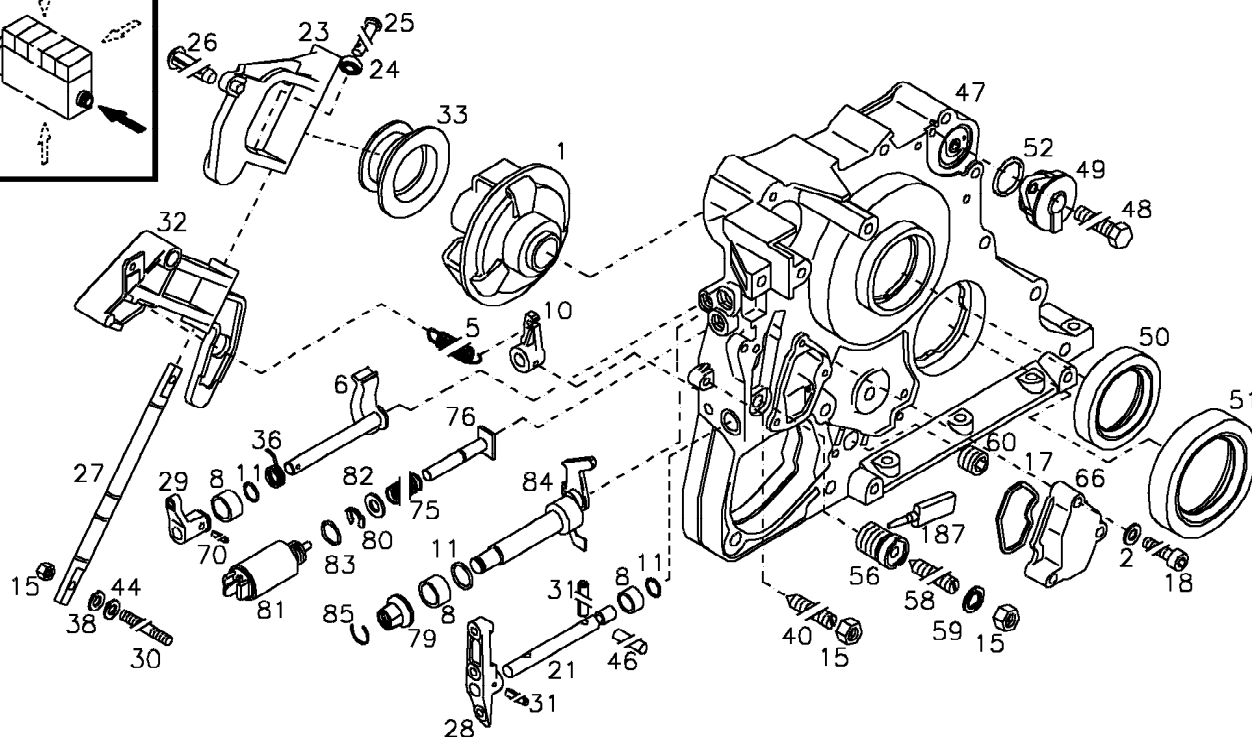
Constr. Group: 27

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|

| | | | | | | | | | | |
|----|----------|-------|----|----|---|----|--|-------------------|-------------------|--|
| 1 | 04286243 | | | | 1 | ST | | Metering unit | Metering unit | |
| 2 | 01107095 | | | | 3 | ST | | Plain washer | Plain washer | |
| 5 | 04174542 | Kit ! | | | 1 | ST | | Tension spring | Tension spring | |
| 6 | 04287201 | | 90 | 90 | 1 | ST | | Lever/arm | Lever/arm | |
| 8 | 04175629 | | | | 3 | ST | | Sleeve | Sleeve | |
| 10 | 04175945 | | | | 1 | ST | | Lever/arm | Lever/arm | |
| 11 | 01180080 | Kit ! | | | 3 | ST | | O-seal | O-seal | |
| 15 | 01148122 | | | | 4 | ST | | Hexagon nut | Hexagon nut | |
| 17 | 04178839 | Kit ! | | | 1 | ST | | Profile washer | Profile washer | |
| 18 | 01179835 | | | | 3 | ST | | Cheese head screw | Cheese head screw | |
| 21 | 04280156 | | | | 1 | ST | | Lever shaft | Lever shaft | |
| 23 | 04287491 | | | | 1 | ST | | Roller lever | Roller lever | |
| 24 | 01137646 | | | | 2 | ST | | Ball bearing | Ball bearing | |
| 25 | 04286537 | | | | 2 | ST | | Pin | Pin | |
| 26 | 01115316 | | | | 1 | ST | | Notched nail | Notched nail | |
| 27 | 04178202 | | | | 1 | ST | | Axle | Axle | |
| 28 | 04179754 | | 90 | 90 | 1 | ST | | Lever/arm | Lever/arm | |
| 29 | 04286057 | | | | 1 | ST | | Lever/arm | Lever/arm | |
| 30 | 01154742 | | | | 2 | ST | | Stud | Stud | |
| 31 | 01115434 | | | | 2 | ST | | Straight pin | Straight pin | |
| 32 | 04286051 | | 90 | 90 | 1 | ST | | Lever/arm | Lever/arm | |
| 33 | 04270491 | | | | 1 | ST | | Sleeve | Sleeve | |
| 36 | 04281898 | Kit ! | | | 1 | ST | | Torsion spring | Torsion spring | |
| 38 | 03381013 | | | | 3 | ST | | Plain washer | Plain washer | |
| 40 | 01151181 | | | | 1 | ST | | Set screw | Set screw | |
| 44 | 01219780 | | | | 2 | ST | | Plain washer | Plain washer | |
| 46 | 01105091 | | | | 1 | ST | | Parallel pin | Parallel pin | |
| 47 | 04286168 | | | | 1 | ST | | Front cover | Front cover | |
| 48 | 01143874 | | | | 1 | ST | | Hexagon bolt | Hexagon bolt | |
| 49 | 04178572 | Kit ! | | | 1 | ST | | Breather valve | Breather valve | |

ETL no.: 0507 9215 Front cover/govern

Constr. Group: 27

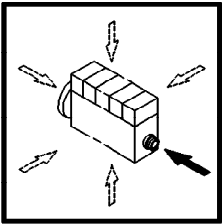
Equipment: 00001009619
 Output: 0000048,5 kW
 ETL scope: EU531138

Engine type: F 4M2011
 Speed: 2800 1/min

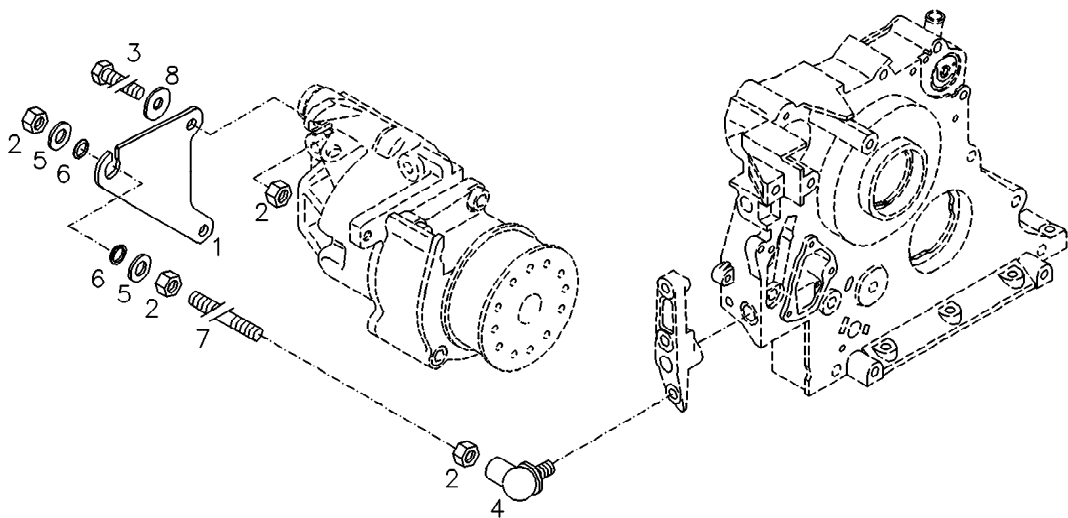
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|--------------------|--------------------|--------|
| 50 | 04175435 | Kit ! | | | 1 | ST | | Rot.shaft lip seal | Rot.shaft lip seal | |
| 51 | 04175434 | Kit ! | | | 1 | ST | | Rot.shaft lip seal | Rot.shaft lip seal | |
| 52 | 01181784 | | | | 1 | ST | | O-seal | O-seal | |
| 56 | 04174892 | | | | 1 | ST | | Screwed bush | Screwed bush | |
| 58 | 01148123 | | 20 | 20 | 1 | ST | | Set screw | Set screw | |
| 59 | 01178666 | | | | 1 | ST | | Sealing ring | Sealing ring | |
| 60 | 01180891 | | | | 1 | ST | | Screw plug | Screw plug | |
| 66 | 04178895 | | | | 1 | ST | | Cover | Cover | |
| 70 | 01125637 | | | | 1 | ST | | Straight pin | Straight pin | |
| 75 | 04281196 | | | | 1 | ST | | Compression spring | Compression spring | |
| 76 | 04287367 | | | | 1 | ST | | Axle | Axle | |
| 79 | 04286888 | | | | 1 | ST | | Locking nut | Locking nut | |
| 80 | 04281298 | | 90 | 90 | 1 | ST | | Retaining washer | Retaining washer | |
| 81 | 04270463 | | 20 | 90 | 1 | ST | | Solenoid | Solenoid | |
| 82 | 01215850 | | | | 1 | ST | | Plain washer | Plain washer | |
| 83 | 01210161 | | | | 1 | ST | | O-seal | O-seal | |
| 84 | 04287441 | | | | 1 | ST | | Reversing lever | Reversing lever | |
| 85 | 01182249 | | | | 1 | ST | | Half-moon ring | Half-moon ring | |
| 187 | 01016123 | | 20 | 20 | 1 | ST | | Safety/lock.agent | Safety/lock.agent | |

ETL no.: 0507 4206 Engine speed contr Constr. Group: 29

| | | | |
|------------|--------------|--------------|------------|
| Equipment: | 00001009619 | Engine type: | F 4M2011 |
| Output: | 0000048,5 kW | Speed: | 2800 1/min |
| ETL scope: | EU531138 | | |



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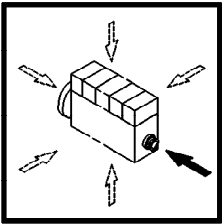


0507 4206

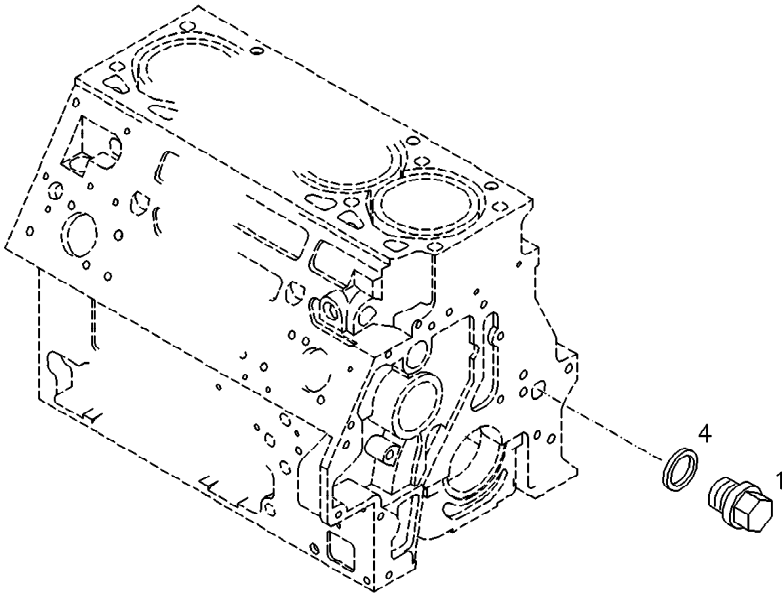
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 04272508 | | | | 1 | ST | | Bracket | Bracket | |
| 2 | 01148122 | | | | 5 | ST | | Hexagon nut | Hexagon nut | |
| 3 | 01103316 | 20 | 20 | | 2 | ST | | Hexagon bolt | Hexagon bolt | |
| 4 | 01175511 | | | | 1 | ST | | Ball joint | Ball joint | |
| 5 | 01151664 | | | | 2 | ST | | Plain washer | Plain washer | |
| 6 | 01117513 | | | | 2 | ST | | Domed washer | Domed washer | |
| 7 | 01166607 | | | | 1 | ST | | Threaded rod | Threaded rod | |
| 8 | 00810311 | | | | 2 | ST | | Plain washer | Plain washer | |

ETL no.: 0507 4236 Blanking parts Constr. Group: 33

| | | | |
|------------|--------------|--------------|------------|
| Equipment: | 00001009619 | Engine type: | F 4M2011 |
| Output: | 0000048,5 kW | Speed: | 2800 1/min |
| ETL scope: | EU531138 | | |



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| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|-------|-------|------|-----|------------------|------------------|--------|
| 1 | 01133631 | | | 1 | ST | | Screw plug | Screw plug | |
| 4 | 01118718 | Kit ! | | 1 | ST | | Sealing ring | Sealing ring | |

ETL no.: 0506 7768 V-grooved pulley Constr. Group: 39

Equipment:

Output:

ETL scope:

00001009619

0000048,5 kW

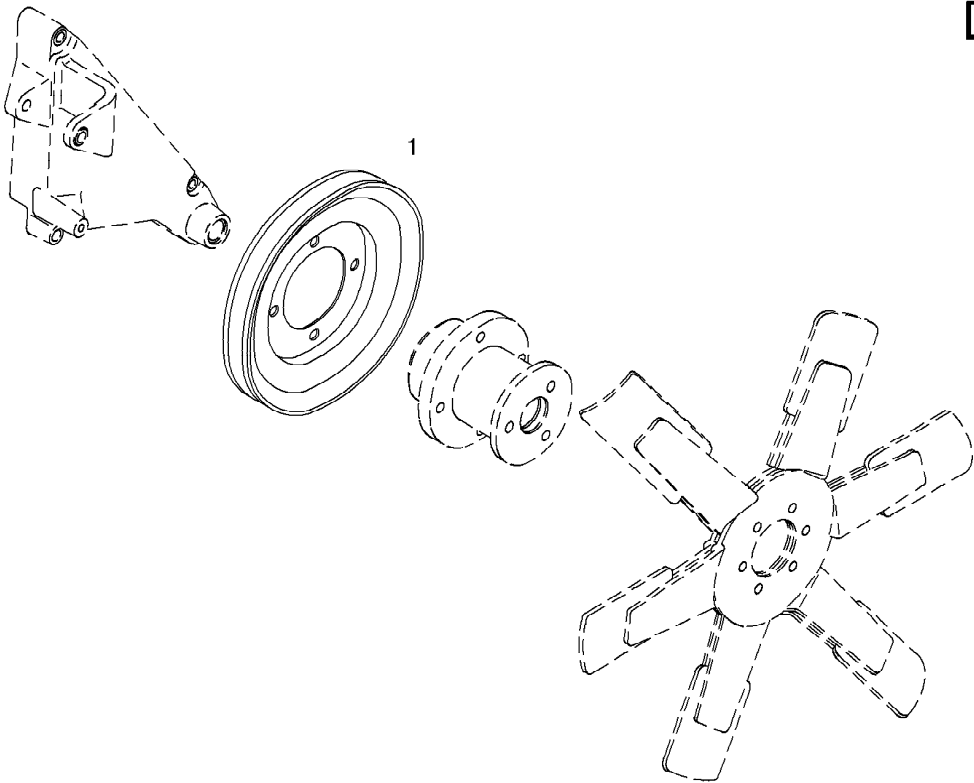
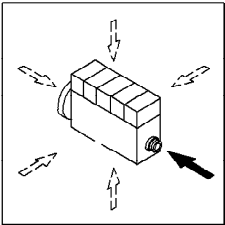
EU531138

Engine type:

Speed:

F 4M2011

2800 1/min



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| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|-------|-------|------|-----|------------------|------------------|--------|
| 1 | 04172563 | | | 1 | ST | | V-grooved pulley | V-grooved pulley | |

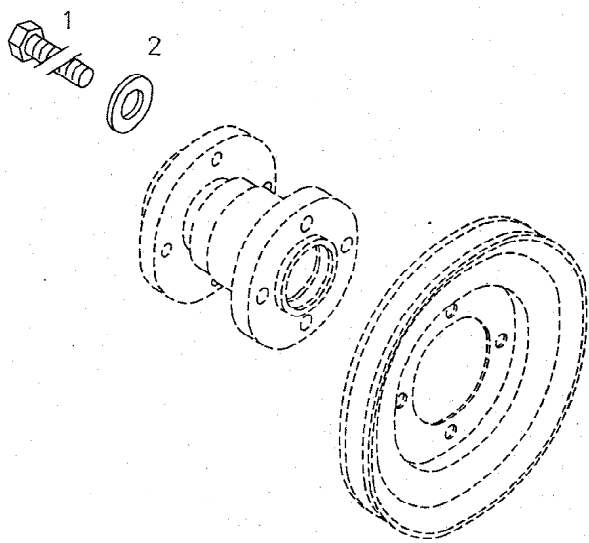
ETL no.: 0506 7771 Fastenings

Constr. Group: 39

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

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0506 7771

| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|-------|-------|------|-----|------------------|------------------|--------|
| 1 | 01112307 | | | 4 | ST | | Hexagon bolt | Hexagon bolt | |
| 2 | 02404201 | | | 4 | ST | | Plain washer | Plain washer | |

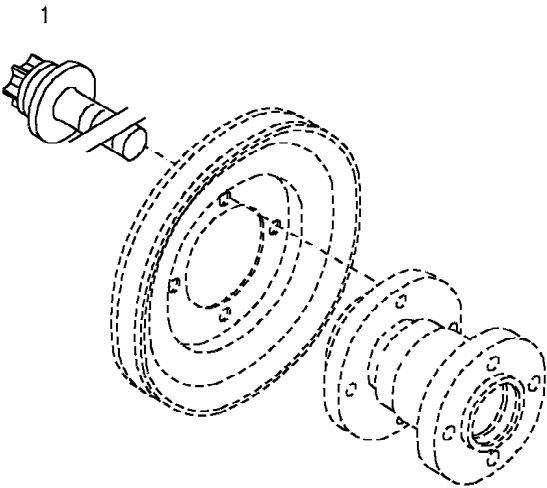
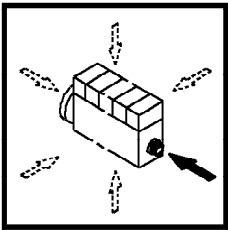
ETL no.: 0506 7772 Fastenings

Constr. Group: 39

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

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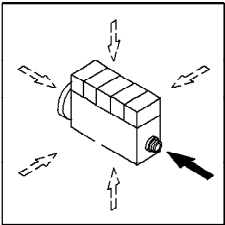
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 01181420 | | | | 4 | ST | | Torx-head bolt | Torx-head bolt | |

ETL no.: 0506 8286 Fan support

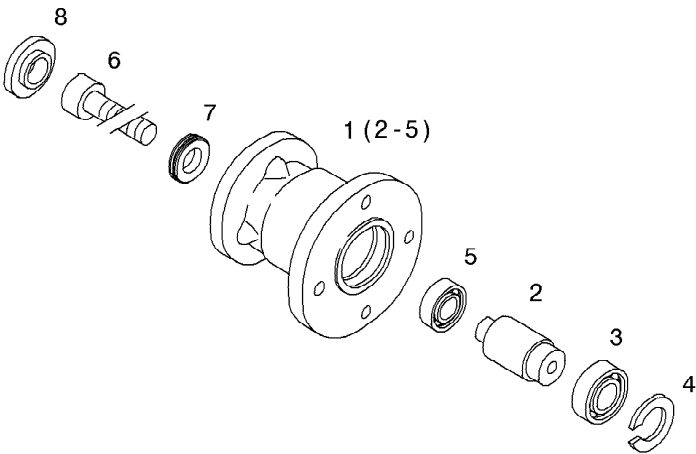
Constr. Group: 39

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|-------|-------|------|-----|------------------|------------------|------------------------|
| 1 | 04179805 | | | 1 | ST | | Fan support | Fan support | WITH ITEM.... (2-5) |
| 2 | 04270693 | | | 1 | ST | | Shaft | Shaft | |
| 3 | 01139517 | Kit ! | | 1 | ST | | Ball bearing | Ball bearing | |
| 4 | 01167248 | Kit ! | | 1 | ST | | Circlip | Circlip | |
| 5 | 01180408 | Kit ! | | 1 | ST | | Ball bearing | Ball bearing | |

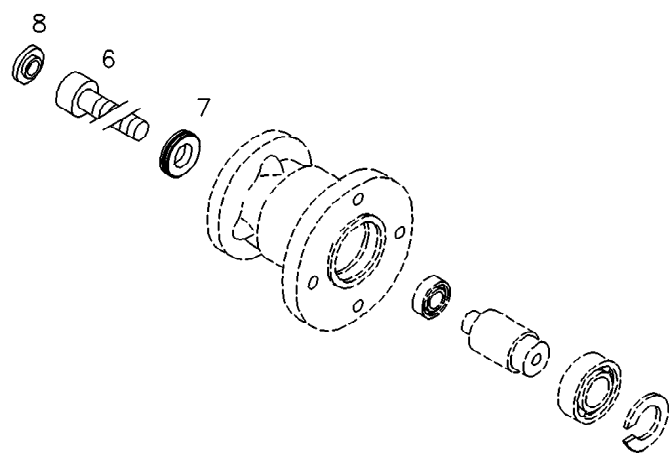
ETL no.: 0506 9101 Fastenings

Constr. Group: 39

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

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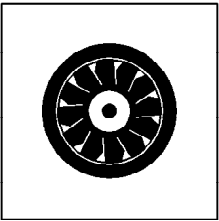


0506 9101

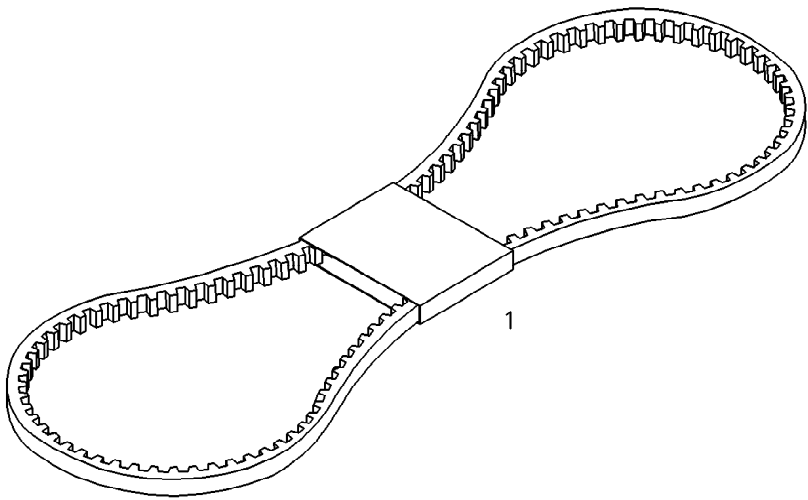
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|-------------------|-------------------|--------|
| 6 | 01151455 | | | | 1 | ST | | Cheese head screw | Cheese head screw | |
| 7 | 01174737 | | | | 1 | ST | | Plain washer | Plain washer | |
| 8 | 04179815 | | | | 1 | ST | | Plain washer | Plain washer | |

ETL no.: 0506 9139 Narrow v-belt Constr. Group: 39

| | | | |
|------------|--------------|--------------|------------|
| Equipment: | 00001009619 | Engine type: | F 4M2011 |
| Output: | 0000048,5 kW | Speed: | 2800 1/min |
| ETL scope: | EU531138 | | |



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| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|------------------|------------------|---------|
| 1 | 01175928 | Kit ! | 90 | 90 | 1 | ST | | Narrow v-belt | Narrow v-belt | 1050 mm |

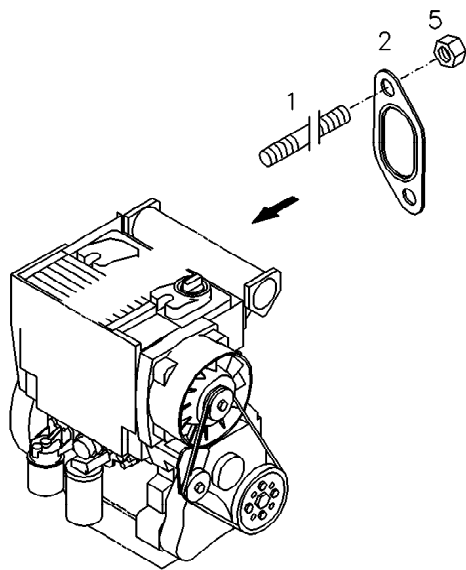
ETL no.: 0505 1794 Blanking parts

Constr. Group: 41

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

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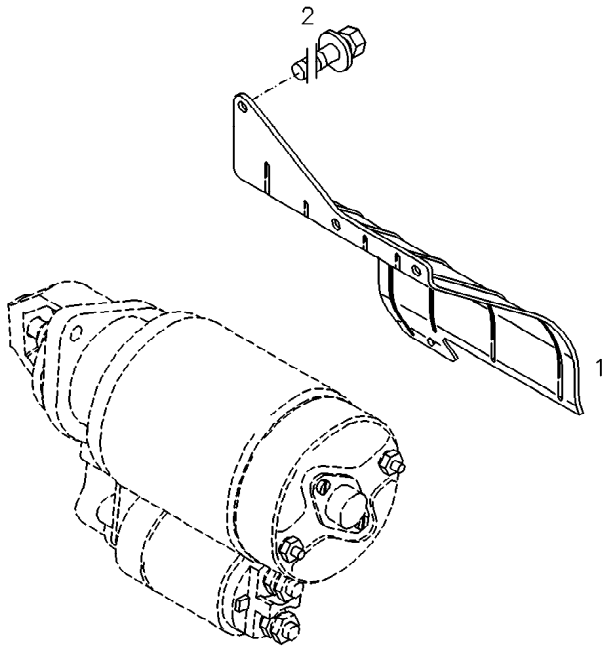
0505 1794

| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 01113465 | | | | 1 | ST | | Stud | Stud | |
| 2 | 04173862 | | | | 1 | ST | | Gasket | Gasket | |
| 5 | 01143524 | | | | 1 | ST | | Hexagon nut | Hexagon nut | |

ETL no.: 0506 9189 Cooling air baffle Constr. Group: 44

| | | | |
|------------|--------------|--------------|------------|
| Equipment: | 00001009619 | Engine type: | F 4M2011 |
| Output: | 0000048,5 kW | Speed: | 2800 1/min |
| ETL scope: | EU531138 | | |

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0506 9189

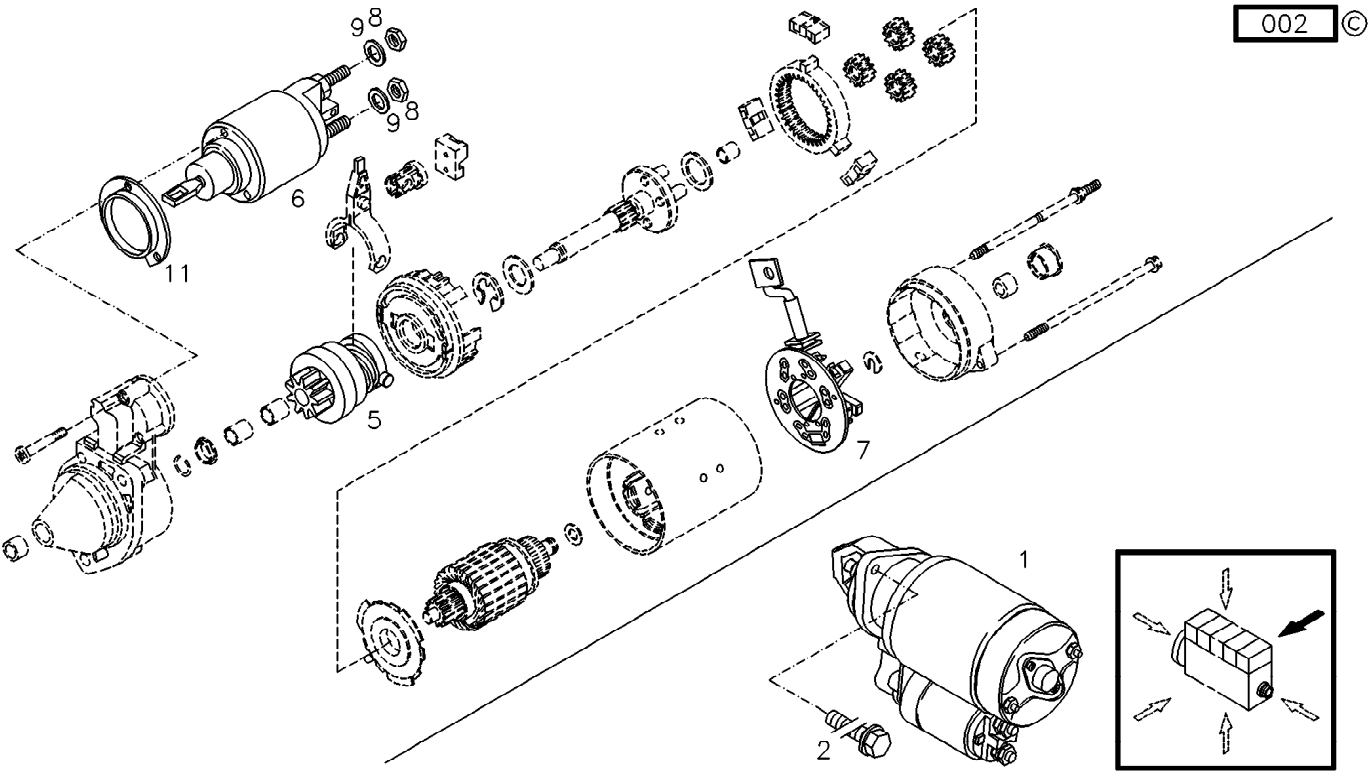
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|--------------------|--------------------|--------|
| 1 | 04271587 | | 90 | 90 | 1 | ST | | Cooling air baffle | Cooling air baffle | |
| 2 | 01181419 | | | | 3 | ST | | Hexagon bolt | Hexagon bolt | |

ETL no.: 0507 4199 Starter

Constr. Group: 44

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



0507 4199

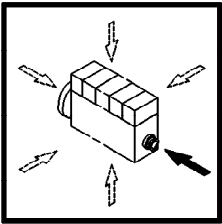
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|------------------|------------------|-------------|
| 1 | 01181751 | Kit ! | 90 | 90 | 1 | ST | | Starter | Starter | R 12V 2,3kW |
| 2 | 01181390 | | | | 2 | ST | | Hexagon bolt | Hexagon bolt | |
| 5 | 01340070 | | | | 1 | ST | | Starter pinion | Starter pinion | |
| 6 | 01319265 | | | | 1 | ST | | Relay | Relay | |
| 7 | 01340525 | | | | 1 | ST | | Brush holder | Brush holder | |
| 8 | 01318659 | | | | 2 | ST | | Hexagon nut | Hexagon nut | |
| 9 | 01102799 | | | | 2 | ST | | Lock washer | Lock washer | |
| 11 | 01319761 | | | | 1 | ST | | Covering plate | Covering plate | |

ETL no.: 0507 4364 Bracket

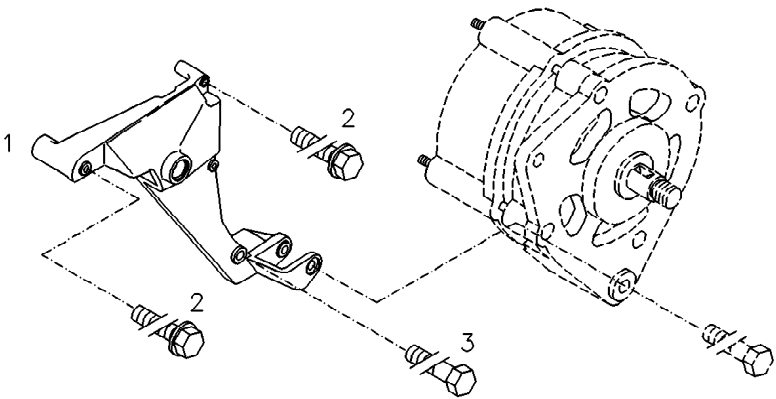
Constr. Group: 44

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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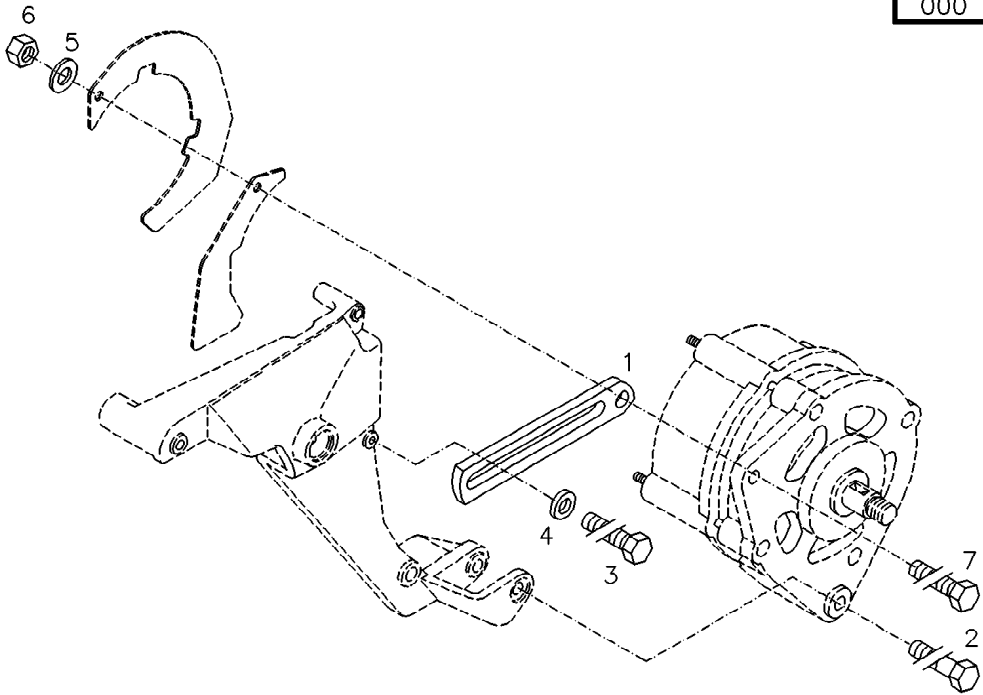
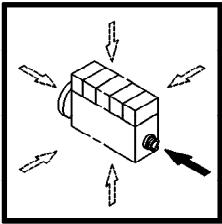
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 04272747 | | | | 1 | ST | | Bracket | Bracket | |
| 2 | 01181435 | | | | 2 | ST | | Hexagon bolt | Hexagon bolt | |
| 3 | 01126154 | | 20 | 20 | 1 | ST | | Hexagon bolt | Hexagon bolt | |

ETL no.: 0507 4365 Fastenings

Constr. Group: 44

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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0507 4365

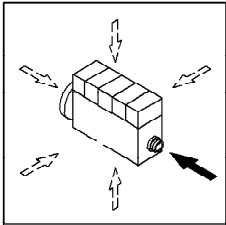
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 02241219 | | | | 1 | ST | | Clamping strap | Clamping strap | |
| 2 | 01144575 | | | | 1 | ST | | Hexagon bolt | Hexagon bolt | |
| 3 | 01148235 | | | | 1 | ST | | Hexagon bolt | Hexagon bolt | |
| 4 | 01216101 | | | | 1 | ST | | Plain washer | Plain washer | |
| 5 | 01112824 | | | | 1 | ST | | Hexagon nut | Hexagon nut | |
| 6 | 01112824 | | | | 1 | ST | | Hexagon nut | Hexagon nut | |
| 7 | 01148239 | | | | 1 | ST | | Hexagon bolt | Hexagon bolt | |

ETL no.: 0507 9132 Generator

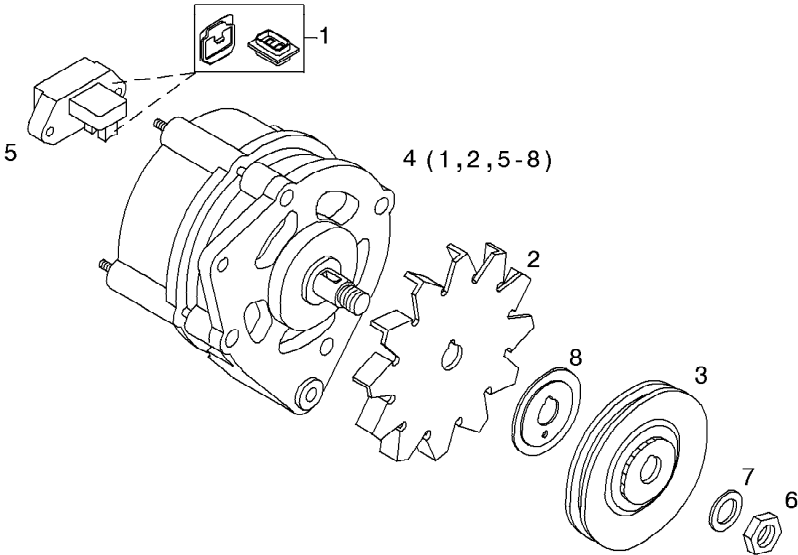
Constr. Group: 44

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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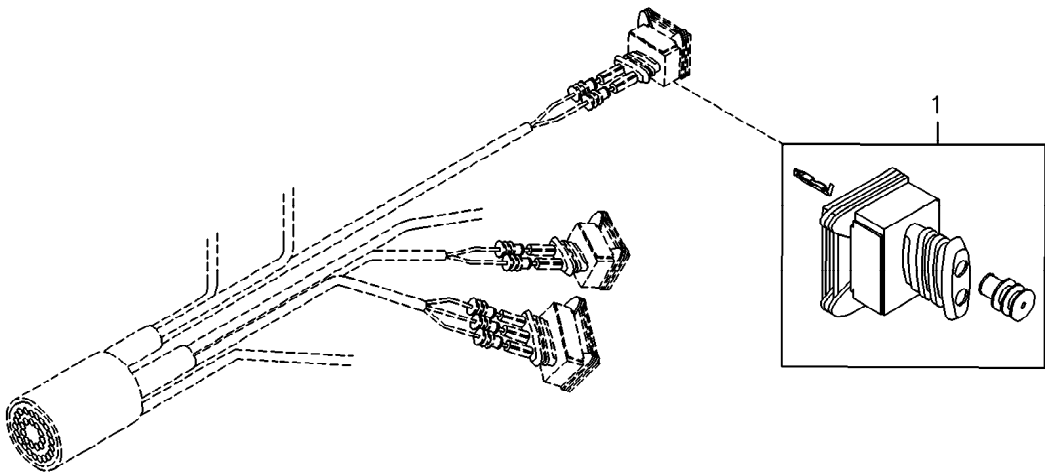


| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|--------------------|--------------------|----------------------------|
| 1 | 01340485 | | | | 1 | ST | | Gasket set | Gasket set | |
| 2 | 01181859 | | | | 1 | ST | | Fan | Fan | |
| 3 | 01182187 | | | | 1 | ST | | V-grooved pulley | V-grooved pulley | |
| 4 | 01183447 | Kit ! | 20 | 20 | 1 | ST | | Generator | Generator | WITH ITEM.... (1,2,5-8) |
| 5 | 01183471 | Kit ! | | | 1 | ST | | Voltage regulator | Voltage regulator | |
| 6 | 01131115 | | | | 1 | ST | | Hexagon nut | Hexagon nut | |
| 7 | 01182271 | | | | 1 | ST | | Wave spring washer | Wave spring washer | |
| 8 | 01182010 | | 90 | 90 | 1 | ST | | Supporting ring | Supporting ring | |

ETL no.: 0507 1486 Plug-in connector Constr. Group: 48

| | | | |
|------------|--------------|--------------|------------|
| Equipment: | 00001009619 | Engine type: | F 4M2011 |
| Output: | 0000048,5 kW | Speed: | 2800 1/min |
| ETL scope: | EU531138 | | |

001 ©



0507 1486

| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|-------|-------|------|-----|-------------------|-------------------|---|
| 1 | 04199442 | | | 1 | ST | | Plug-in connector | Plug-in connector | |
| 950 | 04199607 | | | 1 | ST | | Plug-in connector | Plug-in connector | customer-side Pos.1 Gegenstecker / Female (2 polig) |

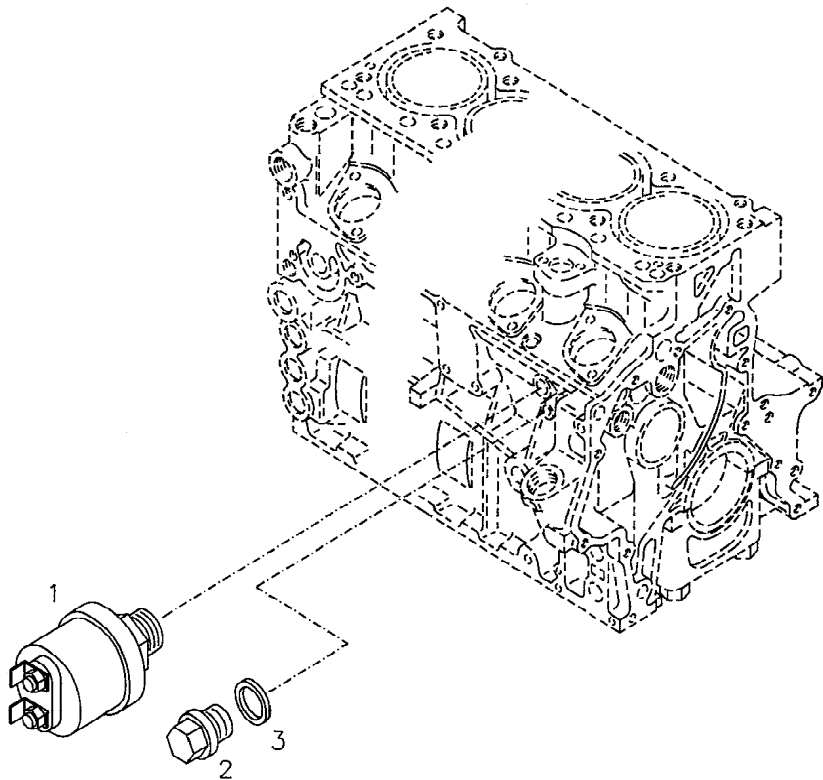
ETL no.: 0506 8119 Pressure sensor

Constr. Group: 51

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

000



0506 8119

| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 01182841 | | 90 | 90 | 1 | ST | | Pressure sensor | Pressure sensor | |
| 2 | 01124445 | | 20 | 20 | 1 | ST | | Screw plug | Screw plug | |
| 3 | 01151319 | | | | 1 | ST | | Sealing ring | Sealing ring | |

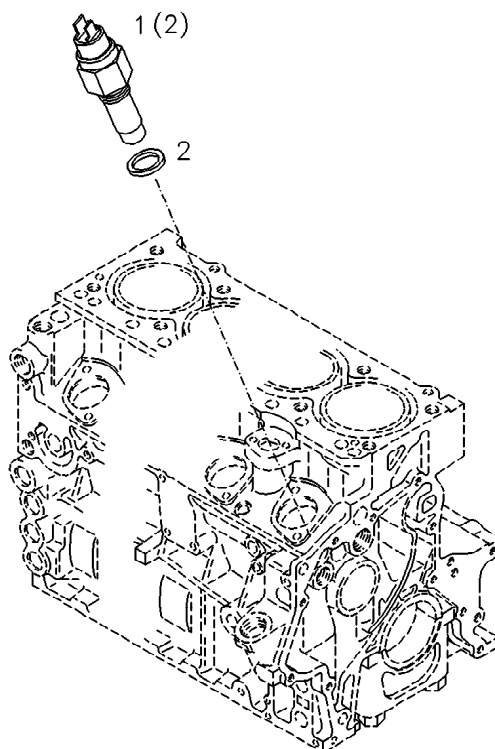
ETL no.: 0506 9029 Temper.transmitter

Constr. Group: 51

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

001



0506 9029

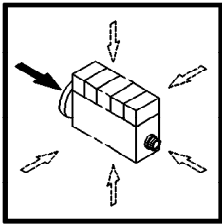
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----|----|-------|------|-----|--------------------|----------------------------------|--------|
| 1 | 01180460 | Kit ! | 20 | 20 | 1 | ST | | Temper.transmitter | Temper.transmitter WITH ITEM.... | (2) |
| 2 | 01143531 | | | | 1 | ST | | Sealing ring | Sealing ring | |

ETL no.: 0507 4269 Tacho-generator

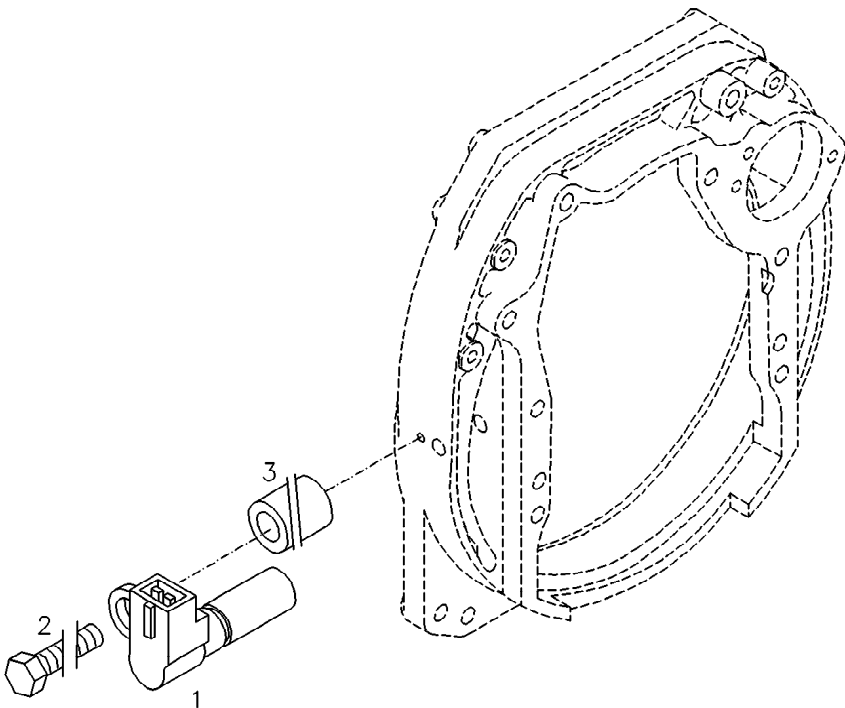
Constr. Group: 51

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



000 ©



0507 4269

| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 04364426 | | 20 | 20 | 1 | ST | | Tacho-generator | Tacho-generator | |
| 2 | 01143332 | | | | 1 | ST | | Hexagon bolt | Hexagon bolt | |
| 3 | 04280747 | | | | 1 | ST | | Spacer sleeve | Spacer sleeve | |

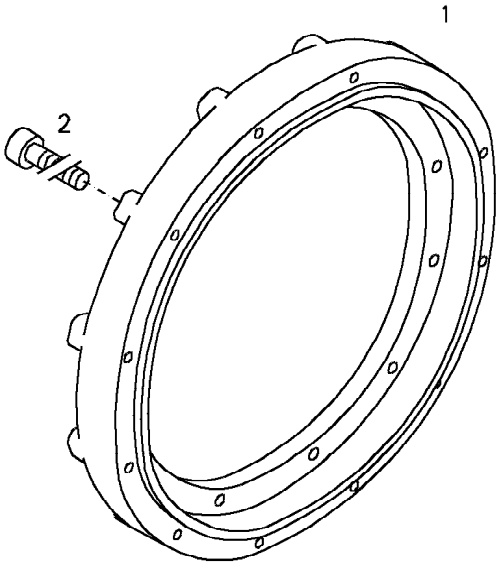
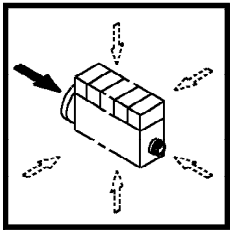
ETL no.: 0505 1310 Spacer ring

Constr. Group: 52

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

000 ©



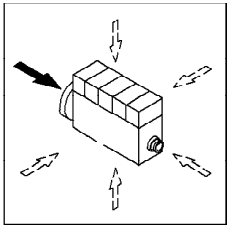
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 04171213 | | | | 1 | ST | | Joining ring | Joining ring | |
| 2 | 01124773 | | | | 11 | ST | | Hexagon screw | Hexagon screw | |

ETL no.: 0505 1756 Cover plate

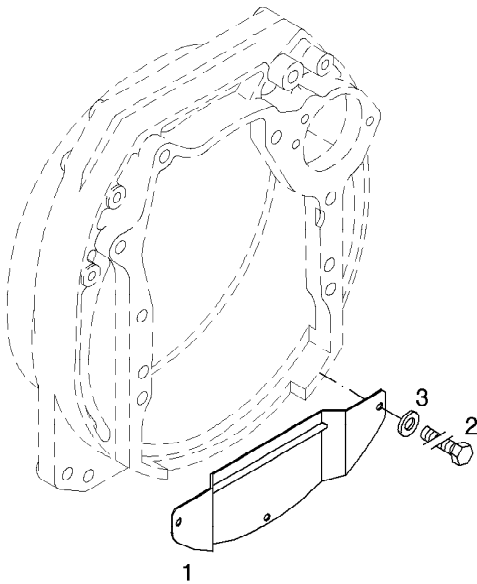
Constr. Group: 52

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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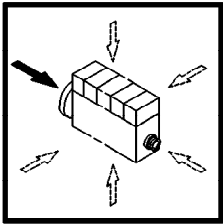
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 04172349 | | | | 1 | ST | | Cover plate | Cover plate | |
| 2 | 01112232 | | 20 | 20 | 3 | ST | | Hexagon bolt | Hexagon bolt | |
| 3 | 01151016 | | 20 | 20 | 3 | ST | | Plain washer | Plain washer | |

ETL no.: 0507 4055 Adapter housing

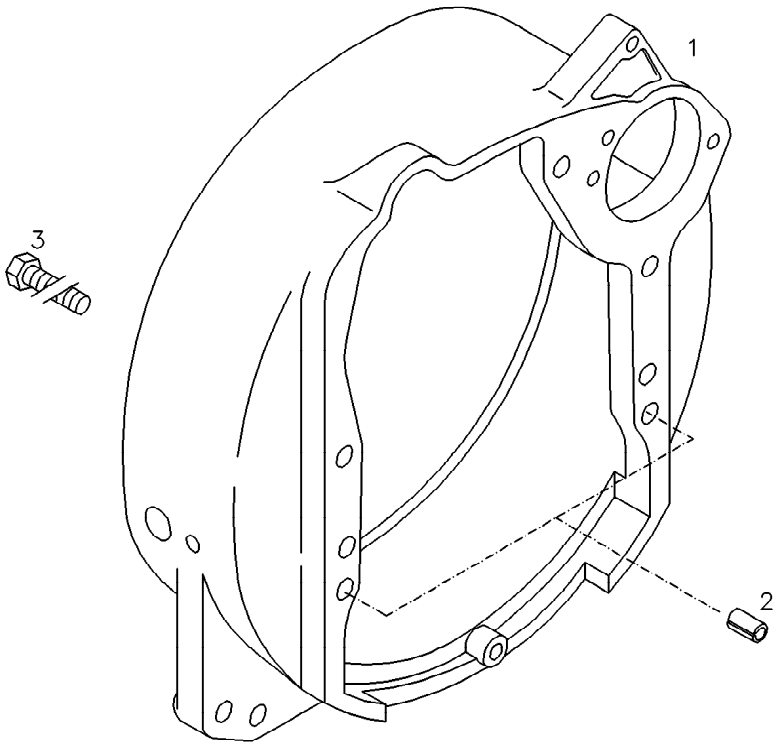
Constr. Group: 52

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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0507 4055

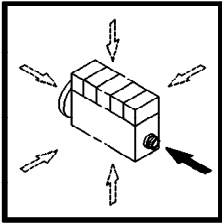
| Item | Material | Kit | MS | VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|----|----|-------|------|-----|------------------|------------------|--------|
| 1 | 04271659 | | | | 1 | ST | | Adapter housing | Adapter housing | |
| 2 | 02109066 | | | | 2 | ST | | Clamping bush | Clamping bush | |
| 3 | 01103341 | | 20 | 20 | 4 | ST | | Hexagon bolt | Hexagon bolt | |

ETL no.: 0507 7878 Actuator

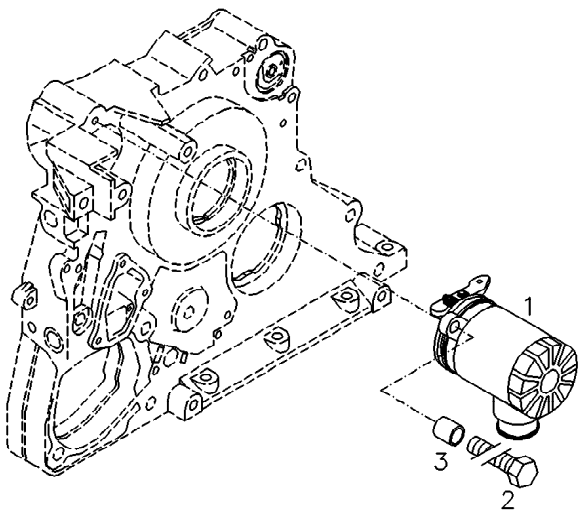
Constr. Group: 56

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



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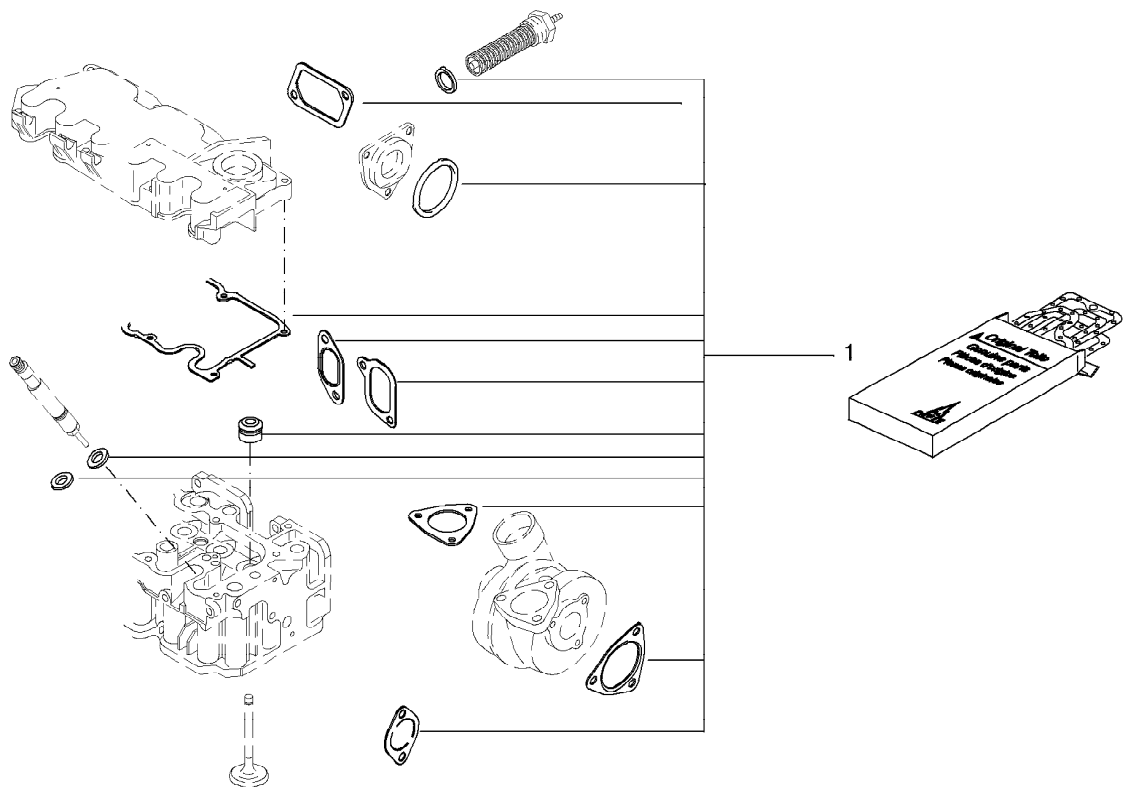
0507 7878

| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|-------|-------|------|-----|------------------|------------------|--------|
| 1 | 04281525 | Kit ! | | 1 | ST | | Actuator | Actuator | |
| 2 | 01148207 | | | 2 | ST | | Hexagon bolt | Hexagon bolt | |
| 3 | 02244768 | | | 2 | ST | | Bush | Bush | |

ETL no.: 0506 8247 Supplem.gasket set Constr. Group: 90

| | | | |
|------------|--------------|--------------|------------|
| Equipment: | 00001009619 | Engine type: | F 4M2011 |
| Output: | 0000048,5 kW | Speed: | 2800 1/min |
| ETL scope: | EU531138 | | |

001 ©



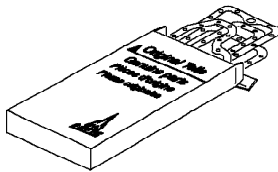
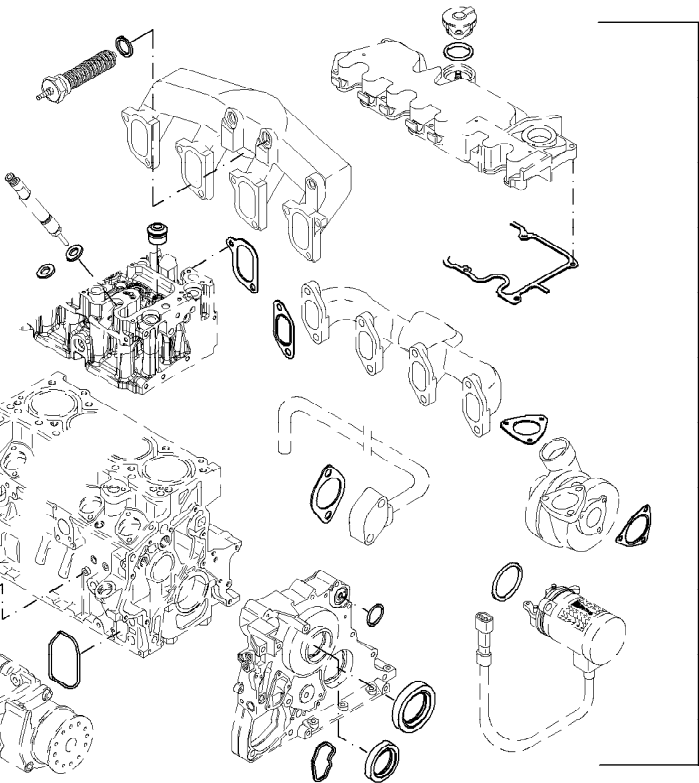
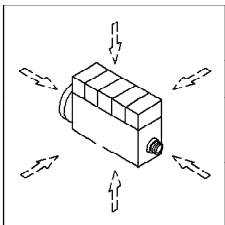
| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|-------|-------|------|-----|--------------------|--------------------|---|
| 1 | 02931740 | Kit ! | | 1 | ST | | Supplem.gasket set | Supplem.gasket set | The gasket set may not contain all gaskets, see SM 0199-99-9449 |

ETL no.: 0507 7823 Gasket set

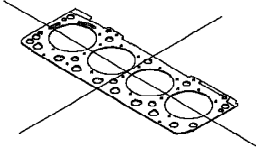
Constr. Group: 90

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min



1



| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-------|-------|-------|------|-----|------------------|------------------|---|
| 1 | 02931435 | Kit ! | | 1 | ST | | Gasket set | Gasket set | The gasket set may not contain all gaskets, see SM 0199-99-9449 |

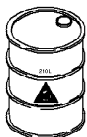

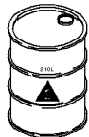


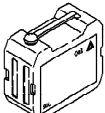
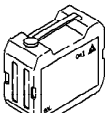
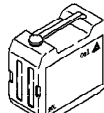


ETL no.: 0511 9030 Engine oil

Constr. Group: 90

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

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| | Deutz OIL 15W40 DQC II | Deutz Oil 10W40 DQC III | Deutz Oil 5W30 DQC IV | Deutz Oil 10W40 Rodon DQC III LA |
|------------------------|--|--|--|---|
| 209 liter |  12 0101 6333 |  22 0101 6337 |  32 0101 7850 |  42 0101 7977 |
| 20 liter |  11 0101 6332 |  21 0101 6336 |  31 0101 7849 |  41 0101 7976 |
| 20 liter (4x5liter) |  10 0101 6331 |  20 0101 6335 | | |

| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|--------|-------|------|-----|------------------|------------------|--|
| 10 | 01016331 | | AR 5 | L | | | Engine oil | Engine oil | Lubricating oil specifications apply for standard engines without particle filter! |
| 11 | 01016332 | | AR 20 | L | | | Engine oil | Engine oil | Lubricating oil specifications apply for standard engines without particle filter! |
| 12 | 01016333 | | AR 209 | L | | | Engine oil | Engine oil | Lubricating oil specifications apply for standard engines without particle filter! |
| 20 | 01016335 | | AR 5 | L | | | Engine oil | Engine oil | Lubricating oil specifications apply for standard engines without particle filter! |
| 21 | 01016336 | | AR 20 | L | | | Engine oil | Engine oil | Lubricating oil specifications apply for standard engines without particle filter! |

ETL no.: 0511 9030 Engine oil

Constr. Group: 90

Equipment: 00001009619
Output: 0000048,5 kW
ETL scope: EU531138

Engine type: F 4M2011
Speed: 2800 1/min

| Item | Material | Kit | MS VS | Quant | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|-----|--------|-------|------|-----|------------------|------------------|--|
| 22 | 01016337 | | AR 209 | L | | | Engine oil | Engine oil | Lubricating oil specifications apply for standard engines without particle filter! |
| 31 | 01017849 | | AR 20 | L | | | Engine oil | Engine oil | Lubricating oil specifications apply for standard engines without particle filter! |
| 32 | 01017850 | | AR 209 | L | | | Engine oil | Engine oil | Lubricating oil specifications apply for standard engines without particle filter! |
| 41 | 01017976 | | AR 20 | L | | | Engine oil | Engine oil | Lubricating oil specifications apply for standard engines with particle filter! |
| 42 | 01017977 | | AR 209 | L | | | Engine oil | Engine oil | Lubricating oil specifications apply for standard engines with particle filter! |

Technical Library

[http://engine.od.ua.](http://engine.od.ua)

Marine spare parts and equipment

<http://brovertek.com>



The engine company.

DEUTZ AG

Service-Technik

Instandhaltungstechnik Motoren

Deutz-Mulheimer Strabe 147-149

D - 51063 Koln

Phone: ++ 49 (0) 2 21 - 8 22 - 0

Fax: ++ 49 (0) 2 21 - 8 22 - 53 58

Internet: www.deutz.de

Materials order list

Order:
User:
Date of maintenance measure:

Customer:
Reference:
Equipment: 00001009619

Date/Time: 2024.04.15 16:01:32
EL-ID: 2011M; EL-No.: 03123552
Equipment: 00001009619
Engine type: F 4M2011
Materials for maintenance measure:
E30 -- inspection
E40 -- 1st extended inspection
E50 -- 2nd extended inspection
E60 -- intermediate overhaul
E70 -- major overhaul
EB KK 1 -- initial stock CC1
EB KK 2 -- initial stock CC2
EB KK 3 -- initial stock CC3
NT KK 1 -- standard parts CC1
NT KK 2 -- standard parts CC2

| No | Qty | Material | MS | VS | Weight | Total .. | Unit Price | Total Price | Designation | from ETL | AG | Item | Service | EL-ID | ID-No. | Quantity used |
|---------|-----|-----------|----|----|--------|----------|------------|-------------|--------------------|-----------|----|------|---------|-------|---------|---------------|
| 0001000 | 1 | 0116 5973 | | | 0,001 | 0,001 | | | O-seal | 0506 9170 | 1 | 2 | E30 | 2011M | 0010050 | 1 |
| 0002000 | 2 | 0111 8718 | | | 0,002 | 0,004 | | | Sealing ring | 0506 9057 | 2 | 4 | E30 | 2011M | 0020002 | 2 |
| 0003000 | 10 | 0101 7932 | | AR | 0,000 | 0,000 | | | Engine oil | 0506 9057 | 2 | 10 | E30 | 2011M | 0020050 | 10 |
| 0004000 | 1 | 0417 9847 | 90 | 90 | 0,041 | 0,041 | | | Gasket | 0506 9005 | 8 | 2 | E30 | 2011M | 0080004 | 1 |
| 0005000 | 1 | 0117 4416 | | | 0,328 | 0,328 | | | Spin-on oil filter | 0506 4400 | 15 | 1 | E30 | 2011M | 0150001 | 1 |
| 0006000 | 1 | 0134 0488 | | | 0,031 | 0,031 | | | Repair kit | 0507 9014 | 20 | 6 | E30 | 2011M | 0200016 | 1 |
| 0007000 | 1 | 0116 5973 | | | 0,001 | 0,001 | | | O-seal | 0506 9170 | 1 | 2 | E40 | 2011M | 0010050 | 1 |
| 0008000 | 2 | 0111 8718 | | | 0,002 | 0,004 | | | Sealing ring | 0506 9057 | 2 | 4 | E40 | 2011M | 0020002 | 2 |
| 0009000 | 10 | 0101 7932 | | AR | 0,000 | 0,000 | | | Engine oil | 0506 9057 | 2 | 10 | E40 | 2011M | 0020050 | 10 |
| 0010000 | 1 | 0417 9847 | 90 | 90 | 0,041 | 0,041 | | | Gasket | 0506 9005 | 8 | 2 | E40 | 2011M | 0080004 | 1 |
| 0011000 | 1 | 0117 4416 | | | 0,328 | 0,328 | | | Spin-on oil filter | 0506 4400 | 15 | 1 | E40 | 2011M | 0150001 | 1 |
| 0012000 | 1 | 0117 4482 | | | 0,445 | 0,445 | | | Spin-on fuel filt. | 0506 7542 | 20 | 1 | E40 | 2011M | 0200011 | 1 |
| 0013000 | 1 | 0134 0488 | | | 0,031 | 0,031 | | | Repair kit | 0507 9014 | 20 | 6 | E40 | 2011M | 0200016 | 1 |
| 0014000 | 1 | 0116 5973 | | | 0,001 | 0,001 | | | O-seal | 0506 9170 | 1 | 2 | E50 | 2011M | 0010050 | 1 |
| 0015000 | 2 | 0111 8718 | | | 0,002 | 0,004 | | | Sealing ring | 0506 9057 | 2 | 4 | E50 | 2011M | 0020002 | 2 |
| 0016000 | 10 | 0101 7932 | | AR | 0,000 | 0,000 | | | Engine oil | 0506 9057 | 2 | 10 | E50 | 2011M | 0020050 | 10 |
| 0017000 | 1 | 0417 9847 | 90 | 90 | 0,041 | 0,041 | | | Gasket | 0506 9005 | 8 | 2 | E50 | 2011M | 0080004 | 1 |
| 0018000 | 1 | 0428 6544 | | | 1,692 | 1,692 | | | Synchr.belt pulley | 0507 9185 | 10 | 1 | E50 | 2011M | 0100010 | 1 |
| 0019000 | 1 | 0293 1485 | 20 | 20 | 1,018 | 1,018 | | | Repair kit | 0507 9185 | 10 | 10 | E50 | 2011M | 0100013 | 1 |
| 0020000 | 1 | 0117 4416 | | | 0,328 | 0,328 | | | Spin-on oil filter | 0506 4400 | 15 | 1 | E50 | 2011M | 0150001 | 1 |

Materials order list

| No | Qty | Material | MS | VS | Weight | Total .. | Unit Price | Total Price | Designation | from ETL | AG | Item | Service | EL-ID | ID-No. | Quantity used |
|---------|-----|-----------|----|----|--------|----------|------------|-------------|--------------------|-----------|----|------|---------|-------|---------|---------------|
| 0021000 | 1 | 0117 4482 | | | 0,445 | 0,445 | | | Spin-on fuel filt. | 0506 7542 | 20 | 1 | E50 | 2011M | 0200011 | 1 |
| 0022000 | 1 | 0134 0488 | | | 0,031 | 0,031 | | | Repair kit | 0507 9014 | 20 | 6 | E50 | 2011M | 0200016 | 1 |
| 0023000 | 1 | 0116 5973 | | | 0,001 | 0,001 | | | O-seal | 0506 9170 | 1 | 2 | E60 | 2011M | 0010050 | 1 |
| 0024000 | 2 | 0111 8718 | | | 0,002 | 0,004 | | | Sealing ring | 0506 9057 | 2 | 4 | E60 | 2011M | 0020002 | 2 |
| 0025000 | 10 | 0101 7932 | | AR | 0,000 | 0,000 | | | Engine oil | 0506 9057 | 2 | 10 | E60 | 2011M | 0020050 | 10 |
| 0026000 | 1 | 0417 9847 | 90 | 90 | 0,041 | 0,041 | | | Gasket | 0506 9005 | 8 | 2 | E60 | 2011M | 0080004 | 1 |
| 0027000 | 1 | 0117 4416 | | | 0,328 | 0,328 | | | Spin-on oil filter | 0506 4400 | 15 | 1 | E60 | 2011M | 0150001 | 1 |
| 0028000 | 4 | 0428 6251 | | | 0,225 | 0,900 | | | Fuel injector | 0507 9013 | 19 | 1 | E60 | 2011M | 0190003 | 4 |
| 0029000 | 4 | 0428 6236 | | | 0,001 | 0,004 | | | Sealing ring | 0507 9013 | 19 | 2 | E60 | 2011M | 0190006 | 4 |
| 0030000 | 1 | 0117 4482 | | | 0,445 | 0,445 | | | Spin-on fuel filt. | 0506 7542 | 20 | 1 | E60 | 2011M | 0200011 | 1 |
| 0031000 | 1 | 0134 0488 | | | 0,031 | 0,031 | | | Repair kit | 0507 9014 | 20 | 6 | E60 | 2011M | 0200016 | 1 |
| 0032000 | 1 | 0117 5928 | 90 | 90 | 0,071 | 0,071 | | | Narrow v-belt | 0506 9139 | 39 | 1 | E60 | 2011M | 0390020 | 1 |
| 0033000 | 1 | 0118 0967 | | | 0,005 | 0,005 | | | Dipstick | 0506 9170 | 1 | 1 | E70 | 2011M | 0010049 | 1 |
| 0034000 | 1 | 0116 5973 | | | 0,001 | 0,001 | | | O-seal | 0506 9170 | 1 | 2 | E70 | 2011M | 0010050 | 1 |
| 0035000 | 2 | 0111 8718 | | | 0,002 | 0,004 | | | Sealing ring | 0506 9057 | 2 | 4 | E70 | 2011M | 0020002 | 2 |
| 0036000 | 1 | 0134 0197 | | | 0,456 | 0,456 | | | Packing compound | 0506 9057 | 2 | 244 | E70 | 2011M | 0020007 | 1 |
| 0037000 | 10 | 0101 7932 | | AR | 0,000 | 0,000 | | | Engine oil | 0506 9057 | 2 | 10 | E70 | 2011M | 0020050 | 10 |
| 0038000 | 5 | 0427 0238 | | | 0,115 | 0,575 | | | Main bearing | 0506 8138 | 5 | 2 | E70 | 2011M | 0050002 | 5 |
| 0039000 | 1 | 0292 8961 | | | 0,041 | 0,041 | | | Thrust washer | 0506 8138 | 5 | 3 | E70 | 2011M | 0050003 | 1 |
| 0040000 | 4 | 0427 0255 | | | 0,070 | 0,280 | | | Big end bearing | 0506 8138 | 5 | 4 | E70 | 2011M | 0050004 | 4 |
| 0041000 | 4 | 0427 2080 | 90 | 90 | 1,312 | 5,248 | | | Connecting rod | 0507 7881 | 6 | 1 | E70 | 2011M | 0060001 | 4 |
| 0042000 | 4 | 0428 6649 | 90 | 90 | 1,169 | 4,676 | | | Connecting rod | 0507 7881 | 6 | 5 | E70 | 2011M | 0060001 | 4 |
| 0043000 | 4 | 0428 7601 | | | 1,223 | 4,892 | | | Connecting rod | 0507 7881 | 6 | 6 | E70 | 2011M | 0060001 | 4 |
| 0044000 | 4 | 0428 1445 | | | 1,035 | 4,140 | | | Piston | 0507 9273 | 7 | 1 | E70 | 2011M | 0070001 | 4 |
| 0045000 | 1 | 0428 1390 | | | 0,030 | 0,030 | | | Filler cap | 0506 7612 | 8 | 1 | E70 | 2011M | 0080001 | 1 |
| 0046000 | 10 | 0114 8134 | | | 0,010 | 0,100 | | | Hexagon bolt | 0506 9005 | 8 | 3 | E70 | 2011M | 0080002 | 10 |
| 0047000 | 1 | 0417 9847 | 90 | 90 | 0,041 | 0,041 | | | Gasket | 0506 9005 | 8 | 2 | E70 | 2011M | 0080004 | 1 |
| 0048000 | 10 | 0427 0815 | | | 0,175 | 1,750 | | | Cylinder head bolt | 0507 4224 | 8 | 1 | E70 | 2011M | 0080005 | 10 |
| 0049000 | 1 | 0428 0816 | 50 | 50 | 0,205 | 0,205 | | | Cylind.head gasket | 0507 4224 | 8 | 3 | E70 | 2011M | 0080006 | 1 |
| 0050000 | 1 | 0428 0817 | 50 | 50 | 0,220 | 0,220 | | | Cylind.head gasket | 0507 4224 | 8 | 4 | E70 | 2011M | 0080007 | 1 |
| 0051000 | 1 | 0428 0818 | 50 | 50 | 0,230 | 0,230 | | | Cylind.head gasket | 0507 4224 | 8 | 5 | E70 | 2011M | 0080008 | 1 |
| 0052000 | 1 | 0428 0268 | 90 | 90 | 32,740 | 32,740 | | | Cylinder head | 0507 4232 | 8 | 1 | E70 | 2011M | 0080014 | 1 |
| 0053000 | 1 | 0428 6435 | 10 | 10 | 0,000 | 0,000 | | | Thrust washer | 0507 9124 | 10 | 1 | E70 | 2011M | 0100002 | 1 |
| 0054000 | 1 | 0428 6544 | | | 1,692 | 1,692 | | | Synchr.belt pulley | 0507 9185 | 10 | 1 | E70 | 2011M | 0100010 | 1 |
| 0055000 | 1 | 0293 1485 | 20 | 20 | 1,018 | 1,018 | | | Repair kit | 0507 9185 | 10 | 10 | E70 | 2011M | 0100013 | 1 |
| 0056000 | 8 | 0417 8075 | | | 0,096 | 0,768 | | | Valve tappet | 0506 7617 | 11 | 2 | E70 | 2011M | 0110002 | 8 |
| 0057000 | 8 | 0210 9637 | | | 0,003 | 0,024 | | | Hexagon nut | 0505 1930 | 11 | 4 | E70 | 2011M | 0110003 | 8 |
| 0058000 | 8 | 0210 9636 | | | 0,014 | 0,112 | | | Adjusting screw | 0505 1930 | 11 | 3 | E70 | 2011M | 0110004 | 8 |

Materials order list

| No | Qty | Material | MS | VS | Weight | Total .. | Unit Price | Total Price | Designation | from ETL | AG | Item | Service | EL-ID | ID-No. | Quantity used |
|---------|-----|-----------|----|----|--------|----------|------------|-------------|--------------------|-----------|----|------|---------|-------|---------|---------------|
| 0059000 | 8 | 0110 7727 | | | 0,001 | 0,008 | | | Circlip | 0505 1930 | 11 | 1 | E70 | 2011M | 0110005 | 8 |
| 0060000 | 1 | 0428 0165 | 90 | 90 | 2,141 | 2,141 | | | Lubricat. oil pump | 0507 4219 | 14 | 1 | E70 | 2011M | 0140001 | 1 |
| 0061000 | 1 | 0117 4416 | | | 0,328 | 0,328 | | | Spin-on oil filter | 0506 4400 | 15 | 1 | E70 | 2011M | 0150001 | 1 |
| 0062000 | 4 | 0428 6791 | 90 | 90 | 1,530 | 6,120 | | | Fuel inject. pump | 0507 9213 | 17 | 1 | E70 | 2011M | 0170001 | 4 |
| 0063000 | 4 | 0428 6793 | 90 | 90 | 0,115 | 0,460 | | | Roller tappet | 0507 9204 | 17 | 1 | E70 | 2011M | 0170006 | 4 |
| 0064000 | 4 | 0428 6251 | | | 0,225 | 0,900 | | | Fuel injector | 0507 9013 | 19 | 1 | E70 | 2011M | 0190003 | 4 |
| 0065000 | 4 | 0428 6236 | | | 0,001 | 0,004 | | | Sealing ring | 0507 9013 | 19 | 2 | E70 | 2011M | 0190006 | 4 |
| 0066000 | 1 | 0410 3661 | | | 0,446 | 0,446 | | | Fuel supply pump | 0507 9014 | 20 | 1 | E70 | 2011M | 0200002 | 1 |
| 0067000 | 1 | 0117 4482 | | | 0,445 | 0,445 | | | Spin-on fuel filt. | 0506 7542 | 20 | 1 | E70 | 2011M | 0200011 | 1 |
| 0068000 | 1 | 0134 0488 | | | 0,031 | 0,031 | | | Repair kit | 0507 9014 | 20 | 6 | E70 | 2011M | 0200016 | 1 |
| 0069000 | 2 | 0118 0014 | | | 0,003 | 0,006 | | | Hose clip | 0507 9170 | 21 | 3 | E70 | 2011M | 0210001 | 2 |
| 0070000 | 2 | 0118 0014 | | | 0,003 | 0,006 | | | Hose clip | 0507 9172 | 21 | 2 | E70 | 2011M | 0210001 | 2 |
| 0071000 | 2 | 0118 0014 | | | 0,003 | 0,006 | | | Hose clip | 0507 9171 | 21 | 2 | E70 | 2011M | 0210001 | 2 |
| 0072000 | 1 | 0117 9656 | | | 0,019 | 0,019 | | | Rubber hose | 0507 9170 | 21 | 2 | E70 | 2011M | 0210002 | 1 |
| 0073000 | 1 | 0118 2348 | | | 0,016 | 0,016 | | | Rubber hose | 0507 9172 | 21 | 1 | E70 | 2011M | 0210002 | 1 |
| 0074000 | 1 | 0118 1695 | | | 0,029 | 0,029 | | | Rubber hose | 0507 9171 | 21 | 1 | E70 | 2011M | 0210003 | 1 |
| 0075000 | 4 | 0428 1876 | 90 | 90 | 0,085 | 0,340 | | | High pressure pipe | 0507 9015 | 21 | 1 | E70 | 2011M | 0210041 | 4 |
| 0076000 | 1 | 0117 5928 | 90 | 90 | 0,071 | 0,071 | | | Narrow v-belt | 0506 9139 | 39 | 1 | E70 | 2011M | 0390020 | 1 |
| 0077000 | 1 | 0118 0408 | | | 0,084 | 0,084 | | | Ball bearing | 0506 8286 | 39 | 5 | E70 | 2011M | 0390032 | 1 |
| 0078000 | 1 | 0113 9517 | | | 0,120 | 0,120 | | | Ball bearing | 0506 8286 | 39 | 3 | E70 | 2011M | 0390034 | 1 |
| 0079000 | 1 | 0116 7248 | | | 0,009 | 0,009 | | | Circlip | 0506 8286 | 39 | 4 | E70 | 2011M | 0390035 | 1 |
| 0080000 | 1 | 0118 3471 | | | 0,071 | 0,071 | | | Voltage regulator | 0507 9132 | 44 | 5 | E70 | 2011M | 0440001 | 1 |
| 0081000 | 1 | 0118 3447 | 20 | 20 | 4,860 | 4,860 | | | Generator | 0507 9132 | 44 | 4 | E70 | 2011M | 0440002 | 1 |
| 0082000 | 1 | 0118 1751 | 90 | 90 | 4,980 | 4,980 | | | Starter | 0507 4199 | 44 | 1 | E70 | 2011M | 0440041 | 1 |
| 0083000 | 1 | 0293 1740 | | | 0,522 | 0,522 | | | Supplem.gasket set | 0506 8247 | 90 | 1 | E70 | 2011M | 0900001 | 1 |
| 0084000 | 1 | 0293 1435 | | | 0,704 | 0,704 | | | Gasket set | 0507 7823 | 90 | 1 | E70 | 2011M | 0900001 | 1 |
| 0085000 | 1 | 0118 0967 | | | 0,005 | 0,005 | | | Dipstick | 0506 9170 | 1 | 1 | EB KK 1 | 2011M | 0010049 | 1 |
| 0086000 | 1 | 0116 5973 | | | 0,001 | 0,001 | | | O-seal | 0506 9170 | 1 | 2 | EB KK 1 | 2011M | 0010050 | 1 |
| 0087000 | 10 | 0101 7932 | | AR | 0,000 | 0,000 | | | Engine oil | 0506 9057 | 2 | 10 | EB KK 1 | 2011M | 0020050 | 10 |
| 0088000 | 1 | 0428 1390 | | | 0,030 | 0,030 | | | Filler cap | 0506 7612 | 8 | 1 | EB KK 1 | 2011M | 0080001 | 1 |
| 0089000 | 1 | 0417 9847 | 90 | 90 | 0,041 | 0,041 | | | Gasket | 0506 9005 | 8 | 2 | EB KK 1 | 2011M | 0080004 | 1 |
| 0090000 | 1 | 0117 4416 | | | 0,328 | 0,328 | | | Spin-on oil filter | 0506 4400 | 15 | 1 | EB KK 1 | 2011M | 0150001 | 1 |
| 0091000 | 1 | 0410 3661 | | | 0,446 | 0,446 | | | Fuel supply pump | 0507 9014 | 20 | 1 | EB KK 1 | 2011M | 0200002 | 1 |
| 0092000 | 2 | 0118 1421 | | | 0,013 | 0,026 | | | Torx-head bolt | 0507 9014 | 20 | 3 | EB KK 1 | 2011M | 0200003 | 2 |
| 0093000 | 1 | 0117 4482 | | | 0,445 | 0,445 | | | Spin-on fuel filt. | 0506 7542 | 20 | 1 | EB KK 1 | 2011M | 0200011 | 1 |
| 0094000 | 4 | 0428 1876 | 90 | 90 | 0,085 | 0,340 | | | High pressure pipe | 0507 9015 | 21 | 1 | EB KK 1 | 2011M | 0210041 | 4 |
| 0095000 | 1 | 0117 5928 | 90 | 90 | 0,071 | 0,071 | | | Narrow v-belt | 0506 9139 | 39 | 1 | EB KK 1 | 2011M | 0390020 | 1 |
| 0096000 | 1 | 0428 1525 | | | 0,660 | 0,660 | | | Actuator | 0507 7878 | 56 | 1 | EB KK 1 | 2011M | 0560006 | 1 |

Materials order list

| No | Qty | Material | MS | VS | Weight | Total .. | Unit Price | Total Price | Designation | from ETL | AG | Item | Service | EL-ID | ID-No. | Quantity used |
|---------|-----|-----------|----|----|--------|----------|------------|-------------|--------------------|-----------|----|------|---------|-------|---------|---------------|
| 0097000 | 10 | 0101 7932 | | AR | 0,000 | 0,000 | | | Engine oil | 0506 9057 | 2 | 10 | EB KK 2 | 2011M | 0020050 | 10 |
| 0098000 | 10 | 0427 0815 | | | 0,175 | 1,750 | | | Cylinder head bolt | 0507 4224 | 8 | 1 | EB KK 2 | 2011M | 0080005 | 10 |
| 0099000 | 1 | 0428 0816 | 50 | 50 | 0,205 | 0,205 | | | Cylind.head gasket | 0507 4224 | 8 | 3 | EB KK 2 | 2011M | 0080006 | 1 |
| 0100000 | 1 | 0428 0817 | 50 | 50 | 0,220 | 0,220 | | | Cylind.head gasket | 0507 4224 | 8 | 4 | EB KK 2 | 2011M | 0080007 | 1 |
| 0101000 | 1 | 0428 0818 | 50 | 50 | 0,230 | 0,230 | | | Cylind.head gasket | 0507 4224 | 8 | 5 | EB KK 2 | 2011M | 0080008 | 1 |
| 0102000 | 2 | 0417 8611 | | | 0,006 | 0,012 | | | Spiral pin | 0507 4224 | 8 | 2 | EB KK 2 | 2011M | 0080009 | 2 |
| 0103000 | 1 | 0428 0268 | 90 | 90 | 32,740 | 32,740 | | | Cylinder head | 0507 4232 | 8 | 1 | EB KK 2 | 2011M | 0080014 | 1 |
| 0104000 | 1 | 0293 1485 | 20 | 20 | 1,018 | 1,018 | | | Repair kit | 0507 9185 | 10 | 10 | EB KK 2 | 2011M | 0100013 | 1 |
| 0105000 | 8 | 0210 9637 | | | 0,003 | 0,024 | | | Hexagon nut | 0505 1930 | 11 | 4 | EB KK 2 | 2011M | 0110003 | 8 |
| 0106000 | 8 | 0210 9636 | | | 0,014 | 0,112 | | | Adjusting screw | 0505 1930 | 11 | 3 | EB KK 2 | 2011M | 0110004 | 8 |
| 0107000 | 8 | 0118 1417 | | 50 | 0,020 | 0,160 | | | Torx-head bolt | 0505 1930 | 11 | 6 | EB KK 2 | 2011M | 0110007 | 8 |
| 0108000 | 1 | 0428 0165 | 90 | 90 | 2,141 | 2,141 | | | Lubricat. oil pump | 0507 4219 | 14 | 1 | EB KK 2 | 2011M | 0140001 | 1 |
| 0109000 | 2 | 0417 8612 | | | 0,001 | 0,002 | | | Spiral pin | 0507 4219 | 14 | 5 | EB KK 2 | 2011M | 0140005 | 2 |
| 0110000 | 1 | 0417 8989 | | | 0,003 | 0,003 | | | Sealing ring | 0507 4219 | 14 | 6 | EB KK 2 | 2011M | 0140006 | 1 |
| 0111000 | 4 | 0428 6791 | 90 | 90 | 1,530 | 6,120 | | | Fuel inject. pump | 0507 9213 | 17 | 1 | EB KK 2 | 2011M | 0170001 | 4 |
| 0112000 | 4 | 0428 6122 | | | 0,001 | 0,004 | | | Plug | 0507 9204 | 17 | 5 | EB KK 2 | 2011M | 0170002 | 4 |
| 0113000 | 4 | 0417 8522 | | | 0,001 | 0,004 | | | Compensat gasket | 0507 9204 | 17 | 4 | EB KK 2 | 2011M | 0170005 | 4 |
| 0114000 | 4 | 0428 1147 | | | 0,025 | 0,100 | | | Claw | 0507 9013 | 19 | 3 | EB KK 2 | 2011M | 0190002 | 4 |
| 0115000 | 4 | 0428 6251 | | | 0,225 | 0,900 | | | Fuel injector | 0507 9013 | 19 | 1 | EB KK 2 | 2011M | 0190003 | 4 |
| 0116000 | 4 | 0428 1859 | | | 0,029 | 0,116 | | | Nozzle element | 0507 9013 | 19 | 6 | EB KK 2 | 2011M | 0190004 | 4 |
| 0117000 | 4 | 0428 6236 | | | 0,001 | 0,004 | | | Sealing ring | 0507 9013 | 19 | 2 | EB KK 2 | 2011M | 0190006 | 4 |
| 0118000 | 16 | 0410 2120 | | | 0,004 | 0,064 | | | Gasket | 0507 4094 | 22 | 1 | EB KK 2 | 2011M | 0220003 | 16 |
| 0119000 | 1 | 0117 9307 | | | 0,001 | 0,001 | | | O-seal | 0505 1624 | 22 | 1 | EB KK 2 | 2011M | 0220012 | 1 |
| 0120000 | 1 | 0110 7803 | | | 0,001 | 0,001 | | | Circlip | 0507 7916 | 27 | 12 | EB KK 2 | 2011M | 0270061 | 1 |
| 0121000 | 1 | 0116 9763 | | | 0,234 | 0,234 | | | O-seal | 0507 7916 | 27 | 10 | EB KK 2 | 2011M | 0270065 | 1 |
| 0122000 | 1 | 0118 2003 | | | 0,001 | 0,001 | | | O-seal | 0507 7916 | 27 | 13 | EB KK 2 | 2011M | 0270066 | 1 |
| 0123000 | 1 | 0118 3471 | | | 0,071 | 0,071 | | | Voltage regulator | 0507 9132 | 44 | 5 | EB KK 2 | 2011M | 0440001 | 1 |
| 0124000 | 1 | 0118 3447 | 20 | 20 | 4,860 | 4,860 | | | Generator | 0507 9132 | 44 | 4 | EB KK 2 | 2011M | 0440002 | 1 |
| 0125000 | 1 | 0118 1751 | 90 | 90 | 4,980 | 4,980 | | | Starter | 0507 4199 | 44 | 1 | EB KK 2 | 2011M | 0440041 | 1 |
| 0126000 | 1 | 0118 0460 | 20 | 20 | 0,060 | 0,060 | | | Temper.transmitter | 0506 9029 | 51 | 1 | EB KK 2 | 2011M | 0510001 | 1 |
| 0127000 | 1 | 0417 5433 | | | 0,075 | 0,075 | | | Rot.shaft lip seal | 0507 9188 | 1 | 3 | EB KK 3 | 2011M | 0010003 | 1 |
| 0128000 | 10 | 0101 7932 | | AR | 0,000 | 0,000 | | | Engine oil | 0506 9057 | 2 | 10 | EB KK 3 | 2011M | 0020050 | 10 |
| 0129000 | 5 | 0427 0238 | | | 0,115 | 0,575 | | | Main bearing | 0506 8138 | 5 | 2 | EB KK 3 | 2011M | 0050002 | 5 |
| 0130000 | 1 | 0292 8961 | | | 0,041 | 0,041 | | | Thrust washer | 0506 8138 | 5 | 3 | EB KK 3 | 2011M | 0050003 | 1 |
| 0131000 | 4 | 0427 0255 | | | 0,070 | 0,280 | | | Big end bearing | 0506 8138 | 5 | 4 | EB KK 3 | 2011M | 0050004 | 4 |
| 0132000 | 4 | 0427 2080 | 90 | 90 | 1,312 | 5,248 | | | Connecting rod | 0507 7881 | 6 | 1 | EB KK 3 | 2011M | 0060001 | 4 |
| 0133000 | 4 | 0428 6649 | 90 | 90 | 1,169 | 4,676 | | | Connecting rod | 0507 7881 | 6 | 5 | EB KK 3 | 2011M | 0060001 | 4 |
| 0134000 | 4 | 0428 7601 | | | 1,223 | 4,892 | | | Connecting rod | 0507 7881 | 6 | 6 | EB KK 3 | 2011M | 0060001 | 4 |

Materials order list

| No | Qty | Material | MS | VS | Weight | Total .. | Unit Price | Total Price | Designation | from ETL | AG | Item | Service | EL-ID | ID-No. | Quantity used |
|---------|-----|-----------|----|----|--------|----------|------------|-------------|--------------------|-----------|----|------|---------|-------|---------|---------------|
| 0135000 | 4 | 0428 1445 | | | 1,035 | 4,140 | | | Piston | 0507 9273 | 7 | 1 | EB KK 3 | 2011M | 0070001 | 4 |
| 0136000 | 4 | 0428 0565 | | | 0,058 | 0,232 | | | Set of pist. rings | 0507 9273 | 7 | 4 | EB KK 3 | 2011M | 0070004 | 4 |
| 0137000 | 4 | 0428 1447 | | | 1,040 | 4,160 | | | Piston | 0507 9273 | 7 | 8 | EB KK 3 | 2011M | 0070008 | 4 |
| 0138000 | 1 | 0428 6379 | | | 5,450 | 5,450 | | | Camshaft | 0507 9124 | 10 | 3 | EB KK 3 | 2011M | 0100003 | 1 |
| 0139000 | 8 | 0110 7727 | | | 0,001 | 0,008 | | | Circlip | 0505 1930 | 11 | 1 | EB KK 3 | 2011M | 0110005 | 8 |
| 0140000 | 8 | 0210 9628 | | | 0,104 | 0,832 | | | Rocker arm | 0505 1930 | 11 | 2 | EB KK 3 | 2011M | 0110006 | 8 |
| 0141000 | 1 | 0417 4542 | | | 0,012 | 0,012 | | | Tension spring | 0507 9215 | 27 | 5 | EB KK 3 | 2011M | 0270003 | 1 |
| 0142000 | 3 | 0118 0080 | | | 0,001 | 0,003 | | | O-seal | 0507 9215 | 27 | 11 | EB KK 3 | 2011M | 0270009 | 3 |
| 0143000 | 1 | 0417 8839 | | | 0,001 | 0,001 | | | Profile washer | 0507 9215 | 27 | 17 | EB KK 3 | 2011M | 0270011 | 1 |
| 0144000 | 1 | 0428 1898 | | | 0,008 | 0,008 | | | Torsion spring | 0507 9215 | 27 | 36 | EB KK 3 | 2011M | 0270025 | 1 |
| 0145000 | 1 | 0417 8572 | | | 0,006 | 0,006 | | | Breather valve | 0507 9215 | 27 | 49 | EB KK 3 | 2011M | 0270033 | 1 |
| 0146000 | 1 | 0417 5435 | | | 0,020 | 0,020 | | | Rot.shaft lip seal | 0507 9215 | 27 | 50 | EB KK 3 | 2011M | 0270034 | 1 |
| 0147000 | 1 | 0417 5434 | | | 0,033 | 0,033 | | | Rot.shaft lip seal | 0507 9215 | 27 | 51 | EB KK 3 | 2011M | 0270035 | 1 |
| 0148000 | 32 | 0117 9437 | | | 0,020 | 0,640 | | | Torx-head bolt | 0507 4094 | 22 | 2 | NT KK 1 | 2011M | 0220004 | 32 |
| 0149000 | 1 | 0117 9427 | 20 | 20 | 0,014 | 0,014 | | | Torx-head bolt | 0505 1624 | 22 | 3 | NT KK 1 | 2011M | 0220013 | 1 |